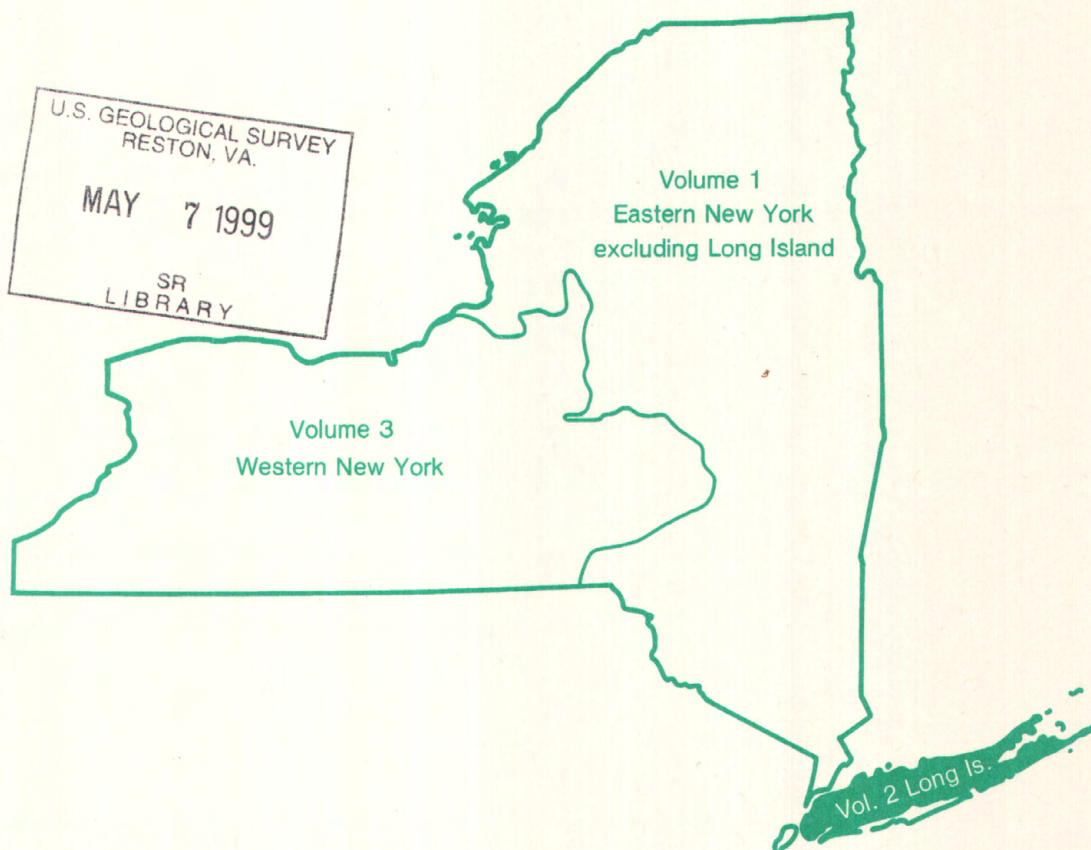


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Water Resources Data New York Water Year 1995

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-95-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1995

1994

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1995

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APRIL							MAY							JUNE						
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9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
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Water Resources Data New York Water Year 1995

Volume 2. Long Island

by A.G. Spinello, R. Busciolano, R.B. Winowitch, and V.K. Eagen



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-95-2
Prepared in cooperation with the State of New York
and with other agencies

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1996

PREFACE

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

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

The data contained in these three volumes were collected, computed, and processed from three subdistrict offices and one area field office. The offices, and personnel in charge, are:

- Volume 1. Albany, Ward O. Freeman, Associate District Chief
Potsdam, Howard G. Lent, Jr., Technician-in-charge
- Volume 2. Coram, Bronius Nemickas, Subdistrict Chief
- Volume 3. Ithaca, Edward Bugliosi, Subdistrict Chief

The authors had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines. The following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Jo-Ann Pitt typed the text of the report.

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

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</small>				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE July 1995		3. REPORT TYPE AND DATES COVERED Annual--October 1, 1994 to September 30, 1995
4. TITLE AND SUBTITLE Water Resources Data - New York, Water Year 1995 Volume 2, Long Island			5. FUNDING NUMBERS	
6. AUTHOR(S) A.G. Spinello, R. Busciolano, R.B. Winowitch, and V.K. Eagen				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Geological Survey Water Resources Division 2045 Route 112, Bldg. 4 Coram, New York 11727			8. PERFORMING ORGANIZATION REPORT NUMBER USGS/WDR-NY-95-2	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Geological Survey Water Resources Division 425 Jordan Road Troy, New York 12180			10. SPONSORING / MONITORING AGENCY REPORT NUMBER USGS/WDR-NY-95-2	
11. SUPPLEMENTARY NOTES Prepared in cooperation with the State of New York and other agencies.				
12a. DISTRIBUTION / AVAILABILITY STATEMENT This report may be purchased from National Technical Information Service Springfield, VA 22161			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) Water resources data for the 1995 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 20 gaging stations; water quality at 19 gaging stations, and 20 wells; and water levels at 725 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 and 3 represent that part of the National Water Data system operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York				
14. SUBJECT TERMS *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			15. NUMBER OF PAGES 247	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED			16. PRICE CODE	
18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED		19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED		20. LIMITATION OF ABSTRACT SAR

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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

NOTE—Data for partial-record stations and miscellaneous sites for surface-water discharge are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[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>	Station number	Page
Alley Creek near Oakland Gardens (d).....	01302050	47
Glen Cove Creek at Glen Cove (dct).....	01302500	48
Mill Neck Creek at Mill Neck (dct).....	01303000	50
Cold Spring Brook at Cold Spring Harbor (dct).....	01303500	52
Nissequoque River near Smithtown (dct).....	01304000	54
Peconic River at Riverhead (dct).....	01304500	57
Carmans River at Yaphank (dct).....	01305000	60
Swan River at East Patchogue (dct).....	01305500	63
Patchogue River at Patchogue (ct).....	01306000	65
Connetquot Brook at Central Islip (d).....	01306440	66
Connetquot Brook near Central Islip (d).....	01306460	67
Connetquot River near Oakdale (dct).....	01306500	68
Champlin Creek at Islip (ct).....	01307000	72
Penataquit Creek at Bay Shore (ct).....	01307500	73
Sampawams Creek at Babylon (dct).....	01308000	74
Carlls River at Babylon (dct).....	01308500	77
Santapogue Creek at Lindenhurst (ct).....	01309000	80
Massapequa Creek at Massapequa (dct).....	01309500	81
Seaford Creek at Massapequa (d).....	01309680	83
Bellmore Creek at Bellmore (dct).....	01310000	84
East Meadow Brook at Freeport (dct).....	01310500	86
Pines Brook at Malverne (dct).....	01311000	88
Valley Stream at Valley Stream (d).....	01311500	90
Conselyeas Pond Tributary at Rosedale (d).....	01311810	91
* * * * *		
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DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations on Long Island have been discontinued. Daily streamflow records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Station name	Station number	Drainage area (sq mi)	Period of record
Patchogue River at Patchogue (d)	01306000*	13.5	1948-69, 1974-76
Champlin Creek at Islip (d)	01307000*	6.5	1945-69
Penataquit Creek at Bay Shore (d)	01307500*	5	1945-76
Santapogue Creek at Lindenhurst (d)	01309000*	7	1947-69

WATER RESOURCES DATA - NEW YORK, 1995
Volume 2.—Long Island

INTRODUCTION

Water resources data for the 1995 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 20 gaging stations; water quality at 19 gaging stations, 20 wells; and water levels at 725 observation wells. Also included are data for 79 low-flow partial record stations. Locations of these sites are shown on pages 38-46. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65, and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Branch of Information Services, Box 25046, MS 504, Denver, Colorado 80225.

Since the 1961 water year, streamflow data and since the 1964 water year, water-quality data have been released by the Geological Survey in annual reports on a State-boundary basis. These reports provided rapid release of water data in each state shortly after the end of the water year. Through 1970 the data were also released in the water-supply paper series mentioned above.

Streamflow and water-quality data beginning with the 1971 water year, and ground-water data beginning with the 1975 water year are published only in reports on a State-boundary basis. Beginning with the 1975 water year, these Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-95-2." 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. Beginning with the 1990 water year through the 1994 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM).

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) 285-5600. A limited number of CD-ROM discs for water years 1990-94 will be available for sale by the Books and Open-File Services Section, U.S. Geological Survey, Federal Center, Box 25286, MS 517, Denver, Colorado 80225.

COOPERATION

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

New York State Department of Environmental Conservation, Michael D. Zagata, Commissioner.
County of Nassau, Department of Public Works, John M. Waltz, Commissioner.
County of Suffolk, Department of Health Services, Dr. Mary Hibberd, Commissioner.
Suffolk County Water Authority, Michael A. LoGrande, Chairman.

The following organizations aided in collecting records:

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

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow and ground-water levels on Long Island were slightly below average at the beginning of the 1995 water year and declined throughout the water year (figs. 3-5), setting some record lows near the end of the water year.

The maximum stream discharges for the 1995 water year occurred mainly in January, July, and September. The storm of January 20 caused most of the maximum discharges in southern Nassau County, and the July 17-18 storm caused maximum discharges in northern Nassau and Suffolk Counties. The September 17 thunderstorm caused maximum discharges in southern Suffolk County. Runoff was lower than in the previous water year at all stations and was below average for the water year. Maximum monthly mean discharges for the 1995 water year at most stations occurred in January, and minimum monthly mean discharges occurred mostly in August. Most of the south-shore streams had record minimum monthly discharges in the summer. Precipitation for the 1995 water year at Brookhaven National Laboratory was 35.59 in. and was 12.52 in. below normal.

Water levels in most wells screened in the upper glacial aquifer were near to slightly below average at the beginning of the water year. Water levels in most wells began a slight rise that lasted until March, then began a moderate to severe decline until the end of the water year. Record low water levels were reached at many wells.

Water levels in most wells screened in the Magothy and Lloyd aquifers were also near to slightly below average at the beginning of the water year and showed a trend of moderate to severe declines during most of the water year, as in the upper glacial aquifer. Water levels at some wells showed greater variability than wells screened in the upper glacial aquifer as a result of changes in local pumpage.

Record-high water levels were measured in only one well screened in the Lloyd aquifer in southern Queens County. Record-low water levels were measured in 40 wells screened in the upper glacial and Magothy aquifers, primarily in central and eastern Nassau and western and central Suffolk Counties; a few record-low levels also were measured in eastern Suffolk County.

Concentrations of inorganic constituents in surface-water and ground-water samples collected during the 1995 water year did not differ significantly from those of the previous year. Specific conductance of surface-water samples ranged from 96 to 378 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 degrees Celsius); the median was 176 $\mu\text{S}/\text{cm}$. Unusually high specific conductance values in stream-water samples collected during the winter are attributed to salt from road deicing. The pH of water samples from streams ranged from 5.7 to 9.6; the median was 6.6. Annual median stream pH was highest in north-shore streams of Nassau County and generally decreased southward and eastward into Suffolk County. Specific conductance of water samples from the Magothy aquifer ranged from 23 to 116 $\mu\text{S}/\text{cm}$, with a median of 43 $\mu\text{S}/\text{cm}$. The pH of water samples from the upper glacial aquifer ranged from 5.4 to 7.9, with a median of 5.8; pH of samples from the Magothy aquifer ranged from 5.6 to 6.5, with a median of 6.0.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 142 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes of trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesignated in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation—the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA), (3) to characterize processes unique to large-river systems such as storage and remobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment Program (NAWQA) of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large- diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Radiochemical Programs 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.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium

data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1995 water year that began October 1, 1994, and ended September 30, 1995. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface water, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figures 6A, B, C, 7A, B, C, and 8A, B, C. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for well.

Downstream Order System

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 tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a "List of Stations" in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station identification number is assigned according to downstream order. 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". The part number designates the major river basin. (In a few instances where no gaps were left in the 8-digit numbering sequence, one or two digits were added (making a 9- or 10-digit station number) and (or) a latitude-longitude number was used for identification.)

Latitude-Longitude System

The identification numbers for wells are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first 6 digits denotes 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. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, the true latitude and longitude will be listed in the LOCATION paragraph of the station description. See figure 1.

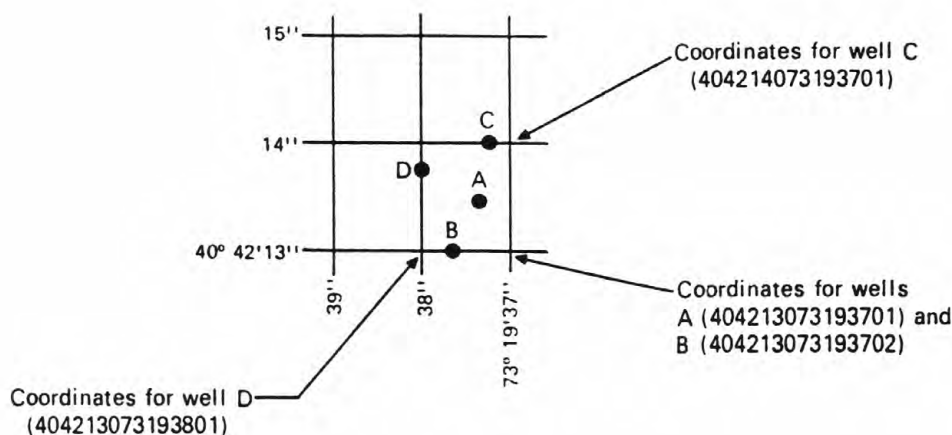


Figure 1. System for numbering wells (latitude and longitude).

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.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Locations of all gaging stations and observation wells in this report are shown in figures 6A, B, C, and 7A, B, C.

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are

described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. 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. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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 of 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. Information explaining how estimated daily-

discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.—Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for some stations, were determined and used by the U.S. Army Corps of Engineers or other agencies.

DRAINAGE AREA.—Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.—This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.—Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted 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 most recently revised figure was first published is given.

GAGE.—The type of gage in current use, the datum of the current gage referred to sea level (see Definition of Terms), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, “Identifying Estimated Daily Discharge.”) If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented at the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

REVISIONS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possible, future station manuscript published to document the revision in a “Revised Records” entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by a revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the “Remarks” and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges and the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed “TOTAL” gives the sum of the daily figures for each month, the line headed “MEAN” gives the average flow in cubic feet per second for the month; and the lines headed “MAX” and “MIN” give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second for square mile (line headed “CFSM”); or in inches (line headed “IN.”); or in acre-feet (line headed “AC-FT”). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") or monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS ____ - ____, BY WATER YEAR (wy)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____ - ____, " will consist of all the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistics, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.—The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes. At least 5 complete years of record must be available before this statistic is published for the designated period.

HIGHEST ANNUAL MEAN.—The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.—The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.—The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.—The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.—The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.—The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.—The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.—The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF (AC-FT).—Indicates the depth, in acre-feet, to which the drainage area would be covered if all the runoff for the year were uniformly distributed on it.

ANNUAL RUNOFF (CFSM).—Indicates 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 for the year.

ANNUAL RUNOFF (INCHES).—Indicates the depth to which the drainage area would be covered if all the runoff for the year were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that is exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that is exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that is exceeded 90 percent of the time for the designated period.

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 annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. 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.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

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

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

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s, to tenths between 1.0 and 10 ft³/s, to whole numbers between 10 and 1,000 ft³/s, and to 3 significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other Records 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.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

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.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, unless otherwise footnoted under "REMARKS." 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.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

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. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

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.

Historical and current (1995) dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

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.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

At other 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 and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Laboratory Measurements

Samples for indicator bacteria and daily samples for specific conductance are analyzed locally. Sediment samples are analyzed in the Geological Survey laboratory in Arvada, Colo. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapters C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. 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. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.—See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.—This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.—Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

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

The surface-water-quality records for partial record stations and miscellaneous sampling sites are published in a separate table following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)

Dissolved Trace-Element Concentrations

Note.—Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Present data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human analysis.

Records of Ground-Water Levels

Although over 950 wells are measured at annual or more frequent intervals, only ground-water level data from a basic network of 725 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.

Data Collection and Computation

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 sea level. 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 each well description. Water levels in wells equipped with recording gages are reported as mean daily values, and the extremes are instantaneous values selected from the digital record. Water levels in wells not equipped with recording gages are read periodically or measured periodically with a weighted tape by U.S. Geological Survey personnel and (or) an observer.

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.

Data Presentation

Most well records consist of three parts, the station description, the data table of water levels observed during the current water year, and a graph of the water levels for the current water year or other selected period. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings of the well description.

LOCATION.—This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds), a landline location designation, the hydrologic unit number, the distance and direction from a geographic point of reference, and the owner's name.

AQUIFER.—This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, diameter, casing depth and (or) screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) sea level, it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-survey) observers.

PERIOD OF RECORD.—This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest water levels of the period of record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet above (or below) sea level and all taped measurements of water level are listed. For wells equipped with recorders, only abbreviated tables are published, generally, only water-level means are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

A hydrograph of water levels follows the data table for some wells. The current year and the previous 9 years of record are plotted in feet above (or below) sea level. If the period of record is less than 10 years, the water levels for the entire record are plotted.

A hydrograph of water levels follows the data table for some wells. The current year and the previous 9 years of record are plotted in feet above (or below) sea level. If the period of record is less than 10 years, the water levels for the entire record are plotted.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the change.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as part of a special study. As a result, the records for this year, by themselves, do not provide a balanced view of Long Island ground-water quality.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- * Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
- * Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak Flow File - Contains approximately 600,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time filed measurements such as water temperature.

In 1978, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on the back of the title page.) A limited

number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25286, MS 517, Denver, Colorado 80225.

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 units to the 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 325,000 gallons or 1,233 cubic meters.

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

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

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

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

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C \pm 1.0°C on M-endo median (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C \pm 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C \pm 1.0°C on KF Streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material: See Bottom material.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms. such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cubic foot per second (FT^3/S , ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The data shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Dissolved is that material in a representative water sample which passes through a 0.45-micrometer 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 (primarily calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L , $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L , mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L , and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

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

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually millimeters (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), or 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.
Silt004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Periphyton is the assemblage of algae, fungi, and bacteria which are attached to or live upon submerged objects in lakes or rivers.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Euglenoids (Euglenophyta) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

Fire algae (Pyrrhophyta) are free-swimming unicells characterized by a red spot.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating “moss” in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [$\text{mg C}/(\text{m}^2 \cdot \text{time})$ for periphyton and macrophytes and $\text{mgC}/(\text{m}^3 \cdot \text{time})$ for phytoplankton] are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$ for periphyton and macrophytes and $\text{mgO}_2/(\text{m}^3 \cdot \text{time})$ 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.

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929) — a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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 of 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 microsiemens 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 microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as a boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspension sediment sample that is retained on a 0.45-micrometer 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.

Determination 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-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 96 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:

KingdomAnimal
 Phylum..... Arthropoda
 Class Insect
 Order..... Ephemeroptera
 Family..... Ephemeridae
Genus..... Hexageria
Species..... Hexagenia limbata

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analyses):

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

When virtually all of a constituent is present in the dissolved phase, the reported value for the dissolved constituent may appear slightly greater than that for the total determination. The difference is within the standard laboratory error for the analytical methods used.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total organic carbon (TOC) is a measure of all organic matter present in aqueous solution and suspension.

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

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

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to the state annual basic-data reports published beginning in 1975.

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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting 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) pertains to 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 Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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- 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.
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- 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 measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
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- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
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- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
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- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
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- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
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- 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.
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- 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-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 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.

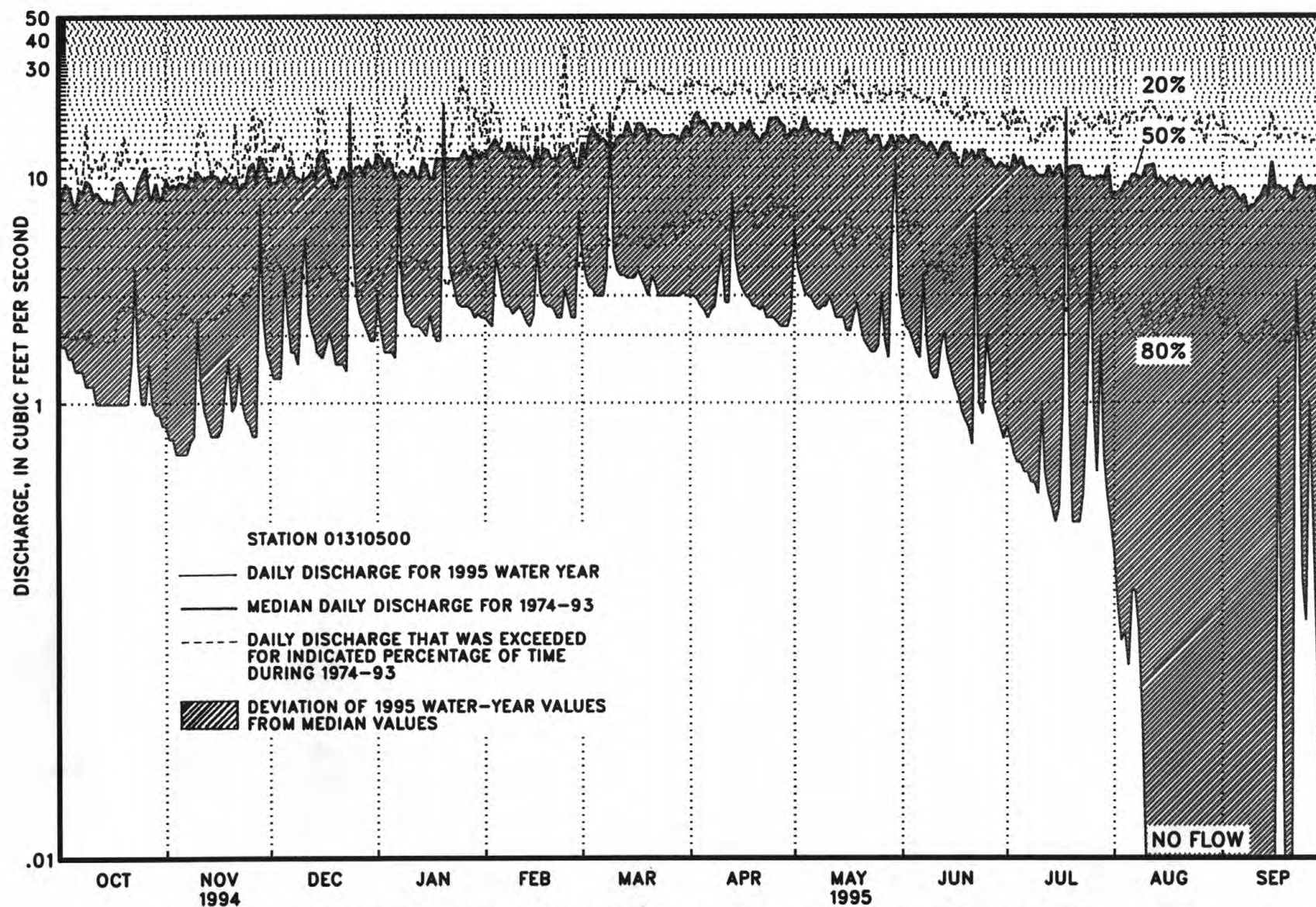


Figure 2.—Discharge data, East Meadow Brook at Freeport, Water year 1995

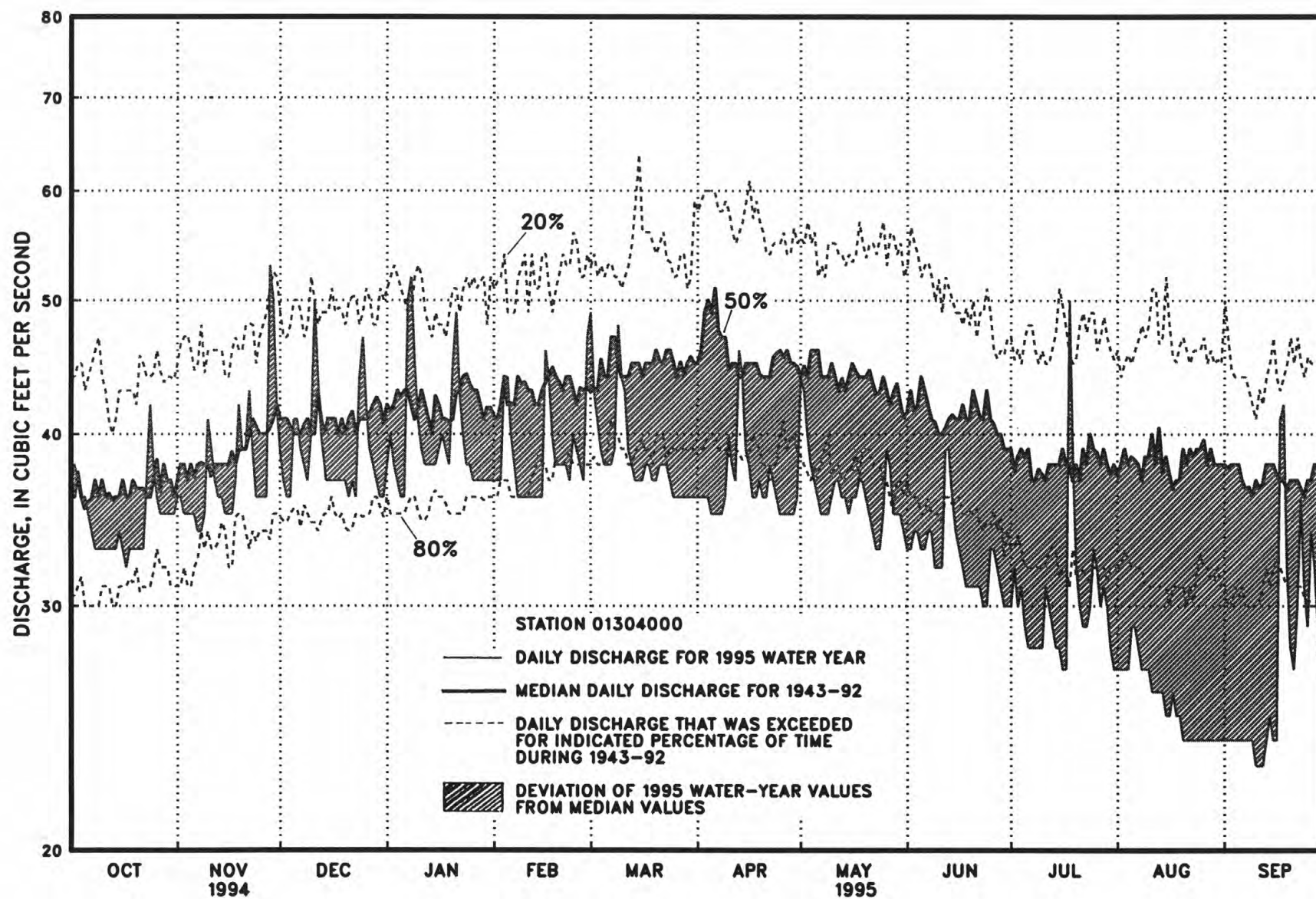


Figure 3.—Discharge data, Nissequogue River near Smithtown, Water year 1995.

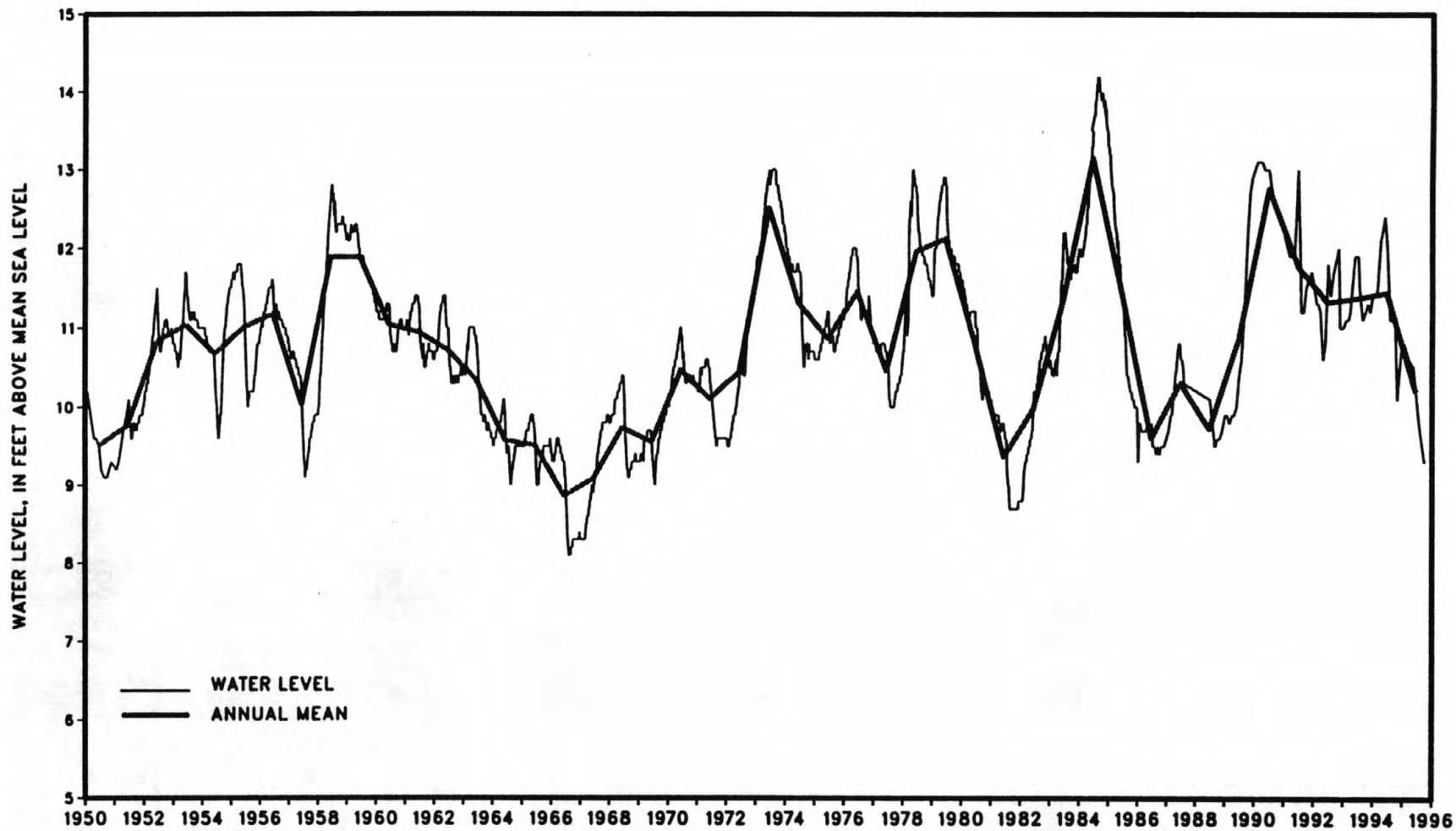


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead, N.Y.

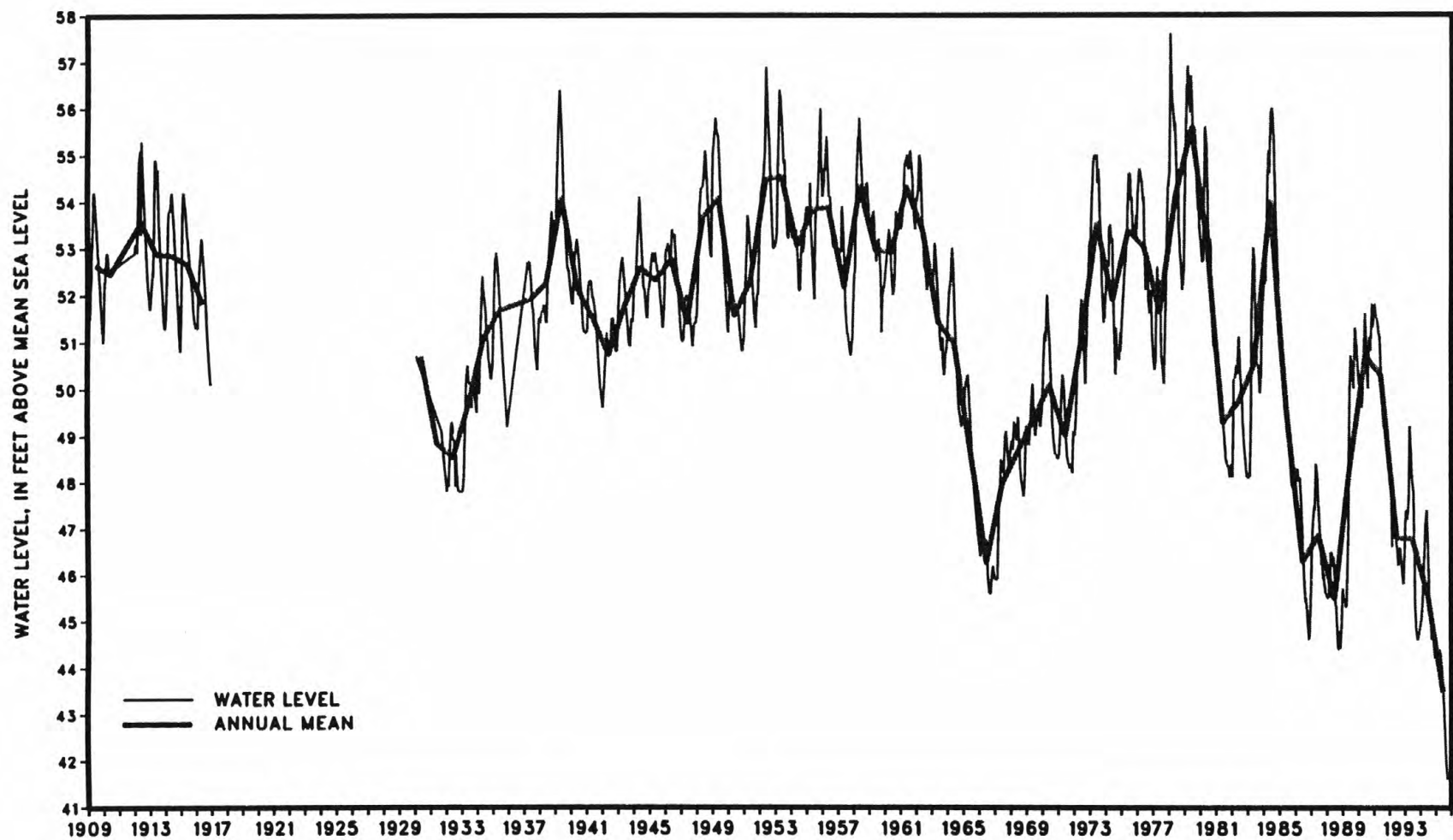


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge, N.Y.

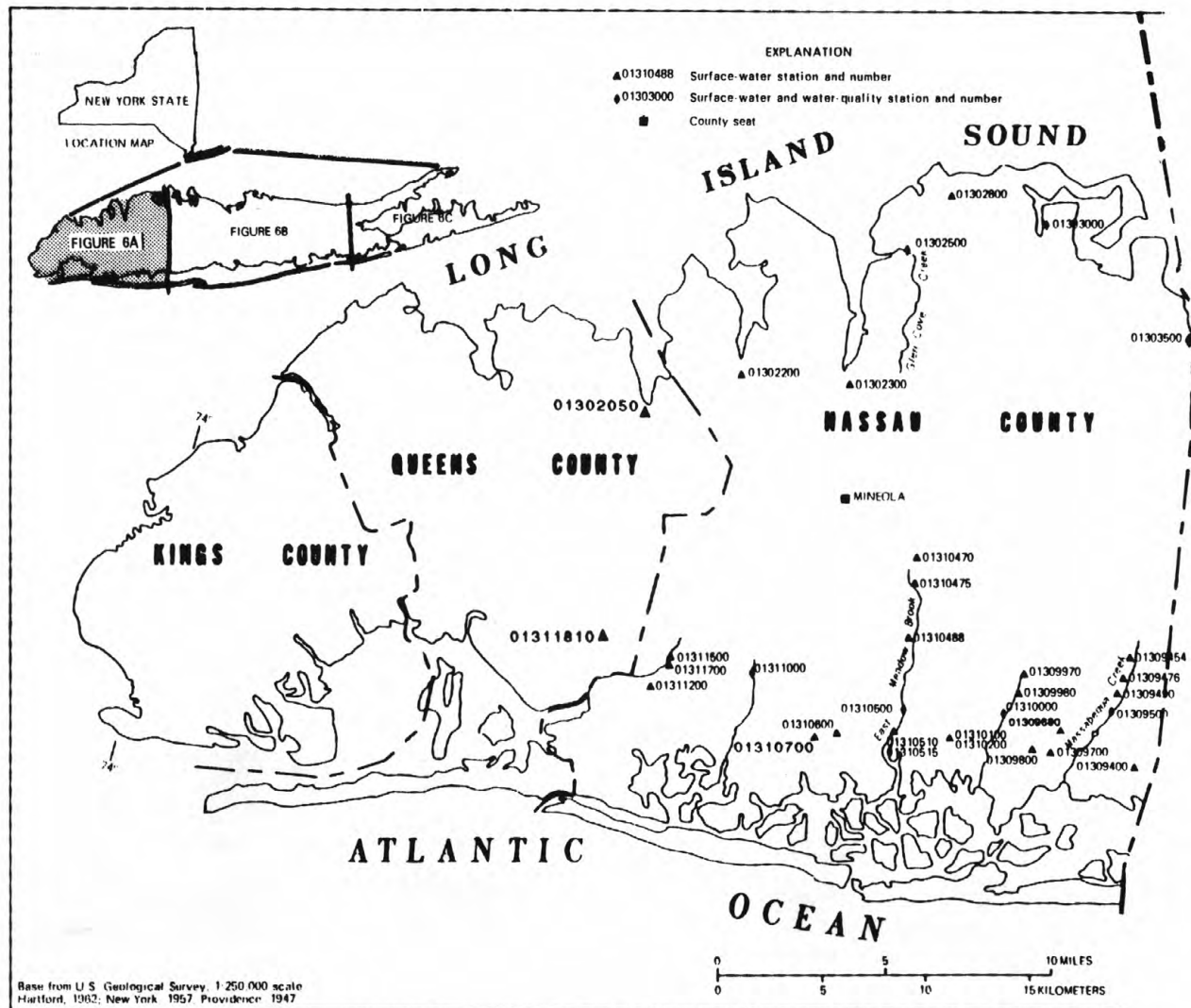


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

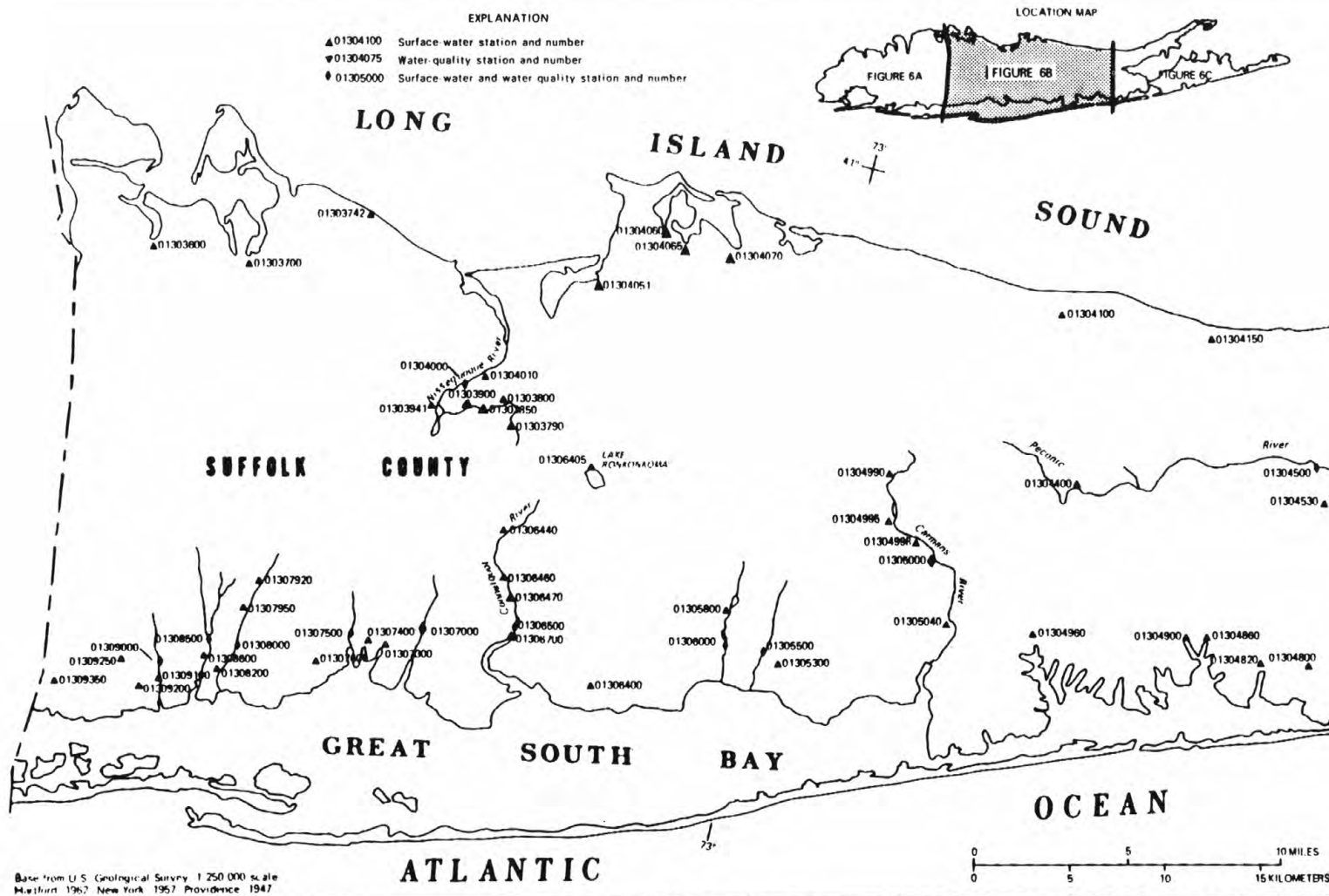


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

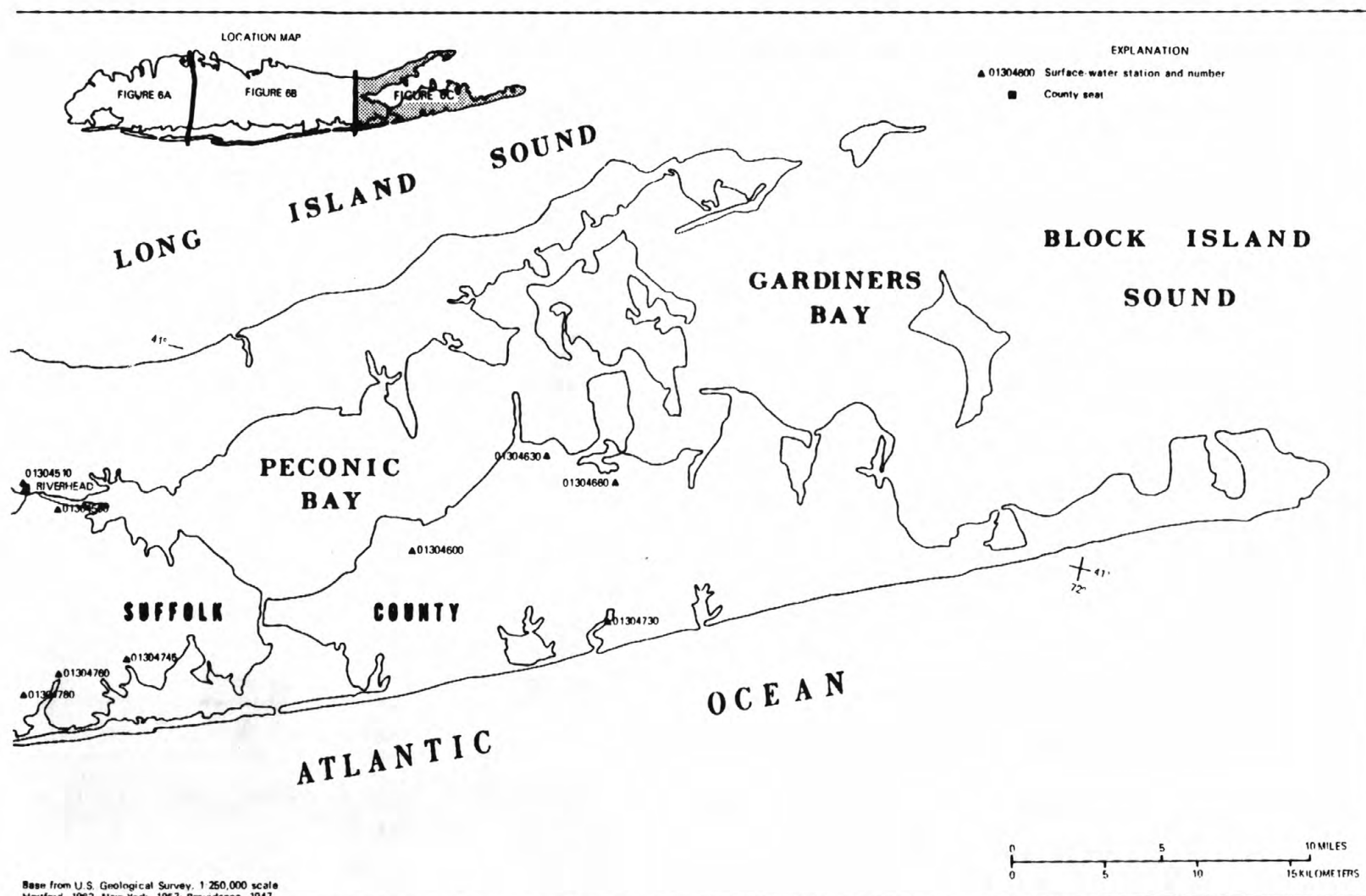


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

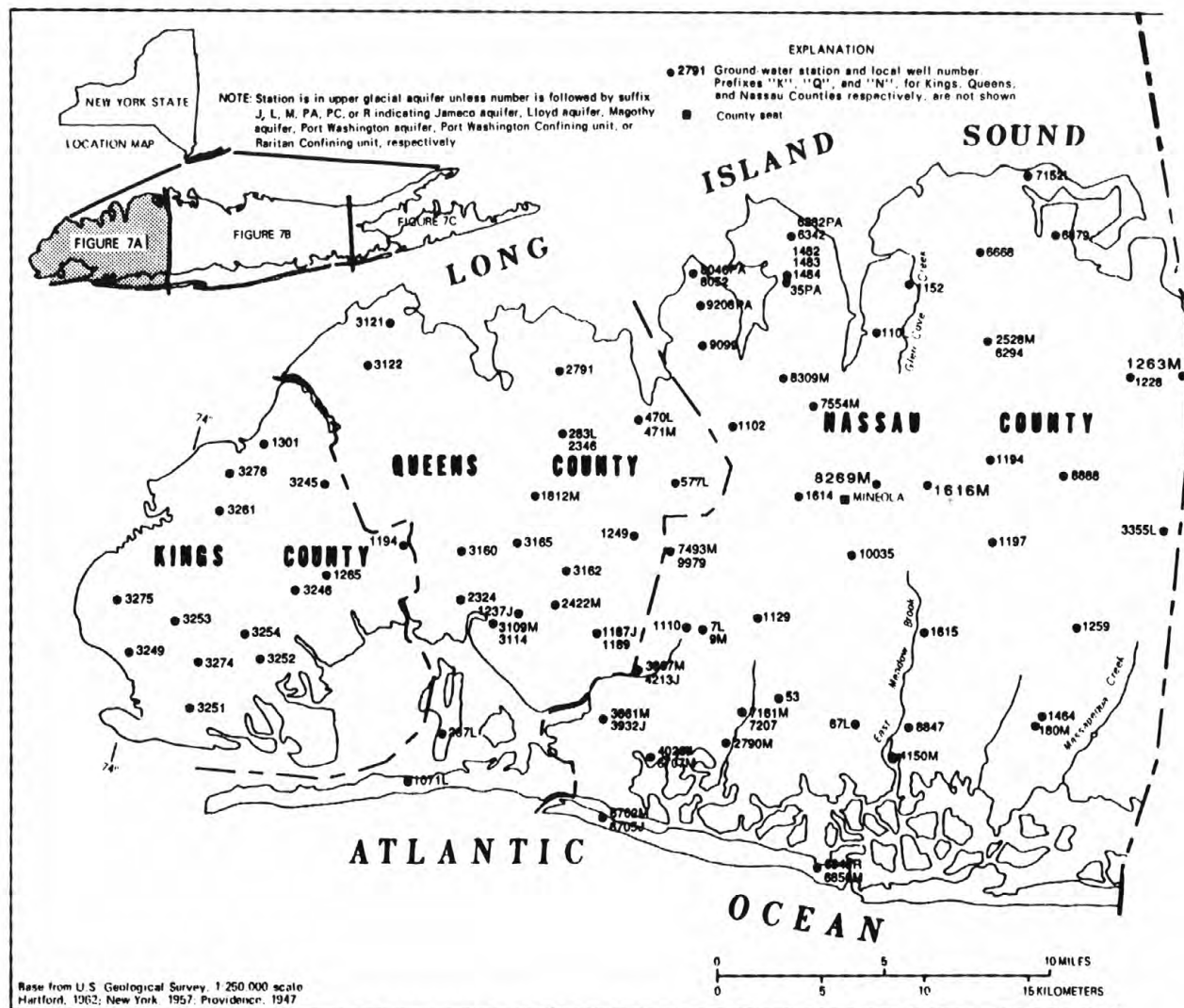


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

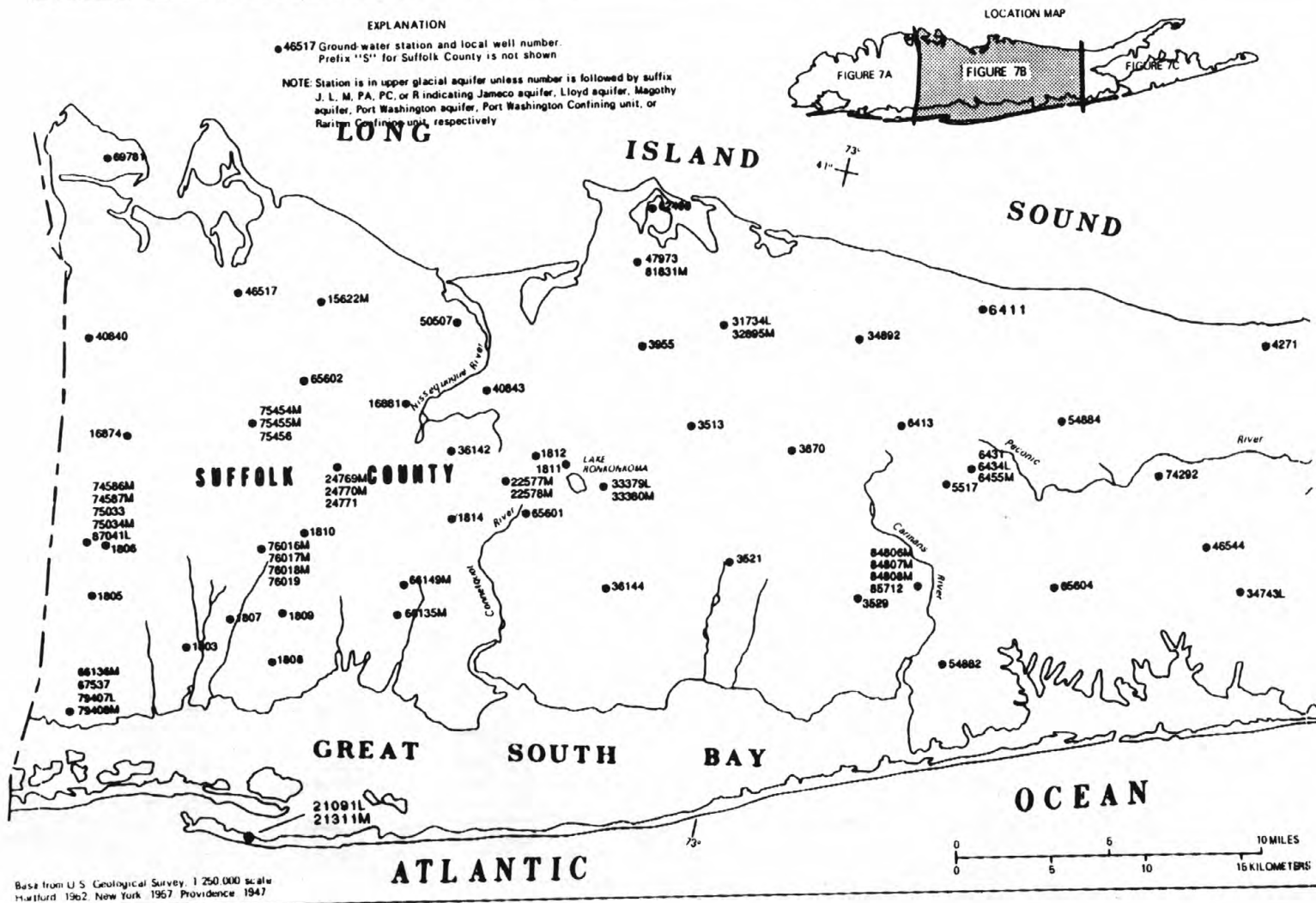


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

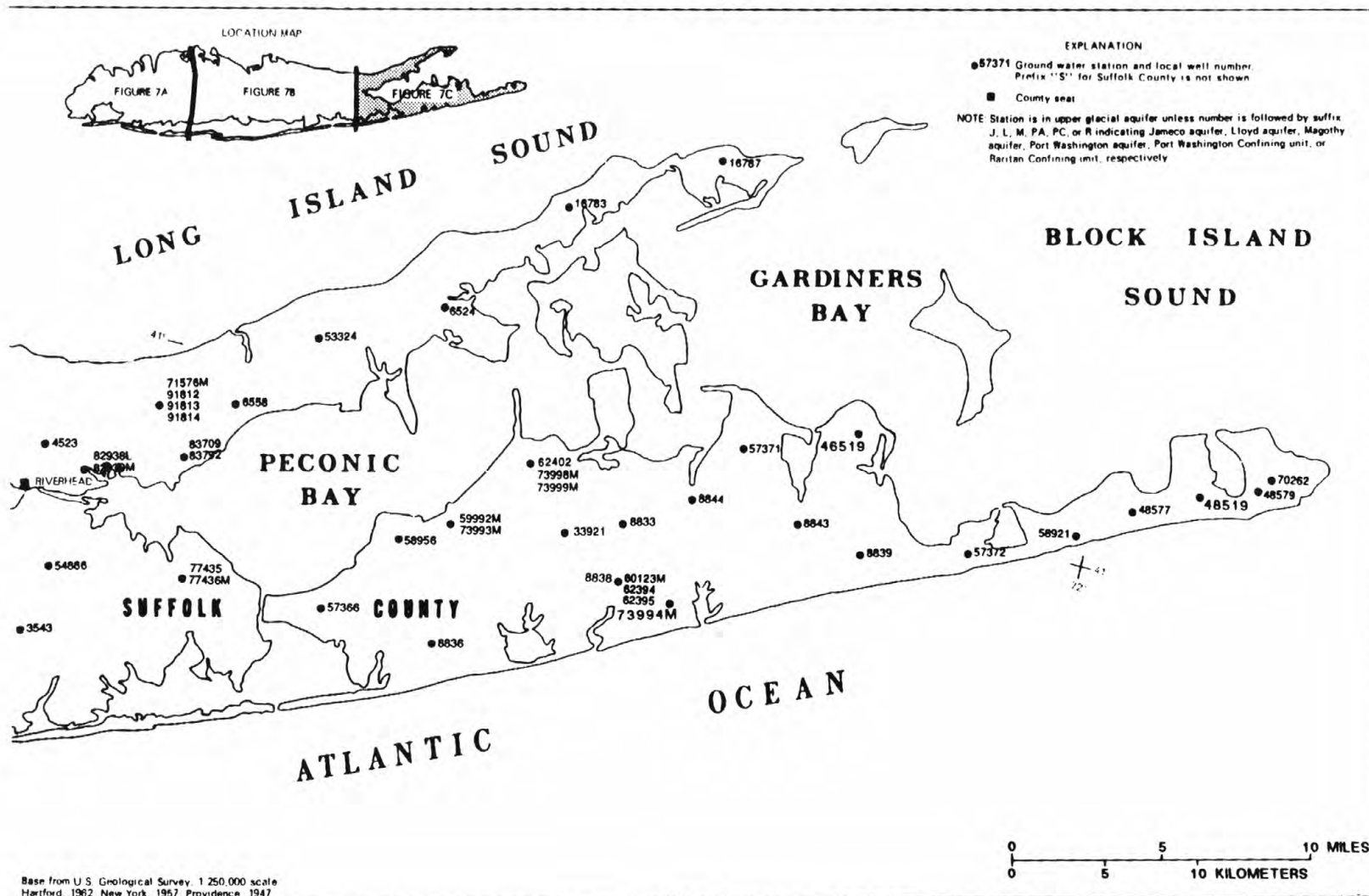


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

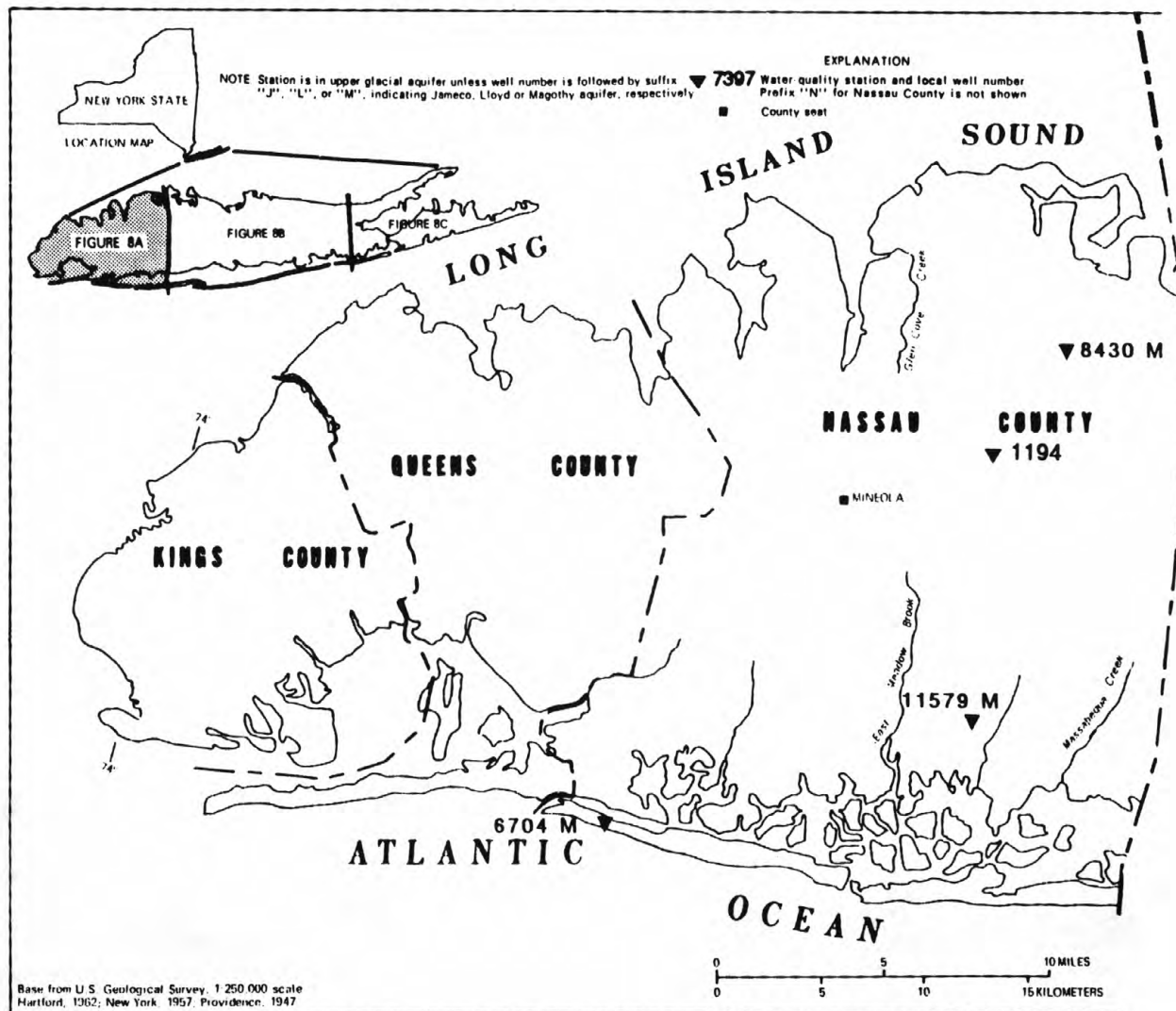


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

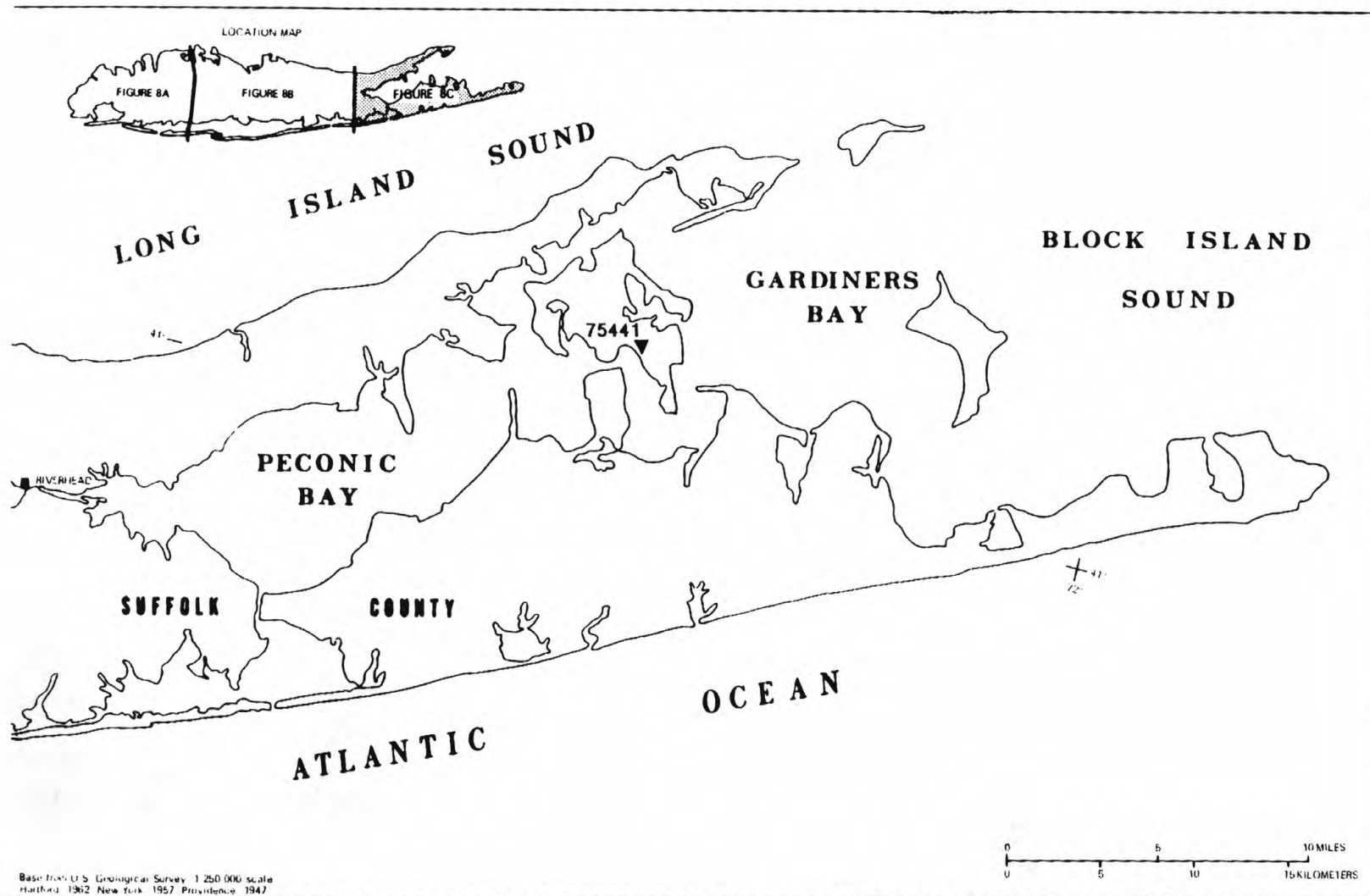


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

STREAMS ON LONG ISLAND

47

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY

LOCATION.--Lat 40°45'21", long 73°44'47", Queens County, Hydrologic Unit 02030201, on right bank just upstream from Cross Island Parkway entrance ramp, at upstream side of 6- by 9- foot concrete culvert in Alley Pond Park, about 4.0 mi north east of Oakland Gardens.

DRAINAGE AREA.--About 1.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4.0 ft above sea level, from topographic map.

REMARKS.-- Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	2.6	.89	1.8	1.1	.95	.95	e2.0	e.85	e1.5	1.0	.83
2	.95	.93	.94	1.2	1.1	.91	.95	e1.0	e.85	e1.0	1.0	.84
3	.85	.85	.95	.95	1.1	.92	.95	e.95	e.90	e.95	1.1	.82
4	.85	.85	.95	.95	21	.95	1.0	e.95	e.85	e.95	1.1	.82
5	.85	.85	3.5	.95	1.1	.95	.95	e.95	e.85	e.90	1.1	.82
6	.85	.95	.92	1.1	.99	.95	.95	e.95	e.85	.88	1.1	.90
7	.85	.95	1.0	4.4	.97	.95	.95	e.90	e.90	.95	1.1	.82
8	.88	.97	.90	.95	.95	2.8	1.0	e.90	e.85	.95	1.1	.95
9	.87	1.1	.91	.95	.95	2.7	1.8	e.90	e.85	.95	1.1	.95
10	.93	1.8	3.3	.95	1.0	.85	.93	e1.0	e.85	.95	1.1	.85
11	.92	.85	1.6	1.0	1.2	.85	.85	e1.0	e.85	1.5	1.1	.91
12	.95	.89	.92	1.0	1.0	.85	1.6	e.90	e2.0	.85	1.2	.92
13	.95	.95	.95	1.0	.96	.87	2.3	e.85	e1.0	.85	1.1	.96
14	.94	.96	.95	1.1	.95	.93	.85	e.85	e1.5	.85	.83	1.1
15	.85	1.0	.95	1.1	1.6	.95	.85	e.85	e.85	.85	.88	1.0
16	.94	1.1	.95	1.4	2.3	1.0	.85	e.85	e.85	.85	.85	1.1
17	.96	.95	1.2	1.1	.98	1.1	.85	e1.0	e.80	6.8	.85	4.1
18	.95	1.3	.97	1.1	.96	.98	.85	e.90	e.80	4.9	.82	1.6
19	.95	.93	.99	1.1	.98	.97	.85	e1.2	e.80	.88	.81	1.8
20	1.1	.93	1.0	10	1.0	1.1	.85	e.90	e.80	.85	.82	.85
21	.94	1.7	1.0	1.2	1.1	1.2	1.1	e.85	e.80	.93	.83	.85
22	.95	.96	1.0	.96	.95	.95	.85	e.85	e1.5	.90	.82	2.4
23	1.9	.93	1.2	.96	1.0	.95	.86	e.85	e.80	4.2	.83	.69
24	.88	.95	34	.96	1.5	.95	.94	e.85	e1.0	1.0	.82	.66
25	.95	1.0	1.1	.99	.97	.95	.95	e1.0	e.90	.97	.82	1.1
26	.96	1.1	1.1	1.1	.96	.95	.95	e1.8	e.80	1.0	.85	1.5
27	.97	1.3	1.1	1.1	1.0	.95	.95	e.90	e1.2	1.0	.85	.66
28	.98	5.6	1.0	1.1	3.3	.95	e.95	e.85	e.80	1.6	.95	.68
29	.96	.89	.96	1.1	---	.96	e.95	e.85	e.80	1.2	.87	.75
30	.95	.90	.96	1.1	---	.95	e1.5	e.85	e.80	.92	.81	.76
31	1.0	---	.95	1.1	---	.95	---	e.85	---	.95	.84	---
TOTAL	29.93	37.04	69.11	45.77	52.97	33.24	31.13	30.30	28.25	43.83	29.35	32.99
MEAN	.97	1.23	2.23	1.48	1.89	1.07	1.04	.98	.94	1.41	.95	1.10
MAX	1.9	5.6	34	10	21	2.8	2.3	2.0	2.0	6.8	1.2	4.1
MIN	.85	.85	.89	.95	.95	.85	.85	.85	.80	.85	.81	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	1.09	1.11	1.80	1.69	1.54	1.36	1.10	1.17	.97	1.18	1.22	1.27
MAX	1.22	1.23	2.23	1.91	1.89	1.66	1.17	1.36	1.00	1.41	1.66	1.40
(WY)	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MIN	.97	.98	1.36	1.48	1.18	1.07	1.04	.98	.94	.93	.95	1.10
(WY)	1995	1994	1994	1995	1994	1995	1995	1995	1995	1993	1995	1995

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1993 - 1995

ANNUAL TOTAL	515.32	463.91	1.30
ANNUAL MEAN	1.41	1.27	1.34
HIGHEST ANNUAL MEAN			1994
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	34	Dec 24	34
LOWEST DAILY MEAN	.84	Jul 11	.66
ANNUAL SEVEN-DAY MINIMUM	.86	Oct 3	.81
INSTANTANEOUS PEAK FLOW			221a
INSTANTANEOUS PEAK STAGE			3.77
INSTANTANEOUS LOW FLOW			.66b
10 PERCENT EXCEEDS	2.1	1.5	1.7
50 PERCENT EXCEEDS	.95	.95	.95
90 PERCENT EXCEEDS	.86	.85	.85

a From rating curve extended above 60 ft³/s.

b Also occurred on Sep 24-29, 1995.

c Estimated

STREAMS ON LONG ISLAND

01302500 GLEN COVE CREEK AT GLEN COVE, NY

LOCATION.--Lat 40°51'48", long 73°38'05", Nassau County, Hydrologic Unit 02030201, on right bank just downstream from Glen Cove Road, at 8- by 10-foot concrete culvert in Pratt Park, one block west of post office, in Glen Cove. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS (WATER YEARS).--WSP 971: 1939-42. WDR NY-86-2: 1960 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.68 ft above sea level. Prior to Oct. 31, 1977, at datum 0.15 ft higher. Prior to June 17, 1965, at datum 0.19 ft higher.

REMARKS.--Records good except those above 200 ft³/s, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	5.2	4.1	7.9	3.9	6.5	3.9	11	3.7	7.6	e3.4	3.6
2	4.3	4.1	4.0	6.3	3.9	5.3	3.9	5.4	3.7	4.7	e3.4	3.6
3	4.2	3.9	3.9	4.5	3.9	4.7	3.9	4.5	3.9	3.6	e3.4	3.4
4	4.0	3.9	3.7	4.2	5.5	4.3	4.1	4.1	3.7	3.5	e3.2	3.4
5	3.9	3.9	15	4.0	4.3	4.1	3.9	3.9	3.7	3.4	e5.0	4.7
6	4.0	3.9	5.3	4.6	4.0	4.0	3.9	3.9	3.7	3.5	e6.0	3.4
7	3.9	3.8	5.3	27	3.9	3.9	3.9	3.9	4.0	3.4	e5.5	3.4
8	3.9	3.8	4.3	7.3	3.9	11	4.0	3.9	3.7	3.5	e4.0	3.4
9	3.9	4.0	4.1	6.1	3.9	20	6.5	3.7	3.7	3.6	e4.0	3.4
10	3.9	9.0	14	5.0	4.0	6.7	4.9	4.7	3.7	3.5	e3.8	3.4
11	3.9	3.9	9.9	4.6	4.5	6.3	3.9	5.1	3.7	9.1	e3.8	3.4
12	3.9	3.7	5.5	4.7	3.9	5.6	8.7	3.9	11	3.6	e3.6	3.4
13	3.9	3.7	4.9	4.3	3.9	4.7	12	3.7	4.0	3.5	e3.6	3.4
14	3.9	3.8	4.5	4.2	3.9	4.3	7.0	3.6	6.1	3.4	e3.6	3.4
15	3.7	3.8	4.2	4.3	6.0	4.2	4.7	3.7	3.8	3.4	e3.6	3.4
16	3.7	3.7	4.0	4.6	11	4.1	4.2	3.7	3.6	3.4	3.7	3.4
17	3.7	3.7	4.9	4.3	5.5	4.4	4.0	5.2	3.6	35	3.7	23
18	3.7	5.2	4.3	4.0	4.8	4.1	3.9	3.9	3.6	32	3.7	3.4
19	3.8	4.0	4.0	4.0	4.5	4.0	4.2	5.6	3.6	9.5	3.7	3.3
20	4.6	3.6	4.0	30	4.4	4.0	4.0	3.8	3.6	6.7	3.7	3.3
21	3.8	8.2	4.0	11	4.5	5.7	4.8	3.7	3.6	4.9	3.6	3.3
22	3.7	4.6	4.0	7.4	4.1	4.2	5.5	3.7	6.3	4.2	3.6	8.7
23	10	3.9	5.8	6.0	4.1	4.0	4.0	3.7	3.6	18	3.6	3.4
24	4.3	3.8	23	5.0	6.6	4.0	4.2	3.7	4.8	6.4	3.6	3.1
25	3.8	3.8	7.6	4.5	4.3	3.9	4.0	4.1	3.8	4.9	3.6	5.4
26	3.8	3.8	6.0	4.2	4.0	3.9	4.1	9.8	3.6	5.8	3.6	9.0
27	3.9	4.7	5.2	4.1	3.9	4.0	4.0	4.1	5.4	7.0	3.6	3.3
28	3.9	17	4.7	4.0	18	3.9	3.9	4.0	3.6	7.7	3.6	3.1
29	3.9	5.3	4.4	3.9	---	3.9	3.9	4.1	3.6	6.0	3.6	3.1
30	3.9	4.7	4.1	3.9	---	4.0	6.4	4.0	3.6	3.4	3.6	3.1
31	3.9	---	4.1	3.9	---	4.0	---	3.7	---	e3.4	3.7	---
TOTAL	129.6	144.4	186.8	203.8	143.1	161.7	146.3	139.8	126.0	221.6	118.1	134.6
MEAN	4.18	4.81	6.03	6.57	5.11	5.22	4.88	4.51	4.20	7.15	3.81	4.49
MAX	10	17	23	30	18	20	12	11	11	35	6.0	23
MIN	3.7	3.6	3.7	3.9	3.9	3.9	3.9	3.6	3.6	3.4	3.2	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

	6.34	7.02	7.18	7.64	7.78	8.48	8.12	7.48	6.72	6.84	7.34	6.74
MEAN	6.34	7.02	7.18	7.64	7.78	8.48	8.12	7.48	6.72	6.84	7.34	6.74
MAX	11.7	15.4	12.4	29.8	16.2	14.7	23.5	21.2	16.0	19.1	20.5	13.7
(WY)	1990	1978	1984	1979	1941	1980	1983	1989	1984	1984	1955	1975
MIN	3.18	3.23	3.48	3.27	3.48	4.32	3.90	3.87	3.07	3.14	3.25	2.84
(WY)	1966	1966	1966	1970	1967	1981	1966	1965	1971	1970	1965	1967

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1939 - 1995

ANNUAL TOTAL	2504.7	1855.8	7.31
ANNUAL MEAN	6.86	5.08	12.8
HIGHEST ANNUAL MEAN			4.22
LOWEST ANNUAL MEAN			1979
HIGHEST DAILY MEAN	126	Jan 28	455
LOWEST DAILY MEAN	3.3	Jul 22	2.2
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 6	2.3
INSTANTANEOUS PEAK FLOW			728a
INSTANTANEOUS PEAK STAGE			6.80
INSTANTANEOUS LOW FLOW			3.1b
10 PERCENT EXCEEDS	12	7.0	2.1
50 PERCENT EXCEEDS	4.5	4.0	11
90 PERCENT EXCEEDS	3.7	3.5	5.8
			3.5

a From rating curve extended above 110 ft³/s on basis of step-backwater method.

b Also occurred on Sep 27-30.

c Estimated

STREAMS ON LONG ISLAND

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01302500 GLEN COVE CREEK AT GLEN COVE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 11...	1115	3.9	331	7.1	12.0	--	9.9	25	8.4
JAN 23...	1400	5.8	270	7.0	9.5	764	8.8	20	6.7
APR 03...	1055	3.7	321	6.7	9.0	775	8.0	24	8.3

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 11...	27	2.4	46	28	46	<0.10	17	0.007	4.2
JAN 23...	21	2.4	41	21	35	<0.10	12	0.009	3.3
APR 03...	22	2.1	43	27	43	<0.10	15	0.003	4.3

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 11...	0.060	0.60	0.013	0.010	410	250	50	45	<0.02
JAN 23...	0.17	0.40	0.035	0.017	560	360	60	50	<0.02
APR 03...	0.030	<0.20	0.006	0.005	310	190	50	42	<0.02

01303000 MILL NECK CREEK AT MILL NECK, NY

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

DRAINAGE AREA.--About 11.5 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft above sea level.
Prior to June 23, 1965, at datum 0.06 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. . Slight regulation by ponds above stations.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 32 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 24	0600	*84	*1.24	No other peak greater than base discharges.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	7.2	e8.0	9.0	5.9	11	7.0	9.4	4.4	5.0	4.4	5.4
2	6.5	7.2	e8.0	10	6.3	8.7	6.9	8.8	4.2	5.9	4.1	5.3
3	6.0	7.5	e8.0	9.9	6.3	6.6	6.8	7.8	4.2	5.8	3.9	5.2
4	5.6	7.7	e12	9.2	e7.5	6.1	6.6	6.9	4.2	5.4	4.2	5.0
5	5.6	7.7	e15	9.9	e7.0	5.9	6.7	6.6	4.2	5.0	5.1	5.2
6	5.6	7.4	e10	9.2	e6.0	6.0	6.9	6.4	3.8	5.0	5.5	5.1
7	5.6	6.6	e8.0	18	4.7	5.9	7.1	5.9	4.4	4.8	5.5	4.9
8	5.6	7.0	e7.7	17	4.0	6.4	7.4	5.6	4.4	4.4	5.2	4.8
9	5.6	7.0	7.5	14	3.5	13	7.8	5.6	4.4	3.8	5.0	5.3
10	5.6	10	8.3	12	3.8	9.8	9.9	6.2	4.2	3.8	5.0	5.3
11	5.4	8.8	13	11	4.1	7.9	8.7	7.4	4.2	6.0	5.1	5.0
12	5.4	8.0	9.8	11	4.4	7.1	8.2	7.6	7.4	6.3	5.0	5.1
13	5.4	7.7	8.3	11	4.4	6.9	13	6.9	8.2	6.2	5.0	5.2
14	5.4	7.4	7.5	9.7	4.4	6.4	12	6.3	7.8	5.6	5.0	5.4
15	5.4	7.4	7.3	9.4	4.6	6.5	9.4	6.3	7.0	4.8	5.0	5.1
16	5.0	7.4	7.0	9.2	7.4	6.6	8.0	6.1	6.1	3.8	5.3	5.1
17	5.0	7.7	7.2	9.2	7.3	6.6	7.3	6.1	5.6	3.6	5.2	12
18	5.0	8.4	7.9	8.6	6.5	6.6	6.9	5.6	5.4	23	4.8	12
19	5.0	10	7.3	8.2	6.1	6.6	6.8	5.4	5.5	11	4.2	7.7
20	5.0	9.6	7.0	12	5.9	6.6	6.4	5.0	5.3	7.1	4.1	6.4
21	5.4	10	7.0	13	5.9	7.2	6.4	4.5	5.0	5.6	4.1	5.9
22	5.4	10	7.0	9.3	5.8	7.9	7.6	3.6	5.1	4.8	4.0	6.2
23	6.3	8.4	6.9	7.2	5.6	7.5	6.8	3.6	5.3	4.7	3.9	7.2
24	7.7	7.7	41	6.4	6.5	6.8	6.4	3.0	5.5	5.9	4.2	6.2
25	6.4	e7.7	15	6.1	6.4	6.6	6.4	3.0	5.9	5.4	4.1	6.0
26	6.3	e7.7	8.3	5.9	5.9	6.9	6.0	5.6	5.9	4.8	4.5	8.7
27	6.1	e7.7	5.0	5.9	5.7	7.0	6.0	6.2	6.1	4.5	4.9	8.0
28	5.9	e15	4.1	6.5	8.9	7.0	5.9	5.7	5.8	5.8	4.7	6.7
29	6.1	e12	3.9	6.2	---	7.0	5.9	5.6	5.5	6.5	4.8	5.9
30	6.3	e10	5.4	5.9	---	7.1	6.0	5.5	5.0	5.6	4.9	5.6
31	6.8	---	6.5	5.9	---	7.1	---	5.1	---	4.8	4.9	---
TOTAL	178.8	253.9	284.9	295.8	160.8	225.3	223.2	183.3	160.0	184.7	145.6	186.9
MEAN	5.77	8.46	9.19	9.54	5.74	7.27	7.44	5.91	5.33	5.96	4.70	6.23
MAX	7.7	15	41	18	8.9	13	13	9.4	8.2	23	5.5	12
MIN	5.0	6.6	3.9	5.9	3.5	5.9	5.9	3.0	3.8	3.6	3.9	4.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

MEAN	8.29	9.19	9.24	9.19	9.35	9.95	9.72	9.21	8.51	8.41	8.56	8.35
MAX	12.9	12.3	14.5	16.4	13.4	13.8	14.9	13.9	14.1	17.9	15.7	13.3
(WY)	1956	1978	1974	1979	1979	1953	1980	1984	1984	1984	1955	1960
MIN	5.22	5.48	5.20	5.36	5.66	6.59	5.19	5.45	4.53	4.10	4.54	4.64
(WY)	1966	1987	1967	1967	1968	1966	1968	1965	1966	1966	1966	1965

STREAMS ON LONG ISLAND

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01303000 MILL NECK CREEK AT MILL NECK, NY--Continued

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1937 - 1995
ANNUAL TOTAL	3014.3	2483.2	9.00
ANNUAL MEAN	8.26	6.80	12.1
HIGHEST ANNUAL MEAN			5.59
LOWEST ANNUAL MEAN			105
HIGHEST DAILY MEAN	41 Dec 24	41 Dec 24	3.0 Aug 12 1955
LOWEST DAILY MEAN	3.9 Dec 29	3.0 May 24	3.7 May 24 1995
ANNUAL SEVEN-DAY MINIMUM	5.1 Oct 14	4.0 May 19	137a Sep 12 1960
INSTANTANEOUS PEAK FLOW		84a Dec 24	4.85b Sep 21 1938
INSTANTANEOUS PEAK STAGE		1.24 Dec 24	0.09c Dec 11 1941
INSTANTANEOUS LOW FLOW		3.0 May 24	
10 PERCENT EXCEEDS	12	9.7	12
50 PERCENT EXCEEDS	7.3	6.2	8.4
90 PERCENT EXCEEDS	5.6	4.4	5.8

a From rating curve extended above 70 ft³/s.

b From hurricane wave.

c Result of freezeup.

e Estimated

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 11...	0930	5.4	162	7.9	11.0	--	8.4	11	4.7
JAN 23...	1150	7.0	314	7.4	3.0	765	13.3	12	7.2
APR 03...	0935	6.6	203	7.3	7.5	775	11.7	11	5.5

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2-N03 DIS-SOLVED (MG/L AS N)
OCT 11...	13	1.5	27	17	18	<0.10	10	0.016	0.82
JAN 23...	40	2.5	26	20	70	<0.10	7.7	0.013	1.2
APR 03...	18	1.7	27	17	30	<0.10	7.0	0.022	0.82

DATE	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 11...	0.020	0.20	0.10	0.009	710	87	60	11	0.03
JAN 23...	0.020	<0.20	0.020	0.004	270	130	30	6	<0.02
APR 03...	<0.015	0.20	0.040	0.002	550	37	40	13	0.03

LOCATION.--Lat 40°51'26", long 73°27'50", Nassau County, Hydrologic Unit 02030201, on left bank 270 ft upstream from State Highway 25A, at Cold Spring Harbor Fish Hatchery, and 1.0 mi southwest of village of Cold Spring Harbor. Water-quality sampling site at discharge station.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.38 ft above sea level.

REMARKS.--No estimated daily discharges. Records good except those above 100 ft³/s, which are poor. Flow occasionally regulated at outlet of pond 40 ft above station. Diversion from this pond by New York Fish Hatchery bypasses station, except during the 1979 water year.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	1.7	1.8	1.6	2.9	1.4	2.2	1.3	.98	.60	.50
2	1.6	1.8	1.6	2.0	1.6	2.1	1.4	2.0	1.3	.98	.56	.56
3	1.5	1.6	1.5	1.8	1.6	1.8	1.4	1.8	1.3	.98	.76	.56
4	1.4	1.4	1.6	1.6	2.6	1.6	1.4	1.7	1.3	.98	.81	.56
5	1.4	1.4	2.4	1.4	2.3	1.5	1.4	1.5	1.3	.96	.86	.56
6	1.3	1.8	2.8	1.4	1.8	1.4	1.3	1.4	1.1	.86	.98	.47
7	1.3	2.2	2.1	4.1	1.6	1.4	1.3	1.4	1.6	.86	.86	.39
8	1.2	1.8	1.8	3.3	1.4	1.6	1.3	1.3	1.8	.86	.65	.39
9	1.1	1.7	1.6	2.3	1.4	4.6	1.5	1.3	1.5	.86	.75	.39
10	1.1	2.3	1.8	1.9	1.4	2.7	1.8	1.4	1.3	.86	.65	.32
11	1.1	2.1	3.4	1.8	1.3	1.9	1.8	1.7	1.3	1.1	.65	.33
12	1.2	1.8	2.5	1.8	1.4	1.8	1.6	1.8	1.8	1.3	.65	.32
13	1.4	1.7	1.9	1.8	1.3	1.6	2.5	1.6	2.0	1.3	.65	.32
14	1.4	1.6	1.8	1.9	1.3	1.6	2.4	1.4	1.6	.98	.62	.32
15	1.3	1.6	1.6	2.1	1.3	1.6	1.9	1.4	1.4	.98	.56	.34
16	1.2	1.6	1.6	2.7	2.5	1.6	1.6	1.6	1.3	.97	.84	.56
17	1.2	1.6	1.7	2.8	2.6	1.6	1.4	1.6	1.2	1.0	.83	2.2
18	1.3	1.6	1.8	2.3	2.0	1.7	1.4	1.6	1.1	13	.66	2.4
19	1.3	2.2	1.8	2.0	1.7	1.6	1.6	1.6	1.1	3.0	.51	1.3
20	1.2	1.9	1.6	3.0	1.6	1.6	1.6	1.6	.98	1.7	.47	.87
21	1.4	1.9	1.6	3.7	1.6	1.7	1.7	1.4	.98	1.3	.47	.71
22	1.4	2.3	1.6	2.5	1.6	1.8	1.8	1.3	1.4	1.1	.55	.94
23	1.8	1.9	1.6	1.9	1.4	1.7	1.7	1.3	1.5	1.2	.62	1.7
24	2.6	1.5	3.2	1.8	1.8	1.6	1.6	1.3	1.5	1.8	.47	1.2
25	1.7	1.4	3.2	1.6	1.7	1.4	1.5	1.3	1.9	1.5	.48	.86
26	1.5	1.4	2.2	1.6	1.5	1.4	1.4	1.9	1.7	1.3	.56	1.4
27	1.4	1.4	1.7	1.6	1.4	1.4	1.4	1.9	1.5	1.1	.48	1.3
28	1.4	3.2	1.6	1.6	2.5	1.4	1.4	1.6	1.3	1.1	.55	.96
29	1.4	2.8	1.4	1.5	---	1.4	1.4	1.4	1.2	1.1	.47	.75
30	1.4	2.1	1.3	1.5	---	1.4	1.4	1.4	1.1	1.0	.47	.68
31	1.4	---	1.4	1.6	---	1.4	---	1.4	---	.77	.56	---
TOTAL	43.4	55.4	59.4	64.7	47.8	54.8	47.3	48.1	41.66	47.78	19.60	24.16
MEAN	1.40	1.85	1.92	2.09	1.71	1.77	1.58	1.55	1.39	1.54	.63	.81
MAX	2.6	3.2	3.4	4.1	2.6	4.6	2.5	2.2	2.0	13	.98	2.4
MTN	1.1	1.4	1.3	1.4	1.3	1.4	1.3	1.3	.98	.77	.47	.32

MEAN	2.46	2.65	2.61	2.80	2.88	2.89	2.87	2.72	2.60	2.56	2.66	2.46
MAX	6.02	6.35	5.95	8.56	6.85	6.56	7.25	6.60	6.37	6.17	6.11	6.35
(WY)	1980	1980	1980	1979	1979	1979	1980	1979	1979	1979	1979	1979
MIN	.38	.29	.29	.27	.29	.46	.45	.41	.67	.63	.59	.63
(WY)	1966	1967	1967	1967	1967	1967	1966	1967	1967	1968	1988	1965

ANNUAL TOTAL	736.41		554.10				
ANNUAL MEAN	2.02		1.52			2.68	
HIGHEST ANNUAL MEAN						6.32	1979
LOWEST ANNUAL MEAN						.51	1967
HIGHEST DAILY MEAN	19	Jan 28	13	Jul 18		53	Jan 21 1979
LOWEST DAILY MEAN	.79	Aug 4	.32	Sep 10		.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 9	.33	Sep 9		.22	Dec 3 1983
INSTANTANEOUS PEAK FLOW			28	Jul 18		181a	Jan 21 1979
INSTANTANEOUS PEAK STAGE			3.40c	Dec 24		5.34b	Aug 31 1954
INSTANTANEOUS LOW FLOW			.32e	Sep 8		.20d	Jan 24 1967
10 PERCENT EXCEEDS	3.0		2.2			4.4	
50 PERCENT EXCEEDS	1.8		1.4			2.5	
90 PERCENT EXCEEDS	1.2		.65			.86	

e Also occurred on Sep 10-15.

STREAMS ON LONG ISLAND

53

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

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 11...	0815	1.1	98	7.1	13.0	--	8.9	5.1	2.1
JAN 23...	1030	2.0	102	6.9	6.5	766	2.2	5.3	2.0
APR 03...	0850	1.1	104	7.0	7.5	776	6.4	4.9	2.0

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO- GEN NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 11...	10	0.90	16	4.9	16	<0.10	3.5	0.006	0.48
JAN 23...	10	0.90	13	4.3	16	<0.10	5.3	0.003	0.91
APR 03...	10	0.90	15	4.6	17	<0.10	3.2	0.003	0.65

DATE	NITRO- GEN AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN AM- MONIA + ORGANIC DIS- (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 11...	0.070	<0.20	0.016	0.006	700	540	20	26	0.03
JAN 23...	0.040	<0.20	0.014	0.003	390	270	20	20	<0.02
APR 03...	0.050	<0.20	0.024	0.003	910	710	40	30	<0.02

STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY

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

DRAINAGE AREA.--About 27 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft above sea level.

REMARKS.--No estimated daily discharges. Records excellent. Occasional regulation caused by cleaning of fish screens and trash racks at outlets of New Mill Pond on main stream and ponds on tributaries above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	36	39	38	37	49	36	44	33	30	27	24
2	38	36	37	40	37	43	36	43	33	32	27	24
3	37	35	36	38	37	41	36	40	34	30	27	24
4	36	35	36	37	44	39	36	38	34	31	27	24
5	36	35	41	36	44	38	35	37	33	29	29	24
6	35	35	41	36	40	38	35	36	33	28	29	24
7	34	34	39	50	38	38	35	35	34	28	28	24
8	33	34	38	52	36	39	35	35	34	28	27	24
9	33	35	37	45	36	48	36	35	32	28	27	24
10	33	41	40	41	36	44	40	36	32	28	27	23
11	33	39	50	39	36	43	38	37	32	31	26	23
12	33	37	44	38	36	39	37	37	39	30	26	23
13	33	36	40	38	36	38	46	36	39	29	26	24
14	33	36	38	38	36	37	44	36	36	28	26	25
15	34	35	37	38	36	37	39	35	34	28	25	24
16	33	35	37	39	46	37	38	36	33	27	25	24
17	32	35	37	40	44	38	36	36	32	27	26	41
18	33	37	37	39	40	38	36	37	31	50	25	42
19	33	42	37	38	38	37	37	37	31	39	25	32
20	33	39	37	45	38	37	36	36	31	32	24	28
21	33	39	36	49	38	38	36	35	31	30	24	27
22	33	43	37	43	38	38	38	34	31	29	24	30
23	37	39	36	40	37	38	37	33	30	29	24	36
24	42	36	44	38	40	37	36	33	30	30	24	31
25	38	36	47	38	39	36	35	35	33	33	24	29
26	36	36	42	37	38	36	35	39	33	32	24	34
27	35	36	39	37	37	36	35	38	32	30	24	32
28	35	53	38	37	47	36	35	35	31	31	24	29
29	35	50	37	37	---	36	35	35	30	30	24	27
30	35	42	36	37	---	36	36	35	30	28	24	26
31	35	---	36	37	---	36	---	34	---	27	24	---
TOTAL	1076	1137	1206	1235	1085	1201	1105	1128	981	942	793	826
MEAN	34.7	37.9	38.9	39.8	38.7	38.7	36.8	36.4	32.7	30.4	25.6	27.5
MAX	42	53	50	52	47	49	46	44	39	50	29	42
MIN	32	34	36	36	36	36	35	33	30	27	24	23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	38.6	40.6	42.4	43.7	44.7	46.8	47.9	45.8	42.8	39.8	39.4	38.2
MEAN	38.6	40.6	42.4	43.7	44.7	46.8	47.9	45.8	42.8	39.8	39.4	38.2
MAX	76.1	70.0	63.8	75.5	66.2	70.1	73.7	63.0	69.2	70.4	59.0	55.3
(WY)	1991	1956	1991	1979	1979	1979	1983	1989	1984	1984	1984	1984
MIN	23.5	24.3	24.0	23.3	23.4	29.2	27.3	30.8	25.6	22.4	22.1	24.2
(WY)	1967	1967	1967	1967	1967	1966	1966	1966	1966	1966	1966	1966

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1944 - 1995

ANNUAL TOTAL	15475	12715	
ANNUAL MEAN	42.4	34.8	42.5
HIGHEST ANNUAL MEAN			58.9
LOWEST ANNUAL MEAN			27.0
HIGHEST DAILY MEAN	98	53	334
LOWEST DAILY MEAN	32	23	19
ANNUAL SEVEN-DAY MINIMUM	32	24	21
INSTANTANEOUS PEAK FLOW		58	952a
INSTANTANEOUS PEAK STAGE		83	3.22
INSTANTANEOUS LOW FLOW		23c	16b
10 PERCENT EXCEEDS	53	41	56
50 PERCENT EXCEEDS	41	36	41
90 PERCENT EXCEEDS	33	26	31

a Result of dam failure, from rating curve extended above 600 ft³/s.

b Also occurred on Jun 6 1967.

c Also occurred on Sep 11, 12.

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1978 to September 1981.

WATER TEMPERATURES: January 1978 to September 1981.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT										
*06...	1450	35	134	6.3	12.5	--	10.0	6.3	2.7	13
17...	1145	32	132	6.9	11.0	776	10.3	7.1	2.8	13
DEC										
*28...	1130	38	--	6.4	6.0	--	10	5.7	2.6	10
FEB										
*15...	1430	36	--	6.8	5.0	--	13	7.5	2.8	16
27...	1300	37	--	6.8	3.0	--	13.2	5.9	2.0	8.6
APR										
25...	0825	35	138	6.7	11.5	767	9.1	7.4	2.6	13
*25...	1445	35	--	6.7	16.5	--	9.5	6.9	2.8	14
AUG										
*14...	1445	26	130	7.0	22.5	--	7.2	6.2	2.7	13
15...	0855	26	123	6.4	11.5	770	9.6	6.4	2.4	12

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT										
*06...	1.1	--	7	21	--	--	--	2.7	--	<0.02
17...	1.3	16	10	18	<0.10	6.7	0.004	1.8	1.8	--
DEC										
*28...	1.0	--	10	20	--	--	--	2.6	--	0.03
FEB										
*15...	1.4	--	10	20	--	--	--	2.6	--	0.02
27...	1.1	--	<4	17	--	--	--	<0.20	--	<0.02
APR										
25...	1.3	17	9.0	19	<0.10	6.2	0.018	1.8	1.8	--
*25...	1.3	--	11	20	--	--	--	2.0	--	0.02
AUG										
*14...	1.0	--	7	16	--	--	--	1.3	--	<0.02
15...	0.70	18	7.7	17	<0.10	8.3	0.002	1.4	1.4	--

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT										
*06...	0.29	--	0.028	<0.005	--	<50	<20	<20	<50	<10
17...	<0.20	0.020	0.005	--	0.003	--	--	--	--	--
DEC										
*28...	--	--	--	--	--	<50	<20	<20	<50	<10
FEB										
*15...	--	--	--	<0.005	--	<50	<20	<20	<50	<10
27...	--	--	--	0.14	--	<50	<20	<20	<50	<10
APR										
25...	0.30	0.030	0.011	--	<0.001	--	--	--	--	--
*25...	0.33	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
AUG										
*14...	--	--	--	--	--	<50	<20	<20	<50	<10
15...	<0.20	0.020	0.011	--	0.001	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT										
*06...	<20	<20	<20	<20	70	40	<20	<20	20	<20
17...	--	--	--	--	110	28	--	50	29	--
DEC										
*28...	<20	<20	<20	<20	1000	70	<20	30	20	<20
FEB										
*15...	<20	<20	<20	<20	120	60	<20	80	70	<20
27...	<20	<20	<20	<20	450	270	<20	100	80	<20
APR										
25...	--	--	--	--	220	45	--	180	120	--
*25...	<20	<20	<20	<20	160	100	<20	100	90	<20
AUG										
*14...	<20	<20	<20	<20	150	110	<20	80	60	<20
15...	--	--	--	--	110	49	--	30	30	--

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	SILICON DIS- SOLVED (UG/L AS SI)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	THALLIUM, DIS- SOLVED (UG/L AS TL)	TITANIUM, DIS- SOLVED (UG/L AS TI)	VANADIUM, DIS- SOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT *06... 17...	<20 --	<20 --	<20 --	2400 --	60 --	<50 --	<20 --	<20 --	<0.1 0.02
DEC *28... FEB *15... 27...	<20 <20 <20	<20 <20 <20	<20 <20 <20	3000 3500 2500	-- <20 30	<50 <50 <50	<20 <20 <20	<20 <20 <20	-- <0.1 <0.1
APR 25... *25... AUG *14... 15...	-- <20 <20 --	-- <20 <20 --	-- <20 <20 --	-- 2200 2800 --	-- 60 50 --	-- <50 <50 --	-- <20 <20 --	-- <20 <20 --	<0.02 -- <0.1 <0.02

STREAMS ON LONG ISLAND

57

01304500 PECONIC RIVER AT RIVERHEAD, NY

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

DRAINAGE AREA.--About 75 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by ponds above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	26	28	26	31	21	24	20	18	15	13
2	20	20	25	28	26	31	21	26	19	18	15	13
3	20	20	24	28	25	31	21	26	19	17	14	12
4	19	20	23	28	28	31	21	26	19	17	14	11
5	19	20	24	24	29	30	21	25	18	17	14	11
6	18	20	26	25	26	30	21	24	17	16	15	11
7	18	19	26	31	37	30	22	23	17	16	15	11
8	18	19	26	32	32	30	22	22	18	16	15	11
9	18	19	24	32	30	34	23	21	18	15	15	11
10	18	21	24	31	28	32	24	21	18	15	14	11
11	17	21	29	30	27	31	24	22	17	15	14	11
12	17	21	30	30	27	30	24	23	18	15	14	11
13	17	21	29	30	27	30	27	23	20	17	14	11
14	17	21	24	30	26	30	27	23	22	17	14	12
15	16	21	22	30	25	30	27	23	22	17	13	12
16	16	20	23	30	29	29	26	22	22	16	12	12
17	16	19	24	29	30	28	25	21	21	15	12	15
18	16	19	26	28	30	28	24	22	20	16	12	19
19	16	26	26	28	30	27	23	21	20	17	12	17
20	16	26	26	29	30	28	23	21	18	17	11	16
21	16	24	24	32	30	27	23	21	17	16	11	15
22	16	25	24	32	29	28	23	20	17	16	11	15
23	16	25	23	32	28	28	23	20	17	16	11	15
24	18	23	29	32	29	27	23	19	17	16	11	15
25	19	22	32	31	29	26	23	19	18	16	11	15
26	19	22	32	30	27	24	22	20	18	17	11	16
27	19	21	32	29	27	23	22	20	17	16	11	17
28	19	26	31	28	29	22	21	21	17	16	11	17
29	19	28	30	27	---	22	21	21	17	16	11	16
30	18	28	28	27	---	22	21	21	17	16	11	15
31	18	---	27	27	---	22	---	21	---	15	12	---
TOTAL	549	655	819	908	796	872	689	682	555	503	396	407
MEAN	17.7	21.8	26.4	29.3	28.4	28.1	23.0	22.0	18.5	16.2	12.8	13.6
MAX	20	28	32	32	37	34	27	26	22	18	15	19
MIN	16	18	22	24	25	22	21	19	17	15	11	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

	MEAN	26.4	30.7	34.6	38.9	42.3	48.0	51.1	46.0	39.8	30.2	28.5	25.4
MAX	69.6	80.6	63.8	106	105	109	96.4	96.3	104	84.7	83.4	62.6	62.6
(WY)	1990	1990	1984	1979	1979	1979	1984	1958	1984	1984	1989	1954	1954
MIN	12.5	13.3	13.2	14.7	16.4	22.8	17.1	18.7	17.1	13.5	10.8	11.1	11.1
(WY)	1967	1967	1967	1966	1967	1966	1966	1966	1966	1966	1966	1966	1966

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1942 - 1995

ANNUAL TOTAL	12258	7831	
ANNUAL MEAN	33.6	21.5	36.8
HIGHEST ANNUAL MEAN			67.9
LOWEST ANNUAL MEAN			16.1
HIGHEST DAILY MEAN	80	Mar 31	173
LOWEST DAILY MEAN	12	Jul 31	3.7
ANNUAL SEVEN-DAY MINIMUM	13	Jul 30	5.8
INSTANTANEOUS PEAK FLOW		50	225a
INSTANTANEOUS PEAK STAGE		.59	2.33b
INSTANTANEOUS LOW FLOW		2.4c	1.4d
10 PERCENT EXCEEDS	61	30	62
50 PERCENT EXCEEDS	28	21	32
90 PERCENT EXCEEDS	17	14	17

a Result of regulation.

b Backwater from high tide.

c Result of freezeup.

d Also occurred on Jan 31 1967, Dec 6 1969, Jan 27 1972 and Dec 10, 11 1977. Result of freezeups.

STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1975 to September 1980.

WATER TEMPERATURES: June 1975 to September 1980.

COOPERATION. --Water-quality analyses for this station identified by an asterisk (*) were collected and analysed by Suffolk County Department of Health Services. All other analyses for this station were collected and analysed by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
OCT										
*05...	0930	19	102	6.4	13.5	--	9.4	6.4	2.4	9.6
05...	0955	19	--	6.9	12.0	--	10.2	6.6	2.5	10
DEC										
*28...	0945	31	--	6.0	5.0	--	11	6.5	2.4	9.8
FEB										
27...	1030	27	--	6.4	3.0	783	13.4	6.4	2.1	8.8
*27...	1300	27	105	6.8	3	--	13.2	5.9	2.0	8.6
MAY										
*08...	0900	22	119	7.1	12.0	--	8	7.8	2.6	11
AUG										
*14...	0830	13	120	7.0	25.0	--	4.0	7.0	2.6	10
14...	0850	13	119	6.4	17.5	767	7.0	7.0	2.5	11

DATE	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CAC03)	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 SI02)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT										
*05...	1.2	--	4	16	--	--	--	0.2	--	<0.02
05...	1.2	17	11	16	<0.10	5.6	0.004	0.056	0.060	--
DEC										
*28...	1.2	--	15	16	--	--	--	0.3	--	0.04
FEB										
27...	1.3	15	10	15	<0.10	5.9	<0.001	0.12	0.12	--
*27...	1.1	--	<4	17	--	--	<0.02	<0.2	--	<0.02
MAY										
*08...	1.4	--	12	16	--	--	--	<0.2	--	<0.02
AUG										
*14...	1.1	--	10	14	--	--	--	<0.2	--	<0.02
14...	1.0	19	10	16	<0.10	4.2	<0.001	--	<0.050	--

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)
OCT										
*05...	0.39	--	0.034	0.015	--	<50	<20	<20	<50	<10
05...	0.20	0.040	0.037	--	0.017	--	--	--	--	--
DEC										
*28...	--	--	--	--	--	<50	<20	<20	<50	<10
FEB										
27...	0.30	0.030	0.052	--	0.019	--	--	--	--	--
*27...	<0.02	--	--	--	--	<50	<20	<20	<50	<10
MAY										
*08...	--	--	--	0.45	--	<50	<20	<20	<50	<10
AUG										
*14...	--	--	--	--	--	<50	<20	<20	<50	<10
14...	0.50	0.020	0.063	--	0.015	--	--	--	--	--

01305000 CARMANS RIVER AT YAPHANK, NY

LOCATION.--Lat 40°49'49", long 72°54'24", Suffolk County, Hydrologic Unit 02030202, on left bank 50 ft upstream from Long Island Railroad bridge, 0.6 mi northeast of Yaphank Station, and 0.7 mi southeast of Yaphank. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 71 mi².

WATER-DISCHARGE RECORDS

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

REVISID RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 17.95 ft above sea level. Prior to Feb. 2, 1967, at datum 1.00 ft higher.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	19	18	18	22	17	20	15	14	12	11
2	18	20	18	18	18	21	17	19	15	14	12	11
3	18	17	18	17	18	19	17	18	15	14	12	11
4	18	17	18	17	22	19	17	17	15	13	13	11
5	18	17	19	17	22	19	17	17	15	13	14	11
6	18	17	19	17	18	19	17	17	15	13	14	11
7	18	17	18	21	19	18	17	16	16	13	13	11
8	18	16	19	19	18	18	17	18	16	13	13	11
9	18	17	18	18	18	24	17	15	15	13	12	11
10	18	19	18	18	18	20	19	16	15	13	12	11
11	17	18	22	18	18	19	17	17	15	14	12	11
12	17	17	19	18	18	18	17	17	14	14	12	11
13	17	17	18	18	18	19	19	16	13	13	12	11
14	17	17	18	18	18	19	19	16	13	13	12	11
15	17	17	18	18	18	19	18	16	12	13	12	11
16	17	17	18	18	21	18	17	16	11	13	12	11
17	17	17	18	18	20	19	17	16	11	13	12	17
18	17	18	19	18	19	19	17	17	11	17	12	16
19	17	25	18	18	18	18	17	17	11	16	11	13
20	17	20	18	21	18	18	17	16	11	13	11	12
21	17	19	17	22	18	18	17	16	11	12	11	12
22	17	20	17	19	18	18	18	16	11	12	11	12
23	18	19	17	18	18	18	17	15	11	13	11	14
24	20	18	24	18	19	18	17	15	11	13	11	12
25	18	17	21	18	19	18	17	16	11	15	11	12
26	17	17	19	18	18	17	17	17	12	14	11	17
27	17	17	18	18	18	17	16	16	11	13	11	14
28	17	24	18	18	22	17	16	15	10	13	11	13
29	17	22	18	17	---	17	17	15	10	13	11	12
30	17	20	17	18	---	17	17	15	13	12	11	12
31	17	---	17	18	---	17	---	15	---	12	11	---
TOTAL	542	552	573	565	525	577	516	506	385	414	366	364
MEAN	17.5	18.4	18.5	18.2	18.7	18.6	17.2	16.3	12.8	13.4	11.8	12.1
MAX	20	25	24	22	22	24	19	20	16	17	14	17
MIN	17	16	17	17	18	17	16	15	10	12	11	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

MEAN	21.9	22.3	22.8	23.6	24.7	25.9	26.9	26.3	25.1	23.4	23.0	22.0
MAX	38.6	37.9	35.0	42.6	44.0	45.4	42.5	41.8	49.2	46.6	40.9	38.7
(WY)	1980	1990	1980	1979	1979	1979	1984	1984	1984	1984	1984	1984
MIN	10.9	10.6	9.48	9.35	9.74	13.7	13.1	14.1	12.8	10.5	10.5	10.6
(WY)	1967	1967	1967	1967	1967	1967	1966	1966	1995	1966	1966	1966

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1942 - 1995

ANNUAL TOTAL	7793	5885			
ANNUAL MEAN	21.4	16.1			24.0
HIGHEST ANNUAL MEAN					37.7
LOWEST ANNUAL MEAN					12.9
HIGHEST DAILY MEAN	33	Mar 10	25	Nov 19	84
LOWEST DAILY MEAN	16	Nov 8	10	Jun 28	6.2ab
ANNUAL SEVEN-DAY MINIMUM	17	Nov 3	11	Jun 23	7.4
INSTANTANEOUS PEAK FLOW			29	Nov 19	143c
INSTANTANEOUS PEAK STAGE			1.33	Nov 19	2.09
INSTANTANEOUS LOW FLOW			9.2	Jun 29	2.8b
10 PERCENT EXCEEDS	27		19		34
50 PERCENT EXCEEDS	21		17		23
90 PERCENT EXCEEDS	17		11		16

a Also occurred on Mar 3 1967.

b Result of temporary construction upstream.

c From rating curve extended above 80 ft³/s.

STREAMS ON LONG ISLAND

61

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--December 1979 to September 1981.

WATER TEMPERATURES.--December 1979 to September 1981.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
OCT										
*05...	1130	18	124	6.3	13.0	--	8.8	7.7	3.2	11
17...	0915	17	143	7.0	10.0	776	9.6	8.7	3.7	13
DEC										
*20...	1300	18	--	6.5	7.0	--	9.4	8.2	3.6	12
FEB										
*27...	1115	18	--	5.7	4.0	--	10	7.3	2.9	11
APR										
*25...	0845	17	--	6.1	12.0	--	7.8	8.8	3.8	12
25...	1250	17	142	7.1	16.0	766	10.7	8.2	3.2	12
AUG										
14...	0725	12	156	6.6	11.5	767	8.1	8.6	3.4	13
*14...	0930	12	144	7.1	19.0	--	6.7	8.4	3.4	12

DATE	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	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)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT										
*05...	1.3	--	7	19	--	--	--	1.6	--	0.02
17...	1.2	18	13	19	<0.10	11	0.004	1.5	1.5	--
DEC										
*20...	1.1	--	<4	28	--	--	--	1.7	--	<0.02
FEB										
*27...	1.0	--	19	19	--	--	--	1.7	--	<0.02
APR										
*25...	1.2	--	16	19	--	--	--	1.2	--	<0.02
25...	1.0	19	12	19	<0.10	8.8	0.015	1.3	1.3	--
AUG										
14...	0.90	21	13	21	<0.10	10	0.005	1.0	1.0	--
*14...	1.1	--	12	18	--	--	--	0.8	--	<0.02

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)
OCT										
*05...	0.44	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
17...	<0.20	0.030	0.011	--	0.003	--	--	--	--	--
DEC										
*20...	--	--	--	--	--	<50	<20	<20	<50	<10
FEB										
*27...	--	--	--	<0.005	--	<50	<20	<20	<50	<10
APR										
*25...	0.20	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
25...	0.20	0.020	0.010	--	0.003	--	--	--	--	--
AUG										
14...	0.20	0.020	0.010	--	0.002	--	--	--	--	--
*14...	--	--	--	--	--	<50	<20	<20	<50	<10

STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT *05...	<20	<20	<20	<20	280	170	<20	60	50	<20
17...	--	--	--	--	340	140	--	70	63	--
DEC *20...	<20	<20	<20	<20	220	180	<20	50	50	<20
FEB *27...	<20	<20	<20	<20	210	140	<20	60	50	<20
APR *25...	<20	<20	<20	<20	210	140	<20	50	50	<20
25...	--	--	--	--	270	110	--	50	40	--
AUG 14...	--	--	--	--	270	110	--	130	120	--
*14...	<20	<20	<20	<20	210	110	<20	90	100	<20

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	SILICON, DIS- SOLVED (UG/L AS SI)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	THAL- LIUM, DIS- SOLVED (UG/L AS TL)	TITA- NIUM, DIS- SOLVED (UG/L AS TI)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT *05...	<20	<20	<20	3500	40	<50	<20	<20	<0.1
17...	--	--	--	--	--	--	--	--	0.02
DEC *20...	<20	<20	<20	5700	--	<50	<20	<20	--
FEB *27...	<20	<20	<20	5300	40	<50	<20	<20	<0.1
APR *25...	<20	<20	<20	4800	40	<50	<20	<20	--
25...	--	--	--	--	--	--	--	--	0.02
AUG 14...	--	--	--	--	--	--	--	--	<0.02
*14...	<20	<20	<20	5200	40	<50	<20	<20	<0.1

STREAMS ON LONG ISLAND

63

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

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

DRAINAGE AREA.--About 8.8 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2.84 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.5	9.0	10	9.8	11	9.8	12	8.1	6.9	7.0	6.0
2	8.1	8.6	9.0	9.9	9.8	9.8	9.8	9.9	8.1	6.8	7.0	5.2
3	8.1	7.5	9.0	9.4	9.6	9.8	9.8	9.3	8.1	6.6	7.0	4.6
4	8.1	7.3	9.0	9.4	15	9.8	9.8	9.0	8.2	5.2	7.0	5.8
5	8.1	7.3	10	9.4	11	9.4	9.4	9.0	8.2	4.2	7.8	6.2
6	8.0	7.5	9.8	9.4	9.3	9.4	9.4	8.8	8.2	14	7.3	5.7
7	7.7	7.4	9.4	13	9.6	9.4	9.4	8.5	10	7.6	7.2	5.6
8	7.7	7.1	9.0	10	9.1	9.5	9.4	8.5	8.8	6.6	7.0	5.6
9	7.7	7.3	9.0	10	9.0	13	10	8.5	7.5	6.6	6.8	5.6
10	7.6	9.4	11	9.6	9.2	10	10	9.0	7.7	6.6	6.6	5.5
11	7.3	8.3	12	9.4	9.4	9.8	9.6	9.4	7.8	6.9	6.6	5.5
12	7.3	8.1	9.8	9.4	9.0	9.8	9.4	9.4	8.2	6.9	6.6	5.6
13	7.3	8.1	9.4	9.4	9.0	9.8	12	9.4	9.5	6.5	6.2	5.6
14	7.3	7.8	9.4	9.4	9.0	9.4	11	9.4	11	6.4	5.9	7.0
15	7.4	7.7	9.4	9.4	9.6	9.4	10	9.4	12	6.4	5.9	6.1
16	7.3	7.7	9.4	10	11	9.4	9.8	9.4	8.6	6.2	5.9	5.9
17	7.3	7.7	9.8	9.8	9.6	9.8	9.8	9.1	7.6	6.2	5.9	17
18	7.3	10	10	9.4	9.1	9.8	9.8	9.8	7.6	10	4.7	9.4
19	7.3	12	9.8	9.4	9.4	9.8	9.8	9.8	7.2	7.4	5.2	7.7
20	7.3	8.7	9.8	13	9.4	9.8	9.8	9.8	7.3	7.0	5.7	7.5
21	7.3	9.3	9.5	11	9.4	10	9.8	9.3	7.0	7.0	5.7	7.3
22	7.3	9.3	9.4	9.8	9.4	9.8	9.8	8.7	7.3	7.0	5.8	8.3
23	9.2	8.5	10	9.4	9.4	9.8	9.3	8.4	7.3	7.3	5.6	8.8
24	8.9	8.5	12	9.4	10	9.5	9.0	8.5	7.3	7.1	5.5	7.6
25	7.8	8.5	10	9.4	9.5	9.4	9.0	8.7	7.7	9.9	5.0	7.6
26	7.4	8.5	9.4	9.4	9.4	9.4	9.0	11	7.5	8.1	5.2	15
27	7.3	8.5	9.4	9.4	9.4	9.4	9.0	8.9	7.2	7.5	5.5	8.8
28	7.3	16	9.4	9.4	13	9.4	9.0	8.3	7.7	7.9	6.3	7.8
29	7.3	10	9.4	9.4	---	9.4	9.0	8.8	7.3	7.6	6.2	7.3
30	7.3	9.2	9.3	9.4	---	9.4	9.2	8.7	7.3	7.2	5.6	7.3
31	7.3	---	9.0	9.4	---	9.7	---	8.3	---	7.0	5.4	---
TOTAL	236.7	261.3	299.8	304.1	275.4	303.1	289.9	285.0	244.9	224.6	191.1	218.9
MEAN	7.64	8.71	9.67	9.81	9.84	9.78	9.66	9.19	8.16	7.25	6.16	7.30
MAX	9.2	16	12	13	15	13	12	12	12	14	7.8	17
MIN	7.3	7.1	9.0	9.4	9.0	9.4	9.0	8.3	7.0	4.2	4.7	4.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

	11.2	11.4	11.6	12.2	12.6	13.4	14.1	13.8	13.1	12.2	11.7	11.1
MEAN	11.2	11.4	11.6	12.2	12.6	13.4	14.1	13.8	13.1	12.2	11.7	11.1
MAX	17.3	17.7	16.4	18.6	18.3	19.6	21.7	21.5	21.6	20.7	20.1	19.7
(WY)	1980	1956	1984	1979	1973	1984	1984	1984	1984	1979	1984	1984
MIN	7.26	7.67	7.64	7.64	8.03	9.49	8.85	9.19	8.01	7.25	6.16	7.30
(WY)	1989	1966	1967	1967	1967	1966	1966	1995	1981	1995	1995	1995

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1947 - 1995

ANNUAL TOTAL	3632.5	3134.8	
ANNUAL MEAN	9.95	8.59	12.4
HIGHEST ANNUAL MEAN			18.5
LOWEST ANNUAL MEAN			8.59
HIGHEST DAILY MEAN	19	17	40
LOWEST DAILY MEAN	6.6	4.2	4.2
ANNUAL SEVEN-DAY MINIMUM	6.9	5.5	5.5
INSTANTANEOUS PEAK FLOW		40	77a
INSTANTANEOUS PEAK STAGE		1.30	2.71
INSTANTANEOUS LOW FLOW		.14b	.06c
10 PERCENT EXCEEDS	13	10	16
50 PERCENT EXCEEDS	9.4	9.0	12
90 PERCENT EXCEEDS	7.3	6.2	9.0

a From rating curve extended above 55 ft³/s.

b Result of freezeup.

c Result of regulation.

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 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 05...	1400	8.1	106	6.9	12.0	11.6	6.9	2.4	12	1.4	5
DEC 20...	1400	9.8	--	6.5	5.0	11.2	7.7	2.7	14	1.6	11
FEB 27...	1000	9.4	--	6.4	4.0	12	6.9	2.3	13	1.5	17
MAY 08...	1030	8.5	148	7.4	9.5	11.6	9.2	2.6	14	1.6	13
AUG 08...	0900	7.0	142	7.0	19.0	8.2	6.8	2.1	13	1.3	11

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 05...	20	2.3	0.02	0.20	<0.01	<0.005	<50	<20	<20	<50
DEC 20...	21	2.4	0.08	--	--	--	<50	<20	<20	<50
FEB 27...	20	2.5	0.10	--	--	0.005	<50	<20	<20	<50
MAY 08...	20	2.0	<0.02	--	--	<0.005	<50	<20	<20	<50
AUG 08...	19	1.6	0.11	--	--	--	<50	<20	<20	<50

DATE	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
OCT 05...	<10	<20	<20	<20	<20	110	70	<20	<20	<20
DEC 20...	<10	<20	<20	<20	<20	100	70	<20	50	40
FEB 27...	<10	<20	<20	<20	<20	150	51	<20	140	100
MAY 08...	<10	<20	<20	<20	<20	230	150	<20	160	150
AUG 08...	<10	<20	<20	<20	<20	170	110	<20	70	60

DATE	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON, DIS-SOLVED (UG/L AS SI)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	THALLIUM, DIS-SOLVED (UG/L AS TL)	TITANIUM, DIS-SOLVED (UG/L AS TI)	VANADIUM, DIS-SOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 05...	<20	<20	<20	<20	3300	40	<50	<20	<20	<0.1
DEC 20...	<20	<20	<20	<20	5200	--	<50	<20	<20	--
FEB 27...	<20	<20	<20	<20	5000	40	<50	<20	<20	<0.1
MAY 08...	<20	<20	<20	<20	5000	40	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	5300	40	<50	<20	<20	<0.1

STREAMS ON LONG ISLAND

85

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

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

DRAINAGE AREA.--About 13.5 square miles.

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

REMARKS.--Partial-record discharge data included in this report.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 05...	1315	172	6.7	14.0	9.4	11	3.3	20	3	8
DEC 21...	0845	--	6.0	5.0	11	11	3.7	21	3.4	13
FEB 27...	0845	--	6.2	3.0	11.2	9.7	3.1	21	3.1	18
MAY 08...	1115	216	7.2	13.5	9	12	3.6	20	3.1	14
AUG 08...	1000	212	7.2	22.0	6.2	11	3.2	20	2.9	14

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 05...	33	2.6	0.20	0.52	0.026	0.014	<50	<20	<20	<50
DEC 21...	32	2.7	0.32	--	--	--	<50	<20	<20	<50
FEB 27...	34	3.0	0.29	--	--	--	<50	<20	<20	<50
MAY 08...	33	2.3	0.04	--	--	<0.005	<50	<20	<20	<50
AUG 08...	31	1.3	0.23	--	--	--	<50	<20	<20	50

DATE	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
OCT 05...	<10	<20	<20	<20	<20	590	450	<20	90	80
DEC 21...	<10	<20	<20	<20	<20	540	460	<20	160	140
FEB 27...	<10	<20	<20	<20	<20	440	290	<20	140	120
MAY 08...	<10	<20	<20	<20	<20	560	380	<20	190	170
AUG 08...	<10	<20	<20	<20	<20	610	400	<20	230	180

DATE	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	THALLIUM, DIS-SOLVED (UG/L AS TL)	TITANIUM DIS-SOLVED (UG/L AS TI)	VANADIUM, DIS-SOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 05...	<20	<20	<20	<20	3200	70	<50	<20	<20	<0.1
DEC 21...	<20	<20	<20	<20	5200	--	<50	<20	<20	--
FEB 27...	<20	<20	<20	<20	3600	60	<50	<20	<20	<0.1
MAY 08...	<20	<20	<20	<20	3800	<20	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	5300	70	<50	<20	<20	<0.1

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 downstream from culvert on Veterans Memorial Highway, 2.0 mi northeast of Central Islip, and 3.8 mi upstream from gaging station 01306499.

DRAINAGE AREA.--About 12 mi².

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

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 29.93 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.5	3.2	3.3	3.0	3.7	2.1	2.6	2.1	1.7	.78	.39
2	3.2	2.6	3.0	3.1	3.0	3.5	2.0	2.5	2.0	1.6	.78	.36
3	3.1	2.6	3.0	3.0	2.8	3.3	2.0	2.5	2.3	1.5	.75	.33
4	3.0	2.6	2.9	3.0	3.9	3.3	2.0	2.4	2.1	1.4	.70	.30
5	3.0	2.6	3.5	2.9	3.4	3.2	1.9	2.3	2.1	1.4	.79	.30
6	3.0	2.4	3.2	2.8	3.2	3.1	1.8	2.3	2.0	1.4	.84	.30
7	2.9	2.3	3.1	4.5	3.0	3.0	1.8	2.3	2.1	1.4	.78	.30
8	2.8	2.3	3.0	3.5	3.0	2.9	1.8	2.3	2.1	1.4	.78	.30
9	2.8	2.3	2.9	3.3	2.9	3.5	1.9	2.3	2.0	1.4	.78	.30
10	2.7	2.9	3.3	3.3	2.8	2.9	2.0	2.3	2.0	1.4	.78	.30
11	2.5	2.5	3.9	3.3	2.8	2.8	1.8	2.5	2.0	1.6	.78	.30
12	2.5	2.4	3.3	3.3	2.8	2.7	1.8	2.5	3.5	1.4	.78	.30
13	2.4	2.3	3.3	3.3	2.7	2.6	2.0	2.3	2.7	1.4	.74	.30
14	2.3	2.3	3.3	3.3	2.6	2.6	1.8	2.3	2.5	1.4	.69	.37
15	2.3	2.3	3.2	3.2	2.8	2.6	1.8	2.3	2.3	1.2	.69	.33
16	2.3	2.3	3.2	3.3	3.3	2.5	1.8	2.2	2.1	1.2	.69	.30
17	2.3	2.3	3.2	3.3	3.0	2.5	1.7	2.3	2.0	1.2	.69	1.3
18	2.1	2.5	3.2	3.2	3.0	2.5	1.7	2.4	1.9	2.0	.69	.68
19	2.1	2.8	3.0	3.2	2.9	2.5	1.8	2.3	1.8	1.2	.67	.62
20	2.1	2.5	3.0	4.0	2.8	2.5	1.9	2.3	1.7	1.1	.62	.62
21	2.1	2.7	3.0	3.7	2.8	2.5	2.0	2.3	1.7	1.1	.62	.62
22	2.0	3.0	2.9	3.4	2.8	2.5	2.1	2.2	1.7	1.0	.62	.89
23	2.3	2.8	2.9	3.3	2.7	2.4	2.1	2.1	1.7	1.1	.62	.82
24	2.6	2.6	3.7	3.3	2.9	2.3	2.1	2.1	1.7	1.0	.62	.73
25	2.5	2.6	3.4	3.2	2.8	2.3	2.1	2.3	1.9	1.4	.55	.70
26	2.6	2.5	3.2	3.2	2.7	2.2	2.1	2.7	1.8	1.1	.46	1.3
27	2.6	2.5	3.2	3.2	2.6	2.1	2.1	2.4	1.8	1.0	.41	.88
28	2.6	4.3	3.2	3.2	4.0	2.1	2.1	2.2	1.8	1.1	.41	.82
29	2.6	3.4	3.0	3.2	---	2.1	2.1	2.2	1.7	.92	.39	.78
30	2.6	3.3	3.0	3.0	---	2.1	2.2	2.3	1.7	.86	.36	.78
31	2.5	---	3.0	3.0	---	2.1	---	2.1	---	.81	.36	---
TOTAL	79.6	79.0	98.2	101.8	83.0	82.9	58.4	72.1	60.8	39.69	20.22	16.62
MEAN	2.57	2.63	3.17	3.28	2.96	2.67	1.95	2.33	2.03	1.28	.65	.55
MAX	3.2	4.3	3.9	4.5	4.0	3.7	2.2	2.7	3.5	2.0	.84	1.3
MIN	2.0	2.3	2.9	2.8	2.6	2.1	1.7	2.1	1.7	.81	.36	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1995, BY WATER YEAR (WY)

	5.48	5.76	6.27	5.94	6.17	7.01	8.20	7.78	7.69	5.95	5.68	5.17
MEAN	5.48	5.76	6.27	5.94	6.17	7.01	8.20	7.78	7.69	5.95	5.68	5.17
MAX	14.3	14.0	13.4	14.7	13.1	15.0	14.9	14.7	17.8	18.8	15.6	16.0
(WY)	1991	1991	1991	1991	1991	1991	1984	1984	1984	1984	1984	1984
MIN	.93	1.69	2.29	2.16	2.53	2.67	1.95	2.33	1.99	.94	.62	.55
(WY)	1989	1982	1983	1989	1989	1995	1995	1995	1988	1988	1988	1995

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1978 - 1995

ANNUAL TOTAL	1665.5	792.33	6.27	
ANNUAL MEAN	4.56	2.17	12.3	1984
HIGHEST ANNUAL MEAN			2.17	1995
LOWEST ANNUAL MEAN			27	Jun 2 1984
HIGHEST DAILY MEAN	11	Mar 10	4.5	Jan 7
LOWEST DAILY MEAN	2.0	Oct 22	.30a	Sep 4
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 11	.30	Sep 4
INSTANTANEOUS PEAK FLOW			9.5	Jun 12
INSTANTANEOUS PEAK STAGE			.63	Jun 12
INSTANTANEOUS LOW FLOW			.30b	Sep 3
10 PERCENT EXCEEDS	8.0		13	
50 PERCENT EXCEEDS	3.9		5.3	
90 PERCENT EXCEEDS	2.3		2.1	

a Also occurred on Sep 5-13, 16, 1995.

b Also occurred on all or part of each day Sep 4-17, 1995.

STREAMS ON LONG ISLAND

67

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 18 mi².

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

GAGE.--Water-stage recorder and wooden stoplog control. Datum of gage is 15.10 ft above sea level.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	18	17	17	e17	15	17	15	15	12	12
2	16	15	17	17	16	e16	15	17	15	15	12	11
3	16	15	17	16	16	e16	15	17	15	15	12	11
4	16	15	17	17	22	e16	15	17	15	14	11	11
5	15	15	19	16	19	e15	15	17	15	14	12	11
6	15	15	18	17	18	e15	15	16	15	14	12	11
7	15	15	18	24	17	16	15	16	15	14	12	11
8	15	15	18	19	17	16	15	16	15	14	12	11
9	15	15	17	19	17	18	15	16	15	14	12	11
10	15	19	18	18	17	16	16	16	15	14	13	11
11	15	18	24	18	17	16	15	16	15	14	13	11
12	15	17	19	18	17	16	15	16	17	14	13	11
13	15	17	19	18	16	16	16	15	16	14	13	11
14	15	17	18	17	16	16	16	15	16	14	12	11
15	15	17	18	17	16	15	16	16	15	14	12	11
16	15	17	18	18	18	15	16	15	15	13	12	11
17	15	17	18	17	18	16	16	15	15	13	12	17
18	15	17	18	17	17	15	16	16	15	15	12	15
19	15	19	18	17	17	15	16	16	15	14	12	14
20	16	18	17	20	17	15	16	16	15	13	12	13
21	16	18	17	20	17	16	16	15	15	13	12	13
22	16	19	17	18	16	15	16	15	15	13	11	14
23	16	19	17	18	17	15	16	15	15	13	11	15
24	18	19	21	18	18	15	15	15	15	13	11	14
25	16	19	20	18	18	15	15	15	15	14	11	14
26	16	19	18	17	18	15	15	16	15	13	11	17
27	16	19	18	17	18	15	15	16	15	13	12	15
28	16	21	18	17	e19	15	16	15	15	13	11	15
29	16	19	18	17	---	15	15	15	15	12	11	14
30	15	18	17	17	---	15	16	15	15	12	11	14
31	15	---	17	17	---	15	---	15	---	12	11	---
TOTAL	481	519	562	551	486	482	464	488	454	422	366	381
MEAN	15.5	17.3	18.1	17.8	17.4	15.5	15.5	15.7	15.1	13.6	11.8	12.7
MAX	18	21	24	24	22	18	16	17	17	15	13	17
MIN	15	15	17	16	16	15	15	15	15	12	11	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1995, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	23.5	25.1	28.1	28.0	28.4	31.0	33.0	30.6	29.8	25.1	24.7	22.4	23.5	21.1	19.5	18.1	17.8	17.4
MAX	43.0	38.8	37.0	45.4	49.4	52.0	48.6	44.1	46.2	47.8	43.5	37.2	43.5	40.0	37.2	34.0	32.0	30.0
(WY)	1991	1990	1990	1979	1979	1979	1983	1979	1984	1984	1979	1984	1984	1984	1984	1984	1984	1984
MIN	13.0	17.1	18.1	17.8	17.4	15.5	15.5	15.7	15.1	13.5	11.5	12.3	13.5	11.5	10.0	9.0	8.0	7.0
(WY)	1989	1988	1995	1995	1995	1995	1995	1995	1995	1988	1988	1988	1988	1988	1988	1988	1988	1988

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1978 - 1995

ANNUAL TOTAL	8122	5656	27.1
ANNUAL MEAN	22.3	15.5	39.8
HIGHEST ANNUAL MEAN			1979
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	40	Mar 11	85
LOWEST DAILY MEAN	15	Jul 12	11
ANNUAL SEVEN-DAY MINIMUM	15	Oct 5	11
INSTANTANEOUS PEAK FLOW			11
INSTANTANEOUS PEAK STAGE			154
INSTANTANEOUS LOW FLOW			2.20
10 PERCENT EXCEEDS	32	11	2.82
50 PERCENT EXCEEDS	20	18	11c
90 PERCENT EXCEEDS	16	12	40
			26
			16

a Also occurred on Jan 7.

b Also occurred on Sep 17.

c Also occurred on Aug 8-14 Sep 29 to Oct 2 1988(minimum recorded) and Aug 4,5,21 to Sep 17 1995.

e Estimated

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 west of Oakdale. Water-quality sampling sites at base and supplementary gage.

DRAINAGE AREA.--About 24 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft above sea level. Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi northeast of base gage at datum of 4.74 ft above sea level. Prior to Aug. 10, 1965, at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	29	31	34	32	42	33	40	26	26	23	25
2	30	30	32	34	31	38	32	38	26	26	22	21
3	28	21	30	31	31	38	31	37	29	24	22	22
4	28	24	28	30	45	38	32	36	27	23	22	22
5	28	27	36	29	43	36	28	34	26	22	20	20
6	28	27	36	29	34	37	27	33	26	21	26	20
7	27	24	32	43	36	35	28	32	29	21	30	22
8	26	20	28	36	37	36	30	30	29	23	27	22
9	27	21	27	33	35	40	31	33	24	23	24	22
10	26	30	31	32	35	35	32	34	24	23	23	20
11	23	28	48	32	36	33	29	36	26	25	24	18
12	24	28	42	33	34	33	30	35	38	24	24	17
13	24	27	38	32	33	32	37	33	35	24	23	19
14	24	28	37	31	33	32	36	33	33	23	24	21
15	24	28	36	33	34	33	34	33	29	22	25	16
16	25	25	35	35	37	34	33	34	25	22	25	14
17	27	27	37	33	34	35	33	36	23	24	24	30
18	29	30	41	33	32	34	32	37	23	36	24	27
19	29	33	37	38	32	33	33	37	23	29	27	22
20	28	26	35	43	33	34	32	35	22	26	25	22
21	28	29	32	48	35	35	31	33	22	25	23	21
22	27	34	31	39	36	35	32	30	23	23	18	23
23	29	26	31	33	34	34	29	27	22	24	15	26
24	31	25	35	33	37	34	30	28	24	31	19	22
25	27	27	42	33	32	34	30	27	27	32	14	24
26	25	28	37	32	30	32	30	31	28	31	17	38
27	24	28	34	31	31	32	27	30	26	28	21	32
28	24	45	33	30	41	33	29	29	26	28	21	30
29	24	39	31	31	---	33	30	30	24	27	23	30
30	23	33	29	32	---	34	30	30	24	22	21	31
31	24	---	31	33	---	34	---	27	---	21	22	---
TOTAL	819	845	1063	1049	973	1078	931	1018	789	779	698	699
MEAN	26.4	28.2	34.3	33.8	34.7	34.8	31.0	32.8	26.3	25.1	22.5	23.3
MAX	31	45	48	48	45	42	37	40	38	36	30	38
MIN	23	20	27	29	30	32	27	27	22	21	14	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	MEAN	33.8	36.2	38.4	39.3	40.4	43.6	44.2	42.0	39.9	35.9	34.6	32.8
MAX	65.2	67.3	55.2	65.1	62.3	70.3	69.7	62.2	64.1	64.3	52.1	48.6	
(WY)	1956	1956	1991	1979	1979	1979	1980	1958	1984	1984	1984	1984	1984
MIN	22.0	17.3	21.8	24.0	23.8	29.4	25.8	28.2	25.6	20.0	19.5	21.2	
(WY)	1967	1983	1967	1967	1967	1966	1966	1966	1988	1966	1966	1986	1986

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1944 - 1995

ANNUAL TOTAL	13313	10741	
ANNUAL MEAN	36.5	29.4	38.4
HIGHEST ANNUAL MEAN			52.5
LOWEST ANNUAL MEAN			24.9
HIGHEST DAILY MEAN	63	Mar 10	263
LOWEST DAILY MEAN	20	Nov 8	9.3a
ANNUAL SEVEN-DAY MINIMUM	23	Nov 3	13
10 PERCENT EXCEEDS	48		52
50 PERCENT EXCEEDS	36		37
90 PERCENT EXCEEDS	27		27

a Result of regulation. Also occurred on Nov 27 1982

b Also occurred on Jan 21.

c Also occurred on Sep 16.

STREAMS ON LONG ISLAND

69

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

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

COOPERATION. --Water-quality analyses for this station identified by an asterisk (*) were collected and analysed by Suffolk County Department of Health Services. All other analyses for this station were collected and analysed by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT										
06...	0750	14	--	6.9	9.5	--	8.3	7.8	3.6	11
*06...	0900	14	175	6.3	11.0	--	8.8	7.3	4.6	22
DEC										
*21...	1045	17	--	6.4	5.0	--	10.4	8.2	3.7	11
FEB										
*15...	0930	17	--	6.4	3.0	--	10.6	7.3	3.3	11
APR										
*25...	1015	18	--	6.9	13.0	--	12.8	7.9	3.5	11
25...	1140	18	--	7.6	12.5	767	12.0	7.7	3.3	10
AUG										
14...	1055	14	128	6.7	15.5	769	11.2	7.6	3.5	10
*14...	1215	15	129	7.8	24.0	--	6.2	7.7	3.5	11

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT										
06...	1.3	20	10	15	<0.10	12	0.014	2.3	2.3	--
*06...	1.9	--	10	39	--	--	--	2.4	--	0.04
DEC										
*21...	1.1	--	10	15	--	--	--	2.3	--	0.05
FEB										
*15...	1.4	--	10	15	--	--	--	2.4	--	0.05
APR										
*25...	1.4	--	12	16	--	--	--	2.1	--	<0.02
25...	1.3	21	9.2	14	<0.10	9.1	0.035	2.0	2.0	--
AUG										
14...	1.1	23	8.9	15	<0.10	7.4	0.021	1.8	1.8	--
*14...	1.4	--	9	12	--	--	--	1.5	--	<0.02

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT										
06...	<0.20	0.060	0.015	--	0.007	--	--	--	--	--
*06...	<0.47	--	0.107	<0.005	--	<50	<20	<20	<50	<10
DEC										
*21...	--	--	--	--	--	<50	<20	<20	<50	<10
FEB										
*15...	--	--	--	0.007	--	<50	<20	<20	<50	<10
APR										
*25...	0.19	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
25...	0.20	0.020	0.013	--	0.005	--	--	--	--	--
AUG										
14...	<0.20	0.030	0.015	--	0.005	--	--	--	--	--
*14...	--	--	--	--	--	<50	<20	<20	<50	<10

STREAMS ON LONG ISLAND
01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued
WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT 06...	--	--	--	--	150	75	--	60	54	--
*06...	<20	<20	<20	<20	160	90	<20	60	50	<20
DEC *21...	<20	<20	<20	<20	170	100	<20	80	70	<20
FEB *15...	<20	<20	<20	<20	150	80	<20	100	80	<20
APR *25...	<20	<20	<20	<20	150	120	<20	70	70	<20
*25...	--	--	--	--	190	95	--	80	74	--
AUG 14...	--	--	--	--	200	84	--	60	53	--
*14...	<20	<20	<20	<20	190	100	--	70	50	<20

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	SILICON DIS- SOLVED (UG/L AS SI)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	THAL- LIUM, DIS- SOLVED (UG/L AS TL)	TITA- NIUM, DIS- SOLVED (UG/L AS TI)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 06...	--	--	--	--	--	--	--	--	0.03
*06...	<20	<20	<20	3600	60	<50	<20	<20	<0.1
DEC *21...	<20	<20	<20	5800	--	<50	<20	<20	--
FEB *15...	<20	<20	<20	5900	60	<50	<20	<20	<0.1
APR *25...	<20	<20	<20	5000	60	<50	<20	<20	--
*25...	--	--	--	--	--	--	--	--	0.03
AUG 14...	--	--	--	--	--	--	--	--	<0.02
*14...	<20	<20	<20	3500	50	<50	<20	<20	<0.1

STREAMS ON LONG ISLAND

71

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01306495 (Supplementary gage): March 1988 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 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 06...	1015	13	126	5.9	10.0	7.0	7.3	3.4	10	1.3	7
DEC 21...	1000	15	--	6.3	5.0	9	7.8	3.8	11	1.7	11
FEB 15...	1030	17	--	6.5	3.5	10.8	7.9	3.4	11	1.4	9
APR 26...	1100	12	244	6.7	12.0	11.8	8.0	3.5	5.0	1.5	12
AUG 14...	1130	7.9	134	7.4	22.5	8.8	8.0	3.5	11	1.3	9

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 06...	16	2.5	0.06	0.29	0.040	<0.005	<50	<20	<20	<50
DEC 21...	16	2.5	0.07	--	--	--	<50	<20	<20	<50
FEB 15...	16	2.5	0.07	--	--	0.009	<50	<20	<20	<50
APR 26...	16	2.2	<0.02	0.25	<0.01	<0.005	<50	<20	<20	<50
AUG 14...	12	1.7	<0.02	--	--	--	<50	<20	<20	<50

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
OCT 06...	<10	<20	<20	<20	<20	120	70	<20	60	50
DEC 21...	<10	<20	<20	<20	<20	270	100	<20	140	110
FEB 15...	<10	<20	<20	<20	<20	150	80	<20	100	90
APR 26...	<10	<20	<20	<20	<20	110	80	<20	60	50
AUG 14...	<10	<20	<20	<20	<20	160	100	<20	60	40

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	THAL-LIUM, DIS-SOLVED (UG/L AS TL)	TITA-NIUM, DIS-SOLVED (UG/L AS TI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 06...	<20	<20	<20	<20	3600	50	<50	<20	<20	<0.1
DEC 21...	<20	<20	<20	<20	5600	--	<50	<20	<20	--
FEB 15...	<20	<20	<20	<20	5700	50	<50	<20	<20	<0.1
APR 26...	<20	<20	<20	<20	5000	60	<50	<20	<20	--
AUG 14...	<20	<20	<20	<20	4000	50	<50	<20	<20	<0.1

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

DRAINAGE AREA.--About 6.5 square miles.

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

REMARKS.--Partial-record discharge data included in this report.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 05...	1500	275	6.5	13.0	7.6	13	4.0	38	2.4	13
DEC 27...	1045	--	5.8	8.0	7	15	4.7	40	2.1	20
MAY 08...	1200	230	6.6	14.5	10	17	4.7	48	2.3	22
AUG 08...	1045	366	6.6	16.0	8.0	14	3.70	42	2.2	19

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN NITRATE TOTAL (MG/L AS N)	NITROGEN AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 05...	73	2.6	0.25	0.89	0.029	<0.005	<50	<20	<20	<50
DEC 27...	75	2.5	0.33	--	--	--	<50	<20	<20	<50
MAY 08...	85	2.4	0.20	--	--	<0.005	<50	<20	<20	<50
AUG 08...	78	2.1	0.16	--	--	--	<50	<20	<20	<50

DATE	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
OCT 05...	<10	<20	<20	<20	<20	200	90	<20	490	440
DEC 27...	<10	<20	<20	<20	<20	330	240	<20	590	560
MAY 08...	<10	<20	<20	<20	<20	260	160	<20	410	440
AUG 08...	<10	<20	<20	<20	<20	200	100	<20	400	300

DATE	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	THALLIUM, DIS-SOLVED (UG/L AS TL)	TITANIUM, DIS-SOLVED (UG/L AS TI)	VANADIUM, DIS-SOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 05...	<20	<20	<20	<20	3300	120	<50	<20	<20	<0.1
DEC 27...	<20	<20	<20	<20	5300	--	<50	<20	<20	--
MAY 08...	<20	<20	<20	<20	4600	140	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	5100	110	<50	<20	<20	<0.1

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

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

DRAINAGE AREA.--About 5 square miles.

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

REMARKS.--Partial-record discharge data included in this report.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE FIELD	PH WATER WHOLE FIELD	TEMPER- ATURE WATER	OXYGEN, DIS- SOLVED	CALCIUM DIS- SOLVED	MAGNE- SIUM, DIS- SOLVED	SODIUM, DIS- SOLVED	POTAS- SIUM, DIS- SOLVED	SULFATE DIS- SOLVED	
		(US/CM)	(STAND- ARD UNITS)	(DEG C)	(MG/L)	(MG/L AS CA)	(MG/L AS MG)	(MG/L AS NA)	(MG/L AS K)	(MG/L AS SO4)	
OCT 05...	1545	258	6.5	14.0	7.6	15	3.6	34	2.8	18	
DEC 27...	1145	--	6.0	9.0	8	16	4.2	34	2.6	24	
FEB 15...	1230	--	6.4	7.0	9.6	15	3.6	33	2.8	22	
MAY 08...	1330	325	6.8	16.0	11.6	18	3.9	35	2.7	24	
AUG 08...	1145	344	6.8	17.0	8.0	15	3.5	37	2.7	23	
DATE		CHLO- RIDE, DIS- SOLVED	NITRO- GEN NITRATE TOTAL	NITRO- GEN AMMONIA TOTAL	NITRO- GEN AM- MONIA + ORGANIC TOTAL	PHOS- PHORUS TOTAL	PHOS- PHORUS ORTHO TOTAL	ALUM- INUM, DIS- SOLVED	ANTI- MONY, DIS- SOLVED	ARSENIC DIS- SOLVED	BARIUM, DIS- SOLVED
		(MG/L AS CL)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(MG/L AS P)	(MG/L AS P)	(UG/L AS AL)	(UG/L AS SB)	(UG/L AS AS)	(UG/L AS BA)
OCT 05...	59		3.7	0.18	0.78	0.026	<0.005	<50	<20	<20	<50
DEC 27...	57		3.2	0.25	--	--	--	<50	<20	<20	<50
FEB 15...	58		3.3	0.28	--	--	<0.005	<50	<20	<20	<50
MAY 08...	59		3.1	0.15	--	--	<0.005	<50	<20	<20	<50
AUG 08...	64		3.1	0.16	--	--	--	<50	<20	<20	<50
DATE		BERYL- LIUM, DIS- SOLVED	CADMIUM DIS- SOLVED	CHRO- MIUM, DIS- SOLVED	COBALT, DIS- SOLVED	COPPER, DIS- SOLVED	IRON, TOTAL RECOV- ERABLE	IRON, DIS- SOLVED	LEAD, DIS- SOLVED	MANGA- NESE, TOTAL RECOV- ERABLE	MANGA- NESE, DIS- SOLVED
		(UG/L AS BE)	(UG/L AS CD)	(UG/L AS CR)	(UG/L AS CO)	(UG/L AS CU)	(UG/L AS FE)	(UG/L AS FE)	(UG/L AS PB)	(UG/L AS MN)	(UG/L AS MN)
OCT 05...	<10	<20	<20	<20	<20	<20	300	90	<20	550	500
DEC 27...	<10	<20	<20	<20	<20	<20	520	210	<20	830	750
FEB 15...	<10	<20	<20	<20	<20	<20	350	150	<20	890	870
MAY 08...	<10	<20	<20	<20	<20	<20	240	140	<20	460	470
AUG 08...	<10	<20	<20	<20	<20	<20	870	130	<20	1000	640
DATE		MOLYB- DENUM, DIS- SOLVED	NICKEL, DIS- SOLVED	SELE- NIUM, DIS- SOLVED	SILVER, DIS- SOLVED	SILICON DIS- SOLVED	STRON- TIUM, DIS- SOLVED	THAL- LIUM, DIS- SOLVED	TITA- NIUM DIS- SOLVED	VANA- DIUM, DIS- SOLVED	METHY- LENE BLUE ACTIVE SUB- STANCE
		(UG/L AS MO)	(UG/L AS NI)	(UG/L AS SE)	(UG/L AS AG)	(UG/L AS SI)	(UG/L AS SR)	(UG/L AS TL)	(UG/L AS TI)	(UG/L AS V)	(MG/L)
OCT 05...	<20	<20	<20	<20	<20	3200	100	<50	<20	<20	<0.1
DEC 27...	<20	<20	<20	<20	<20	5100	--	<50	<20	<20	--
FEB 15...	<20	<20	<20	<20	<20	4600	110	<50	<20	<20	<0.1
MAY 08...	<20	<20	<20	<20	<20	4500	110	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	<20	5000	100	<50	<20	<20	<0.1

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

DRAINAGE AREA.--About 23 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft above sea level. October 1944 to December 1966, water-stage recorder at site 100 ft east at datum 0.34 ft higher.

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 88 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul. 23	1915	*115	*1.82	Jul. 25	0815	91	1.54

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.4	5.4	7.6	6.4	8.3	5.4	12	3.5	4.1	1.8	2.0
2	4.5	4.2	5.2	5.6	6.3	8.1	5.2	5.8	3.5	3.4	1.7	1.9
3	4.0	4.1	4.9	5.3	5.9	7.2	5.4	5.3	4.8	3.1	1.8	1.7
4	3.8	4.0	4.6	5.6	16	7.2	6.0	5.1	3.3	2.5	2.1	1.6
5	3.7	4.1	7.9	5.3	7.3	7.2	5.6	4.9	3.1	2.4	2.3	1.6
6	3.5	4.4	5.2	5.7	5.8	7.1	5.5	5.0	3.3	2.4	2.6	1.6
7	3.5	4.2	5.1	20	5.4	6.8	5.6	4.6	4.7	2.2	2.4	1.6
8	3.5	4.5	4.4	6.6	5.1	7.1	5.7	4.6	3.7	2.2	2.4	1.6
9	3.6	4.7	4.2	6.2	5.0	15	8.4	4.6	3.3	2.2	2.4	1.7
10	3.7	7.7	11	6.1	5.2	6.9	9.8	5.6	3.5	2.0	2.5	1.5
11	3.4	4.8	9.2	6.1	5.6	6.8	5.8	6.4	3.6	4.5	2.4	1.5
12	3.2	4.7	5.1	6.1	5.2	6.4	5.6	5.7	11	2.3	2.3	1.6
13	3.3	4.7	5.0	6.1	5.0	6.3	11	5.1	4.5	2.2	2.0	1.8
14	3.6	4.4	5.2	6.1	5.0	6.2	6.5	4.6	4.4	2.0	1.8	4.0
15	3.5	4.5	4.8	6.2	6.8	6.1	5.0	4.5	4.0	1.9	2.0	1.8
16	3.5	4.7	4.7	6.6	12	6.1	4.8	4.1	3.8	1.8	2.1	1.9
17	3.3	4.8	5.6	6.5	5.2	7.6	5.1	4.7	4.0	2.0	2.1	25
18	3.3	6.2	5.5	6.2	5.0	6.4	5.3	5.1	3.8	16	1.8	3.7
19	3.5	6.9	5.2	6.1	5.0	6.0	5.8	4.7	3.9	3.0	1.7	2.5
20	3.6	5.4	5.1	18	5.1	6.2	5.8	3.8	4.0	2.7	1.8	2.3
21	3.7	6.9	5.0	7.8	5.3	8.1	6.3	3.6	7.1	2.7	2.0	2.2
22	3.7	6.5	5.2	7.0	4.6	6.9	6.3	2.9	23	2.7	1.9	9.5
23	9.1	5.4	5.5	6.8	4.5	6.5	5.8	2.5	4.3	20	1.8	6.5
24	4.6	5.0	10	6.6	6.0	6.2	6.0	2.5	4.4	4.8	1.8	2.7
25	3.7	5.0	6.0	6.5	4.7	5.3	5.7	2.8	5.1	20	1.7	2.6
26	3.8	5.0	5.5	6.6	4.8	5.0	5.3	9.8	4.1	3.2	1.8	17
27	3.8	4.7	5.7	6.5	5.5	5.1	5.3	3.3	3.7	2.7	1.9	4.4
28	4.1	21	5.7	6.4	18	5.4	5.7	3.2	3.6	4.8	1.8	3.6
29	3.9	6.3	5.3	6.0	---	5.3	5.5	6.2	3.4	2.8	2.0	3.4
30	3.9	5.8	4.7	6.2	---	5.6	6.3	11	3.5	2.2	1.8	3.1
31	3.6	---	4.9	6.2	---	5.5	---	3.6	---	1.9	1.8	---
TOTAL	120.7	169.0	176.8	218.6	181.7	209.9	181.5	157.6	145.9	132.7	62.3	117.9
MEAN	3.89	5.63	5.70	7.05	6.49	6.77	6.05	5.08	4.86	4.28	2.01	3.93
MAX	9.1	21	11	20	18	15	11	12	23	20	2.6	25
MIN	3.2	4.0	4.2	5.3	4.5	5.0	4.8	2.5	3.1	1.8	1.7	1.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1995, BY WATER YEAR (WY)

	7.21	8.20	9.40	10.2	10.8	12.4	13.3	11.6	9.88	8.57	8.05	7.27
MEAN												
MAX	22.5	19.8	14.2	19.6	16.6	20.1	23.7	20.7	24.3	21.9	20.5	16.3
(WY)												
1991	1956	1984	1978	1979	1958	1983	1989	1989	1975	1989	1989	1989
MIN	3.89	4.30	4.23	5.13	5.77	6.77	5.98	5.08	4.70	3.38	2.01	3.79
(WY)	1995	1951	1966	1981	1947	1995	1966	1995	1986	1966	1995	1986

STREAMS ON LONG ISLAND

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01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1945 - 1995
ANNUAL TOTAL	3018.9	1874.6	
ANNUAL MEAN	8.27	5.14	9.71
HIGHEST ANNUAL MEAN			15.4
LOWEST ANNUAL MEAN			5.14
HIGHEST DAILY MEAN	49 Jan 28	25 Sep 17	93 Oct 13 1990
LOWEST DAILY MEAN	2.6 Jul 22	1.5a Sep 10	1.5a Sep 10 1995a
ANNUAL SEVEN-DAY MINIMUM	2.9 Jul 29	1.6 Sep 5	1.6 Sep 5 1995
INSTANTANEOUS PEAK FLOW		115b Jul 23	212b Oct 13 1990
INSTANTANEOUS PEAK STAGE		1.82 Jul 23	3.28 Feb 7 1971
INSTANTANEOUS LOW FLOW		1.1c Sep 10	1.1c Sep 10 1995
10 PERCENT EXCEEDS	15	7.2	16
50 PERCENT EXCEEDS	6.3	4.8	8.6
90 PERCENT EXCEEDS	3.4	2.0	4.7

a Also occurred on Sep 11 1995.

b From rating curve extended above 110 ft³/s.

c Result of regulation.

STREAMS ON LONG ISLAND
01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued
WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 06...	1140	3.5	180	6.0	12.0	7.4	13	2.9	19	2.5	18
DEC 27...	1300	5.7	--	6.0	10.0	7	12	3.4	19	2.5	24
FEB 14...	1130	4.7	--	6.3	6.0	7.8	--	3.1	20	2.7	24
APR 25...	1230	5.0	346	6.4	15.5	12.6	14	3.1	20	2.7	25
AUG 08...	1245	2.4	215	6.6	18.0	4.9	14	2.8	20	2.5	22

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 06...	31	2.2	0.54	0.32	0.10	<0.005	<50	<20	<20	<50
DEC 27...	30	2.0	0.76	--	--	--	<50	<20	<20	<50
FEB 14...	33	2.0	1.1	--	--	0.009	<50	<20	<20	<50
APR 25...	30	1.9	0.58	0.80	<0.01	<0.005	<50	<20	<20	<50
AUG 08...	30	1.7	0.36	--	--	--	<50	<20	<20	<50

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
OCT 06...	<10	<20	<20	<20	<20	510	290	<20	570	530
DEC 27...	<10	<20	<20	<20	<20	540	420	<20	970	940
FEB 14...	<10	<20	<20	<20	<20	790	570	<20	1200	1100
APR 25...	<10	<20	<20	<20	<20	680	390	<20	750	770
AUG 08...	<10	<20	<20	<20	<20	880	660	<20	760	740

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	THAL-LIUM, DIS-SOLVED (UG/L AS TL)	TITA-NIUM, DIS-SOLVED (UG/L AS TI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 06...	<20	<20	<20	<20	2800	70	<50	<20	<20	<0.1
DEC 27...	<20	<20	<20	<20	4400	--	<50	<20	<20	--
FEB 14...	<20	<20	<20	<20	4600	80	<50	<20	<20	<0.1
APR 25...	<20	<20	<20	<20	3900	70	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	4300	70	<50	<20	<20	<0.1

STREAMS ON LONG ISLAND

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01308500 CARLLS RIVER AT BABYLON, NY

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

DRAINAGE AREA.--About 35 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area. 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 above sea level.

REMARKS.--No estimated daily discharges. Records good. Occasional regulation at outlet of Southards Pond.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	16	19	15	27	13	25	12	9.9	7.6	3.8
2	14	13	15	17	14	20	13	18	13	11	6.8	3.6
3	12	9.6	14	15	14	18	13	16	13	9.3	6.5	3.5
4	11	11	14	15	26	18	13	14	12	8.4	6.6	3.5
5	11	9.3	19	14	22	17	12	14	11	8.2	6.9	3.5
6	12	9.4	19	14	18	17	12	13	11	8.1	7.4	3.6
7	11	9.2	16	41	15	17	13	12	12	7.7	6.9	3.5
8	11	9.1	15	25	14	17	12	11	11	7.5	6.3	3.6
9	11	9.4	14	19	13	30	15	11	9.8	7.3	6.1	3.7
10	11	17	18	18	13	20	20	13	9.7	7.0	6.1	3.6
11	10	13	36	17	15	18	14	14	9.5	12	5.9	3.1
12	10	11	21	17	15	17	13	13	13	13	5.8	3.1
13	10	11	18	17	14	17	27	12	12	7.4	5.6	3.4
14	10	11	17	17	14	16	20	12	11	6.7	5.0	5.6
15	10	11	16	17	15	16	16	12	10	6.5	4.9	4.6
16	9.6	10	16	17	31	16	15	12	9.3	6.5	5.0	4.0
17	9.7	11	16	16	20	18	14	12	8.9	6.6	5.0	3.3
18	10	12	19	15	17	17	13	14	8.5	21	4.6	19
19	9.8	16	16	14	16	16	13	13	8.2	11	4.2	9.2
20	10	12	15	29	16	16	13	12	8.2	8.1	4.2	7.6
21	10	13	14	28	16	17	13	11	8.6	7.5	4.3	7.1
22	9.8	16	14	20	16	17	14	11	27	7.4	4.1	11
23	14	13	16	18	15	15	13	10	14	14	3.9	23
24	20	11	31	17	15	15	13	9.8	9.8	25	4.9	10
25	14	11	24	16	16	14	13	11	12	28	4.2	8.5
26	12	11	18	16	15	13	12	21	11	17	3.9	24
27	11	11	16	16	14	13	12	14	11	11	4.0	12
28	11	41	14	15	30	13	12	12	10	13	3.9	9.2
29	11	25	14	15	---	13	12	13	9.6	11	3.9	8.0
30	11	18	14	15	---	13	13	26	9.4	9.0	3.7	7.8
31	12	---	14	15	---	13	---	14	---	7.6	3.5	---
TOTAL	351.9	399.0	539	564	476	524	421	425.8	335.5	333.7	161.7	249.1
MEAN	11.4	13.3	17.4	18.2	17.0	16.9	14.0	13.7	11.2	10.8	5.22	8.30
MAX	20	41	36	41	31	30	27	26	27	28	7.6	33
MIN	9.6	9.1	14	14	13	13	12	9.8	8.2	6.5	3.5	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1995, BY WATER YEAR (WY)

	MEAN	20.7	24.1	27.0	28.3	29.6	32.8	33.7	29.9	25.8	22.0	21.5	19.8
MAX	52.0	50.3	48.8	55.8	49.3	54.5	64.3	53.8	50.7	49.6	40.7	36.4	
(WY)	1991	1956	1978	1978	1979	1979	1983	1989	1989	1984	1990	1960	
MIN	10.5	11.3	12.3	13.6	15.1	16.9	13.2	13.7	11.2	8.57	5.22	8.30	
(WY)	1966	1966	1966	1966	1967	1995	1966	1995	1995	1966	1995	1995	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1945 - 1995

ANNUAL TOTAL	7431.7	4780.7	
ANNUAL MEAN	20.4	13.1	26.2
HIGHEST ANNUAL MEAN			39.9
LOWEST ANNUAL MEAN			13.1
HIGHEST DAILY MEAN	80	Jan 28	205
LOWEST DAILY MEAN	8.5	Jul 13	3.1a
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 11	3.4
INSTANTANEOUS PEAK FLOW			300b
INSTANTANEOUS PEAK STAGE			2.39
INSTANTANEOUS LOW FLOW			.05c
10 PERCENT EXCEEDS	33	19	40
50 PERCENT EXCEEDS	18	13	24
90 PERCENT EXCEEDS	10	5.9	14

a Also occurred on Sep 12, 1995

b From rating curve extended above 190 ft³/s.

c Result of regulation. Also occurred on Jul 6 1966 and Aug 29 1972.

d Result of freezeup. Also occurred on Feb 6.

STREAMS ON LONG ISLAND

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

COOPERATION. --Water-quality analyses for this station identified by an asterisk (*) were collected and analysed by Suffolk County Department of Health Services. All other analyses for this station were collected and analysed by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT										
06...	0930	12	--	--	--	--	--	12	3.2	18
*06...	1330	12	162	6.6	13.0	--	8.8	11	2.8	18
DEC										
*27...	1445	16	--	6.6	6.0	--	9.6	12	3.2	18
FEB										
*14...	1230	14	--	6.5	2.5	--	12.2	13	3.1	24
APR										
25...	0940	13	--	6.9	10.5	767	9.7	13	3.0	18
*25...	1345	12	--	6.7	15.0	--	9.8	14	3.2	20
AUG										
14...	1215	5.1	167	8.3	20.0	767	12.9	9.8	2.6	17
*14...	1330	5.1	176	9.6	30.0	--	8.6	9.5	2.7	17

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN NITRATE TOTAL (MG/L AS N)	NITRO- GEN NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN AMMONIA TOTAL (MG/L AS N)
OCT										
06...	2.7	16	24	24	<0.10	6.8	0.024	2.3	2.3	--
*06...	2.8	--	22	25	--	--	--	2.4	--	0.40
DEC										
*27...	2.8	--	28	25	--	--	--	2.0	--	1.1
FEB										
*14...	3.1	--	30	34	--	--	--	2.4	--	1.2
APR										
25...	2.9	16	26	24	<0.10	6.6	0.032	2.3	2.3	--
*25...	3.2	--	31	26	--	--	--	2.2	--	0.58
AUG										
14...	2.2	18	22	23	<0.10	7.7	0.013	0.60	0.61	--
*14...	2.6	--	26	21	--	--	--	0.3	--	<0.02

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT										
06...	0.6	0.39	0.012	--	0.002	--	--	--	--	--
*06...	1.0	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
DEC										
*27...	--	--	--	--	--	<50	<20	<20	<50	<10
FEB										
*14...	--	--	--	<0.005	--	<50	<20	<20	<50	<10
APR										
25...	1.0	0.64	0.017	--	0.002	--	--	--	--	--
*25...	1.0	--	<0.01	<0.005	--	<50	<20	<20	<50	<10
AUG										
14...	0.4	0.40	0.029	--	0.008	--	--	--	--	--
*14...	--	--	--	--	--	<50	<20	<20	<50	<10

STREAMS ON LONG ISLAND

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01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
OCT 06...	--	--	--	--	320	110	--	570	570	--
*06...	<20	<20	<20	<20	390	140	<20	600	470	<20
DEC *27...	<20	<20	<20	<20	490	260	<20	940	870	<20
FEB *14...	<20	<20	<20	<20	440	190	<20	1100	1100	<20
APR 25...	--	--	--	--	810	100	--	1100	940	--
*25...	<20	<20	<20	<20	480	160	<20	1000	1000	<20
AUG 14...	--	--	--	--	1000	520	--	910	550	--
*14...	<20	<20	<20	<20	1200	520	<20	1100	460	<20

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	SILICON DIS- SOLVED (UG/L AS SI)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	THAL- LIUM, DIS- SOLVED (UG/L AS TL)	TITA- NIUM, DIS- SOLVED (UG/L AS TI)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 06...	--	--	--	--	--	--	--	--	0.05
*06...	<20	<20	<20	2100	70	<50	<20	<20	<0.1
DEC *27...	<20	<20	<20	3800	--	<50	<20	<20	--
FEB *14...	<20	<20	<20	4100	80	<50	<20	<20	<0.1
APR 25...	--	--	--	--	--	--	--	--	0.05
*25...	<20	<20	<20	3600	80	<50	<20	<20	--
AUG 14...	--	--	--	--	--	--	--	--	0.03
*14...	<20	<20	<20	3900	60	<50	<20	<20	<0.1

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

DRAINAGE AREA.--About 7 square miles.

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

REMARKS.--Partial-record discharge data included in this report.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)	SULFATE DIS-SOLVED (MG/L AS SO4)	
OCT 06...	1230	259	6.1	12.5	4.0	21	4.0	28	5.4	29	
DEC 27...	1400	--	6.1	9.0	4.8	23	4.6	27	4.8	35	
FEB 14...	1030	--	6.3	6.0	6.2	21	4.1	28	3.8	36	
MAY 08...	1430	378	6.5	15.0	5.2	31	3.6	28	8.9	50	
AUG 08...	1345	295	6.5	17.0	3.8	18	3.1	27	3.5	31	
DATE		CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 06...	49	1.3	1.5	0.96	0.037	0.008	<50	<20	<20	<20	60
DEC 27...	46	0.8	1.2	--	--	--	<50	<20	<20	<20	50
FEB 14...	47	1.2	<0.02	--	--	<0.005	<50	<20	<20	<20	50
MAY 08...	55	1.2	1.0	--	--	<0.005	<50	<20	<20	<20	60
AUG 08...	43	1.6	1.1	--	--	--	<50	<20	<20	<20	50
DATE		BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
OCT 06...	<10	<20	<20	<20	<20	<20	750	490	<20	1700	1700
DEC 27...	<10	<20	<20	<20	<20	<20	1300	750	<20	2000	1900
FEB 14...	<10	<20	<20	<20	<20	<20	1200	440	<20	1900	1800
MAY 08...	<10	<20	<20	<20	<20	<20	1200	310	<20	1300	1200
AUG 08...	<10	<20	<20	<20	<20	<20	770	340	<20	1200	1100
DATE		MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	THALLIUM, DIS-SOLVED (UG/L AS TL)	TITANIUM, DIS-SOLVED (UG/L AS TI)	VANADIUM, DIS-SOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 06...	<20	<20	<20	<20	<20	3200	170	<50	<20	<20	<0.1
DEC 27...	<20	<20	<20	<20	<20	5000	--	<50	<20	<20	--
FEB 14...	<20	<20	<20	<20	<20	4600	130	<50	<20	<20	<0.1
MAY 08...	<20	<20	<20	<20	<20	4400	280	<50	<20	<20	--
AUG 08...	<20	<20	<20	<20	<20	4700	110	<50	<20	<20	<0.1

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

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft above sea level. Prior to October 1903, non-recording gage at different datum. December 1936 to March 1961, at datum 1.0 ft higher.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 110 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 20	1345	*36	*1.1				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.7	1.9	3.6	2.3	4.5	2.3	5.6	2.2	1.6	.74	.32
2	2.1	1.4	1.7	3.0	2.3	3.5	2.3	3.6	1.7	1.3	.67	.32
3	2.0	1.5	1.7	2.4	2.3	3.3	2.2	2.8	1.5	1.3	.83	.41
4	1.8	1.5	1.7	2.3	5.0	3.3	2.0	2.3	1.5	1.3	.83	.48
5	1.5	1.5	3.5	2.3	3.9	3.0	2.0	2.3	1.5	1.3	.83	.48
6	1.5	1.5	2.6	2.2	2.9	2.6	2.0	2.3	1.5	1.3	.83	.48
7	2.0	1.8	2.1	13	2.6	2.6	2.0	2.3	2.0	1.3	.83	.48
8	2.0	1.7	1.9	3.9	2.6	2.8	2.1	2.3	1.7	1.3	.76	.40
9	2.0	1.5	1.7	3.4	2.6	10	3.2	2.3	1.5	1.3	.66	.48
10	2.0	3.3	5.2	3.0	2.6	3.8	3.7	2.4	1.5	1.3	.66	.41
11	2.0	1.7	7.6	2.6	2.6	3.4	2.4	2.5	1.5	2.8	.66	.32
12	2.0	1.5	3.4	2.6	2.6	3.3	2.4	2.3	1.7	1.2	.66	.32
13	1.7	1.5	2.7	2.6	2.6	3.0	8.5	2.3	1.9	.83	.57	.32
14	1.5	1.4	2.6	2.4	2.6	2.6	4.0	2.3	1.5	.83	.48	.54
15	1.5	1.3	2.4	2.3	3.2	2.6	3.0	2.3	1.5	.83	.48	.48
16	1.5	1.3	2.3	2.6	6.5	2.6	2.5	2.3	1.5	1.3	.63	.48
17	1.5	1.3	2.6	2.5	3.0	3.5	2.5	2.4	1.5	1.3	.66	7.1
18	1.5	2.0	2.7	2.3	2.6	3.1	2.3	2.5	1.4	2.3	.58	1.1
19	1.6	2.0	2.4	2.3	2.5	2.6	2.6	2.9	1.0	.75	.48	.85
20	2.5	1.5	2.3	11	2.3	2.6	2.4	2.4	1.0	.66	.48	.66
21	2.5	2.2	2.3	4.3	2.3	3.1	2.6	2.2	1.8	.66	.48	.66
22	2.7	2.2	2.3	3.4	2.3	3.3	2.5	2.0	6.4	.66	.48	4.9
23	5.0	1.5	2.4	3.3	2.3	2.7	2.3	2.0	1.8	1.6	.48	3.4
24	2.9	1.5	14	2.8	3.5	2.6	2.3	2.0	3.3	1.6	.48	.98
25	2.3	1.4	4.2	2.6	2.7	2.6	2.3	2.5	3.1	7.1	.48	.89
26	2.3	1.3	3.4	2.6	2.6	2.6	2.3	3.8	1.9	1.5	.48	2.9
27	2.6	1.3	2.7	2.6	2.3	2.6	2.3	2.1	1.7	1.1	.48	.78
28	2.3	11	2.6	2.6	9.2	2.5	2.3	2.0	1.5	3.4	.48	.59
29	2.0	3.2	2.4	2.4	---	2.3	2.3	3.0	1.3	1.1	.45	.59
30	2.0	2.3	2.3	2.3	---	2.3	2.9	9.1	1.3	.83	.32	.66
31	2.0	---	2.3	2.3	---	2.3	---	2.7	---	.83	.32	---
TOTAL	64.9	60.8	95.9	103.5	86.8	97.6	80.5	85.8	55.2	46.48	18.25	32.78
MEAN	2.09	2.03	3.09	3.34	3.10	3.15	2.68	2.77	1.84	1.50	.59	1.09
MAX	5.0	1.1	14	13	9.2	10	8.5	9.1	6.4	7.1	.83	7.1
MIN	1.5	1.3	1.7	2.2	2.3	2.3	2.0	2.0	1.0	.66	.32	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

[illegible]

STREAMS ON LONG ISLAND

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1937 - 1995
ANNUAL TOTAL	1530.0	828.51	
ANNUAL MEAN	4.19	2.27	10.3
HIGHEST ANNUAL MEAN			19.4
LOWEST ANNUAL MEAN			2.27
HIGHEST DAILY MEAN	76 Jan 28	14 Dec 24	191 Jan 21 1979
LOWEST DAILY MEAN	1.0 Sep 6	.32a Aug 30	.32a Aug 30 1995
ANNUAL SEVEN-DAY MINIMUM	1.0 Sep 6	.37 Aug 28	.37 Aug 28 1995
INSTANTANEOUS PEAK FLOW		36 Jan 20	510b Jul 29 1980
INSTANTANEOUS PEAK STAGE		1.11 Jan 20	2.40 Jul 29 1980
INSTANTANEOUS LOW FLOW		.32c Aug 29	.32c Aug 29 1995
10 PERCENT EXCEEDS	7.7	3.4	19
50 PERCENT EXCEEDS	2.7	2.3	8.4
90 PERCENT EXCEEDS	1.4	.65	3.1

a Also occurred on Aug 31 to Sep 2, 11-13, 1995.

b From rating curve extended above 200 ft³/s.

c Also occurred on Aug 30 to Sep 3, 8, 10-14, 1995.

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 13...	0810	1.7	243	6.5	6.0	--	7.6	18	3.4
JAN 31...	1120	2.3	261	6.3	5.0	765	9.0	18	3.4
AUG 01...	1040	.66	266	6.2	15.5	--	8.8	18	3.4

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2-N03 DIS-SOLVED (MG/L AS N)
OCT 13...	24	2.8	22	26	40	<0.10	8.5	0.028	2.5
JAN 31...	25	5.2	21	24	43	<0.10	9.3	0.011	2.6
AUG 01...	25	2.9	26	23	41	<0.10	4.3	0.026	1.4

DATE	NITRO-GEN AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 13...	0.29	0.50	0.033	0.001	260	68	700	620	0.03
JAN 31...	0.43	0.50	0.16	0.004	340	52	730	710	0.03
AUG 01...	0.10	0.30	0.014	0.002	250	86	430	430	0.02

STREAMS ON LONG ISLAND

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01309680 SEAFORD CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°40'06", long 73°28'55", Nassau County, Hydrologic Unit 02030202, on left bank 15 ft downstream from concrete foot bridge, in Tackapausha Preserve in Massapequa.

DRAINAGE AREA.--About 3.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements 1989, 1991. March 1992 to March 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 3.0 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges; which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.45	.56	.97	.52	e1.2	---	---	---	---	---	---
2	.40	.45	.55	.66	.51	e.90	---	---	---	---	---	---
3	.34	.44	.53	.59	.50	e.85	---	---	---	---	---	---
4	.32	.41	.53	.59	1.0	e.80	---	---	---	---	---	---
5	.30	.42	1.2	.52	.87	e.80	---	---	---	---	---	---
6	.30	.45	.69	.52	.65	e.80	---	---	---	---	---	---
7	.29	.41	.63	2.5	.58	e.80	---	---	---	---	---	---
8	.30	.41	.64	.55	.55	e.80	---	---	---	---	---	---
9	.30	.41	.58	.55	.54	e2.5	---	---	---	---	---	---
10	.29	.86	1.8	.52	.55	e1.0	---	---	---	---	---	---
11	.28	.43	1.8	.51	.56	e.95	---	---	---	---	---	---
12	.28	.41	.77	.54	.56	e.90	---	---	---	---	---	---
13	.28	.40	.74	.54	.60	e.90	---	---	---	---	---	---
14	.29	.39	.74	.53	.60	e.85	---	---	---	---	---	---
15	.28	.41	.73	.55	.75	e.85	---	---	---	---	---	---
16	.29	.40	.73	.62	1.7	e.90	---	---	---	---	---	---
17	.33	.39	.89	.55	.84	e1.1	---	---	---	---	---	---
18	.54	.58	.83	.52	.77	e1.0	---	---	---	---	---	---
19	.34	.57	.69	.53	.75	e.90	---	---	---	---	---	---
20	.31	.43	.64	1.4	.75	e.90	---	---	---	---	---	---
21	.31	.59	.64	.74	.74	e1.0	---	---	---	---	---	---
22	.31	.57	.70	.55	.71	e1.0	---	---	---	---	---	---
23	.91	.46	.94	.52	.71	e.90	---	---	---	---	---	---
24	.46	.42	3.4	.53	1.0	e.90	---	---	---	---	---	---
25	.38	.44	.85	.53	.72	e.90	---	---	---	---	---	---
26	.36	.39	.73	.52	.68	e.90	---	---	---	---	---	---
27	.38	.35	.80	.52	.70	e.80	---	---	---	---	---	---
28	.38	3.1	.74	.52	2.9	e.80	---	---	---	---	---	---
29	.40	.76	.64	.51	---	e.80	---	---	---	---	---	---
30	.42	.60	.59	.52	---	e.70	---	---	---	---	---	---
31	.43	---	.58	.52	---	e.70	---	---	---	---	---	---
TOTAL	11.25	16.80	26.88	20.24	22.31	29.10	---	---	---	---	---	---
MEAN	.36	.56	.87	.65	.80	.94	---	---	---	---	---	---
MAX	.91	3.1	3.4	2.5	2.9	2.5	---	---	---	---	---	---
MIN	.28	.35	.53	.51	.50	.70	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

MEAN	.60	.97	1.37	1.42	1.06	1.78	1.56	1.07	.84	.58	.73	.61
MAX	.75	1.36	1.86	2.18	1.19	2.30	1.99	1.30	.98	.78	1.12	.63
(WY)	1994	1993	1993	1994	1993	1993	1993	1994	1993	1992	1992	1994
MIN	.36	.56	.87	.65	.80	.94	1.00	.87	.55	.46	.46	.58
(WY)	1995	1995	1995	1995	1995	1995	1992	1993	1994	1994	1993	1992

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

WATER YEARS 1992 - 1995

ANNUAL TOTAL	381.24		
ANNUAL MEAN	1.04		
HIGHEST ANNUAL MEAN		1.17	
LOWEST ANNUAL MEAN		1.19	1993
HIGHEST DAILY MEAN		1.16	1994
LOWEST DAILY MEAN	17	Jan 28	1994
ANNUAL SEVEN-DAY MINIMUM	.28c	Oct 11	1994
INSTANTANEOUS PEAK FLOW	.28	Oct 10	1994
INSTANTANEOUS PEAK STAGE	36	Nov 23	1992
INSTANTANEOUS LOW FLOW	3.34a	Dec 11	1992
10 PERCENT EXCEEDS	.27b	Jul 23	1993
50 PERCENT EXCEEDS	2.0		
90 PERCENT EXCEEDS	.74		
	.33		

a Result of high tide.

b Also occurred on Jul 24, 25, 26, 30, 31, Aug 3, 4, 1993.

c Also occurred on Oct 12, 13, 15, 1994.

e Estimated

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

WATER-DISCHARGE RECORDS

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

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi above station, and prior to November 1953 by Browning Pond, 0.5 mi above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.2	1.5	2.6	1.8	2.9	1.9	2.8	1.4	.76	.37	.00
2	1.6	1.4	1.7	2.0	1.8	2.5	1.8	1.7	1.3	.85	.34	.00
3	1.4	2.8	1.5	1.8	1.8	2.3	1.8	1.5	1.2	.72	.31	.00
4	1.4	3.9	1.2	1.8	3.2	2.3	2.1	1.5	1.2	.64	.29	.00
5	1.2	3.3	2.7	1.7	2.9	2.3	1.9	1.6	1.2	.55	.26	.00
6	1.2	2.8	1.5	1.5	3.2	2.3	2.0	1.4	1.2	.55	.29	.00
7	1.2	2.5	1.4	8.2	e2.1	2.3	2.0	1.2	1.5	.55	.27	.00
8	1.2	2.4	1.3	2.4	e2.1	3.1	1.8	1.2	1.2	.53	.21	.00
9	1.2	1.1	1.2	2.2	e2.2	8.5	2.7	1.1	.96	.48	.09	.00
10	1.2	2.2	4.6	2.0	e2.0	3.0	2.8	1.2	.83	.45	.01	.00
11	1.1	1.4	3.2	2.0	e2.0	3.0	1.9	1.4	.83	.84	.00	.00
12	1.0	1.2	1.9	2.0	e2.2	2.9	2.0	1.3	1.0	.53	.00	.00
13	1.0	1.3	1.8	2.0	2.1	2.7	6.2	1.2	1.1	.48	.00	.00
14	1.0	1.2	1.8	2.0	2.0	2.5	2.4	1.2	.91	.44	.00	.00
15	1.0	1.2	1.5	1.9	2.1	2.5	2.1	1.4	.88	.42	.00	.00
16	1.0	1.1	1.6	2.0	3.0	2.9	2.0	1.4	.83	.42	.00	.00
17	1.0	1.1	1.7	1.9	2.3	3.6	2.1	1.4	.79	.37	.00	3.6
18	1.0	1.4	1.8	1.8	2.2	2.9	1.8	1.5	.72	1.6	.00	.01
19	1.0	1.6	1.5	1.8	2.0	2.7	1.8	1.6	.64	.51	.00	.00
20	1.0	1.2	1.4	10	2.0	2.5	1.8	1.2	.55	.41	.00	.00
21	1.0	1.6	1.4	3.0	2.1	2.8	1.8	1.0	.54	.35	.00	.00
22	1.2	2.0	1.4	2.6	2.0	2.7	1.8	.88	1.0	.35	.00	4.6
23	3.2	2.6	1.6	2.3	2.1	2.5	1.5	.86	.73	.42	.00	1.0
24	1.5	2.0	9.7	2.3	2.6	2.4	1.6	.83	.83	.48	.00	.31
25	1.1	1.1	2.6	2.1	2.1	2.4	1.4	.88	1.2	5.6	.00	.20
26	1.1	.88	2.3	2.0	2.0	2.2	1.3	1.8	.98	.74	.00	.77
27	1.1	.85	2.0	2.0	2.0	2.0	1.3	1.1	.91	.58	.00	.48
28	1.1	5.8	2.0	2.0	5.7	2.0	1.4	.98	.83	1.4	.00	.37
29	1.2	1.8	2.0	1.8	---	2.0	1.5	3.1	.79	.66	.00	.29
30	1.2	1.5	1.9	1.8	---	2.0	1.6	5.7	.73	.52	.00	.20
31	1.2	---	2.0	1.8	---	2.0	---	1.6	---	.44	.00	---
TOTAL	38.4	56.43	65.7	77.3	65.6	84.7	60.1	47.53	28.78	23.64	2.44	11.83
MEAN	1.24	1.88	2.12	2.49	2.34	2.73	2.00	1.53	.96	.76	.079	.39
MAX	3.2	5.8	9.7	10	5.7	8.5	6.2	5.7	1.5	5.6	.37	4.6
MIN	1.0	.85	1.2	1.5	1.8	2.0	1.3	.83	.54	.35	.00	.0

[illegible]

STREAMS ON LONG ISLAND

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01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1937 - 1995
ANNUAL TOTAL	1036.07	562.45	
ANNUAL MEAN	2.84	1.54	9.11
HIGHEST ANNUAL MEAN			19.7
LOWEST ANNUAL MEAN			1.54
HIGHEST DAILY MEAN	63 Jan 28	10 Jan 20	162 Sep 12 1960
LOWEST DAILY MEAN	.75 Aug 4	.00 Many days	.00a Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	.89 Jul 29	.00 Many Days	.00 Aug 11 1995
10 PERCENT EXCEEDS	4.9	2.7	17
50 PERCENT EXCEEDS	1.8	1.4	7.4
90 PERCENT EXCEEDS	1.0	.00	2.3

a Also occurred on Jul 25 1986, Aug 11-Sep 16, 19-21, 1995
e Estimated.

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 18...	0830	1.0	288	6.7	11.0	766	8.3	20	3.8
JAN 25...	1320	.75	306	6.8	7.5	767	9.8	20	3.8
AUG 01...	0840	.26	224	6.2	17.0	--	7.2	14	3.0

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 18...	33	2.5	34	24	48	<0.10	7.7	0.013	1.7
JAN 25...	30	2.3	35	23	48	<0.10	8.7	0.006	2.5
AUG 01...	22	2.0	31	18	31	<0.10	3.3	0.003	0.090

DATE	NITRO- GEN AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 18...	0.12	0.30	0.025	0.002	500	130	260	250	0.04
JAN 25...	0.080	<0.20	0.006	0.010	220	81	320	310	<0.02
AUG 01...	0.060	0.30	0.068	<0.001	620	130	230	210	0.02

STREAMS ON LONG ISLAND

01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.45 ft above sea level. Prior to October 1885, determinations of flow by various methods at different site and datum. June to October 1903, weir in swamp at head of Brooklyn waterworks supply pond. January 1937 to November 1962, water-stage recorder and concrete control at site 81 ft east at datum 0.47 ft higher.

REMARKS --Records good except those below 5 ft³/s, which are fair, and those for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul. 18	-	*328	*2.02	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.0	e.80	1.5	2.9	2.4	4.6	3.0	6.0	2.5	e.80	.22	.00
2	e1.8	e.70	1.3	2.1	2.3	3.7	3.0	4.0	2.2	e.70	.13	.00
3	e1.8	e.70	1.3	1.7	2.2	3.3	2.9	3.5	2.1	e.60	.09	.00
4	e1.6	e.60	1.3	1.7	4.5	3.2	2.7	3.1	1.9	e.55	.10	.00
5	e1.6	e.60	3.9	1.7	3.8	3.0	2.6	3.0	1.7	e.55	.07	.00
6	e1.4	e.60	2.4	1.6	3.0	3.0	2.4	2.9	1.6	e.50	.15	.00
7	e1.4	e.60	1.7	9.7	2.7	3.0	2.6	2.7	3.8	e.50	.15	.00
8	e1.4	.68	1.7	3.2	2.7	3.9	2.7	2.6	1.9	e.45	.10	.00
9	e1.2	.72	1.5	2.5	2.5	19	3.7	2.7	1.4	e.45	.04	.00
10	e1.2	2.4	3.7	2.4	2.6	4.7	4.8	2.7	1.3	e.40	.00	.00
11	e1.2	1.2	5.4	2.2	2.7	3.9	2.8	3.0	1.3	e1.0	.00	.00
12	e1.0	.93	2.5	2.2	2.5	3.7	2.8	2.7	1.8	e.50	.00	.00
13	e1.0	.83	2.1	2.2	2.3	3.7	8.6	2.4	2.1	e.40	.00	.00
14	e1.0	.72	1.9	2.1	2.2	3.6	4.4	2.4	1.6	e.35	.00	.00
15	e1.0	.72	1.7	2.0	2.5	3.6	3.5	2.4	1.4	e.30	.00	.00
16	e1.0	.72	1.6	2.5	5.1	3.6	3.2	2.1	1.2	e.35	.00	.00
17	e1.0	.78	1.8	2.1	3.1	3.9	3.0	2.1	1.1	e1.0	.00	1.3
18	e1.0	1.2	2.1	1.9	2.8	3.6	2.9	2.5	.93	e20	.00	.10
19	e1.0	1.6	1.8	1.9	2.7	3.3	2.7	2.8	.85	e1.0	.00	.00
20	e1.0	.93	1.5	21	2.7	3.0	2.7	2.2	.79	e.30	.00	.00
21	e1.0	1.0	1.5	6.1	2.6	3.7	2.6	1.9	.66	e.30	.00	.00
22	e1.5	1.5	1.5	3.8	2.4	3.4	2.7	1.8	e7.0	e.30	.00	3.5
23	e4.0	1.0	1.4	3.3	2.4	3.0	2.4	1.7	e1.0	e.40	.00	1.8
24	e1.5	.85	21	2.8	3.3	3.0	2.4	1.7	e.90	e.90	.00	.17
25	e1.0	.81	4.7	2.7	2.8	3.0	2.4	1.8	e2.0	e6.0	.00	.11
26	e1.0	.72	3.0	2.7	2.4	3.0	2.3	3.1	e1.5	e1.0	.00	1.0
27	e1.5	.72	2.5	2.7	2.4	3.0	2.2	1.9	e1.0	e.50	.00	.36
28	e1.0	7.7	2.3	2.6	7.2	3.0	2.2	1.6	e.90	e2.0	.00	.10
29	e.90	2.4	2.1	2.4	---	3.0	2.2	6.5	e.80	e.60	.00	.03
30	e.90	1.7	1.9	2.5	---	3.1	2.5	12	e.70	e.40	.00	.02
31	e.80	---	1.9	2.4	---	3.0	---	3.2	---	e.30	.00	---
TOTAL	40.70	36.43	86.5	103.6	82.8	121.5	90.9	95.0	49.93	43.40	1.05	8.49
MEAN	1.31	1.21	2.79	3.34	2.96	3.92	3.03	3.06	1.66	1.40	.034	.28
MAX	4.0	7.7	21	21	7.2	19	8.6	12	7.0	20	.22	3.5
MIN	.80	.60	1.3	1.6	2.2	3.0	2.2	1.6	.66	.30	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

	10.2	11.4	12.1	13.3	14.2	16.0	17.5	15.9	13.7	12.1	11.7	10.4
MEAN	10.2	11.4	12.1	13.3	14.2	16.0	17.5	15.9	13.7	12.1	11.7	10.4
MAX	27.3	29.6	23.8	37.0	28.8	31.7	36.2	34.2	34.3	34.7	39.6	34.0
(WY)	1956	1956	1955	1978	1949	1953	1980	1958	1984	1984	1955	1960
MIN	.75	.66	1.36	1.72	2.03	2.98	2.02	2.93	1.56	.21	.034	.28
(WY)	1987	1986	1966	1967	1967	1992	1966	1992	1988	1966	1995	1995

STREAMS ON LONG ISLAND
01310500 EAST MEADOW AT EAST MEADOW, NY--Continued

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SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1937 - 1995
ANNUAL TOTAL	1672.08	760.30	13.1
ANNUAL MEAN	4.58	2.08	23.3
HIGHEST ANNUAL MEAN			2.08
LOWEST ANNUAL MEAN			1961
HIGHEST DAILY MEAN	196 Jan 28	21b Dec 24	375 Sep 12 1980
LOWEST DAILY MEAN	.40 Sep 13	.00 Many days	.00c Aug 26 1971
ANNUAL SEVEN-DAY MINIMUM	.43 Sep 11	.00 Aug 10	.00 Aug 15 1988
INSTANTANEOUS PEAK FLOW		328 Jul 18	848 Jul 29 1980
INSTANTANEOUS PEAK STAGE		2.02 Jul 18	4.38a Sep 12 1960
INSTANTANEOUS LOW FLOW		.00 Many days	.00d Aug 26 1971
10 PERCENT EXCEEDS	7.6	3.7	24
50 PERCENT EXCEEDS	2.4	1.8	11
90 PERCENT EXCEEDS	.80	.00	2.0

a Datum then in use.
b Also occurred on Jan 20.
c Also occurred on Aug 15-23 1988, Aug 10 to Sep 16, 19-21 1995.
d Also occurred on Aug 15-23 1988, Aug 9 to Sep 17, 18-22 1995.
e Estimated

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 12...	1000	1.0	343	6.5	9.5	--	8.0	16	4.1
JAN 25...	1145	4.3	358	6.5	7.5	768	9.0	16	3.8
AUG 01...	0755	2.2	278	5.8	12.0	--	5.5	13	3.1

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN NO2-NO3 DIS- SOLVED (MG/L AS N)
OCT 12...	53	2.1	27	24	81	<0.10	6.6	0.010	0.97
JAN 25...	47	1.9	27	21	75	<0.10	6.2	0.003	1.2
AUG 01...	31	1.8	19	23	49	<0.10	6.5	0.008	0.63

DATE	NITRO- GEN AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (MG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT 12...	0.080	<0.20	0.005	0.002	230	120	150	140	0.04
JAN 25...	0.080	<0.20	0.007	0.006	400	220	240	230	<0.02
AUG 01...	0.050	<0.20	0.012	<0.001	280	85	130	130	0.02

STREAMS ON LONG ISLAND

01311000 PINES BROOK AT MALVERNE, NY

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

DRAINAGE AREA.--About 10 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--No estimated daily discharges. 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.

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

Date	Time	Discharge (ft ³ /s) *208	Gage height (ft) *3.91	Date	Time	Discharge (ft ³ /s) *208	Gage height (ft) *3.91
Jan. 20	1115			Jul. 18	0100		

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.17	.26	2.4	.44	.76	.59	3.8	.24	.26	.04	.01
2	.22	.10	.30	.68	.43	.64	.61	.52	.22	.11	.04	.01
3	.17	.09	.34	.39	.39	.59	.59	.34	.22	.09	.04	.00
4	.17	.09	.43	.46	.84	.59	.62	.27	.20	.09	.04	.00
5	.17	.09	8.4	.46	.50	.59	.59	.27	.19	.08	.05	.00
6	.17	.09	.34	.75	.46	.59	.59	.27	.19	.08	.05	.00
7	.17	.08	.31	16	.49	.54	.60	.26	1.0	.08	.04	.00
8	.17	.08	.29	.38	.48	5.1	.62	.26	.18	.08	.04	.00
9	.17	.11	.25	.35	.46	12	2.2	.24	.17	.08	.04	.00
10	.17	1.1	9.4	.35	.49	.65	.85	.28	.16	.08	.04	.00
11	.15	.11	4.7	.35	.52	.64	.55	.33	.15	.18	.04	.00
12	.14	.09	.58	.35	.50	.64	1.4	.27	2.6	.08	.04	.00
13	.13	.09	.59	.35	.51	.60	12	.27	.25	.08	.04	.00
14	.13	.09	.49	.35	.47	.59	1.9	.27	.22	.08	.03	.04
15	.13	.09	.31	.37	1.2	.59	1.1	.27	.17	.08	.03	.04
16	.13	.11	.31	.48	5.9	.59	.95	.27	.20	.07	.03	.03
17	.12	.11	.49	.50	.60	.73	.55	.47	.29	4.2	.03	13
18	.11	1.7	.35	.44	.59	.64	.81	.34	.31	21	.03	.04
19	.11	.60	.32	.44	.59	.61	.88	.55	.31	.23	.03	.03
20	.12	.13	.58	31	.59	.59	.82	.24	.31	.20	.03	.03
21	.13	4.3	.31	.98	.59	.89	1.4	.26	.29	.17	.03	.02
22	.13	1.7	.31	.57	.54	.85	1.1	.22	8.3	.17	.02	10
23	17	.16	.37	.54	.54	.64	1.1	.22	.13	.17	.02	.15
24	.47	.15	20	.50	1.0	.63	1.1	.21	.26	.15	.02	.04
25	.11	.16	.61	.49	.54	.59	1.2	.26	.22	4.0	.02	.05
26	.09	.16	.39	.48	.55	.59	.96	1.0	.11	.16	.02	.29
27	.09	.23	.35	.44	.50	.61	.35	.20	.12	.09	.02	.04
28	.07	13	.37	.44	9.3	.64	.35	.19	.09	2.3	.01	.04
29	.09	.30	.39	.44	---	.59	.31	13	.09	.06	.01	.03
30	.10	.25	.39	.44	---	.59	.79	6.1	.10	.04	.01	.03
31	.09	---	.41	.44	---	.59	---	.30	---	.04	.01	---
TOTAL	21.52	25.53	52.94	62.60	30.01	35.28	37.48	31.75	17.29	34.58	0.94	23.92
MEAN	.69	.85	1.71	2.02	1.07	1.14	1.25	1.02	.58	1.12	.030	.80
MAX	.17	.13	.20	.31	9.3	12	12	13	8.3	.21	.05	.13
MIN	.07	.08	.25	.35	.39	.54	.31	.19	.09	.04	.01	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

	2.57	3.05	3.20	3.62	3.67	4.31	4.64	4.23	3.58	3.19	3.07	2.70
MEAN	2.57	3.05	3.20	3.62	3.67	4.31	4.64	4.23	3.58	3.19	3.07	2.70
MAX	9.41	7.49	7.22	11.8	10.9	12.2	14.0	10.3	11.7	11.0	11.7	11.2
(WY)	1939	1952	1945	1994	1949	1939	1939	1939	1984	1948	1955	1938
MIN	.000	.050	.019	.051	.099	.21	.31	.41	.027	.001	.002	.002
(WY)	1983	1966	1986	1967	1983	1981	1966	1987	1971	1966	1981	1965

STREAMS ON LONG ISLAND
01311000 PINES BROOK AT MALVERNE, NY--Continued

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SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1937 - 1995	
ANNUAL TOTAL	928.22		373.84		3.42	
ANNUAL MEAN	2.54		1.02		8.35	
HIGHEST ANNUAL MEAN					.52	
LOWEST ANNUAL MEAN					1939	
HIGHEST DAILY MEAN	247	Jan 28	31	Jan 20	247	Jan 28 1994
LOWEST DAILY MEAN	.00	Jul 21	.00	Many days	.00	Many years
ANNUAL SEVEN-DAY MINIMUM	.02	Jul 29	.00	Sep 3	.00	Many years
INSTANTANEOUS PEAK FLOW			208	Jan 20	866a	Jan 28 1994
INSTANTANEOUS PEAK STAGE			3.91	Jan 20	5.28	Jan 28 1994
INSTANTANEOUS LOW FLOW			.00	Many days	.00	Many years
10 PERCENT EXCEEDS	3.6		1.1		7.9	
50 PERCENT EXCEEDS	.35		.29		1.9	
90 PERCENT EXCEEDS	.08		.03		.01	

a From rating curve extended above 220 ft³/s.

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 12...	0830	.04	325	7.4	13.0	--	9.5	25	5.6
JAN 25...	1035	.08	305	6.9	9.0	769	9.0	25	5.6
APR 04...	1000	.09	337	6.9	9.0	759	9.2	28	6.1

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CAC03)	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 SI02)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 12...	31	4.9	58	32	38	<0.10	8.0	0.015	2.8
JAN 25...	23	4.2	55	29	32	<0.10	8.1	0.006	3.0
APR 04...	27	4.5	54	32	40	<0.10	7.3	0.008	3.0

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 12...	0.020	<0.20	0.015	0.015	40	18	80	65	0.03
JAN 25...	0.10	0.20	0.007	0.009	130	90	180	170	<0.02
APR 04...	0.070	<0.20	0.007	0.001	130	34	210	200	<0.02

01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi².

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft above sea level. Prior to 1894, determinations of flow by various methods, at different sites and datums. July 1954 to July 16, 1964 at same site at datum 1.0 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated occasionally by cleaning operation at outlet of Valley Stream Pond above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	e.50	e.18	.73	.47	1.3	.49	1.3	.67	.18	.00	.00
2	.46	e.30	.14	.54	.50	.78	.45	.54	.44	.14	.00	.00
3	.34	e.20	.14	.44	.49	.72	.36	.33	.43	.04	.00	.00
4	.32	e.14	.19	.43	1.3	.30	.35	.20	.23	.02	.00	.00
5	.25	.14	3.0	.42	1.1	.12	.14	.27	.05	.00	.00	.00
6	.23	.18	.89	.38	.91	.15	.20	.17	.07	.00	.00	.00
7	.38	.11	.39	9.6	.76	.27	.35	.08	.15	.00	.00	.00
8	.33	.07	.26	.89	.73	1.7	.37	.13	.12	.00	.00	.00
9	.36	.10	.36	.53	1.2	13	.79	.12	.07	.00	.00	.00
10	e.30	.27	2.9	.49	.96	.84	2.2	.26	.09	.00	.00	.00
11	e.20	.11	4.3	.43	.60	.51	.46	.48	.25	.08	.00	.31
12	e.15	.11	.60	.43	.41	.41	.50	.43	.31	.02	.00	.04
13	e.10	.18	.44	.41	.37	.41	8.1	.25	.13	.00	.00	.00
14	e.07	.17	.67	.29	.43	.43	.80	.06	.18	.00	.00	.00
15	.23	.12	.60	.29	.43	.51	.41	.19	.14	.03	.00	.00
16	.14	.08	.26	.49	4.1	.58	.32	.21	.12	.00	.00	.00
17	.09	.09	.33	.59	.74	.50	.22	.49	.09	.60	.00	4.2
18	.14	.20	.32	.58	.47	.38	.26	.49	.04	.00	.00	.71
19	.18	.14	.39	.43	.40	.42	.25	.24	.04	.44	.00	.27
20	.20	.12	.25	25	.49	.51	.23	.14	.04	.10	.00	.00
21	.17	.36	.43	2.3	.45	.56	.30	.08	.01	.12	.00	.00
22	.00	.70	.48	.65	.61	.52	.30	.10	.08	.00	.00	.68
23	7.4	.30	.30	.46	.62	.33	.21	.10	.65	.04	.00	.91
24	2.9	.21	11	.40	.88	.20	.31	.18	.29	.01	.00	.05
25	.63	e.18	1.2	.39	.60	.19	.26	.16	.32	.14	.00	.00
26	.66	e.20	.48	.50	.72	.21	.53	.18	.14	.02	.00	.00
27	.47	e.20	.38	.60	.37	.35	.46	.14	.09	.02	.00	.00
28	.14	e10	.37	.60	5.4	.51	.40	.12	.00	.97	.00	.00
29	.31	e2.0	.37	.60	---	.56	.26	2.4	.00	.23	.00	.00
30	.35	e.50	.43	.61	---	.60	.29	13	.00	.05	.00	.00
31	e.30	---	.44	.58	---	.53	---	.93	---	.00	.00	---
TOTAL	18.22	17.98	32.49	51.08	26.51	28.40	20.57	23.77	17.16	18.33	0.00	7.17
MEAN	.59	.60	1.05	1.65	.95	.92	.69	.77	.57	.59	.000	.24
MAX	7.4	10	11	25	5.4	13	8.1	13	12	15	.00	4.2
MIN	.00	.07	.14	.29	.37	.12	.14	.06	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1995, BY WATER YEAR (WY)

MEAN	1.59	1.91	1.83	2.14	2.03	2.34	2.83	2.38	1.86	1.58	1.98	1.75
MAX	10.8	10.9	9.18	9.37	9.91	10.2	12.0	12.3	8.43	8.32	16.8	11.6
(WY)	1969	1956	1958	1956	1955	1958	1958	1958	1956	1955	1954	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1968	1966	1968	1968	1980	1981	1981	1981	1966	1966	1965	1982

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1954 - 1995

ANNUAL TOTAL	614.78		261.68			
ANNUAL MEAN	1.68		.72		1.98	
HIGHEST ANNUAL MEAN					8.86	1956
LOWEST ANNUAL MEAN					.11	1988
HIGHEST DAILY MEAN	100	Jan 28	25	Jan 20	140	Aug 12 1955
LOWEST DAILY MEAN	.00	Many days	.00	Many days	.00	Many years
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 11	.00	Jul 31	.00	Many years
INSTANTANEOUS PEAK FLOW			115	Jan 20	294	Jun 30 1984
INSTANTANEOUS PEAK STAGE			2.52	Jan 20	5.78	Jun 30 1984
INSTANTANEOUS LOW FLOW			.00	Many days	.00	Many years
10 PERCENT EXCEEDS	2.7		.86		6.3	
50 PERCENT EXCEEDS	.30		.27		.16	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

STREAMS ON LONG ISLAND

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01311810 CONSELYEAS POND TRIBUTARY AT ROSEDALE, NY

LOCATION.--Lat 40°39'42", long 73°45'22", Queens County, Hydrologic Unit 02030202, on right end of upstream side of reinforced-concrete bridge in Brookville Park, opposite 144th Ave and 1300 ft southwest of South Conduit Ave, in Rosedale.

DRAINAGE AREA.--About 10 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7.0 ft above sea level, from topographic map.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.45	.49	1.7	.56	.79	.44	1.7	.56	.38	.13	.02
2	1.5	.41	.28	.61	.51	.27	.44	.85	.52	.46	.13	.03
3	.42	.56	.15	.43	.48	.87	.47	.54	.43	.29	.10	.03
4	.19	.57	.13	.33	1.2	.62	.55	.51	.22	.16	.10	.03
5	.17	.55	3.8	.31	.59	.35	.49	.87	.15	.16	.10	.02
6	.17	.54	.51	.32	.49	.33	.52	.78	.15	.17	.08	.02
7	.34	1.4	.31	8.7	.45	.30	.56	.53	.13	.17	.08	.02
8	.30	2.1	.47	.48	.43	.86	.59	.31	.13	.17	.09	.02
9	.35	2.3	.18	.31	.40	11	.91	.26	.13	.17	.10	.04
10	.34	1.5	3.0	1.0	.42	1.0	.75	.27	.13	.21	.10	.04
11	.37	.59	4.2	1.6	.48	1.1	.67	.31	.13	.29	.10	.03
12	.28	.57	.29	1.1	.38	.97	.83	.30	.27	.31	.10	.03
13	.83	.62	.21	.56	.35	.53	6.8	.32	.31	.27	.10	.06
14	2.1	.63	.88	.40	.35	.40	1.1	.33	.22	.29	.11	.04
15	2.0	.67	.80	.41	.54	.42	.76	.31	.45	.26	.12	.04
16	2.0	.68	.67	.53	3.9	.44	.66	.33	.37	.21	.13	.04
17	2.0	.72	.39	.39	.73	.49	.57	.54	.21	.25	.10	5.1
18	2.0	.85	.25	.34	.35	.46	.50	.37	.13	8.3	.10	.11
19	1.5	.74	.21	.36	.34	.58	.43	.33	.13	.64	.12	.09
20	.40	.69	.21	21	.32	.70	.37	.26	.12	.69	.09	.08
21	.32	1.5	.21	1.0	.34	.84	.40	.26	.22	.73	.08	.08
22	.13	1.4	.25	.77	.36	.50	.30	.26	16	.48	.06	.53
23	2.1	.25	.29	1.2	.41	.50	.24	e .25	.65	.37	.07	.78
24	.79	.64	8.8	1.1	2.0	.47	.27	.48	.43	.30	.06	.10
25	.18	.56	1.0	1.0	.45	.47	.26	.45	.70	.28	.03	.11
26	.48	.64	.27	1.0	.60	.46	.23	.44	.50	.26	.03	.12
27	.58	.71	.24	.62	1.3	.45	.20	.74	.38	.26	.03	.08
28	.37	6.9	.29	.50	6.4	.47	.21	.85	.49	.83	.03	.13
29	.24	1.1	.98	.47	---	.47	.21	3.3	.47	.31	.02	.23
30	.26	.72	.87	.53	---	.48	.41	9.3	.30	.15	.02	.26
31	.28	---	.57	.56	---	.47	---	.61	---	.14	.02	---
TOTAL	24.89	31.56	31.20	49.63	25.13	28.06	21.14	26.96	25.03	17.96	2.53	8.30
MEAN	.80	1.05	1.01	1.60	.90	.91	.70	.87	.83	.58	.082	.28
MAX	2.1	6.9	8.8	21	6.4	11	6.8	9.3	.16	8.3	.13	5.1
MIN	.13	.25	.13	.31	.32	.27	.20	.25	.12	.14	.02	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	.91	.80	1.37	3.14	1.30	1.84	1.30	1.54	.58	.55	1.44	1.14
MAX	1.02	1.05	1.74	4.67	1.71	2.78	1.90	2.22	.83	.58	2.79	1.94
(WY)	1994	1995	1994	1994	1994	1994	1994	1994	1995	1995	1994	1994
MIN	.80	.55	1.01	1.60	.90	.91	.70	.87	.33	.53	.082	.28
(WY)	1995	1994	1995	1995	1995	1995	1995	1995	1994	1994	1995	1995

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1993 - 1995

ANNUAL TOTAL	663.31	292.39	
ANNUAL MEAN	1.82	.80	1.33
HIGHEST ANNUAL MEAN			1.86
LOWEST ANNUAL MEAN			.80
HIGHEST DAILY MEAN	70	21	70
LOWEST DAILY MEAN	.10	.02b	.02b
ANNUAL SEVEN-DAY MINIMUM	.12	.02	.02
INSTANTANEOUS PEAK FLOW		115a	204a
INSTANTANEOUS PEAK STAGE		3.01	4.48
INSTANTANEOUS LOW FLOW		.01c	.01c
10 PERCENT EXCEEDS	3.1	1.2	2.2
50 PERCENT EXCEEDS	.68	.40	.47
90 PERCENT EXCEEDS	.20	.10	.10

a From rating curve extended above 110 ft³/s.

b Also occurred on Aug 29 to Sep 1, 5-8 1995.

c Also occurred on Sep 5, 6, 1995.

e Estimated

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 1995

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Date	Discharge (ft ³ /s)
Streams on Long Island						
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mi northwest of State Highway 25A.	--	1953-95	3-28-95	0.80
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft downstream from dam in Roslyn Park.	--	1953-95	3-28-95	.20
01302800	Island Swamp Brook at Lattingtown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattingtown Road, 0.3 mi southwest of Lattingtown, and 1.5 mi northwest of Locust Valley.	--	1953-95	3-28-95	.56
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft west on New York Ave., 1 mi northeast of Huntington.	--	1953-95	3-29-95	.70
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mi east of Centerport, and 1.5 mi southwest of Northport.	--	1953-95	3-29-95	1.0
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft downstream from Fresh Pond outlet, 0.75 mi north of Fort Salonga.	--	1977-95	3-29-95	3.2
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 mi northwest of East Hauppauge, and 4.0 mi upstream from gaging station near Smithtown.	--	1972-87 1989-95	3-21-95	.28
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft upstream from culvert on State Highway 111, 0.75 mi southeast of Smithtown, and 3.0 mi upstream from gaging station near Smithtown.	--	1958-49 1951-76 1979-95	3-21-95	1.3
01303850	Northeast Branch Nissequogue River near Hauppauge, N.Y.	Lat 40°50'43", long 73°11'50", Suffolk County, at culvert on Maple Avenue, 0.75 mi south of Smithtown, and 2.5 mi upstream from gaging station near Smithtown.	--	1972-95	3-21-95	1.6

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

93

Discharge measurements made at low-flow partial-record stations during water year 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Discharge Date (ft ³ /s)
Streams on Long Island					
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brookside Drive, 0.75 mi southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown.	--	1953-95	3-21-95 2.5
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft downstream from dam at New Mill Road, 2 mi northwest of Hauppauge, and 0.5 mi upstream from gaging station near Smithtown.	--	1972-95	3-21-95 26.
01304010	Nissequogue River at Smithtown, N.Y.	Lat 40°51'48", long 73°12'05", Suffolk County, at culvert on Landing Ave., at Smithtown, and 1.5 mi downstream from gaging station near Smithtown.	--	1974-95	3-21-95 44.
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft down- stream from Harbor Road, at Stony Brook.	--	1977-95	3-23-95 1.9
01304060	Unnamed tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft downstream from pond below Old Field Road, at Setauket.	--	1977-95	3-23-95 1.4
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 6/15A, at East Setauket.	--	1977-95	3-23-95 .35
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.	--	1977-95	3-23-95 .36
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi west of Wading River.	--	1953-62 1964-83 1985-86 1989-95	3-20-95 .71
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft downstream from dirt road at outlet of Fresh Pond, 0.7 mi northwest of Baiting Hollow.	--	1977-95	9-19-95 0
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mi northwest of Manorville, and 8.5 mi upstream from gaging station at Riverhead.	--	1958-49 1951-95	10-31-94 3-20-95 0 1.2
01304510	Peconic River at Nugent Drive, at Riverhead, N.Y.	Lat 40°55'03", long 72°40'11", Suffolk County, at bridge on Nugent Drive, at Riverhead, and 1.4 mi downstream from gaging station at Riverhead.	--	1976-95	10-31-95 3-20-95 26. 33.
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft east of Moriches- Riverhead Road, 1.5 mi southwest of Riverhead.	--	1952-95	10-17-94 3-20-95 3.1 3.4
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi southeast of Riverhead.	--	1953-69 1973-95	10-17-94 3-22-95 2.0 2.5

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Date	Discharge (ft ³ /s)
Streams on Long Island						
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 mi northwest of Southampton.	--	1951-69 1971-95	10-31-94	.12
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft upstream from culvert on Noyack Road, 0.25 mi west of Noyack.	--	1958-95	10-18-94 3-22-95	.48 .65
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mi southwest of Sag Harbor.	--	1953-69 1973-95	10-18-94 3-22-95	.02 .01
01304730	Poxabogue Pond Outlet at Sagaponack, N.Y.	Lat 40°55'48", long 72°17'16", Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mi southeast of Bridgehampton.	--	1953-78 1980-86 1988-95	10-31-94 3-23-95	1.5 1.9
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mi northeast of East Quogue.	--	1974-95	3-23-95	1.0
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mi northwest of Quogue.	--	1953-69 1974-95	3-23-95	1.5
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.	--	1959-88 1990-95	3-23-95	1.1
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft north- west of State Highway 27A, and 1 mi northwest of Westhampton.	--	1953-88 1990-95	3-23-95	1.5
01304820	Speonk River at Speonk, N.Y.	Lat 40°49'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mi east of Speonk.	--	1974-95	3-23-95	.81
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft downstream from culvert on State Highway 27A, at Eastport.	--	1953-95	3-23-95	5.0
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mi southwest of Eastport.	--	1955-69 1974-95	3-23-95	3.4
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27A, at Moriches.	--	1958-50 1952-95	3-23-95	5.3

Discharge measurements made at low-flow partial-record stations during water year 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Date	Discharge (ft ³ /s)
Streams on Long Island						
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mi south of Middle Island, and 3.0 mi upstream from gaging station at Yaphank.	--	1957-95	3-21-95	.10
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft downstream from Mill Road, 1.2 mi northwest of Yaphank, and 1.9 mi upstream from gaging station at Yaphank.	--	1973-95	3-21-95	6.3
01304998	Carmans River, below Lower Lake, at Yaphank, N.Y.	Lat 40°50'07", long 72°55'01", Suffolk County, at culvert on Yaphank Avenue, at Yaphank, and 0.7 mi upstream from gaging station at Yaphank.	--	1973-95	3-21-95	11.
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 75 ft upstream from culvert on State Highway 27A, at South Haven, and 2.6 mi downstream from gaging station at Yaphank.	--	1973-95	3-21-95	43.
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 mi east of Patchogue.	--	1957-69 1971-95	3-21-95	3.3
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 21A and gaging station at Patchogue.	--	1955-50 1952-95	9-19-95	6.9
01306000c	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	13.5b	1956-69* 1970-73 1974-76* 1977-95	9-19-95	16.
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft upstream from State Highway 27A at West Sayville.	--	1953-95	3-22-95	3.6
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft southeast of Smithtown Blvd., 0.2 mi west of Lake Ronkonkoma.	--	1958-49 1953-54 1977-79 1981-86 1988-89 1991-95	3-22-95	.94
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft downstream from fish hatchery, and 1.1 mi upstream from gaging station 01306499.	--	1968 1973-95	3-22-95	31.
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft downstream from State Highway 27, 1.5 mi northwest of Oakdale.	--	1954-69 1971-95	3-22-95	19.

* Operated as a continuous-record gaging station.

b About

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 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Date	Discharge (ft ³ /s)
Streams on Long Island						
01307000c	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft downstream from Moffitt Boulevard, at Islip.	6.5b	1958-69* 1970-86 1991-95	3-24-95	4.1
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.	--	1958-72 1974-95	3-24-95	1.5
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mi west of Islip.	--	1958-95	3-24-95	.77
01307500c	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	5b	1955-76* 1977-95	3-24-95	4.8
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.	--	1958-95	3-24-95	.28
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft downstream from Bay Shore Road, and 2.5 mi upstream from gaging station at Babylon.	--	1965-66 1973-95	3-20-95	.83
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft downstream from Hunter Avenue, and 1.6 mi upstream from gaging station at Babylon.	--	1967 1971-95	3-20-95	1.4
01308200	Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	Lat 40°41'48", long 73°19'04", Suffolk County at pond outlet, 200 ft upstream from State Highway 27A, at Babylon, and 0.5 mi downstream from gaging station at Babylon.	--	1953-67 1969-95	3-20-95	6.0
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mi downstream from gaging station at Babylon.	--	1968-85 1987-95	3-20-95	18.
01309000c	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	7b	1957-69* 1970-95	3-24-95	.78
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mi downstream from discontinued gaging station at Lindenhurst.	--	1953-69 1971-95	3-24-95	3.4

* Operated as a continuous-record gaging station.

b About

c Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Date	Discharge (ft ³ /s)
Streams on Long Island						
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft upstream from State Highway 27A, in Lindenhurst.	--	1958-50 1952-95	3-24-95	2.2
01309250	Strong's Creek at Lindenhurst, N.Y.	Lat 40°40'22", long 73°22'40", Suffolk County, 30 ft upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-95	3-24-95	1.2
01309450	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft upstream from State Highway 27A, at Amityville.	--	1953-95	3-24-95	1.2
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville.	--	1959 1953-69 1971-88 1990-95	3-28-95	4.5
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Nassau County, 75 ft upstream from Tomes Avenue, 0.2 mi south of South Farmingdale, and 1.9 mi upstream from gaging station at Massapequa.	--	1962-65 1973-78 1980-95	3-28-95	0
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft upstream from culvert at Southern State Parkway, 0.8 mi south of South Farmingdale, and 1.2 mi upstream from gaging station at Massapequa.	--	1962-65 1973-95	3-28-95	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 mi upstream from gaging station at Massapequa.	--	1962 1964 1973-95	3-28-95	.62
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.	--	1953-95	3-28-95	1.3
01309800	Seamans Creek at Seaford, N.Y.	Lat 40°39'56", long 73°29'37", Nassau County, at culvert on State Highway 27A, 0.2 mi west of Seaford.	--	1953-67 1971-81 1983-95	3-28-95	2.7
01309970	Bellmore Creek tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mi north of North Wantagh, and 1.2 mi upstream from gaging station 01309990.	--	1973-95	3-27-95	0
01309980	Bellmore Creek tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mi upstream from gaging station 01309990.	--	1973-95	3-27-95	0
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	--	1963-95	3-27-95	.60

Discharge measurements made at low-flow partial-record stations during water year 1995--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements Discharge Date (ft ³ /s)
Streams on Long Island					
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 mi east of Freeport.	--	1953-62 1965-95	3-27-95 4.1
01310470	East Meadow Brook near Westbury, N.Y.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft downstream from culvert on Meadowbrook State Parkway, 1.0 mi south of Westbury, and 4.8 mi upstream from gage at Freeport.	--	1973-95	3-28-95 .18
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43'17", long 73°35'00", Nassau County, at bridge on Hempstead Turnpike, 0.9 mi northeast of Uniondale, and 3.9 mi upstream from gage at Freeport.	--	1973-95	3-28-95 0
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft west of Luddington Road, 1.4 mi southwest of East Meadow, and 2.3 mi upstream from gage at Freeport.	--	1973-95	3-28-95 0
01310510	East Meadow Pond Outlet at Freeport, N.Y.	Lat 40°39'32", long 73°34'01", Nassau County, 50 ft down- stream from culvert at Sunrise Highway, and 0.5 mi down- stream from gaging station 01310500.	--	1975-80 1986 1990-95	3-28-95 .82
01310515	Freeport Creek at Freeport, N.Y.	Lat 40°39'28", long 73°34'22", Nassau County, 20 ft upstream from culvert at Sunrise High- way, and 0.5 mi downstream from gaging station 01310500.	--	1975-80 1986 1990-95	3-28-95 2.4
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft down- stream from bridge on State Highway 27A, 0.5 mi east of Baldwin.	--	1953-95	3-28-95 .72
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft down- stream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-81 1983-84 1986-88 1991-95	3-28-95 1.4
01310800	South Pond Outlet at Rockville Centre, N.Y.	Lat 40°40'00", long 73°39'08", Nassau County, at bridge on Lakeview Ave. 0.75 mi north of Rockville Centre.	--	1953-93 1995	3-27-95 .13
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft down- stream from bridge on Rosedale Road, 1 mile southwest of Valley Stream.	--	1954-95	3-27-95 .47
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft down- stream from West Branch, 500 ft downstream from bridge on West Valley Stream Blvd at village park in Valley Stream, and 500 ft downstream from gaging station.	--	1953-95	3- 7-95 .05

CONTINUOUS RECORDING STATIONS

404931073382101. Local number, N 110.1

LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Jericho Water District storage garage, 27 ft south of Scudders Lane, 32 ft west of Motts Cove Road, in recorder shelter, Glenwood Landing.

Owner: Jericho Water District.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 18 in., reported depth 519 ft, measured depth 324 ft, screened 445 to 515 ft.

INSTRUMENTATION.--Digital water-level recorder -- 30-minute punch.

DATUM.--Land-surface datum is 58.2 ft above sea level. Measuring point: Top of 4-in. steel nipple, 0.44 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

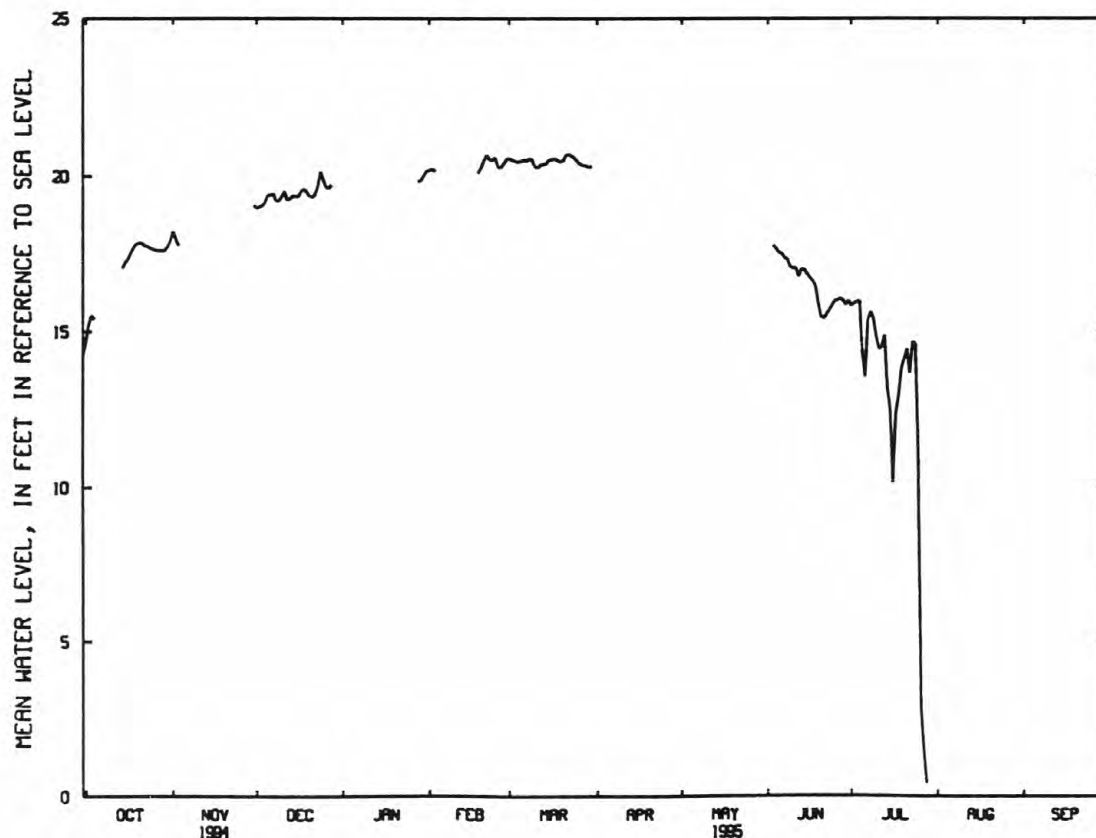
PERIOD OF RECORD.--January 1948 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft above sea level, December 15, 1970; lowest measured, 9.05 ft below sea level, May 22, 1957.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	19.39	---	---	20.45	---	---	17.53	14.26	---	---
10	---	---	19.34	---	---	20.29	---	---	17.03	14.82	---	---
15	17.25	---	19.35	---	---	20.52	---	---	16.87	12.47	---	---
20	17.87	---	19.35	---	20.48	20.50	---	---	15.48	14.09	---	---
25	17.86	---	19.88	---	20.28	20.45	---	---	15.98	11.10	---	---
EOM	17.91	19.06	---	20.15	20.53	---	---	---	15.98	---	---	---
MEAN	17.19	---	19.41	---	---	20.46	---	---	16.55	12.80	---	---
MAX	17.91	---	20.14	---	---	20.68	---	---	17.77	15.97	---	---
MIN	14.63	---	18.97	---	---	20.26	---	---	15.41	.40	---	---

WTR YR 1995 MEAN 17.69 MAX 20.68 MIN .40



CONTINUOUS RECORDING STATIONS

403805073395301. Local number, N 2790.2

LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, in recorder shelter, Bay Park. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 571 ft, screened 538 to 560 ft.

INSTRUMENTATION.--Digital water-level recorder -- 30-minute punch.

DATUM.--Land-surface datum is 6.0 ft above sea level. Measuring point: Base of steel recorder shelf, 3.82 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

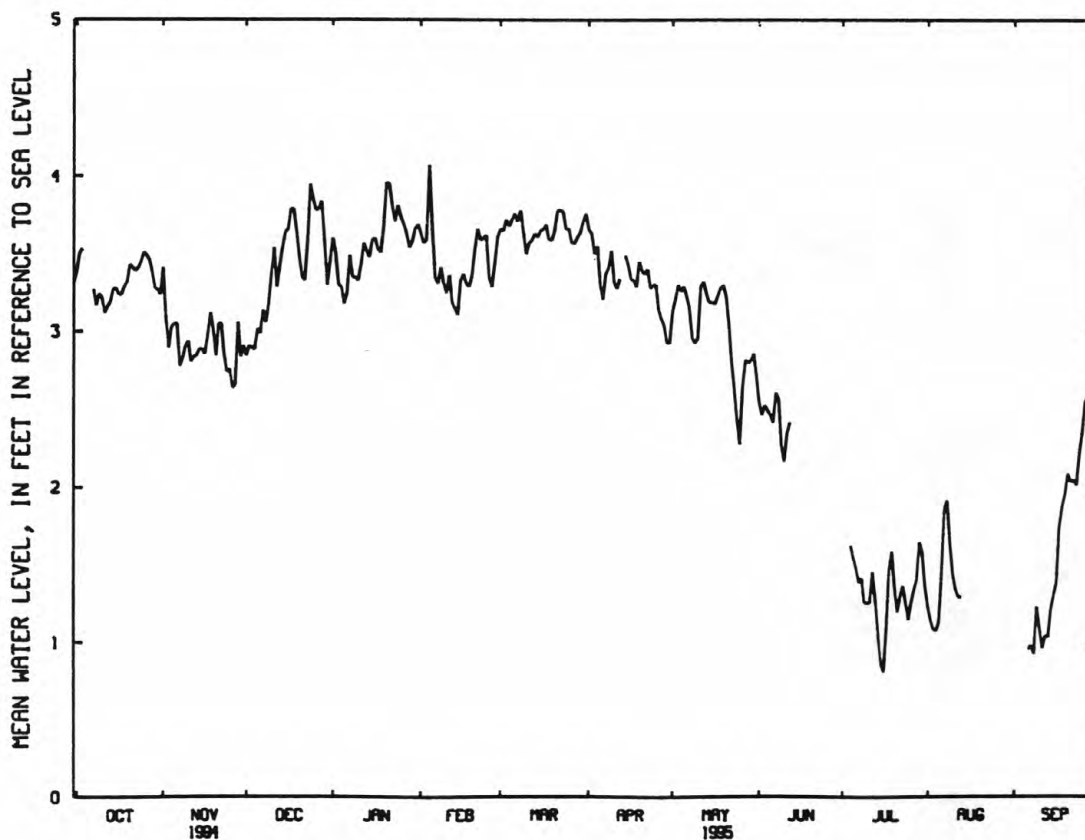
PERIOD OF RECORD.--February 1950 to current year. Unpublished records from February 1950 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft above sea level, April 6, 1958; lowest measured, 0.36 ft below sea level, July 20, 1977.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.05	3.02	3.18	3.67	3.72	3.30	3.29	2.47	1.55	1.14	---
10	3.22	2.94	3.37	3.33	3.25	3.50	3.32	2.96	2.17	1.26	1.45	1.10
15	3.28	2.89	3.64	3.59	3.33	3.65	3.43	3.19	---	.86	---	1.31
20	3.43	2.85	3.48	3.96	3.53	3.65	3.39	3.23	---	1.36	---	2.09
25	3.51	2.76	3.85	3.74	3.35	3.66	3.30	2.28	---	1.15	---	2.36
EOM	3.24	2.91	3.45	3.69	3.61	3.76	2.93	2.72	---	1.37	---	2.30
MEAN	3.33	2.92	3.42	3.56	3.44	3.66	3.33	3.02	---	1.33	---	1.65
MAX	3.53	3.41	3.95	3.96	4.07	3.78	3.66	3.32	---	1.65	---	2.59
MIN	3.12	2.64	2.85	3.18	3.11	3.50	2.93	2.28	---	.81	---	.93

WTR YR 1995 MEAN 2.92 MAX 4.07 MIN .81



CONTINUOUS RECORDING STATIONS

404418073434101. Local number, Q 577.1

LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, in recorder shelter, Bellerose. Owner: State of New York.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 640 ft, screen assumed at bottom.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 113.5 ft above sea level. Measuring point: Top of 12-in. steel casing, 0.22 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

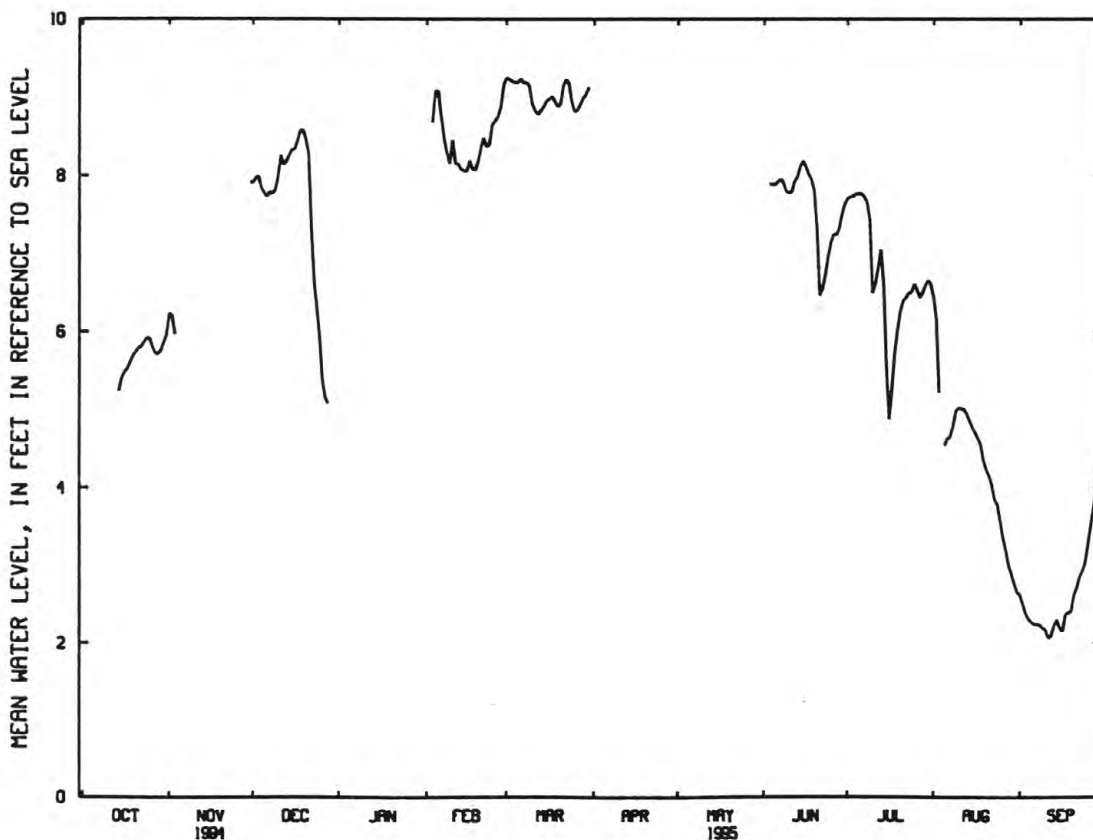
PERIOD OF RECORD.--February 1946 to current year. Unpublished records from February 1946 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.34 ft above sea level, January 14, 1992; lowest measured, 18.66 ft below sea level, July 30, 1954.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	7.78	---	9.08	9.19	---	---	7.89	7.77	4.53	2.27
10	---	---	7.98	---	8.45	8.92	---	---	7.78	6.49	5.01	2.17
15	5.41	---	8.33	---	8.05	8.95	---	---	8.19	5.58	4.76	2.19
20	5.74	---	8.47	---	8.35	8.92	---	---	7.32	6.26	4.22	2.62
25	5.91	---	5.91	---	8.70	8.82	---	---	7.14	6.60	3.56	3.28
EOM	5.95	7.92	---	---	9.16	---	---	---	7.64	6.60	2.65	4.34
MEAN	5.71	---	7.58	---	8.45	9.03	---	---	7.61	6.72	4.35	2.69
MAX	5.95	---	8.58	---	9.16	9.25	---	---	8.19	7.77	6.44	4.34
MIN	5.24	---	5.08	---	8.05	8.78	---	---	6.46	4.87	2.65	2.06

WTR YR 1995 MEAN 6.51 MAX 9.25 MIN 2.06



GROUND-WATER LEVELS: SUFFOLK COUNTY

CONTINUOUS RECORDING STATIONS

403727073154601. Local number, S 21091.1

LOCATION.--Lat 40°37'27", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,921 ft, screened 1,918 to 1,921 ft.

INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.

DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of 6-in. steel casing, 13.68 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

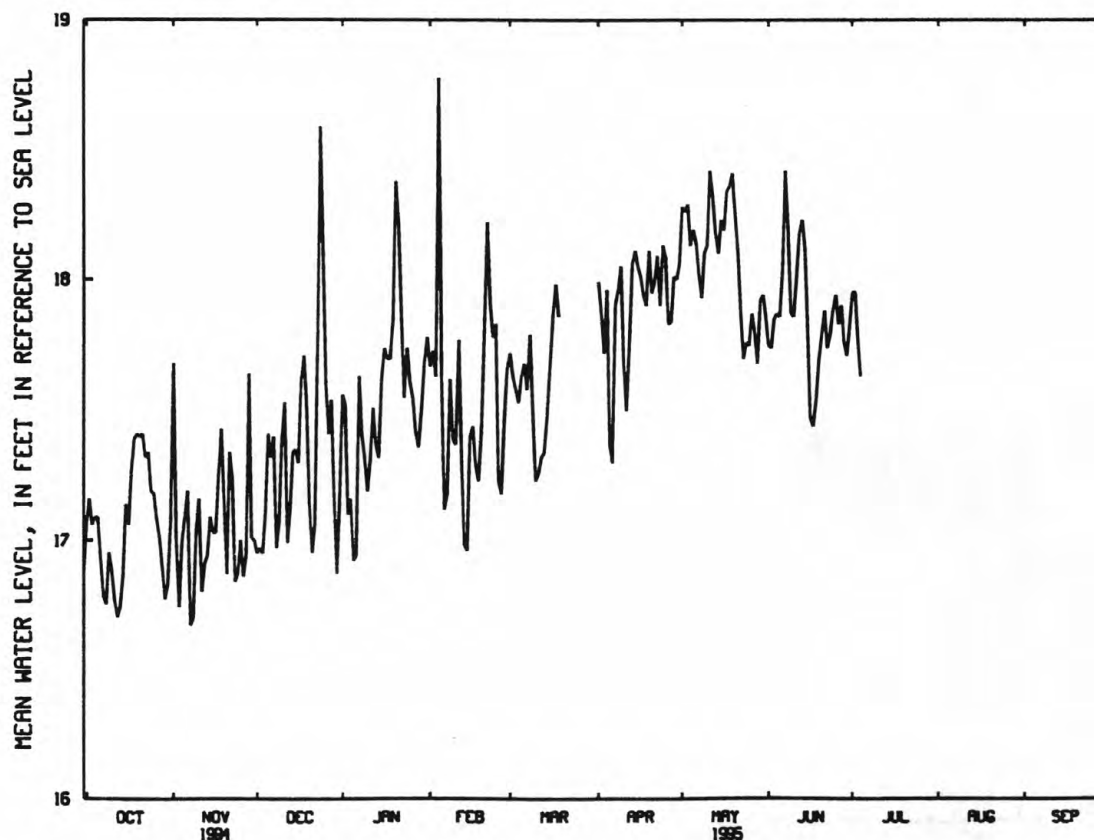
PERIOD OF RECORD.--September 1982 to current year. Unpublished records from September 1982 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft above sea level, March 18, 1976; lowest measured, 15.13 ft above sea level, June 2, 1972.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.09	17.09	17.41	16.92	17.62	17.63	17.37	18.19	17.86	---	---	---
10	16.88	17.16	17.40	17.19	17.37	17.23	17.68	18.13	17.86	---	---	---
15	17.14	17.03	17.35	17.62	17.40	17.67	18.05	18.23	17.80	---	---	---
20	17.40	16.87	17.14	18.38	17.81	---	17.95	18.25	17.79	---	---	---
25	17.18	17.00	18.08	17.61	17.23	---	18.08	17.75	17.94	---	---	---
EDM	17.07	17.00	17.15	17.78	17.66	---	18.06	17.86	17.82	---	---	---
MEAN	17.05	17.05	17.33	17.53	17.54	17.59	17.90	18.08	17.86	---	---	---
MAX	17.41	17.68	18.59	18.38	18.78	17.98	18.13	18.42	18.42	---	---	---
MIN	16.70	16.67	16.87	16.92	16.96	17.23	17.30	17.68	17.44	---	---	---

WTR YR 1995 MEAN 17.55 MAX 18.78 MIN 16.67



CONTINUOUS RECORDING STATIONS

403727073154503. Local number, S 21311.1

LOCATION.--Lat 40°37'28", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 721 ft, screened 711 to 721 ft.

INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.

DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of 6-in. steel casing, 20.01 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

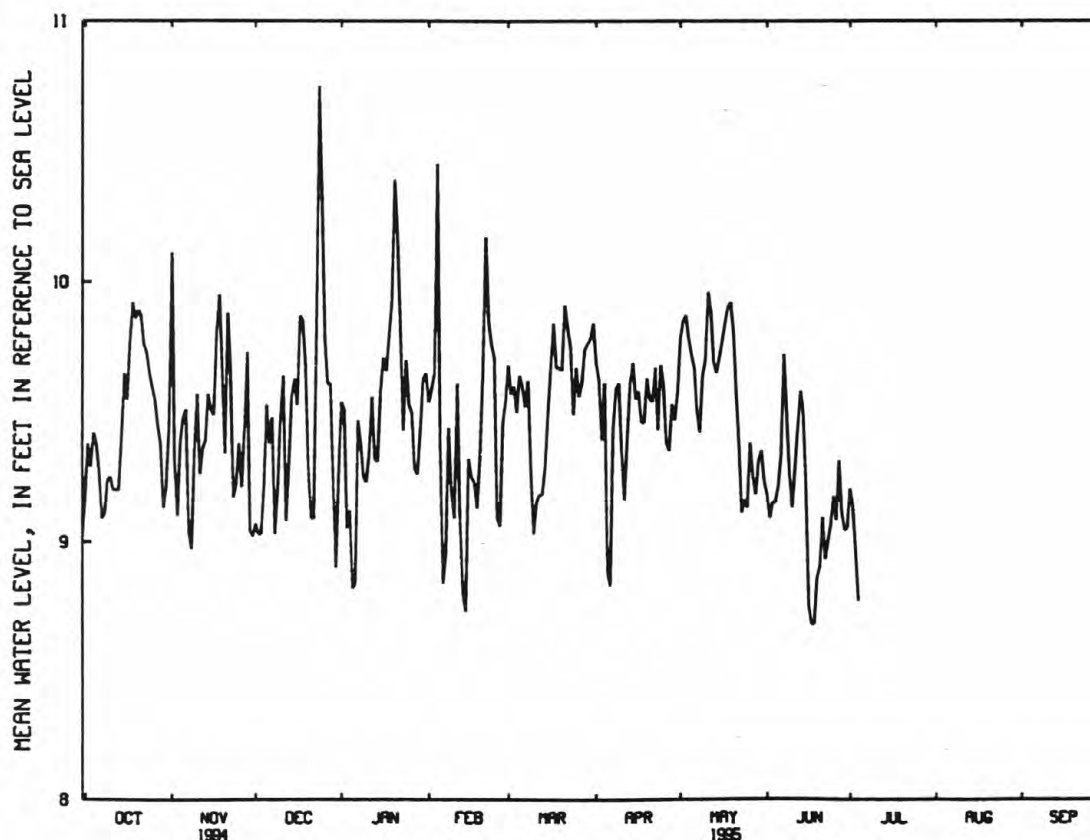
PERIOD OF RECORD.--November 1962 to current year. Unpublished records from November 1962 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft above sea level, January 25, 1979; lowest measured, 5.35 ft above sea level, February 23, 1972.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.38	9.48	9.53	8.82	9.39	9.64	8.88	9.72	9.21	---	---	---
10	9.25	9.57	9.49	9.23	9.09	9.03	9.35	9.70	9.13	---	---	---
15	9.65	9.51	9.63	9.58	9.32	9.49	9.55	9.71	9.21	---	---	---
20	9.89	9.34	9.29	10.39	9.66	9.66	9.55	9.81	8.90	---	---	---
25	9.60	9.38	10.30	9.53	9.09	9.67	9.60	9.13	9.17	---	---	---
EDM	9.44	9.02	9.25	9.65	9.54	9.84	9.57	9.23	9.05	---	---	---
MEAN	9.45	9.43	9.46	9.49	9.39	9.57	9.48	9.58	9.15	---	---	---
MAX	9.92	10.11	10.75	10.39	10.45	9.91	9.69	9.96	9.72	---	---	---
MIN	9.09	8.97	8.90	8.82	8.73	9.03	8.83	9.11	8.68	---	---	---

WTR YR 1995 MEAN 9.44 MAX 10.75 MIN 8.68



CONTINUOUS RECORDING STATIONS

404935073055901. Local number, S 33379.1

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 1,305 ft, screened 1,290 to 1,300 ft.

INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.

DATUM.--Land-surface datum is 134.0 ft above sea level. Measuring point: Top of 4-in. steel casing, 2.34 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

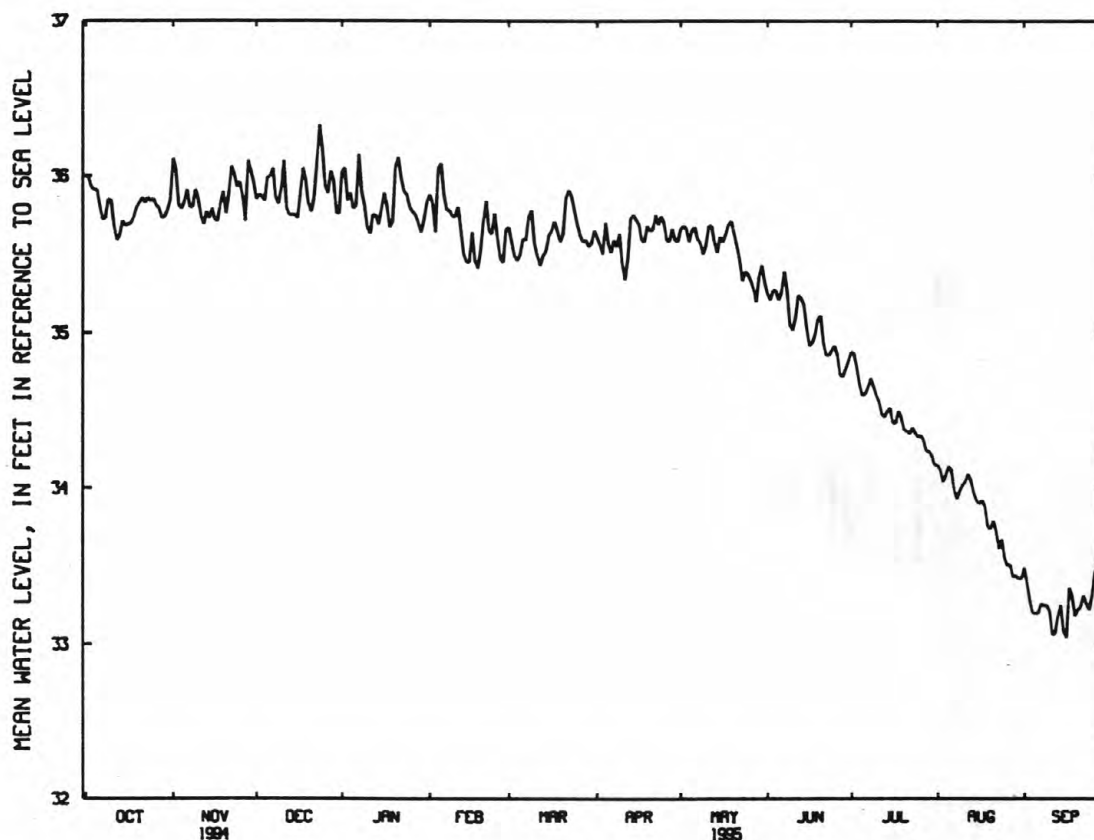
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.92 ft above sea level, June 5, 1979; lowest measured, 33.04 ft above sea level, September 16, 1995.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.91	35.83	35.99	35.79	36.08	35.50	35.57	35.65	35.21	34.60	34.14	33.20
10	35.84	35.85	35.91	35.67	35.74	35.57	35.44	35.56	35.02	34.60	34.02	33.21
15	35.68	35.79	35.75	35.78	35.45	35.62	35.72	35.61	35.03	34.52	33.92	33.08
20	35.83	35.76	35.82	36.06	35.71	35.63	35.65	35.63	35.11	34.38	33.74	33.22
25	35.85	35.96	36.17	35.80	35.60	35.69	35.70	35.37	34.92	34.33	33.55	33.31
EOM	35.85	35.96	35.76	35.83	35.66	35.65	35.58	35.32	34.82	34.15	33.42	34.00
MEAN	35.80	35.87	35.91	35.83	35.68	35.63	35.61	35.53	35.05	34.48	33.84	33.30
MAX	36.00	36.11	36.33	36.14	36.08	35.91	35.75	35.71	35.39	34.88	34.15	34.00
MIN	35.59	35.69	35.73	35.63	35.41	35.43	35.34	35.20	34.72	34.15	33.42	33.04

WTR YR 1995 MEAN 35.21 MAX 36.33 MIN 33.04



CONTINUOUS RECORDING STATIONS

404932073055902. Local number, S 33380.1

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 855 ft, screened 840 to 850 ft.

INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch, changed to 30-minute on August 18, 1990.

DATUM.--Land-surface datum is 133.5 ft above sea level. Measuring point: Top of 4-in. steel casing, 2.13 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

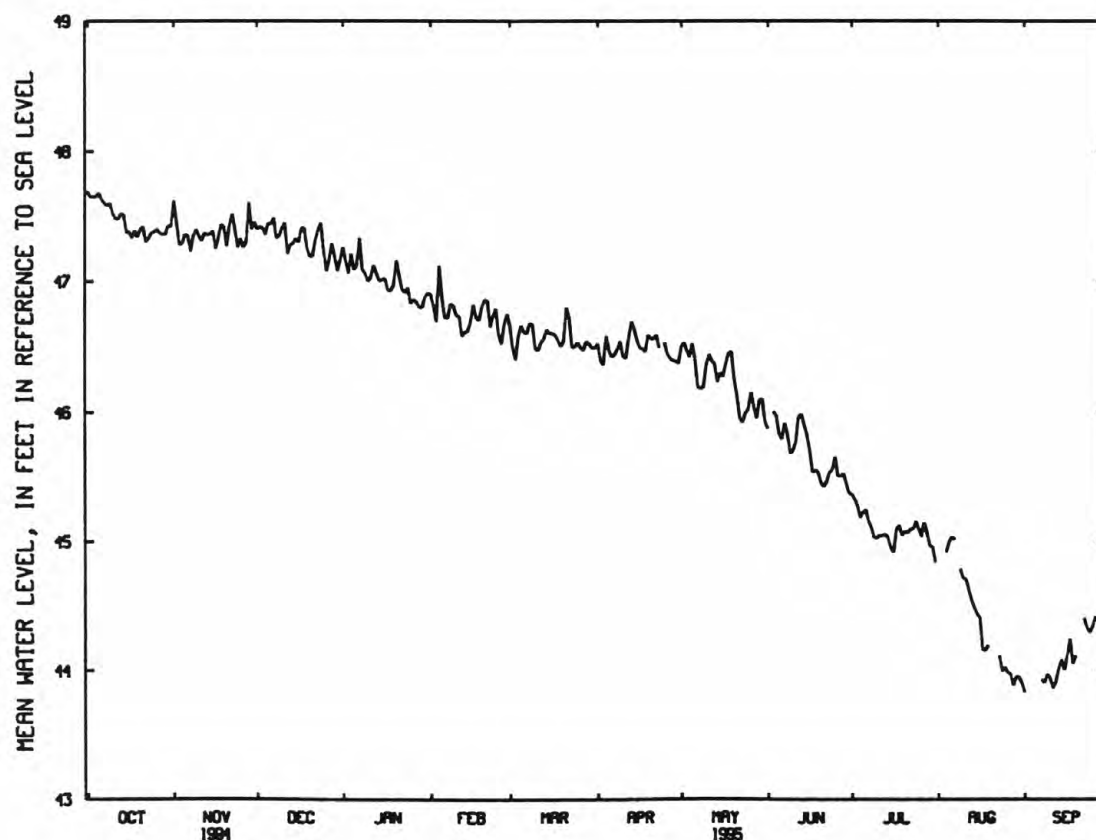
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of Long Island Subdistrict office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft above sea level, April 27, 1979; lowest measured, 43.83 ft above sea level, September 1, 1995.

ELEVATION (FEET MSL), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.68	47.36	47.45	47.09	46.87	46.66	46.47	46.52	45.83	45.22	44.99	---
10	47.52	47.35	47.41	47.00	46.74	46.48	46.42	46.36	45.70	45.02	44.71	43.94
15	47.37	47.39	47.33	47.01	46.69	46.60	46.55	46.30	45.82	44.94	44.43	44.00
20	47.40	47.27	47.19	47.16	46.86	46.54	46.56	46.25	45.45	45.07	---	---
25	47.38	47.33	47.24	46.83	46.59	46.53	46.53	46.02	45.65	45.09	44.02	44.34
EDM	47.42	47.46	47.16	46.91	46.75	46.49	46.37	45.92	45.37	44.83	43.90	44.34
MEAN	47.47	47.37	47.31	47.01	46.75	46.56	46.49	46.24	45.68	45.09	44.37	44.13
MAX	47.69	47.62	47.49	47.33	47.12	46.80	46.69	46.53	46.00	45.36	45.03	44.41
MIN	47.30	47.23	47.08	46.80	46.52	46.40	46.36	45.92	45.37	44.83	43.88	43.83

WTR YR 1995 MEAN 46.28 MAX 47.69 MIN 43.83



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.92 ft above sea level, October 28, 1992;
lowest measured, 0.83 ft below sea level, November 2, 1970.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.53 ft above sea level, June 12, 1991;
lowest measured, 11.55 ft below sea level, August 22, 1942.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft above sea level, October 2, 1978;
lowest measured, 7.72 ft below sea level, January 19, 1961.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.52 ft above sea level, September 23, 1980; lowest measured, 5.80 ft above sea level, June 1, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18 DEC 13	6.95 6.73	JAN 25	6.77	MAR 14	6.69	MAY 23	6.43	JUL 19	6.74	SEP 26	6.68

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.62 ft above sea level, June 27, 1984; lowest measured, 7.27 ft above sea level, May 5, 1988.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft above sea level, January 24, 1991;
lowest measured, 3.16 ft above sea level, May 21, 1985.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.91 ft above sea level, June 27, 1984; lowest measured, 4.64 ft above sea level, July 15, 1992.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.86 ft above sea level, March 16, 1984; lowest measured, 24.03 ft above sea level, March 29, 1989.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.88 ft above sea level, October 3, 1984; lowest measured, 3.53 ft above sea level, October 6, 1982.

[illegible]

403737074011701. Local number, K 3275.1

LOCATION.--Lat 40°37'37", long 74°01'15", Hydrologic Unit 02030202, at east side of 6th Avenue, 19 ft south of 76th Street, Bay Ridge. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 76 ft, screened 73 to 76 ft.

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

DATUM.--Land-surface datum is 67.2 ft above sea level. Measuring point: Top of 2-in. steel coupling, 0.05 ft below land-surface datum.

PERIOD OF RECORD.--June 1981 to current year. Unpublished records from June 1981 to September 1982 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.65 ft above sea level, January 5, 1984; lowest measured, 3.20 ft above sea level, April 28, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	4.51	JAN 25	4.11	MAR 14	4.11	MAY 23	4.05	JUL 19	4.12	SEP 26	4.36
DEC 13	4.23										

404135073584001. Local number, K 3276.1

LOCATION.--Lat 40°41'34", long 73°58'41", Hydrologic Unit 02030201, at east side of St. Edwards Street, 75 ft south of Myrtle Avenue, Fort Greene. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 54 ft, screened 51 to 54 ft.

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

DATUM.--Land-surface datum is 38.0 ft above sea level. Measuring point: Top of 2-in. steel coupling, 0.02 ft below land-surface datum.

PERIOD OF RECORD.--April 1981 to current year. Unpublished records from April 1981 to September 1982 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft above sea level, January 5, 1984; lowest measured, 4.30 ft above sea level, October 1, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	5.85	DEC 13	5.74	JAN 25	5.79	MAR 14	5.72	MAY 23	5.53	SEP 26	5.16

404043073413108. Local number, N 7.1

LOCATION.--Lat 40°40'43", long 73°41'31", Hydrologic Unit 02030202, at Valley Stream State Park, 150 ft west of Corona Avenue, 130 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled unused steel well, diameter 6 in., depth 911 ft, screened 851 to 911 ft.

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

DATUM.--Land-surface datum is 20.9 ft above sea level. Measuring point: Top of 1/4-in. hole drilled in 4-in. steel plug, 2.17 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1941 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.75 ft above sea level, March 9, 1941; lowest measured, 6.84 ft below sea level, August 25, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	6.08	FEB 2	8.47	MAR 13	8.79	MAY 15	9.02	JUL 25	6.60	SEP 15	4.26

404048073412602. Local number, N 9.1

LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Valley Stream State Park, 30 ft west of Corona Avenue, 650 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 138 ft, screened 98 to 138 ft.

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

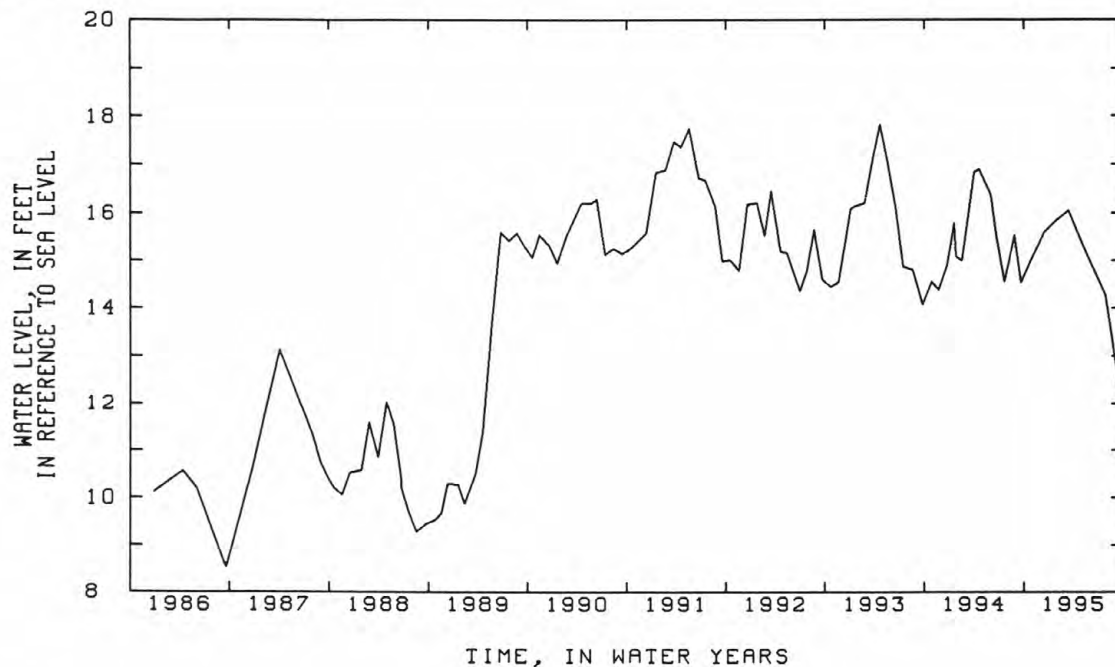
DATUM.--Land-surface datum is 22.6 ft above sea level. Measuring point: Top of 6-in. steel casing, 2.08 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft above sea level, September 23, 1938; lowest measured, 5.95 ft above sea level, March 22, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	14.90	FEB 2	15.86	MAR 13	16.04	MAY 15	15.17	JUL 25	14.27	SEP 15	12.35
DEC 14	15.60										



405010073414901. Local number, N 35.1

LOCATION.--Lat 40°50'10", long 73°41'51", Hydrologic Unit 02030201, at Port Washington Water District Pumping Center, 115 ft south of Sandy Hollow Road, in recorder shelter, Port Washington. Owner: Port Washington Water District.

AQUIFER.--Port Washington (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 16 in. to 6 in., depth 387 ft, screened 287 to 387 ft.

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

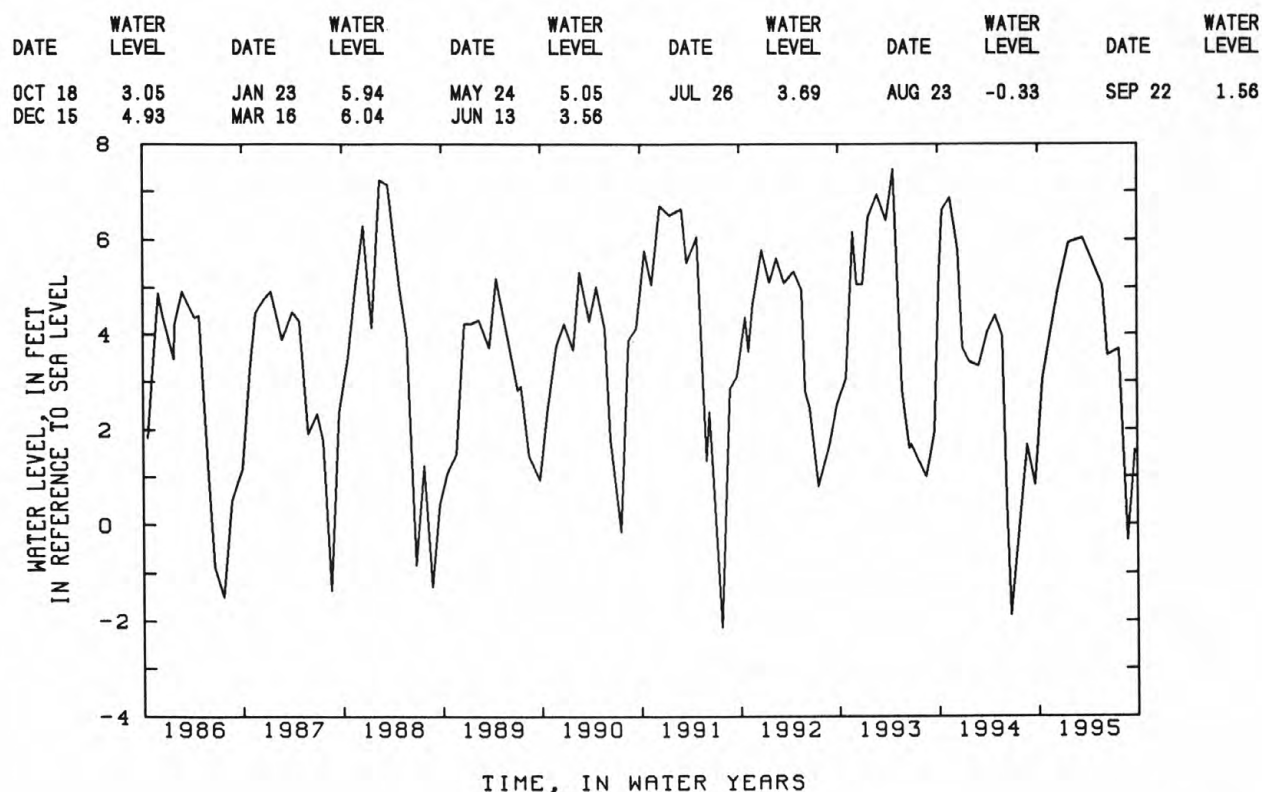
DATUM.--Land-surface datum is 13.6 ft above sea level. Measuring point: Top of steel recorder shelter flange 3.64 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft above sea level, January 31, 1958; lowest measured, 16.15 ft below sea level, July 29, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



403929073382908. Local number, N 53.1

LOCATION.--Lat 40°39'29", long 73°38'29", Hydrologic Unit 02030202, at Rockville Centre Municipal Power Plant, in battery room, Maple Avenue and Morris Avenue, Rockville Centre. Owner: Village of Rockville Center.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 50 ft, screen assumed at bottom.

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

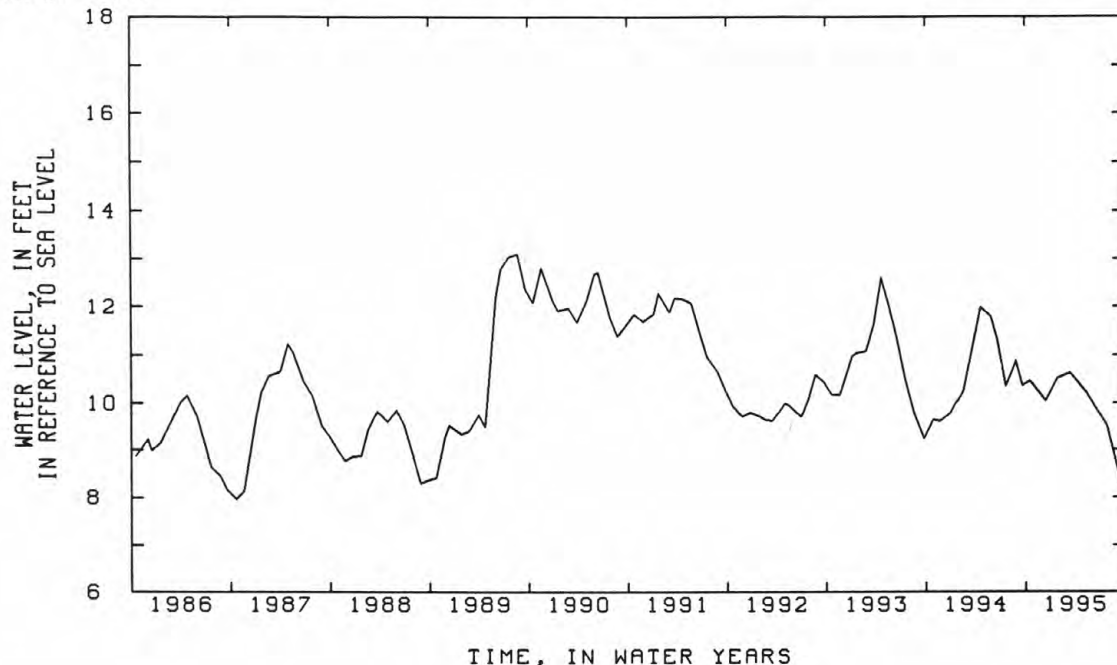
DATUM.--Land-surface datum is 26.2 ft above sea level. Measuring point: Top of 2-in. steel casing, 5.24 ft below land-surface datum.

PERIOD OF RECORD.--August 1934 to current year. Unpublished records from August 1934 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft above sea level, April 15, 1939; lowest measured, 7.85 ft above sea level, August 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	10.46	JAN 26	10.51	MAR 13	10.63	MAY 15	10.18	JUL 25	9.51	SEP 15	8.30
DEC 14	10.04										



403922073353501. Local number, N 67.1

LOCATION.--Lat 40°39'22", long 73°35'35", Hydrologic Unit 02030202, at Freeport Power Station, in battery room, 105 ft north of Sunrise Highway (Rt. 27), west of Long Beach Avenue, Freeport. Owner: Village of Freeport.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 1052 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of 12-in. steel casing, 1.0 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.95 ft above sea level, May 8, 1957; lowest measured, 3.76 ft below sea level, March 23, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	8.58	DEC 21	8.17	JAN 31	10.73	MAR 13	11.14	JUL 26	8.83	SEP 13	6.84

404030073293703. Local number, N 180.2

LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Long Island Railroad track embankment, 200 ft north of Sunrise Highway (Rt. 27), west of Seaford-Oyster Bay Expressway (Rt. 135), Seaford. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 723 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 18.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 13.89 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft above sea level, June 6, 1952; lowest measured, 10.63 ft above sea level, July 1, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	13.85	JAN 19	14.69	MAR 14	14.34	MAY 22	12.77	JUL 26	12.39	SEP 19	12.01
DEC 13	15.14										

404609073421802. Local number, N 1102.2

LOCATION.--Lat 40°46'09", long 73°42'16", Hydrologic Unit 02030201, at southwest corner of Community Drive and Long Island Expressway westbound service road, Lake Success. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 166 ft, screened 161 to 166 ft.

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

DATUM.--Land-surface datum is 184.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.32 ft below land-surface datum.

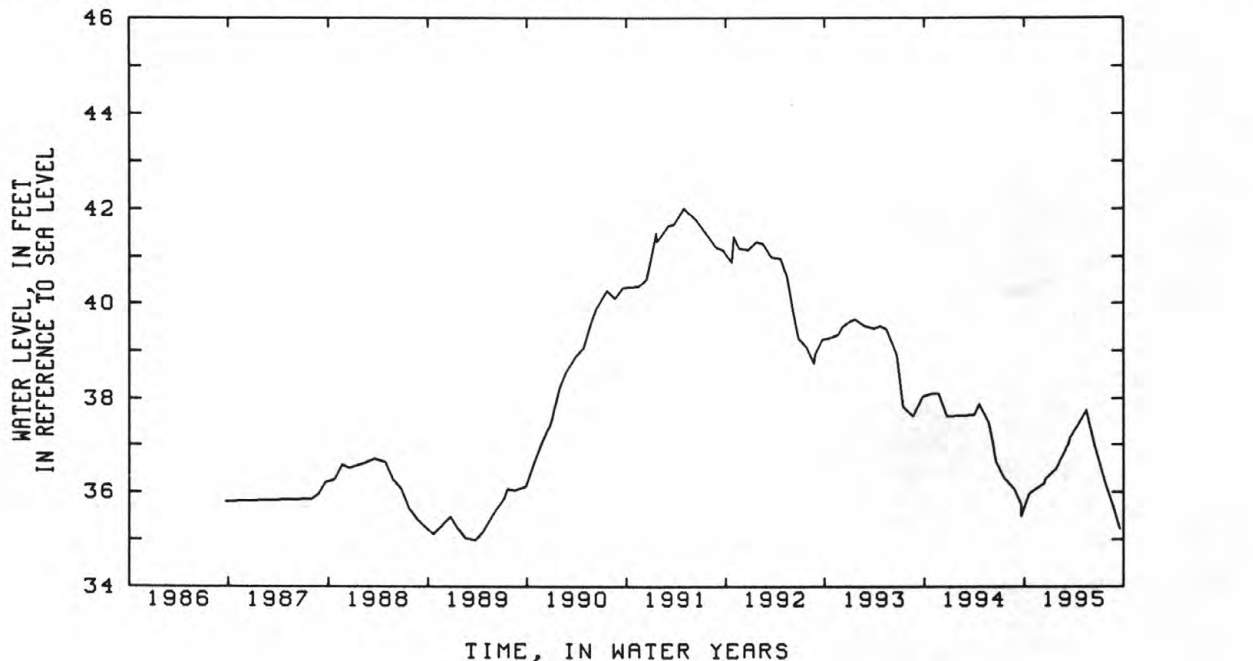
REMARKS.--Replaced well N 1102.1 in March 1963 at same location, which has a period of record from October 1937 to March 1963.

PERIOD OF RECORD.--April 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.02 ft above sea level, April 24, 1963; lowest measured, 28.90 ft above sea level, January 19, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	35.96	DEC 16	36.28	MAR 13	37.04	MAY 15	37.75	JUL 25	36.17	SEP 15	35.22
DEC 14	36.18	JAN 26	36.49	15	37.14	JUN 14	37.03	AUG 24	35.68		



404039073420001. Local number, N 1110.1

LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Valley Stream State Park, southeast corner of North Fletcher Avenue and park entrance, Valley Stream. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 27 ft, screened 24 to 27 ft.

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

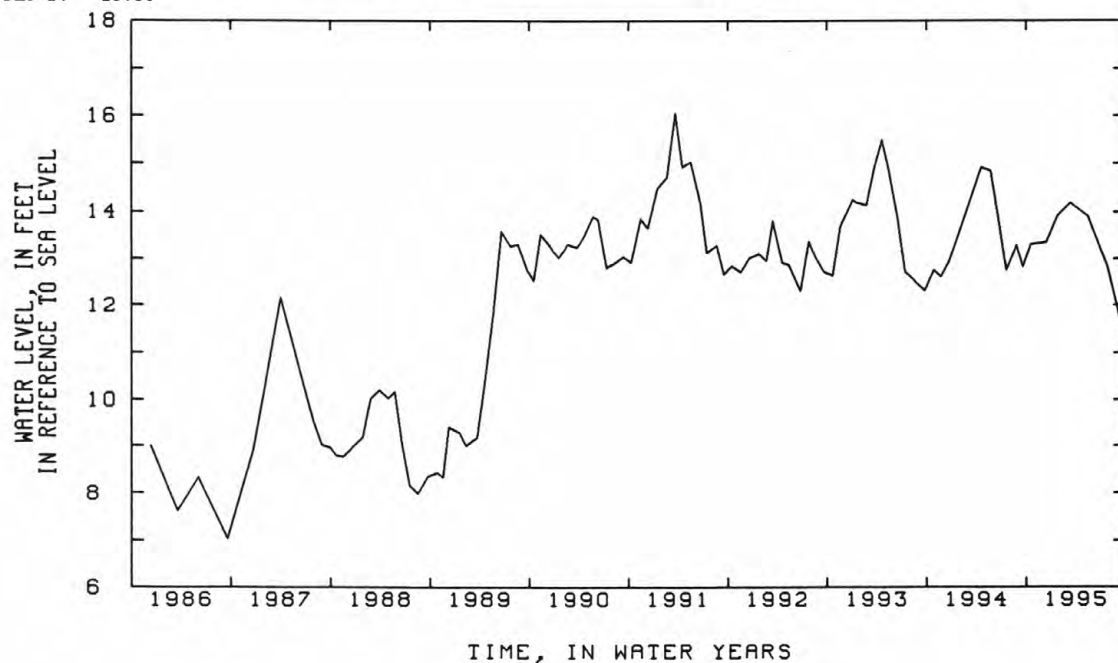
DATUM.--Land-surface datum is 31.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.80 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.81 ft above sea level, September 28, 1938; lowest measured, 5.78 ft above sea level, September 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	13.32	JAN 26	13.93	MAR 13	14.18	MAY 15	13.90	JUL 25	12.84	SEP 15	11.56
DEC 14	13.35										



404125073394802. Local number, N 1129.2

LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at east side of Euclid Avenue, 30 ft south of Hawthorne Street, West Hempstead. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.

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

DATUM.--Land-surface datum is 51.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.46 ft below land-surface datum.

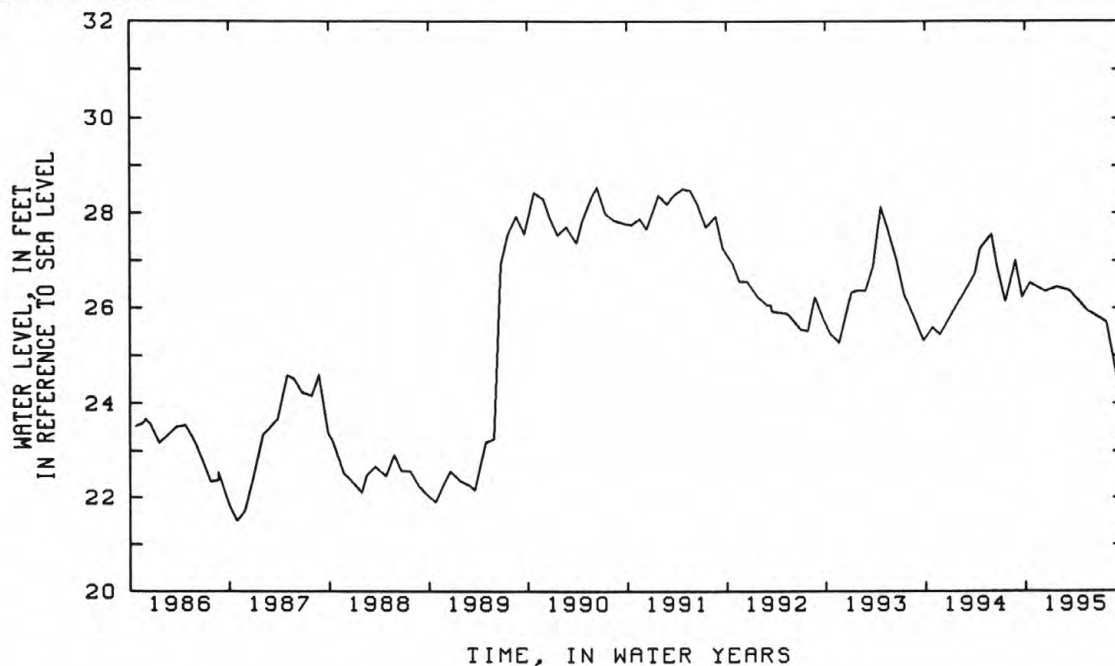
REMARKS.--Replaced well N 1129.1 in October 1986 at same location, unpublished record from August 1937 to October 1986 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--October 1986 to current year. Unpublished records from October 1986 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.46 ft above sea level, July 23, 1984; lowest measured, 21.49 ft above sea level, October 29, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	26.55	JAN 27	26.45	MAR 13	26.38	MAY 15	25.95	JUL 25	25.69	SEP 15	24.11
DEC 14	26.36										



405104073375201. Local number, N 1152.1

LOCATION.--Lat 40°51'04", long 73°37'52", Hydrologic Unit 02030201, at northwest corner of Sea Cliff Avenue and Center Street, Glen Cove. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 130 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 154.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.15 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.39 ft above sea level, July 13, 1961; lowest measured, 44.33 ft above sea level, April 12, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	48.59	JAN 19	48.22	MAY 18	47.86	JUN 15	47.47	JUL 25	47.15	SEP 21	46.41
DEC 15	48.22	MAR 15	48.12								

405027073272602. Local number, N 1243.5

LOCATION.--Lat 40°50'26", long 73°27'20", Hydrologic Unit 02030201, at south side of Stillwell Road, 98 ft west of Harbor Road, Cold Spring Harbor. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 28 ft, screened 25 to 28 ft.

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

DATUM.--Land-surface datum is 64.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.92 ft below land-surface datum.

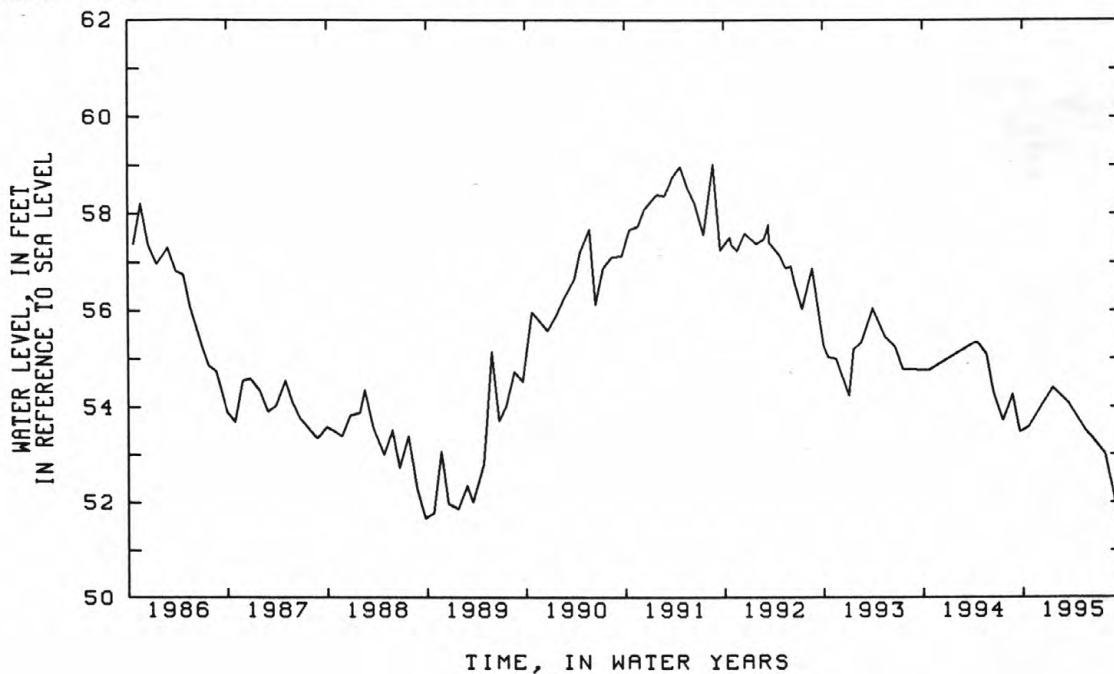
REMARKS.--Replaced well N 1243.4 in September 1975 at same location, unpublished records from November 1939 to September 1975 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.70 ft above sea level, March 21, 1978; lowest measured, 51.54 ft above sea level, September 20, 1995.

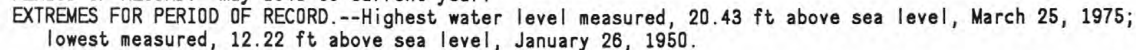
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	53.58	JAN 18	54.40	MAR 14	54.09	MAY 19	53.51	JUL 27	53.01	SEP 20	51.54
DEC 13	54.08										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft above sea level, February 21, 1978; lowest measured, 41.65 ft above sea level, September 28, 1995.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	44.71	DEC 28	44.27	FEB 27	44.34	APR 18	44.34	JUN 15	43.60	AUG 30	42.08
DEC 9	44.22	JAN 17	44.37	MAR 13	44.41	MAY 15	44.01	JUL 24	42.86	SEP 28	41.65

[illegible]

405019073415301. Local number, N 1482.1

LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 55 ft west of Pleasant Avenue, eastern most well, Port Washington. Owner: Nassau County Department of Public Works.

AQUIFER.--Port Washington (confining unit).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 151 ft, screened 148 to 151 ft.

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

DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of 2 1/2-in. steel casing, 0.23 ft below land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.31 ft above sea level, January 18, 1991; lowest measured, 19.18 ft below sea level, July 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.84	JAN 23	6.17	MAY 24	5.95	JUL 26	4.22	AUG 23	2.83	SEP 22	0.50
DEC 15	5.73	MAR 16	6.40	JUN 13	4.64						

405019073415302. Local number, N 1483.1

LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 58 ft west of Pleasant Avenue, middle well, Port Washington. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 99 ft, screened 96 to 99 ft.

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

DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of 2 1/2-in. steel casing, 0.55 ft below land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.94 ft above sea level, September 9, 1955; lowest measured, 7.13 ft below sea level, September 3, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	7.58	JAN 23	8.72	MAY 24	7.55	JUL 26	7.58	AUG 23	7.20	SEP 22	7.03
DEC 15	7.61	MAR 16	7.75	JUN 13	7.39						

405019073415303. Local number, N 1484.1

LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 61 ft west of Pleasant Avenue, western most well, Port Washington. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 52 ft, screened 50 to 52 ft.

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

DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of 2 1/2-in. steel casing, 0.88 ft below land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--April 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.11 ft above sea level, September 7, 1955; lowest measured, 6.19 ft above sea level, June 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	8.33	JAN 23	8.52	MAY 24	8.27	JUL 26	8.20	AUG 23	7.90	SEP 22	7.75
DEC 15	8.34	MAR 16	8.50	JUN 13	8.12						

404446073392904. Local number, N 1614.4

LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at west side of Herricks Road, 135 ft north of Birchwood Drive, North Hempstead. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 53 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 101.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 1.16 ft below land-surface datum.

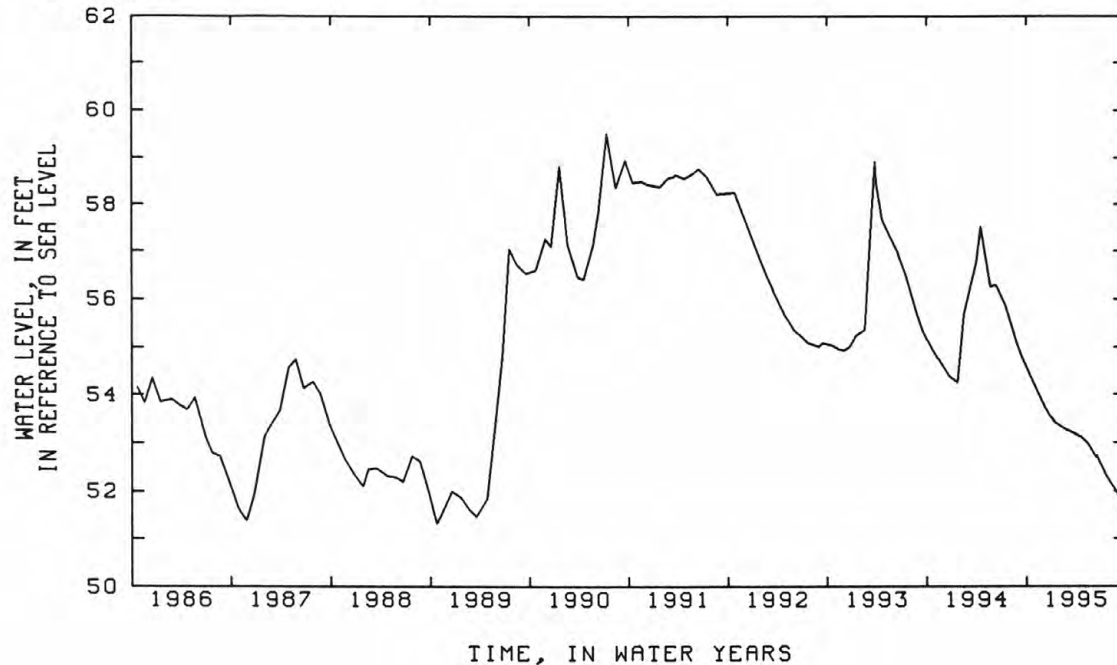
REMARKS.--Replaced well N 1614.3 in April 1966 at same location, unpublished records from December 1933 to September 1975 are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.78 ft above sea level, July 23, 1984; lowest measured, 48.42 ft above sea level, December 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	54.37	JAN 17	53.40	MAR 13	53.22	MAY 15	52.97	JUN 15	52.73	AUG 30	51.96
DEC 9	53.73	FEB 27	53.25	APR 18	53.11	JUN 13	52.69	JUL 24	52.29	SEP 28	51.48
28	53.54										



404209073340601. Local number, N 1615.3

LOCATION.--Lat 40°42'09", long 73°34'06", Hydrologic Unit 02030202, at east side of Merrick Avenue, 100 ft south of Van Buren Avenue, Freeport. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 33 ft, screened 30 to 33 ft.

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

DATUM.--Land-surface datum is 61.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.13 ft below land-surface datum.

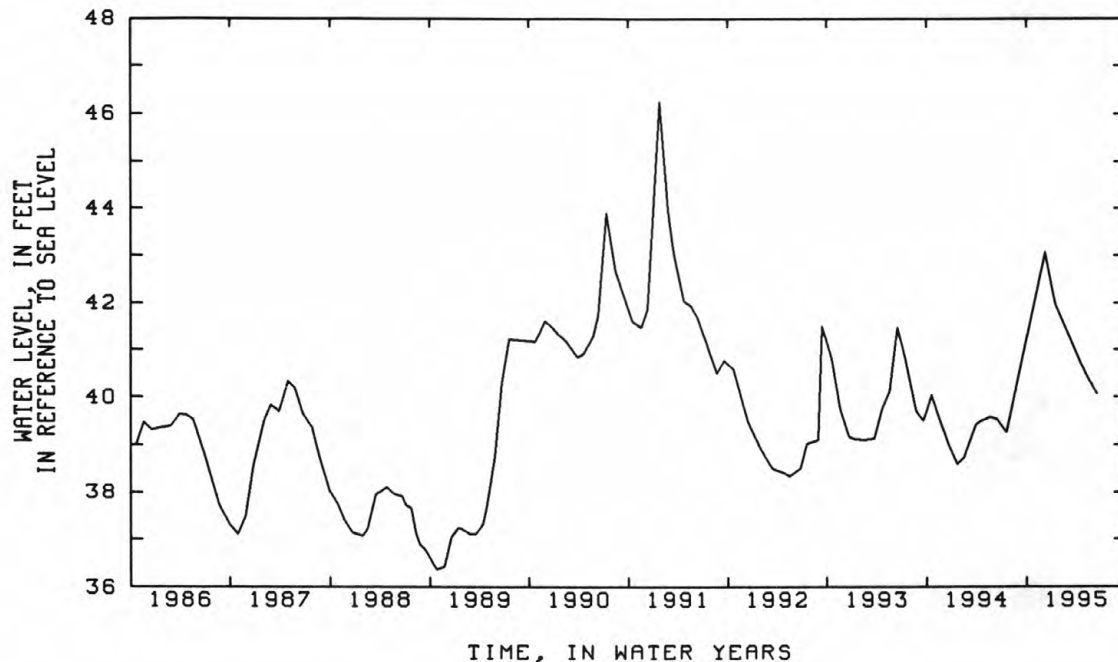
REMARKS.--Replaced well N 1615.2 in August 1966 at same location, unpublished record from March 1913 to August 1966 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--August 1966 to current year. Unpublished records from August 1966 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.25 ft above sea level, January 25, 1991; lowest measured, 36.37 ft above sea level, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	43.07	JAN 17	41.97	MAR 13	41.20	APR 18	40.71	MAY 15	40.38	JUN 15	40.07
28	42.50	FEB 27	41.43								



404554073351502. Local number, N 1616.2

LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at south side of Argyle Road, southern entrance, 40 ft west of Post Avenue, Old Westbury. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 68 ft, screened 65 to 68 ft.

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

DATUM.--Land-surface datum is 122.5 ft above sea level. Measuring point: Top of 2-in. steel casing, 0.42 ft below land-surface datum.

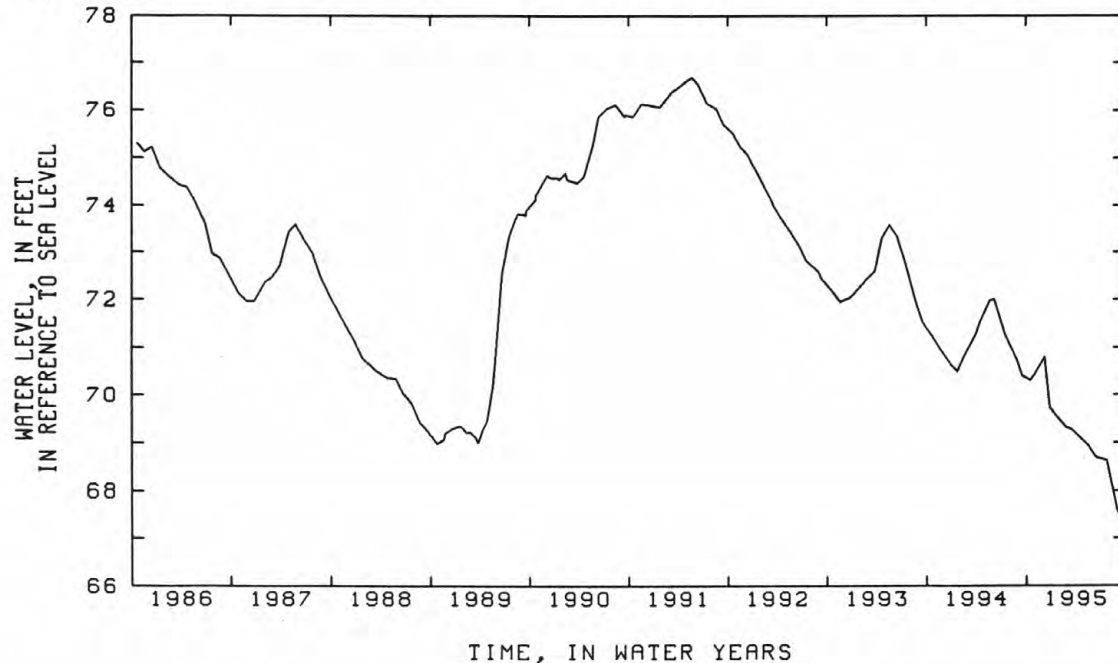
REMARKS.--Replaced well N 1616.1 in October 1965 at same location, it was previously screened in upper glacial aquifer, which has a period of record from March 1913 to October 1965.

PERIOD OF RECORD.--October 1965 to current year. Unpublished record from October 1965 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.14 ft above sea level, June 20, 1980; lowest measured, 67.22 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	70.30	JAN 17	69.58	MAR 13	69.28	MAY 15	68.94	JUN 15	68.68	AUG 30	67.60
DEC 9	70.81	FEB 27	69.31	APR 18	69.09	JUN 13	68.69	JUL 24	68.63	SEP 28	67.22
28	69.73										



405101073343401. Local number, N 2528.2

LOCATION.--Lat 40°50'01", long 73°34'32", Hydrologic Unit 02030201, at south side of Chicken Valley Road, 83 ft west of Wolver Hollow Road, eastern most well, Upper Brookville. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in. to 4 in., depth 328 ft, screened 278 to 282 ft.

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

DATUM.--Land-surface datum is 93.0 ft above sea level. Measuring point: Top of 4-in. steel reducer, 0.86 ft above land-surface datum.

REMARKS.--Replaced well N 2528.1 in November 1947.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft above sea level, July 25, 1957; lowest measured, 59.12 ft above sea level, February 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	66.12	JAN 18	65.49	MAY 22	64.69	JUN 13	64.52	JUL 27	64.06	SEP 20	63.25
DEC 13	65.58	MAR 14	65.26								

404619073270801. Local number, N 3355.2

LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at former site of Nassau County Sanitarium, 336 ft west of Round Swamp Road, south of Locust Road, in wooden recorder shelter, Plainview. Owner: United States Geological Survey.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in. to 8 in., depth 1,093 ft, screened 1,070 to 1,090 ft.

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

DATUM.--Land-surface datum is 183.0 ft above sea level. Measuring point: Top of 8-in. steel casing, 0.28 ft below land-surface datum.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft above sea level, April 10, 1957; lowest measured, 23.18 ft above sea level, April 11, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	30.01	DEC 13	30.63	JAN 19	30.95	MAR 14	31.19				

403751073440201. Local number, N 3861.1

LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, 28 ft east of Arlington Place, north of Peninsula Boulevard, Cedarhurst. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 530 ft, screened 519 to 530 ft.

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

DATUM.--Land-surface datum is 7.0 ft above sea level. Measuring point: Top of 6-in. steel casing, 2.37 ft above land-surface datum.

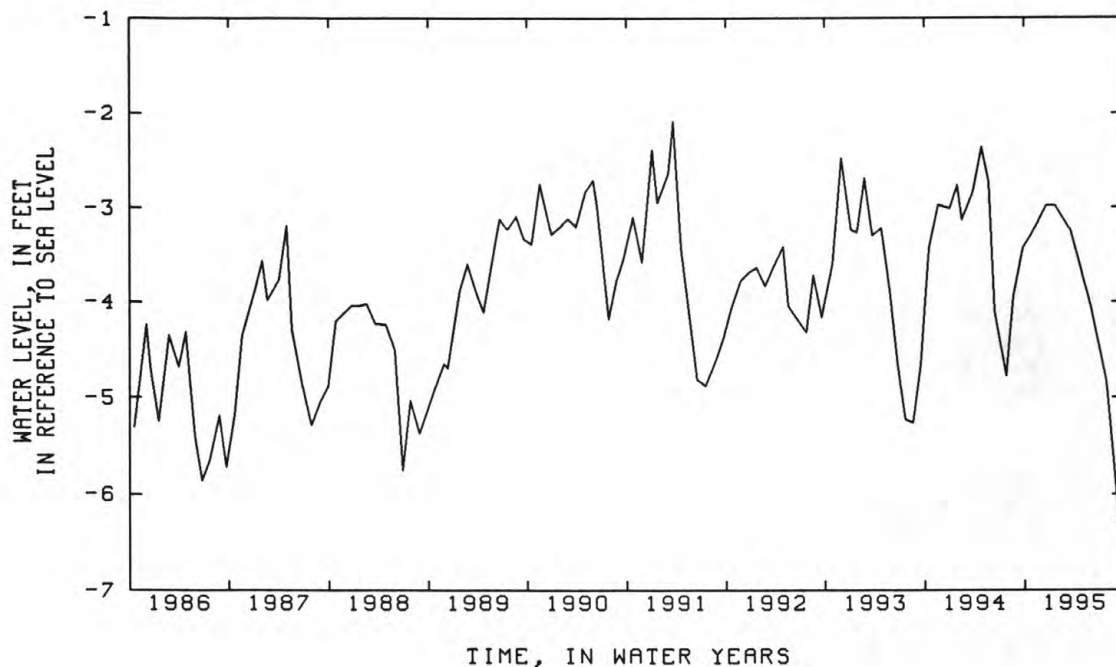
REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--April 1952 to current year. Unpublished records from April 1952 to September 1975 are available in files of Long Island Subdistrict Office.

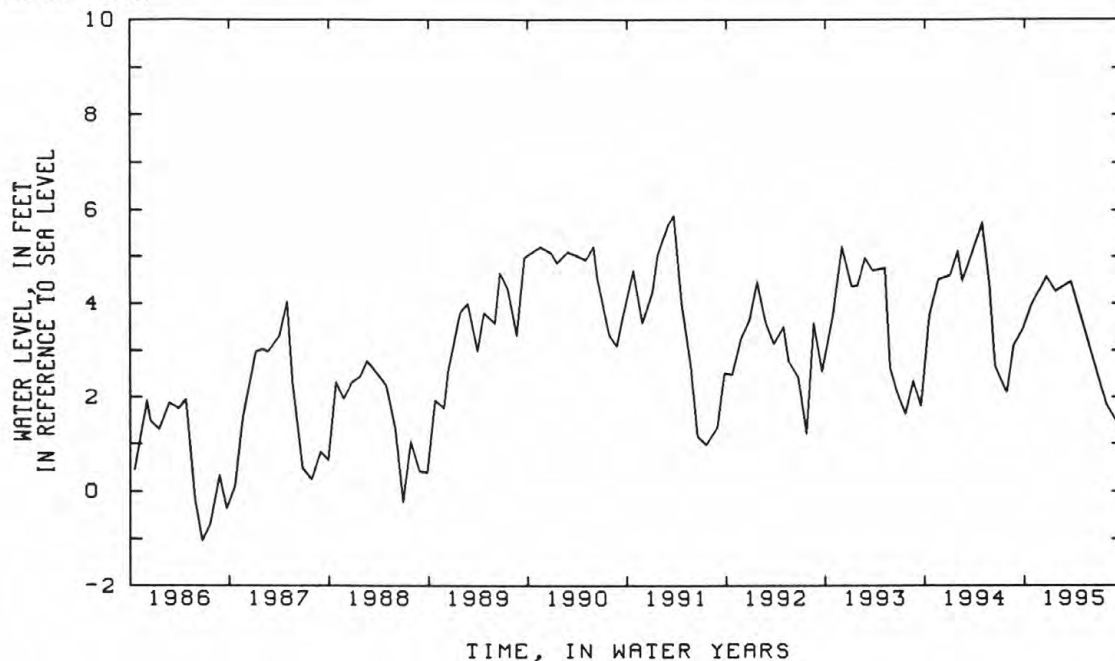
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.09 ft below sea level, March 20, 1991; lowest measured, 7.57 ft below sea level, August 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-3.30	JAN 23	-2.98	MAR 20	-3.25	MAY 31	-4.05	JUL 28	-4.82	SEP 14	-6.32
DEC 20	-2.98										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft above sea level, January 28, 1953; lowest measured, 2.61 ft below sea level, July 19, 1977.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft above sea level, November 10, 1975; lowest measured, 0.30 ft above sea level, September 20, 1977.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24 DEC 20	3.80 4.19	JAN 23	3.84	MAR 20	4.01	MAY 31	2.89	JUL 28	2.18	SEP 14	2.04

LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock parking field, south end of Woodmere Boulevard, on west side of sewer treatment substation, Woodsburgh. Owner: Nassau County Department of Public Works.

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 153 ft., screened 149 to 153 ft.

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

DATUM.--Land-surface datum is 6.0 ft above sea level. Measuring point: Top of 6-in. steel casing at yellow arrow, 3.00 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.27 ft above sea level, March 21, 1984; lowest measured, 0.26 ft below sea level, September 30, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.04	DEC 20	4.35	MAR 20	4.31	MAY 31	3.08	JUL 28	2.33	SEP 14	2.11

LOCATION.--Lat 40°38'43", long 73°34'07", Hydrologic Unit 02030202, at south side of Albany Avenue, in driveway of Nassau County Department of Public Works building, Freeport. Owner: United States Geological Survey.

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 765 ft, screened 729 to 745 ft.

INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by USGS personnel.

DATUM.--Land-surface datum is 6.5 ft above sea level. Measuring point: Top of 1/2-in. steel valve, 0.55 ft below land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--January 1968 to current year. Unpublished records from January 1968 to September 1987 are available in files of Long Island sub-district Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.25 ft above sea level, July 1, 1975;
lowest measured, 5.24 ft above sea level, July 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	7.57	DEC 21	7.75	JAN 31	8.22	MAR 16	8.05				

LOCATION.--Lat 40°39'12", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, 34 ft south of Brook Road, 32 ft east of stream, western most well, Green Acres. Owner: Nassau County Department of Public Works.

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 134 ft, screened 130 to 134 ft.

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

DATUM.--Land-surface datum is 5.0 ft above sea level. Measuring point: Top of 6-in. steel casing, 3.42 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft above sea level, June 30, 1975; lowest measured, 2.40 ft below sea level, March 22, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24 DEC 20	3.47 4.52	JAN 23	3.85	MAR 20	4.46	MAY 31	2.60	JUL 28	1.60	SEP 14	1.09

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, 300 ft north of Middle Neck Road, western most well, Sands Point. Owner: United States Geological Survey.

AQUIFER.--Port Washington (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 396 ft, screened 378 to 388 ft.

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

DATUM.--Land-surface datum is 100.9 ft above sea level. Measuring point: Top of 6-in. steel casing, 1.32 ft above land-surface datum.

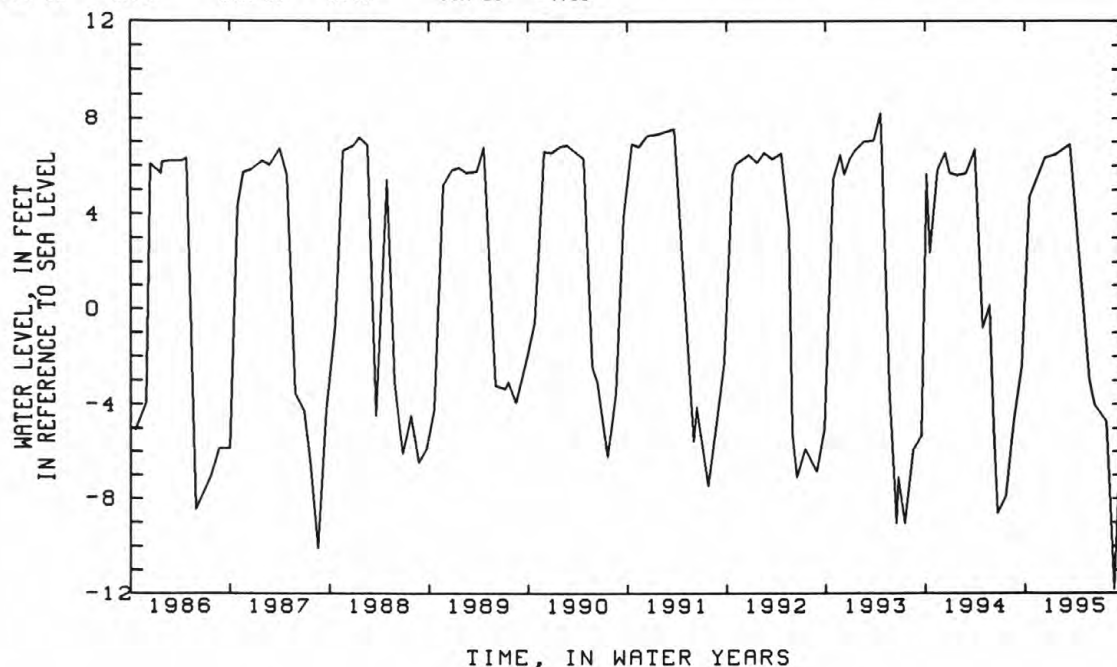
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

PERIOD OF RECORD.--August 1957 to current year. Unpublished records from August 1957 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.49 ft above sea level, May 31 and June 1, 1983; lowest measured, 28.36 ft below sea level, February 17, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	4.72	JAN 23	6.47	MAY 24	-3.00	JUL 26	-4.71	AUG 23	-11.82	SEP 22	-4.29
DEC 15	6.35	MAR 16	6.90	JUN 13	-4.03						



405001073343205. Local number, N 6294.2

LOCATION.--Lat 40°50'01", long 73°34'32", Hydrologic Unit 02030201, at south side of Chicken Valley Road, 85 ft west of Wolver Hollow Road, western most well, Upper Brookville. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 37 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 93.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1982 to current year. Unpublished records from September 1982 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.07 ft above sea level, December 18, 1984; lowest measured, 63.20 ft above sea level, September 20, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	66.09	JAN 18	65.72	MAY 22	64.67	JUN 13	64.44	JUL 27	63.98	SEP 20	63.20
DEC 13	65.91	MAR 14	65.08								

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft above sea level, September 14, 1984; lowest measured, 14.06 ft above sea level, February 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	19.78	JAN 23	18.39	MAY 24	18.02	JUL 26	18.63	AUG 23	18.61	SEP 22	18.27
DEC 15	18.86	MAR 16	17.96	JUN 13	18.50						

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.80 ft above sea level, February 2, 1979; lowest measured, 63.30 ft above sea level, April 22, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	66.55	JAN 18	65.66	MAY 22	64.90	JUN 13	64.75	JUL 27	64.67	SEP 20	64.35
DEC 13	66.04	MAR 14	65.45								

403517073430702. Local number, N 6702.1

LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, 300 ft north of Beech Street, in eastern most recorder shelter, Atlantic Beach. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 677 ft, screened 666 to 677 ft.

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

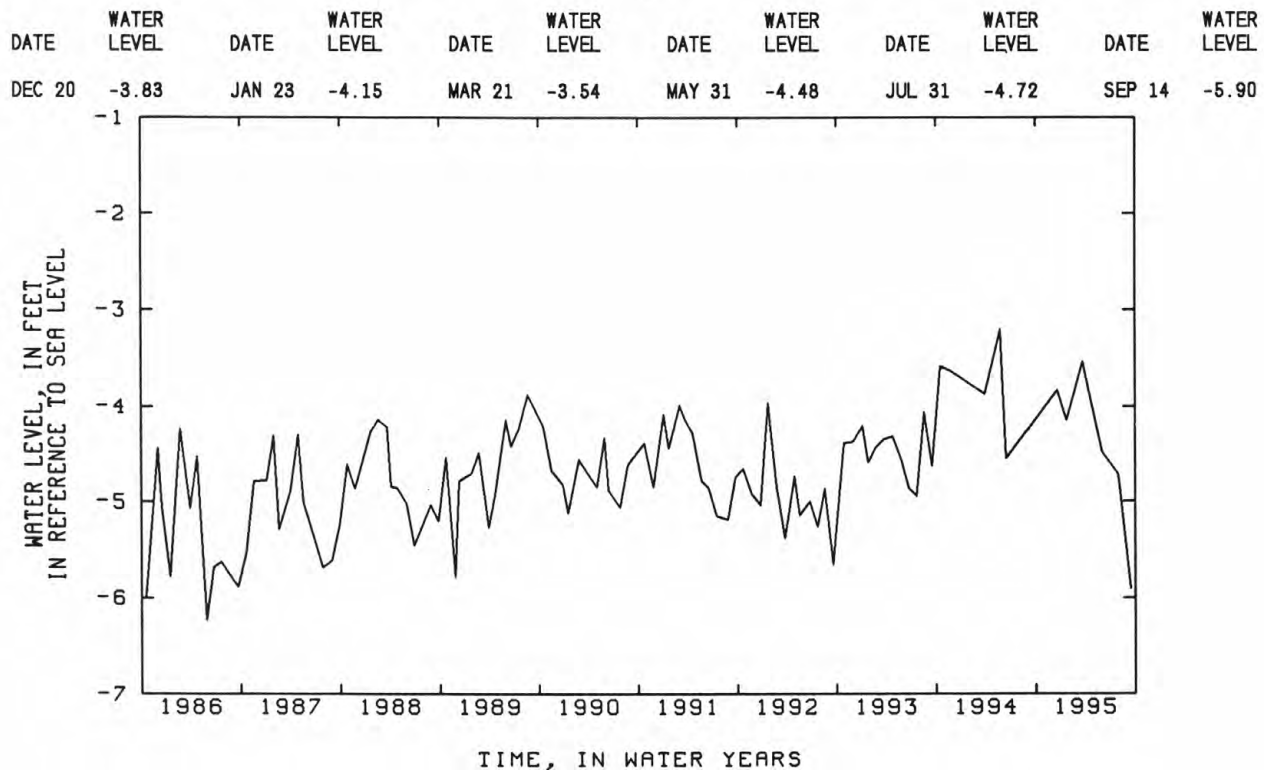
DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 1.04 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--September 1959 to current year. Unpublished records from September 1959 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft below sea level, April 13, 1961; lowest measured, 6.58 ft below sea level, November 30, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



403517073430705. Local number, N 6705.1

LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, 300 ft north of Beech Street, in western most recorder shelter, Atlantic Beach. Owner: United States Geological Survey.

AQUIFER.--Jameco (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 157 ft, screened 147 to 157 ft.

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

DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 2.45 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1968 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.12 ft above sea level, March 3, 1969; lowest measured, 2.77 ft below sea level, April 5, 1973.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	1.66	JAN 27	1.35	MAR 21	1.69	MAY 31	1.29	JUL 31	1.38	SEP 14	1.48

403713073415902. Local number, N 6707.1

LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock parking field, south end of Woodmere Boulevard, on north side of sewage treatment substation, Woodsburgh. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 503 ft, screened 493 to 503 ft.

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

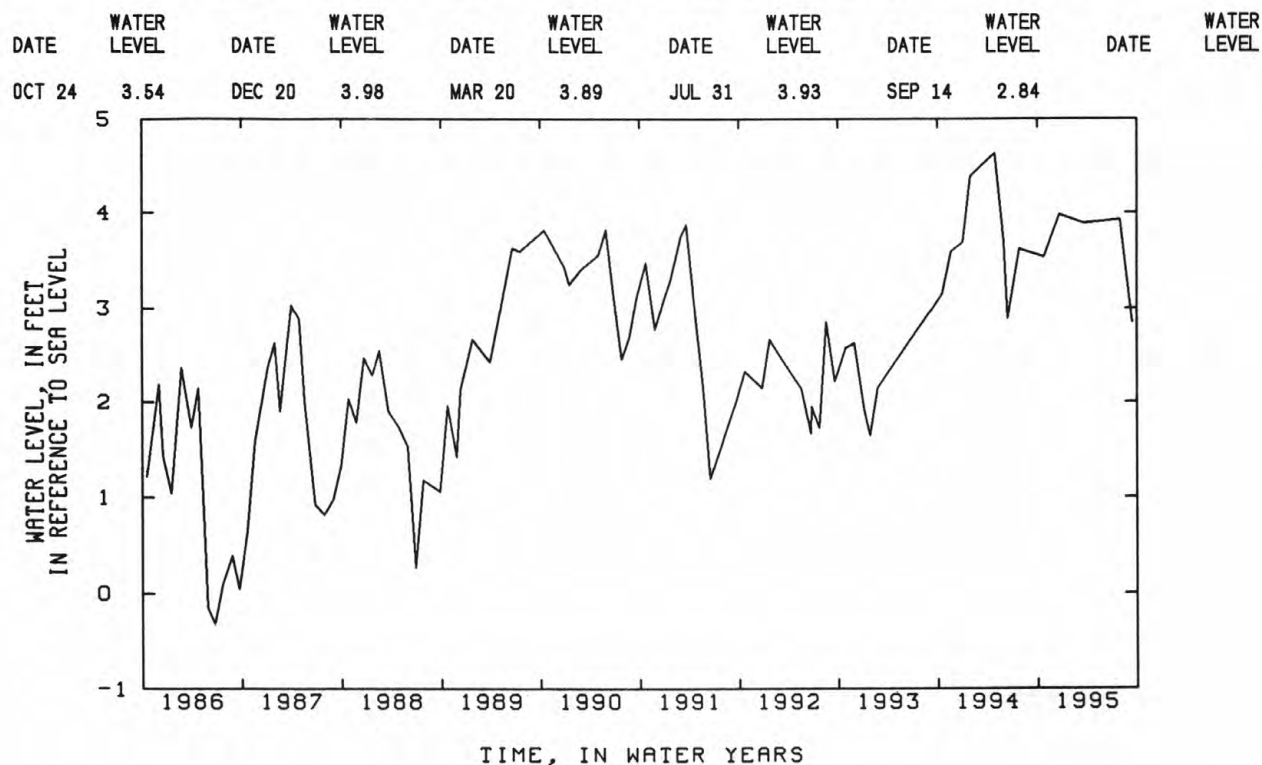
DATUM.--Land-surface datum is 6.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 1.08 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.64 ft above sea level, April 29, 1994; lowest measured, 1.33 ft below sea level, July 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



403533073353201. Local number, N 6849.1

LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 miles west of Loop Parkway, in southern most recorder shelter, Lido Beach. Owner: United States Geological Survey.

AQUIFER.--Raritan (confining unit).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,040 ft, screened 1,027 to 1,037 ft.

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

DATUM.--Land-surface datum is 7.0 ft above sea level. Measuring point: Top of 6-in. steel casing, 2.36 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.01 ft above sea level, May 21, 1993; lowest measured, 3.88 ft above sea level, December 22, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	6.05	DEC 21	5.88	JAN 31	6.47	MAR 16	6.36	MAY 16	6.87	SEP 13	5.85

403533073353202. Local number, N 6850.2

LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 miles west of Loop Parkway, in northern most recorder shelter, Lido Beach. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 913 ft, screened 898 to 909 ft.

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

DATUM.--Land-surface datum is 6.6 ft above sea level. Measuring point: Top of 6-in. steel coupling, 2.58 ft above land-surface datum.

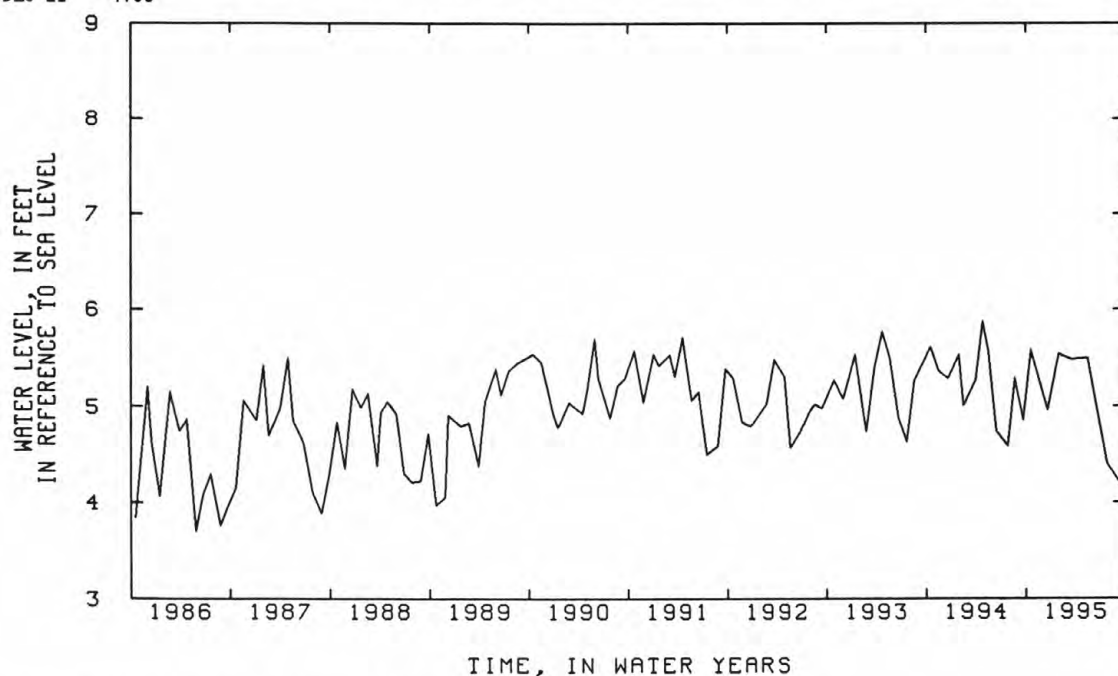
REMARKS.--Water level affected by tidal fluctuation and nearby pumping. Replaced well N 6850.1 in May 1960.

PERIOD OF RECORD.--June 1960 to current year. Unpublished records from June 1960 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft above sea level, April 13, 1961; lowest measured, 2.69 ft above sea level, October 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	5.58	JAN 31	5.54	MAR 16	5.48	MAY 16	5.49	JUL 26	4.40	SEP 13	4.19
DEC 21	4.96										



405311073331801. Local number, N 6879.1

LOCATION.--Lat 40°53'11", long 73°33'18", Hydrologic Unit 02030201, at west side of private road, 165 ft south of Cleft Road, opposite Horse Shoe Road, Mill Neck. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 131 ft, screened 129 to 131 ft.

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

DATUM.--Land-surface datum is 131.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.47 ft above land-surface datum.

PERIOD OF RECORD.--April 1962 to current year. Unpublished records from April 1962 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft above sea level, June 22, 1979; lowest measured, 24.82 ft above sea level, October 21, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	28.15	JAN 19	27.61	MAY 16	27.19	JUN 13	27.04	JUL 25	26.88	SEP 21	26.60
DEC 15	27.80	MAR 16	27.32								

405432073345001. Local number, N 7152.1

LOCATION.--Lat 40°54'33", long 73°34'46", Hydrologic Unit 02030201, at Oak Neck Beach, 35 ft north of Bayville Avenue, east of beach parking field, Bayville. Owner: United States Geological Survey.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in. to 2 in., depth 370 ft, screened 360 to 370 ft.

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

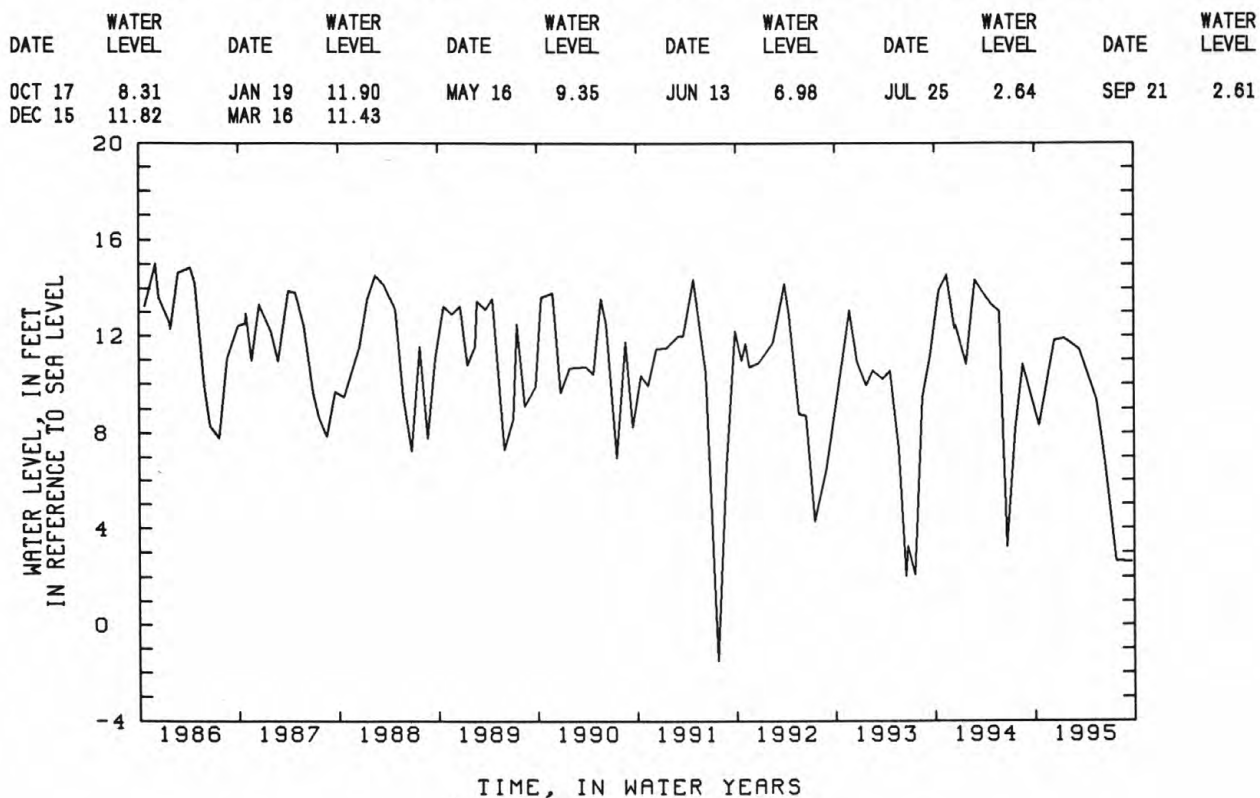
DATUM.--Land-surface datum is 14.5 ft above sea level. Measuring point: Top of 6-in. steel nipple, 3.63 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation and nearby pumping.

PERIOD OF RECORD.--September 1961 to current year. Unpublished records from September 1961 to September 1975 are available in files of Long Island Subdistrict Office.

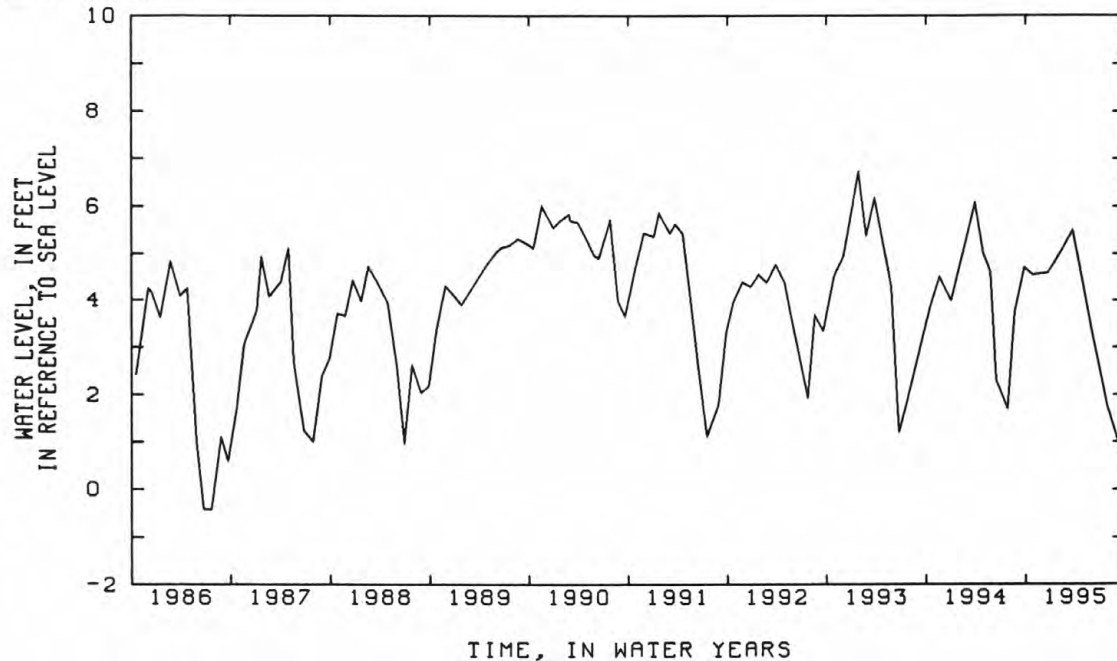
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft above sea level, February 5, 1962; lowest measured, 5.50 ft below sea level, June 27, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.03 ft above sea level, March 13, 1962; lowest measured, 2.81 ft below sea level, July 13, 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24 DEC 20	4.53 4.58	JAN 23	4.89	MAR 22	5.51	MAY 31	3.32	JUL 28	1.75	SEP 14	0.84



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft above sea level, June 30, 1975; lowest measured, 1.47 ft above sea level, January 30, 1970.

[illegible]

404237073433701. Local number, N 7493.1

LOCATION.--Lat 40°42'36", long 73°43'35", Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 353 ft, screened 349 to 353 ft.

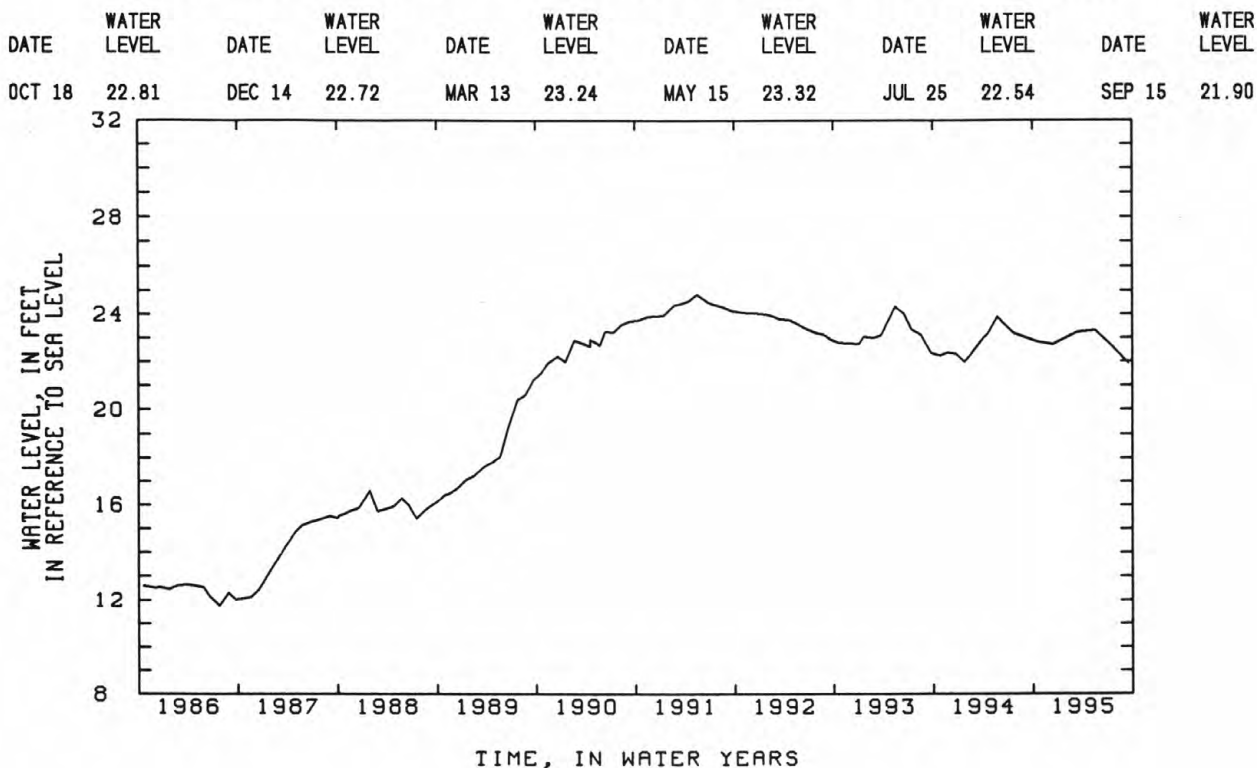
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 75.0 ft above sea level. Measuring point: Top of 4-in. steel flange, 2.59 ft above land-surface datum.

PERIOD OF RECORD.--April 1964 to current year. Unpublished records from April 1964 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.84 ft above sea level, May 17, 1991; lowest measured, 3.52 ft above sea level, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



404705073394902. Local number, N 7554.2

LOCATION.--Lat 40°47'05", long 73°39'49", Hydrologic Unit 02030202, at Christopher Morley Park, 55 ft east of Searingtown Road, just north of main entrance to park, North Hills. Owner: Port Washington Water District.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in. to 6 in., depth 464 ft, screened 454 to 464 ft.

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

DATUM.--Land-surface datum is 190.0 ft above sea level. Measuring point: Top of 2-in. steel coupling, 5.57 ft above land-surface datum.

REMARKS.--Replaced well N 7554.1 in May 1984.

PERIOD OF RECORD.--March 1964 to current year. Unpublished records from March 1964 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.62 ft above sea level, April 28, 1965; lowest measured, 21.52 ft above sea level, July 18, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	37.53	JAN 26	35.97	MAY 15	33.12	JUL 25	29.25	AUG 23	26.89	SEP 15	26.89
DEC 14	41.09	MAR 13	33.63	JUN 13	31.48						

404947073450301. Local number, N 8046.1

LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at south side of Pond Road, 85 ft west of Hayworth Drive, eastern most well, Kings Point. Owner: Nassau County Department of Public Works.

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

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

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

DATUM.--Land-surface datum is 9.3 ft above sea level. Measuring point: Top of 4-in. steel casing, 2.36 ft above land-surface datum.

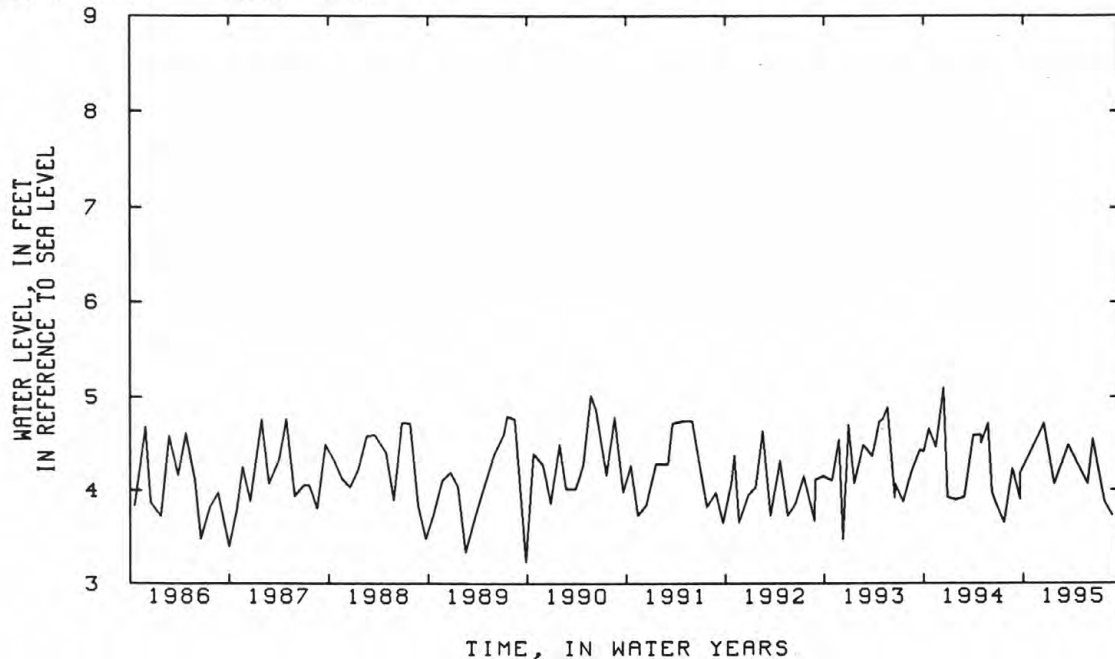
REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft above sea level, February 6, 1978; lowest measured, 1.20 ft below sea level, July 19, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	4.35	JAN 23	4.06	MAY 25	4.06	JUN 14	4.55	JUL 26	3.87	AUG 24	3.73
DEC 16	4.71	MAR 15	4.48								



404947073450201. Local number, N 8052.1

LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at south side of Pond Road, 91 ft west of Hayworth Drive, western most well, Kings Point. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 94 ft, screened 90 to 94 ft.

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

DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 2-in. steel casing, 0.65 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.35 ft above sea level, June 20, 1974; lowest measured, 1.70 ft above sea level, January 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	5.02	JAN 23	4.74	MAY 25	4.43	JUL 26	4.36	AUG 24	4.32	SEP 22	4.27
DEC 16	5.26	MAR 15	5.01	JUN 14	5.16						

404535073370002. Local number, N 8269.2

Location.--Lat 40°45'35", long 73°37'00", Hydrologic Unit 02030202, at east side of Bacon Road, 106 ft north of Hillside Avenue, south of school entrance, Old Westbury. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy (water-table).

WELL CHARACTERISTICS.--Driven steel observation well, diameter 4 in., depth 86 ft, screened 81 to 86 ft.

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

DATUM.--Land-surface datum is 111.7 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.15 ft below land-surface datum.

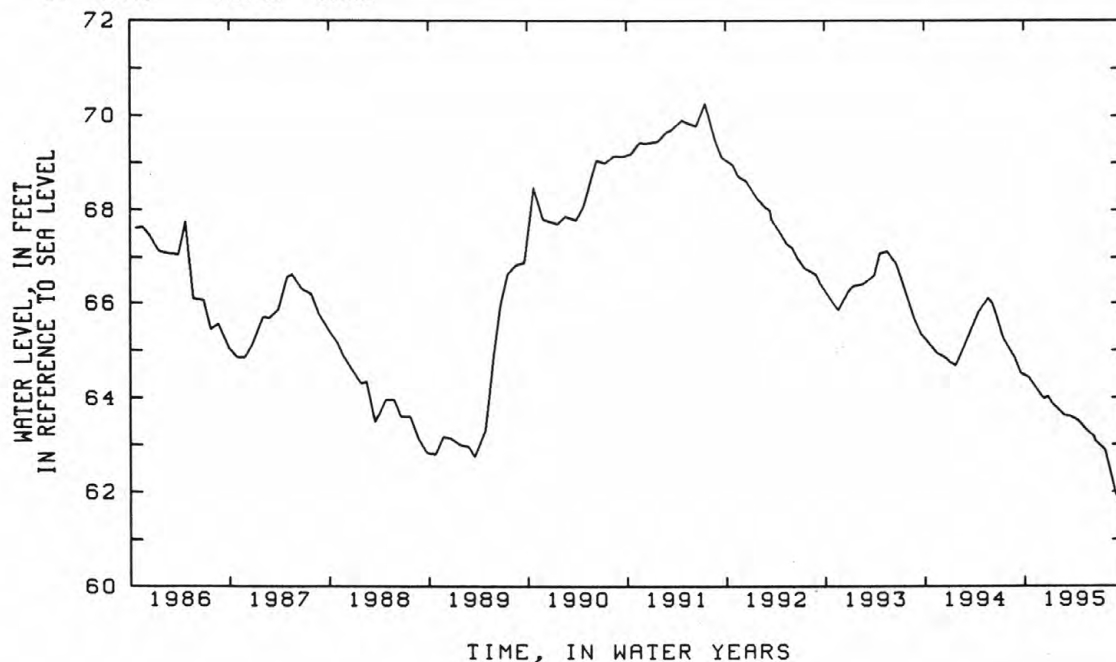
REMARKS.--Prior to April 1967, well at site (N 1258.1) was screened in the upper glacial aquifer. Well N 1258.1 was replaced by well 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.

PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.18 ft above sea level, May 21, 1980; lowest measured, 61.63 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	64.43	DEC 28	64.03	MAR 13	63.61	MAY 15	63.29	JUN 15	63.09	AUG 30	61.96
DEC 9	64.01	JAN 17	63.84	APR 18	63.49	JUN 13	63.16	JUL 24	62.87	SEP 28	61.63
14	63.99	FEB 27	63.62								



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.81 ft above sea level, June 20, 1980;
lowest measured, 33.07 ft above sea level, September 27, 1989.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	37.62	DEC 15	38.27	MAR 16	39.54	JUN 13	38.41	AUG 23	36.31	SEP 15	35.27
DEC 14	38.16	JAN 26	39.13	MAY 15	38.93	JUL 25	37.58				

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.62 ft above sea level, March 26, 1993;
lowest measured, 1.04 ft below sea level, June 11, 1974.

[illegible]

404702073305601. Local number, N 8888.1

LOCATION.--Lat 40°47'03", long 73°30'56", Hydrologic Unit 02030202, at north side of Miller Place, 59 ft east of Vincent Road, Hicksville. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 111 ft, screened 106 to 111 ft.

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

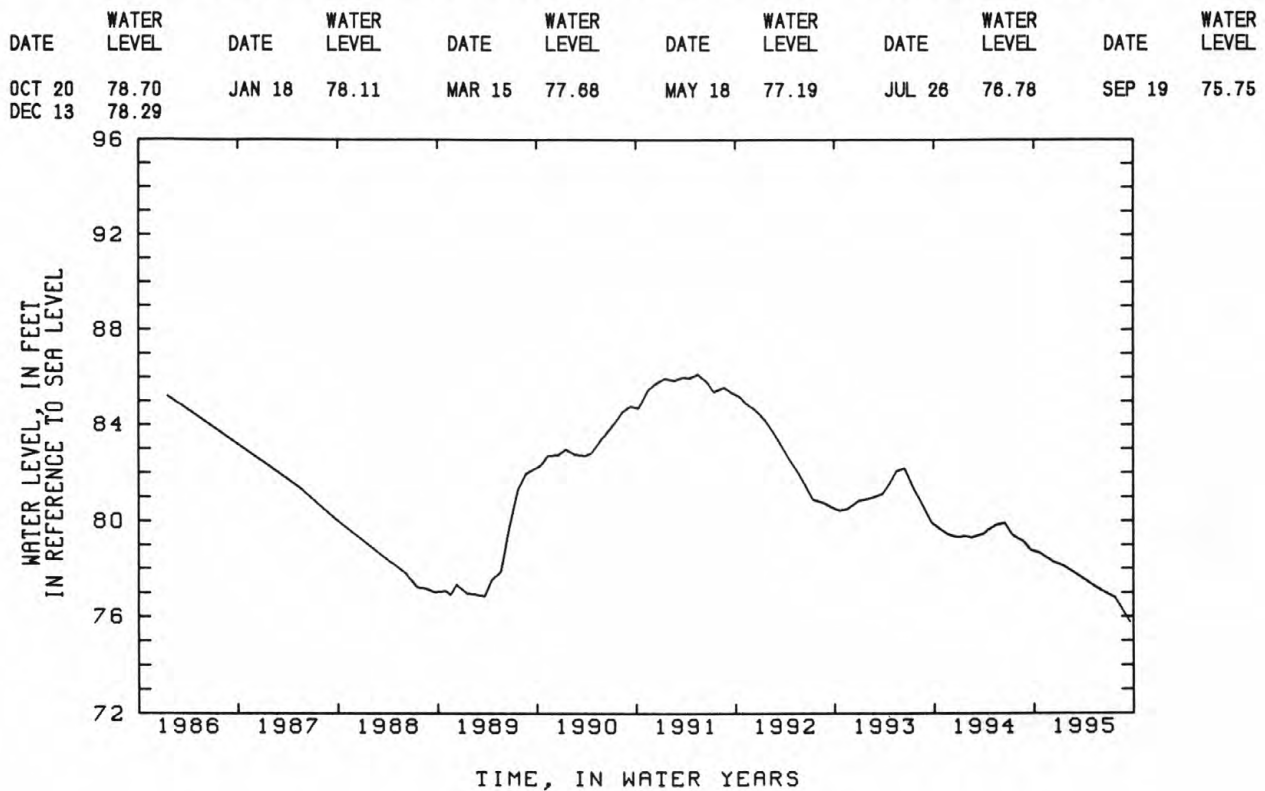
DATUM.--Land-surface datum is 174.0 ft above sea level. Measuring point: Top of 4-in. steel casing, 0.49 ft above land-surface datum.

REMARKS.--Replaced well N 1213.1 in October 1972.

PERIOD OF RECORD.--October 1972 to current year. Unpublished records from October 1972 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.22 ft above sea level, September 14, 1979; lowest measured, 75.75 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



404757073440401. Local number, N 9099.1

LOCATION.--Lat 40°47'57", long 73°44'04", Hydrologic Unit 02030201, at west side of Middle Neck Road, 33 ft north of Preston Road, Great Neck. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 71 ft, screened 66 to 71 ft.

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

DATUM.--Land-surface datum is 60.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.37 ft below land-surface datum.

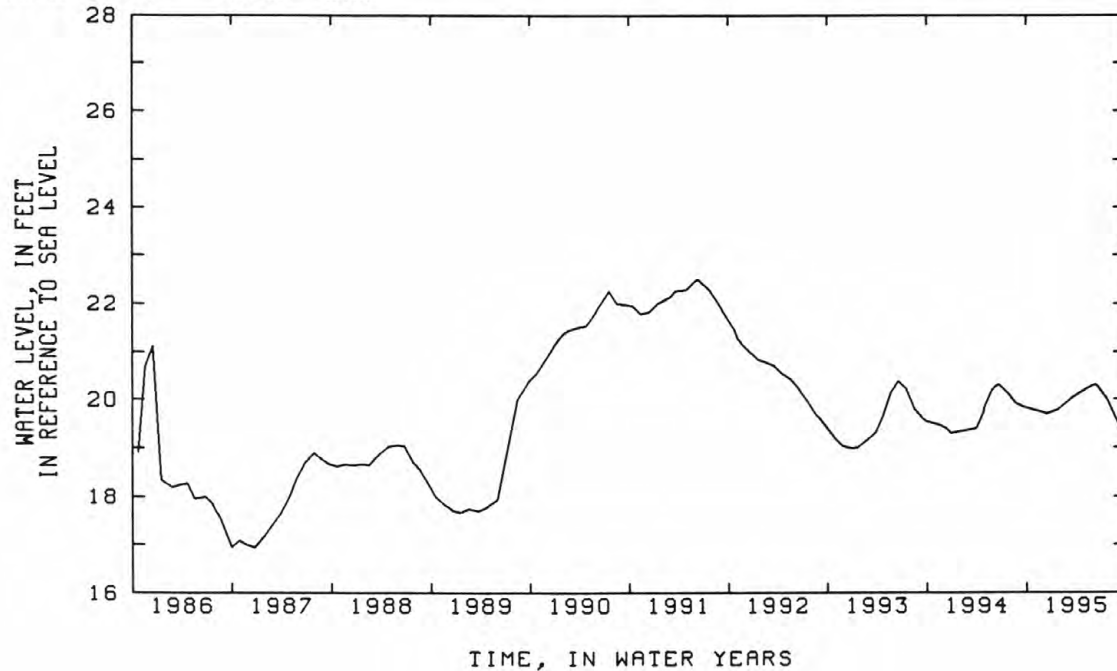
REMARKS.--Replaced well N 1479.1 in February 1976, which has a period of record from September 1944 to February 1976 unpublished and are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.45 ft above sea level, June 7, 1976; lowest measured, 14.90 ft above sea level, November 26, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	19.70	MAR 15	20.01	JUN 14	20.31	JUL 26	19.97	AUG 24	19.62	SEP 22	19.29
JAN 23	19.78	MAY 25	20.27								



404901073443004. Local number, N 9208.2

LOCATION.--Lat 40°49'01", long 73°44'30", Hydrologic Unit 02030201, at pumping field, 174 ft south of Wildwood Road, east of Catalina Drive, Kings Point. Owner: Nassau County Department of Public Works.

AQUIFER.--Port Washington (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 96 ft, screened 91 to 96 ft.

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

DATUM.--Land-surface datum is 18.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.82 ft below land-surface datum.

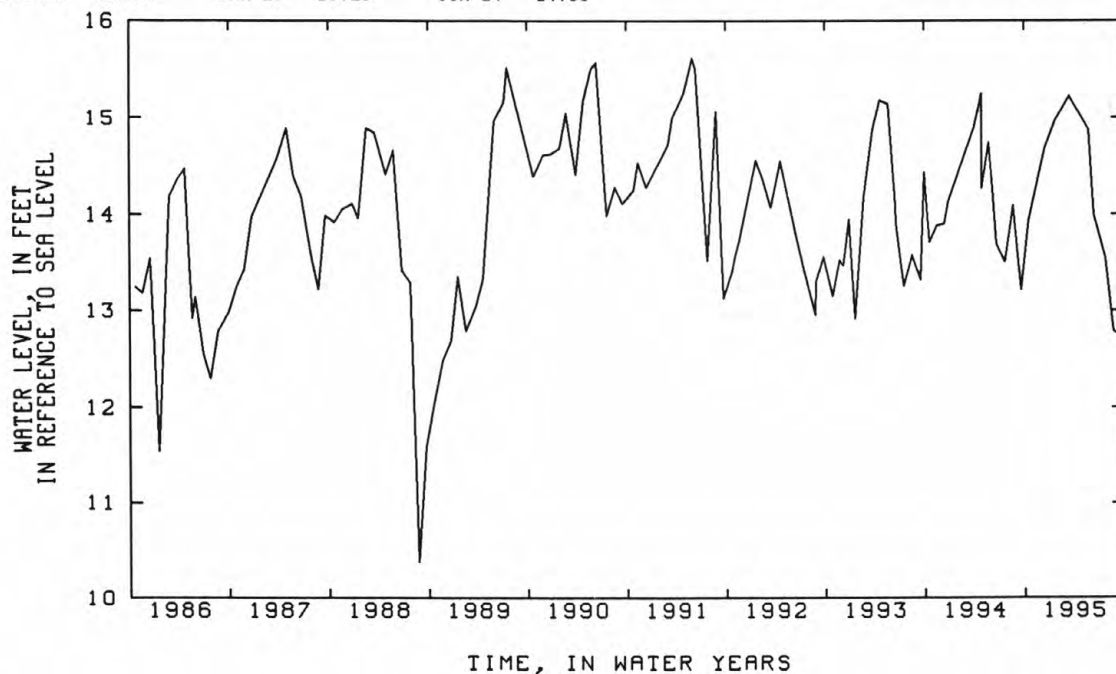
REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--June 1977 to current year. Unpublished records from June 1977 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.50 ft above sea level, May 23, 1983; lowest measured, 5.68 ft above sea level, April 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	13.94	JAN 23	14.97	MAY 25	14.88	JUL 26	13.55	AUG 24	12.78	SEP 22	12.75
DEC 16	14.68	MAR 15	15.23	JUN 14	14.00						



404232073432501. Local number, N 9979.1

LOCATION.--Lat 40°42'32", long 73°43'25", Hydrologic Unit 02030202, at west side of Wellington Road, 279 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 95 ft, screened 87 to 92 ft.

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

DATUM.--Land-surface datum is 71.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.36 ft below land-surface datum.

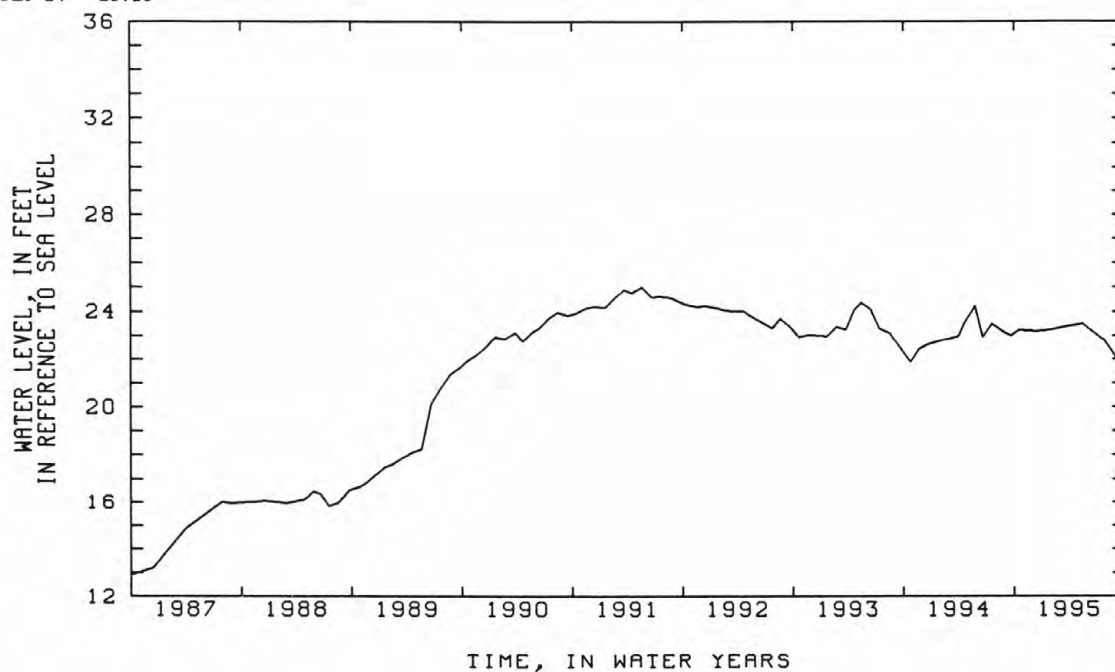
REMARKS.--Replaced well N 1622.4 in June 1982.

PERIOD OF RECORD.--December 1982 to current year. Unpublished records from December 1982 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.98 ft above sea level, May 17, 1991; lowest measured, 5.39 ft above sea level, April 8, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	23.22	JAN 26	23.23	MAR 13	23.37	MAY 15	23.48	JUL 25	22.77	SEP 15	21.84
DEC 14	23.18										



404338073371502. Local number, N 10035.1

LOCATION.--Lat 40°43'38", long 73°37'15", Hydrologic Unit 02030202, at north side of Commercial Avenue, 60 ft east of Clinton Avenue, Garden City. Owner: Nassau County Department of Public Works.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 56 ft, screened 48 to 53 ft.

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

DATUM.--Land-surface datum is 77.6 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.38 ft below land-surface datum.

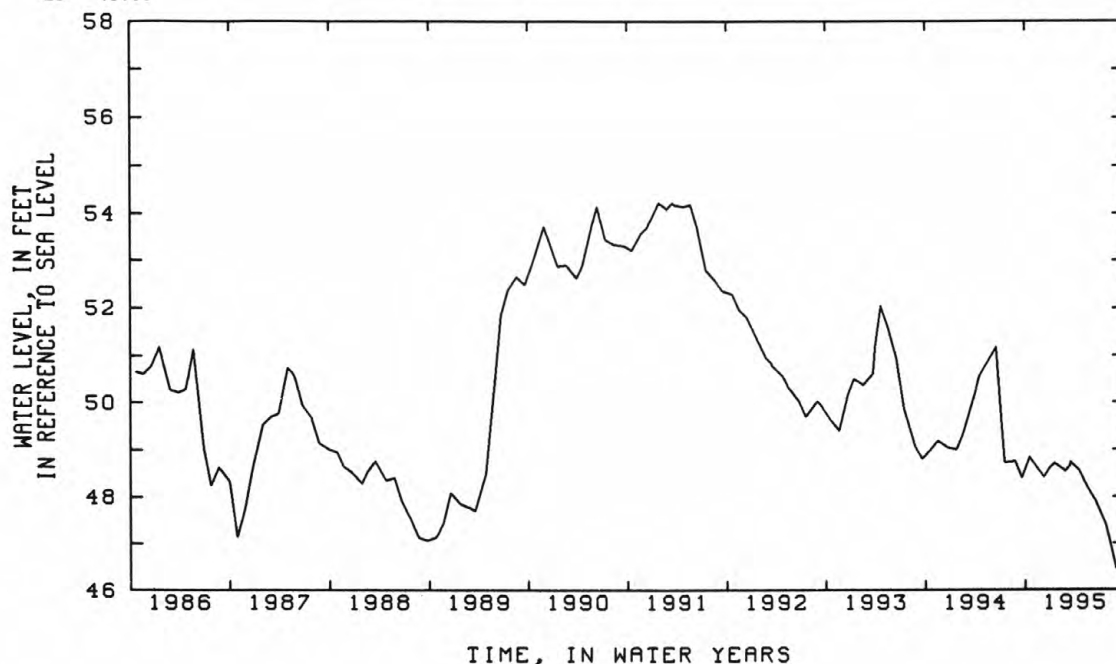
REMARKS.--Replaced well N 1255.2 in October 1982, records from May 1913 to October 1982 are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.04 ft above sea level, August 8, 1984; lowest measured, 46.37 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	48.83	JAN 17	48.70	MAR 13	48.65	APR 18	48.53	JUN 15	47.91	AUG 30	46.45
DEC 9	48.42	FEB 27	48.53	14	48.73	MAY 15	48.21	JUL 24	47.39	SEP 28	46.37
28	48.58										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.68 ft above sea level, February 23, 1993; lowest measured, 27.40 ft below sea level, September 14, 1976.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.79 ft above sea level, January 1, 1945; lowest measured, 0.96 ft below sea level, September 5, 1969.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.38	DEC 22	6.81	JAN 24	7.22	MAY 30	7.74	SEP 26	6.76		

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.23 ft above sea level, February 20, 1992; lowest measured, 7.44 ft below sea level, July 29, 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24 DEC 22	7.82 9.65	JAN 24	8.84	MAR 16	9.43	MAY 24	9.23	JUL 28	8.10	SEP 26	5.60

404541073452602. Local number, Q 471.1

LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at southbound side of Cross Island Parkway, 313 ft south of Northern Boulevard (Rt. 25A), northern most well, Bayside. Owner: City of New York.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 118 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 23.7 ft above sea level. Measuring point: Top of steel flange, 5.22 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--March 1939 to current year. Unpublished records from March 1939 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.15 ft above sea level, April 3, 1991; lowest measured, 12.83 ft above sea level, April 19, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	17.54	DEC 22	17.57	MAR 16	17.36	MAY 24	17.18	JUL 28	17.00	SEP 26	16.75

403454073495602. Local number, Q 1071.2

LOCATION.--Lat 40°34'54", long 73°49'56", Hydrologic Unit 02030202, at abandoned pump house, 142 ft north of Rockaway Beach Boulevard (Marks Avenue), between 109th Street and 110th Street, Rockaway Park. Owner: City of New York.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 12 in. to 2 in., depth 836 ft, screened 771 to 836 ft.

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

DATUM.--Land-surface datum is 9.0 ft above sea level. Measuring point: Top of 2-in. steel extension, 2.24 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--December 1976 to current year. Unpublished records from December 1976 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.83 ft above sea level, March 21, 1995; lowest measured, 1.17 ft above sea level, October 11, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.77	DEC 22	6.50	JAN 24	6.81	MAR 21	7.83				

403958073445801. Local number, Q 1187.1

LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at south side of North Conduit, 1775 ft west of 225th Street, western most well, in ravine, Rosedale. Owner: City of New York.

AQUIFER.--Jameco (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 130 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of small hole in 8-in. steel cap, 4.71 ft above land-surface datum.

PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.79 ft above sea level, April 22, 1994; lowest measured, 2.26 ft above sea level, June 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.69	DEC 21	7.77	JAN 26	8.12	MAR 16	8.16	MAY 24	7.69	JUL 20	7.16

403958073445801. Local number, Q 1189.1

LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at southside of North Conduit, 1790 ft west of 225th Street, eastern most well, in ravine, Rosedale. Owner: City of New York.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 50 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 13.0 ft above sea level. Measuring point: Top of small hole in 6-in. steel cap, 1.76 above land-surface datum.

PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft above sea level, June 21, 1989; lowest measured, 1.86 ft above sea level, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.31	DEC 21	6.46	JAN 26	6.89	MAR 16	6.85	MAY 24	6.38	JUL 20	4.88

403959073474401. Local number, Q 1237.1

LOCATION.--Lat 40°39'59", long 73°47'44", Hydrologic Unit 02030202, at south side of exit ramp from John F. Kennedy International Airport, just east of Van Wyck Expressway approach ramp, South Ozone Park. Owner: City of New York.

AQUIFER.--Jameco (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 227 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 27.0 ft above sea level. Measuring point: Top of 4-in. to 1 1/4-in. steel reducer, 0.88 ft below land-surface datum.

PERIOD OF RECORD.--December 1950 to current year. Unpublished records from December 1950 to September are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.42 ft above sea level, December 21, 1994; lowest measured, 4.55 ft below sea level, July 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.54	DEC 21	7.42	MAR 16	5.26	MAY 24	2.05	SEP 28	5.29		

404240073443401. Local number, Q 1249.1

LOCATION.--Lat 40°42'40", long 73°44'34", Hydrologic Unit 02030202, at west side of 216th Street, 42 ft north of 106th Avenue, Queens Village. Owner: City of New York.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 88 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 72.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel coupling, 0.36 ft above land-surface datum.

PERIOD OF RECORD.--October 1940 to current year. Unpublished records from October 1940 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.41 ft above sea level, September 26, 1946; lowest measured, 5.67 ft below sea level, March 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24	20.49	JUL 20	20.49	SEP 28	19.74						

LOCATION.--Lat 40°43'02", long 73°48'16", Hydrologic Unit 02030202, at west side of 164th Street, 670 ft south of Goethals Avenue, at Queens General Hospital, Jamaica. Owner: Queens General Hospital.

WELL CHARACTERISTICS.--Drilled unused steel diffusion well, diameter 12 in., depth 250 ft, screened 195 to 245 ft.

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

DATUM.--Land-surface datum is 115.4 ft above sea level. Measuring point: Top of coupling at end of 2-in. steel extension, 0.93 ft below land-surface datum.

PERIOD OF RECORD.--January 1982 to current year. Unpublished records from January 1982 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.11 ft above sea level, April 15, 1992;
lowest measured, 12.80 ft below sea level, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at north side of North Conduit Avenue, 66 ft east of entrance to Aqueduct Race Track, South Ozone Park. Owner: New York Racing Association.

WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 1/2 in., depth 91 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of 2 1/2-in. steel coupling, 0.04 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.19 ft above sea level, June 20, 1989;
lowest measured, 3.40 ft below sea level, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24 DEC 22	4.67 4.46	JAN 24	4.64	MAR 21	4.59	MAY 30	4.33	JUL 28	4.41	SEP 26	4.46

404451073475002. Local number, Q 2346.1

LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at City of New York storage facility, 55 ft south of Underhill Avenue, west of Fresh Meadow Lane, western most well, Flushing. Owner: City of New York.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 17 ft, screened 12 to 17 ft.

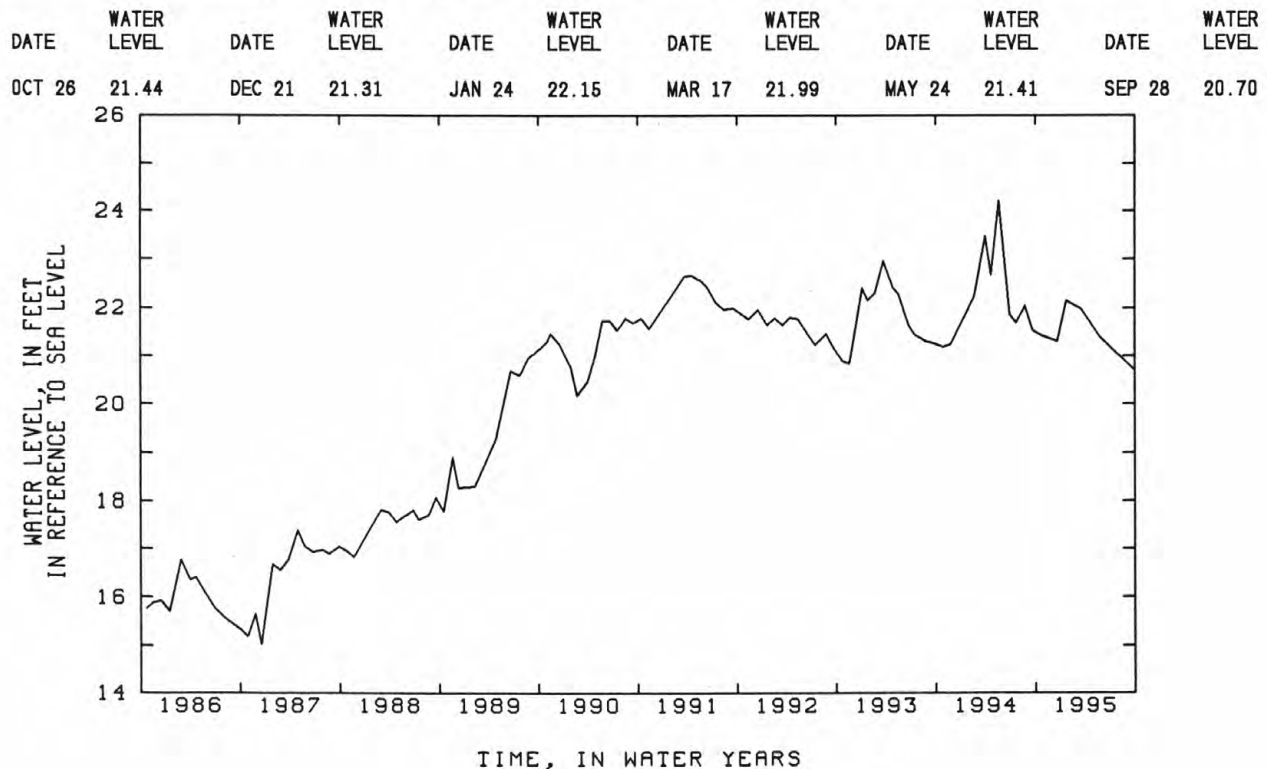
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 29.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.98 ft above land-surface datum.

PERIOD OF RECORD.--August 1960 to current year. Unpublished records from August 1960 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.21 ft above sea level, May 19, 1994; lowest measured, 13.18 ft above sea level, February 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



404025073463801. Local number, Q 2422.1

LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at Jamaica Water Supply Pumping Center, 140 ft west of Guy R. Brewer Boulevard, just south of 132nd Avenue, Jamaica. Owner: Jamaica Water Supply Company.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 370 ft, screened 342 to 362 ft.

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

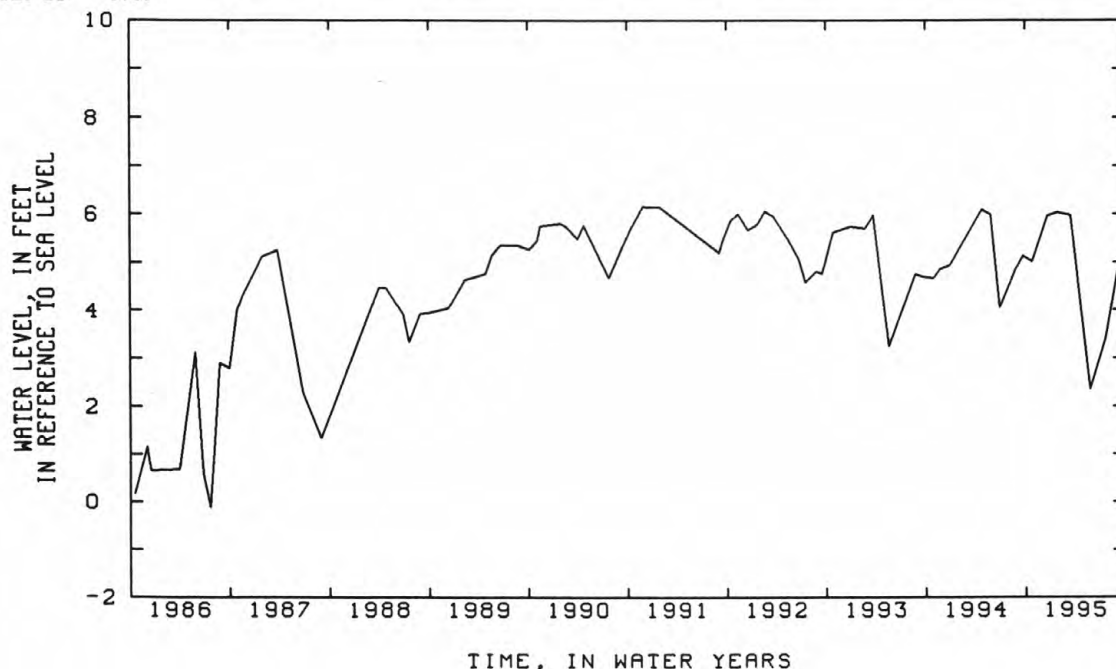
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 8-in. steel nipple at yellow arrow, 1.21 ft above land-surface datum.

PERIOD OF RECORD.--May 1964 to current year. Unpublished records from May 1964 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.16 ft above sea level, November 28, 1990; lowest measured, 5.65 ft below sea level, September 7, 1970, and September 9, 11, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.01	JAN 26	6.02	MAR 16	5.97	MAY 24	2.36	JUL 20	3.41	SEP 28	5.60
DEC 21	5.96										



404624073483501. Local number, Q 2791.1

LOCATION.--Lat 40°46'24", long 73°48'35", Hydrologic Unit 02030201, at Saint Mel's Roman Catholic Church, north side of 27th Avenue, 173 ft east of 154th Street, under steel doors, Flushing. Owner: Saint Mel's Roman Catholic Church.

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

WELL CHARACTERISTICS.--Drilled steel public supply well, diameter 6 in., depth 76 ft, screened 68 to 76 ft.

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

DATUM.--Land-surface datum is 90.9 ft above sea level. Measuring point: Edge of 1/4-in. access hole in steel cap, 3.27 ft below land-surface datum.

PERIOD OF RECORD.--May 1981 to current year. Unpublished records from May 1981 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.23 ft above sea level, June 27, 1984; lowest measured, 50.17 ft above sea level, April 2, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24	54.27	JUL 21	53.75	SEP 28	53.24						

404516073550201. Local number, Q 3122.1

LOCATION.--Lat 40°45'16", long 73°55'02", Hydrologic Unit 02030201, at east side of 29th Street, 42 ft south of 38th Avenue, Long Island City. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screened 44 to 47 ft.

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

DATUM.--Land-surface datum is 45.5 ft above sea level. Measuring point: Top of 2-in. steel coupling, 0.09 ft above land-surface datum.

PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1987 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.27 ft above sea level, December 22, 1980; lowest measured, 11.72 ft above sea level, September 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	14.61	JAN 24	14.12	MAR 17	14.04	MAY 24	13.82	JUL 20	13.73	SEP 28	13.58
DEC 21	14.28										

404112073500901. Local number, Q 3160.1

LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at west side of 108th Street, 196 ft south of 101st Avenue, Woodhaven. Owner: City of New York.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 65 ft, screened 60 to 65 ft.

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

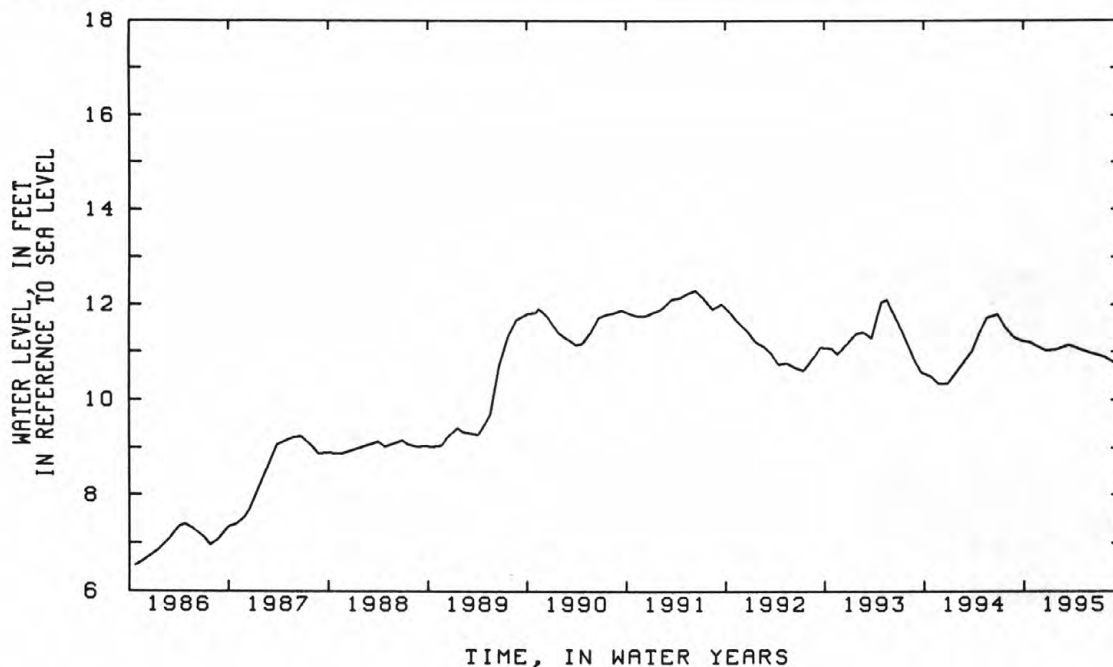
DATUM.--Land-surface datum is 45.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft above sea level, June 13, 1991; lowest measured, 6.08 ft above sea level, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.20	JAN 26	11.05	MAR 16	11.15	MAY 24	10.99	JUL 20	10.90	SEP 28	10.69
DEC 21	11.03										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.53 ft above sea level, June 21, 1989; lowest measured, 9.62 ft above sea level, May 15, 1985.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.27 ft above sea level, June 13, 1991; lowest measured, 7.28 ft above sea level, March 2, 1984.

[illegible]

404213073201001. Local number, S 1803.4

LOCATION.--Lat 40°42'13", long 73°20'10", Hydrologic Unit 02030202, at north side of State Route 109, west of Little East Neck Road, on grass median, Babylon. Owner: New York State Department of Transportation.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 19 ft, screened 16 to 19 ft.

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

DATUM.--Land-surface datum is 23.7 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.08 ft above land-surface datum.

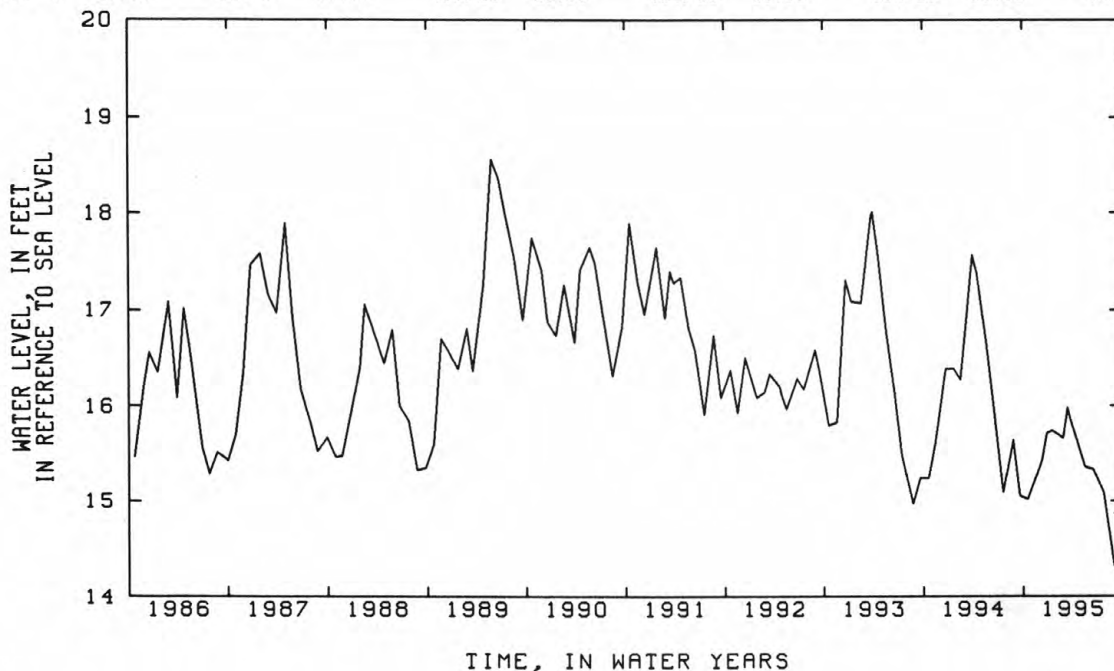
REMARKS.--Replaced well S 1803.3 in November 1975 at same location. Unpublished records from October 1912 to November 1914, August and September 1932, and June 1936 to September 1975, for wells S 1803.1 to S 1803.3 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.87 ft above sea level, May 23, 1983; lowest measured, 13.06 ft above sea level, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	15.02	DEC 28	15.71	FEB 27	15.66	MAR 24	15.85	MAY 15	15.36	JUL 24	15.08
DEC 9	15.42	JAN 17	15.74	MAR 13	15.98	APR 18	15.63	JUN 15	15.33	AUG 30	14.32



404301073240901. Local number, S 1805.4

LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at south side of State Route 109, west of Albany Avenue, Maywood. Owner: New York State Department of Transportation.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 33 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 57.2 ft above sea level. Measuring point: Top of 2-in. steel casing, 2.02 ft above land-surface datum.

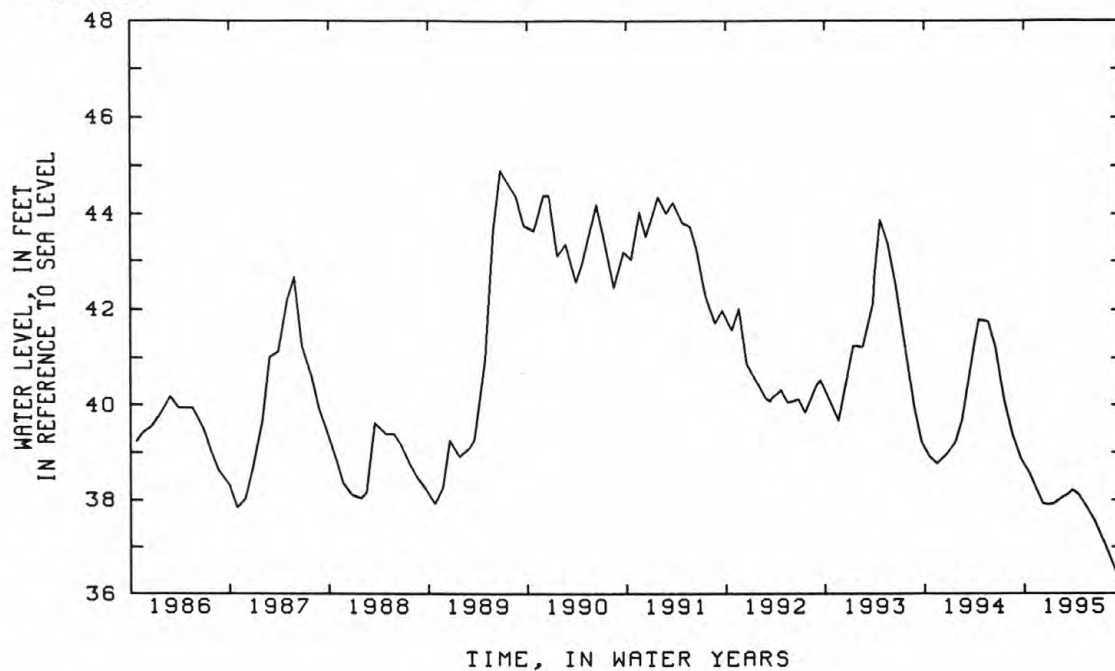
REMARKS.--Replaced well S 1805.3 in October 1953 at same location. Unpublished records from October 1912 to September 1975 for wells S 1805.1 to S 1805.3 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--October 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.47 ft above sea level, August 27, 1984; lowest measured, 35.79 ft above sea level, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	38.59	JAN 17	37.92	MAR 13	38.12	APR 18	38.11	JUN 15	37.56	AUG 30	36.50
DEC 9	37.92	FEB 27	38.08	24	38.20	MAY 15	37.86	JUL 24	37.05	SEP 28	36.13
28	37.90										



404442073240501. Local number, S 1806.3

LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at west side of Wellwood Avenue, north of Conklin Street, south of railroad tracks, Pinelawn. Owner: Suffolk County Department of Public Works.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 1 1/4 in., depth 45 ft, screened 41 to 45 ft.

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

DATUM.--Land-surface datum is 85.7 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.

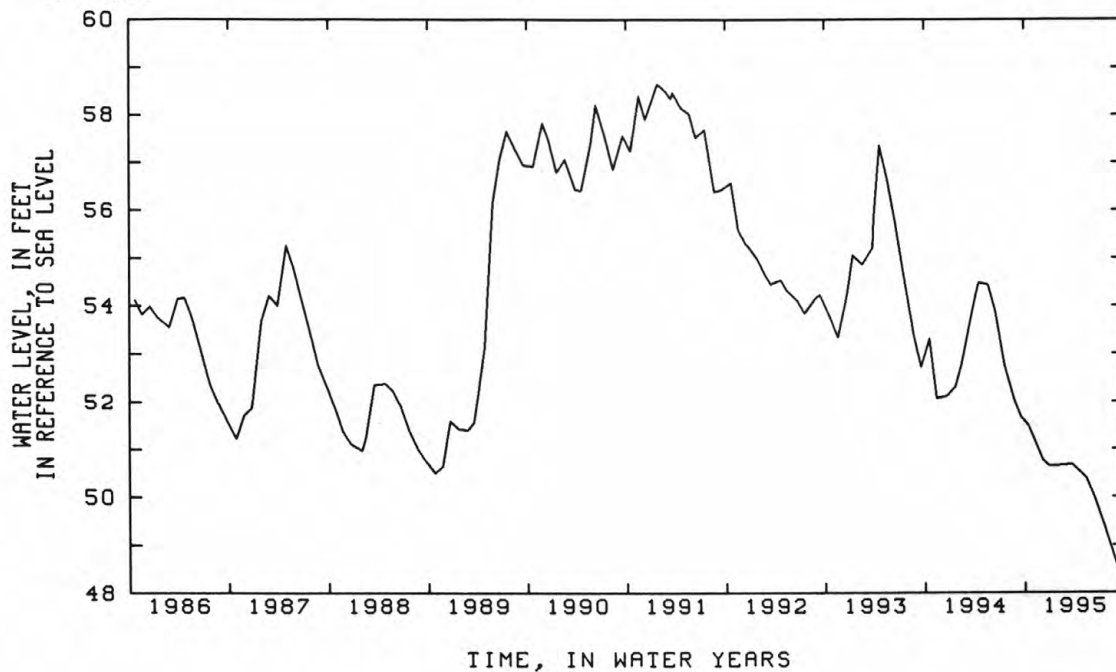
REMARKS.--Replaced well S 1806.2 in August 1977 at same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S 1806.1 to S 1806.2 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft above sea level, June 20, 1984; lowest measured, 48.15 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	51.47	JAN 17	50.64	MAR 13	50.67	APR 18	50.53	JUN 15	49.94	AUG 30	48.64
DEC 9	50.75	FEB 27	50.65	22	50.67	MAY 15	50.36	JUL 24	49.30	SEP 28	48.15
28	50.64										



404319073184601. Local number, S 1807.5

LOCATION.--Lat 40°43'19", long 73°18'48", Hydrologic Unit 02030202, at east side of Higbie Lane, north of Martin Drive, West Islip. Owner: Town of Islip.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 21 ft, screened 19 to 21 ft.

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

DATUM.--Land-surface datum is 23.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel coupling, 0.21 ft above land-surface datum.

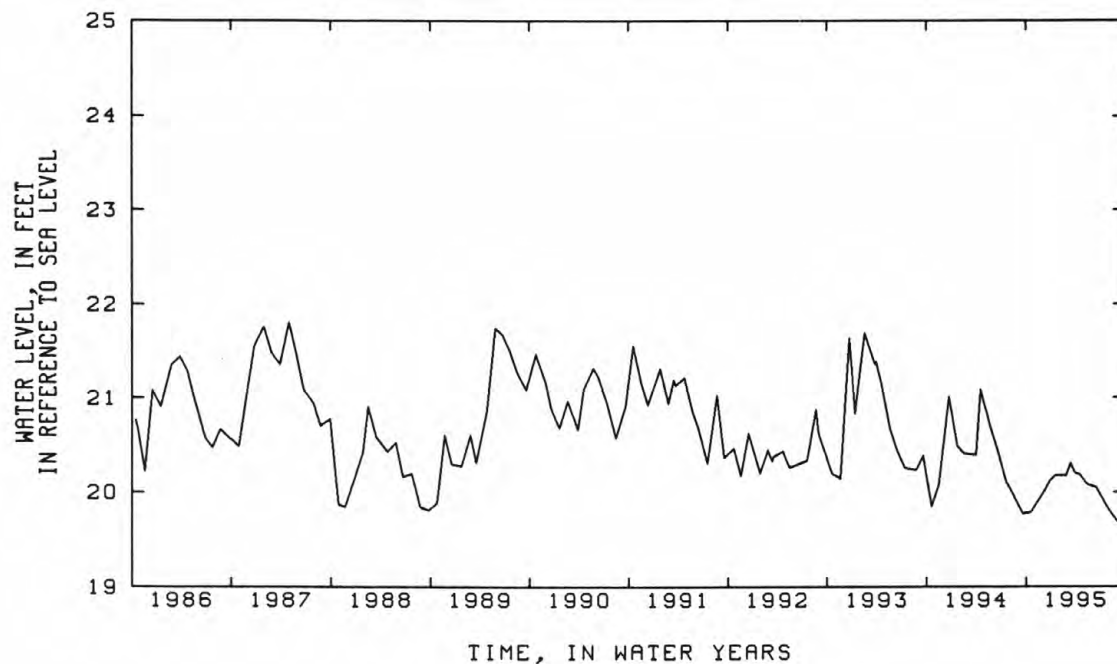
REMARKS.--Replaced well S 1807.4 in July 1976 at same location. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, for wells S 1807.1 to S 1807.4 are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.30 ft above sea level, January 24, 1979; lowest measured, 19.26 ft above sea level, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	19.78	JAN 17	20.18	MAR 13	20.31	APR 18	20.19	JUN 15	20.05	AUG 30	19.69
DEC 9	20.02	FEB 27	20.18	MAR 28	20.21	MAY 15	20.08	JUL 24	19.85	SEP 28	19.71
28	20.13										



404221073164901. Local number, S 1808.4

LOCATION.--Lat 40°42'21", long 73°16'49", Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip.

Owner: Town of Islip.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 11 ft, screened 10 to 11 ft.

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

DATUM.--Land-surface datum is 13.6 ft above sea level. Measuring point: Top of 1 1/4-in. steel coupling, 0.29 ft below land-surface datum.

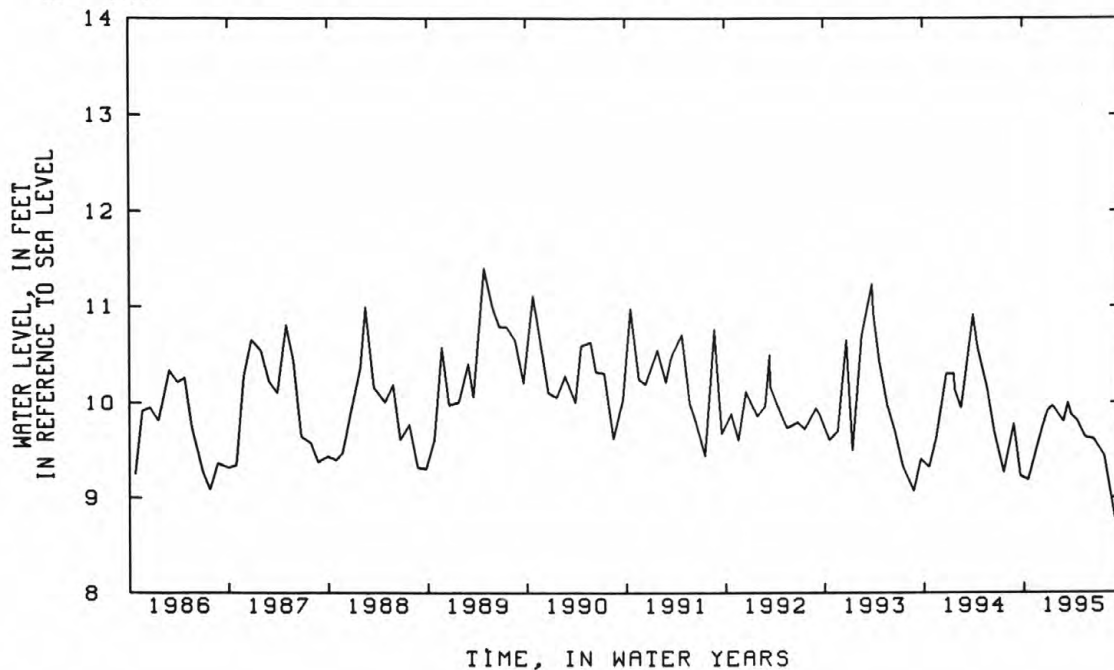
REMARKS.--Replaced well S 1808.3 in July 1984 at same location. Unpublished records from October 1912 to September 1975, for wells S 1808.1 to S 1808.3 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.40 ft above sea level, April 26, 1989; lowest measured, 8.79 ft above sea level, August 30, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	9.18	JAN 17	9.97	MAR 13	10.00	APR 18	9.80	JUN 15	9.61	AUG 30	8.79
DEC 9	9.73	FEB 27	9.80	24	9.87	MAY 15	9.63	JUL 24	9.44	SEP 28	9.42
28	9.90										



404351073164901. Local number, S 1809.4

LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at south east corner of Muncey Road and Manor Lane, in recharge basin, Bay Shore. Owner: Town of Islip.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 29 ft, screened 26 to 29 ft.

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

DATUM.--Land-surface datum is 42.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.45 ft below land-surface datum.

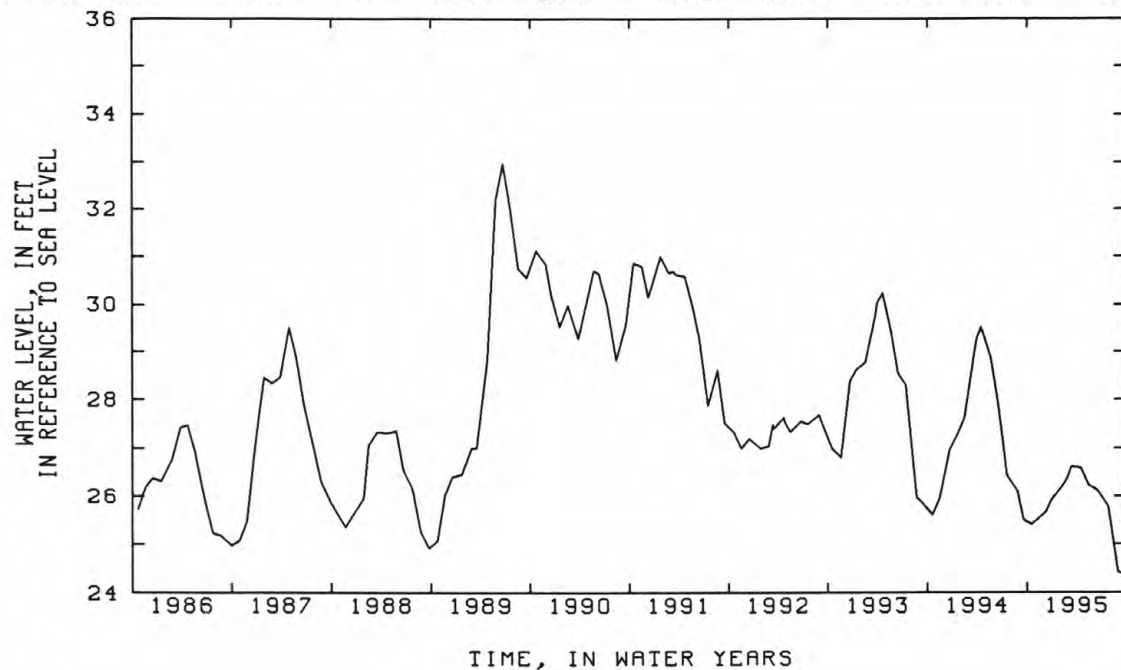
REMARKS.--Replaced well S 1809.3 in March 1981 at same location. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, for wells S 1809.1 to S 1809.3 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--March 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft above sea level, June 23, 1989; lowest measured, 24.38 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	25.40	DEC 28	25.89	FEB 27	26.36	APR 18	26.58	JUN 15	26.12	AUG 30	24.42
DEC 9	25.65	JAN 17	26.03	MAR 13	26.61	MAY 15	26.23	JUL 25	25.79	SEP 28	24.38



404958073085001. Local number, S 1812.3

LOCATION.--Lat 40°49'58", long 73°08'50", Hydrologic Unit 02030202, at southwest corner of Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 50 ft, screened 46 to 50 ft.

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

DATUM.--Land-surface datum is 69.9 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.68 ft below land-surface datum.

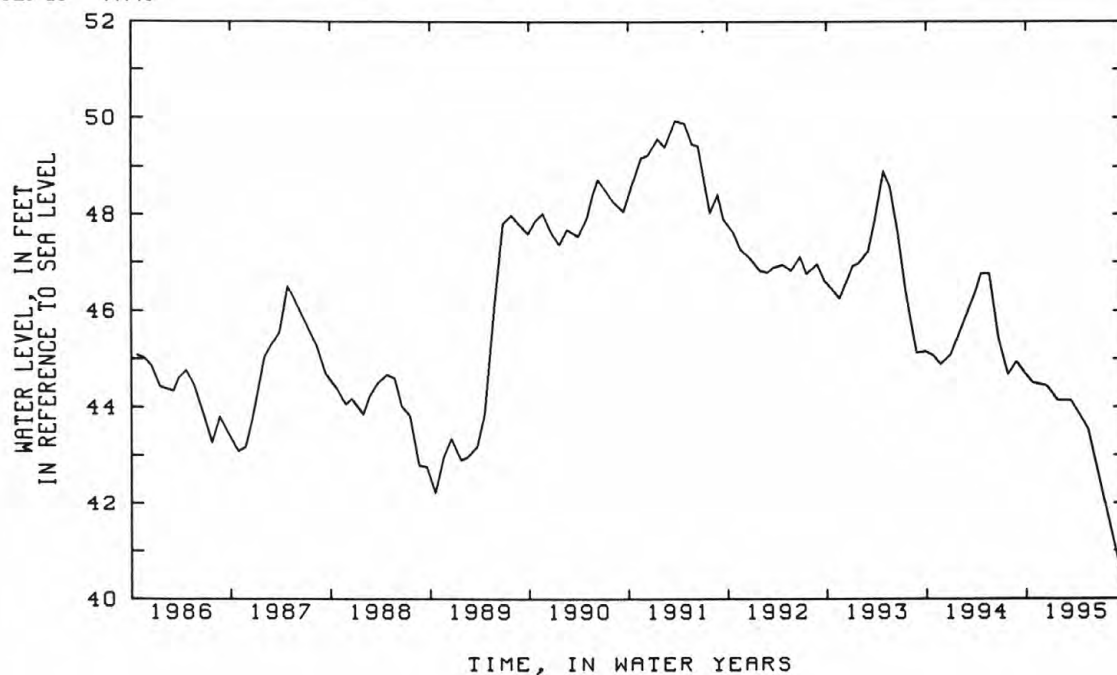
REMARKS.--Replaced well S 1812.2 in May 1982 at same location. Unpublished records from April 1937 to September 1975 are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.34 ft above sea level, July 23, 1984; lowest measured, 40.34 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	44.51	JAN 25	44.15	MAR 16	44.14	MAY 16	43.55	JUL 20	41.89	SEP 21	40.34
DEC 16	44.45										



404737073112303. Local number, S 1814.3

LOCATION.--Lat 40°47'37", long 73°11'23", Hydrologic Unit 02030202, at northwest corner of Suffolk Avenue and Dovecott Lane, Central Islip. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 54 ft, screened 51 to 54 ft.

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

DATUM.--Land-surface datum is 63.5 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.35 ft below land-surface datum.

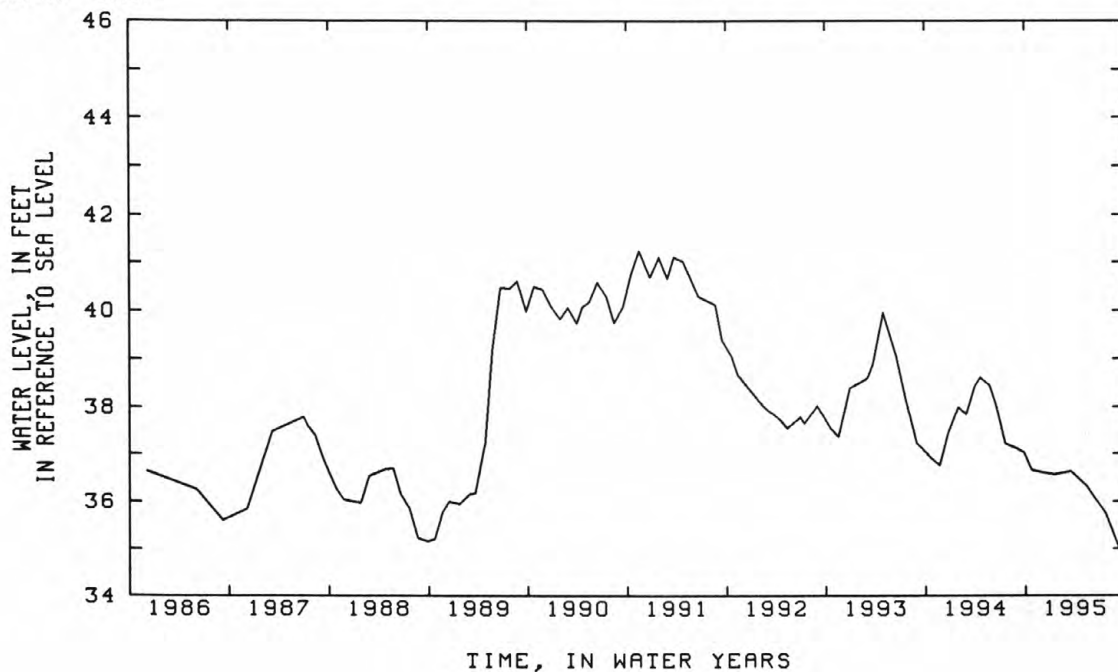
REMARKS.--Replaced well S 1814.2 in May 1982 at same location, unpublished records from November 1939 to September 1975 are available in files of Long Island Subdistrict Office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.50 ft above sea level, June 12, 1984; lowest measured, 34.87 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	36.65	JAN 18	36.56	MAR 16	36.63	MAY 18	36.27	JUL 21	35.75	SEP 19	34.87
DEC 14	36.58										



405146073031801. Local number, S 3513.1

LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at south side of State Route 25, 235 ft west of High View Drive, Selden. Owner: New York Department of Transportation.

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

WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 4 in., depth 65 ft, screened 63 to 65 ft.

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

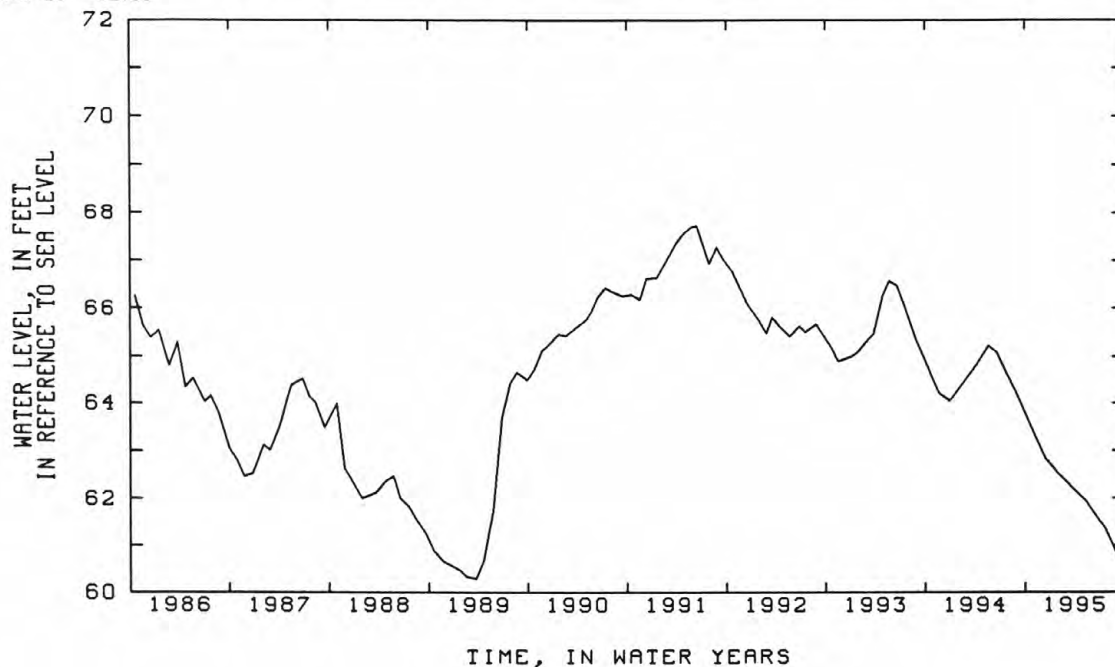
DATUM.--Land-surface datum is 101.0 ft above sea level. Measuring point: Top of 4-in. to 1 1/4-in. steel reducer, 1.31 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft above sea level, May 29, 1979; lowest measured, 56.06 ft above sea level, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	63.48	JAN 25	62.55	MAR 16	62.26	MAY 16	61.91	JUL 20	61.36	SEP 21	60.57
DEC 16	62.83										



404812073004101. Local number, S 3521.1

LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at west side of Old Medford Avenue, 237 ft north of Cedar Avenue, Medford. Owner: Town of Brookhaven.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 50 ft, screen assumed at bottom.

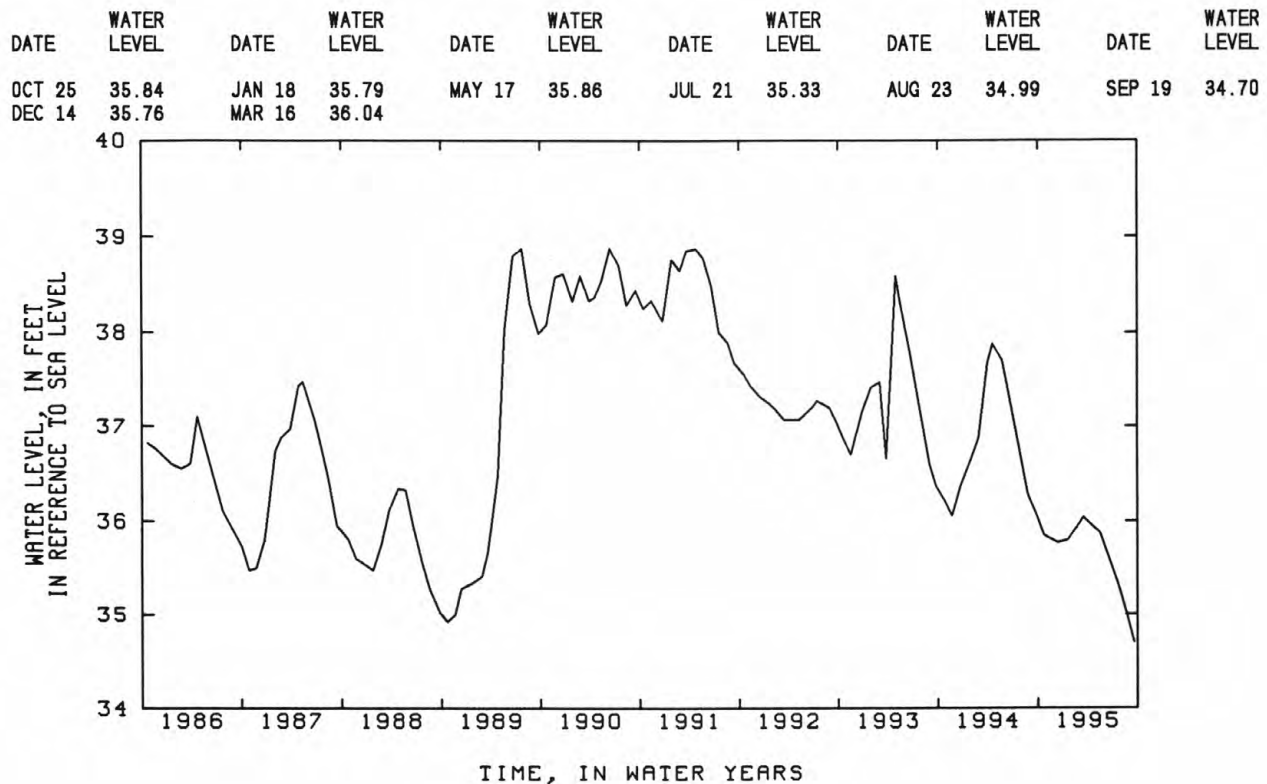
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 71.8 ft above sea level. Measuring point: Top of 2-in. steel casing, 0.77 ft above land-surface datum.

PERIOD OF RECORD.--January 1907 to current year. Unpublished records from January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft above sea level, March 27, 1979; lowest measured, 34.38 ft above sea level, October 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



404806072553802. Local number, S 3529.2

LOCATION.--Lat 40°48'01", long 72°55'38", Hydrologic Unit 02030202, at entrance to Brookhaven Landfill, south of Horseblock Road, South Yaphank. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.

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

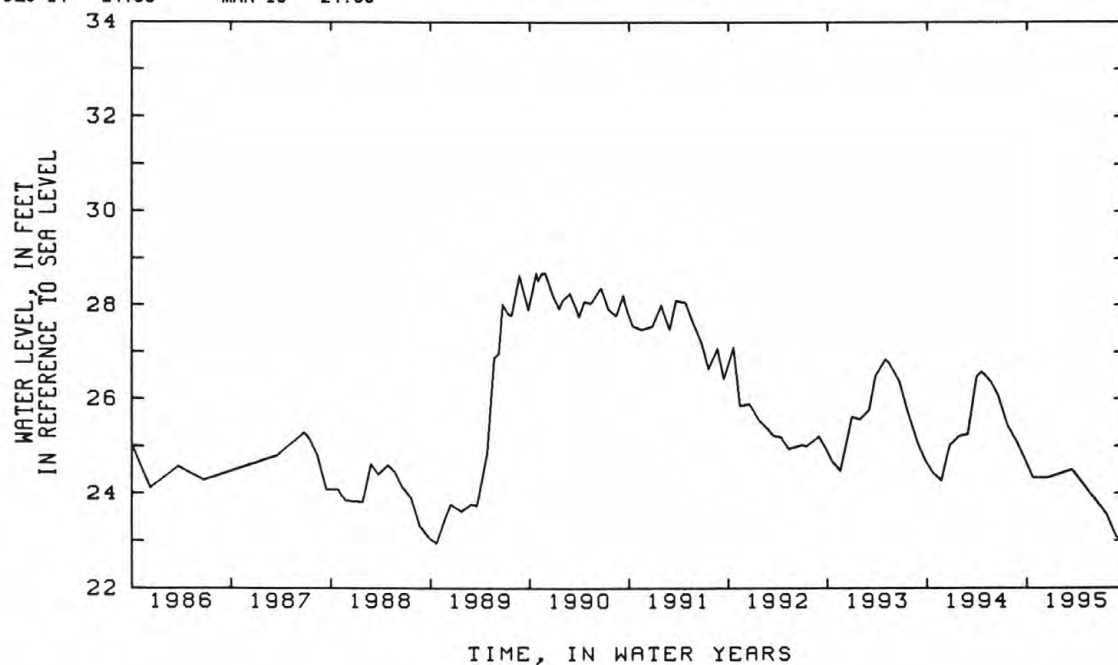
DATUM.--Land-surface datum is 34.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 3.11 ft above land-surface datum.

PERIOD OF RECORD.--December 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.59 ft above sea level, June 14, 1984; lowest measured, 22.90 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	24.33	JAN 18	24.39	MAY 17	24.02	JUL 21	23.53	AUG 23	23.08	SEP 19	22.90
DEC 14	24.33	MAR 16	24.50								



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.53 ft above sea level, July 23, 1984; lowest measured, 14.94 ft above sea level, November 25, 1986.

[illegible]

405343073055004. Local number, S 3955.4

LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at west side of Mark Tree Road, south of Pond Path, Setauket. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.

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

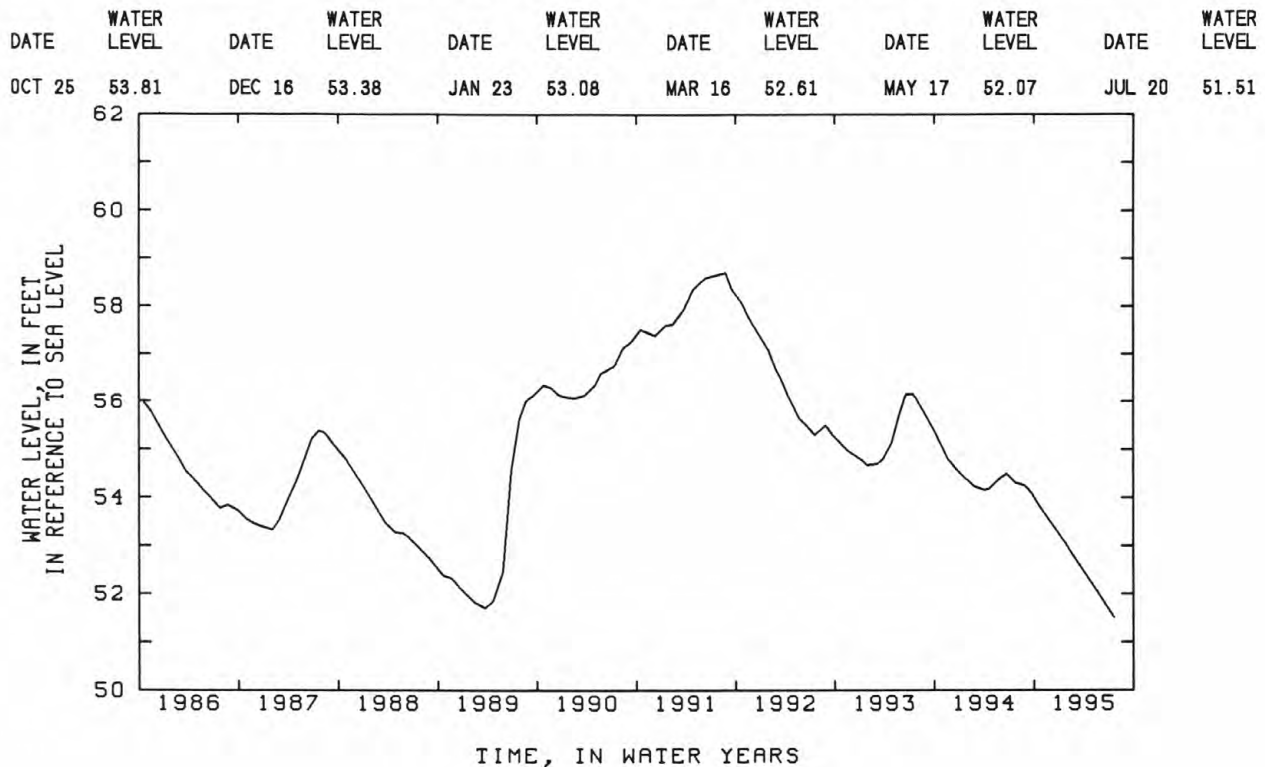
DATUM.--Land-surface datum is 123.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.24 ft below land-surface datum.

REMARKS.--Replaced well S 3955.3 in April 1975 at same location. Unpublished records from September 1944 to September 1975 are available in files of Long Island Subdistrict Office.

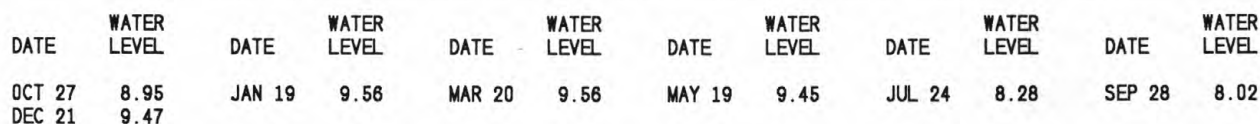
PERIOD OF RECORD.--April 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft above sea level, June 21, 1979; lowest measured, 51.51 ft above sea level, July 20, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.25 ft above sea level, August 12, 1984;
lowest measured, 8.16 ft above sea level, September 5, 1966.



405149072532201. Local number, S 5517.1

LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at Brookhaven National Laboratory, northwest corner of Princeton Avenue and Upton Road, 77 ft south of parking field. Owner: Brookhaven National Laboratory

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 91 ft, screened 85 to 91 ft.

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

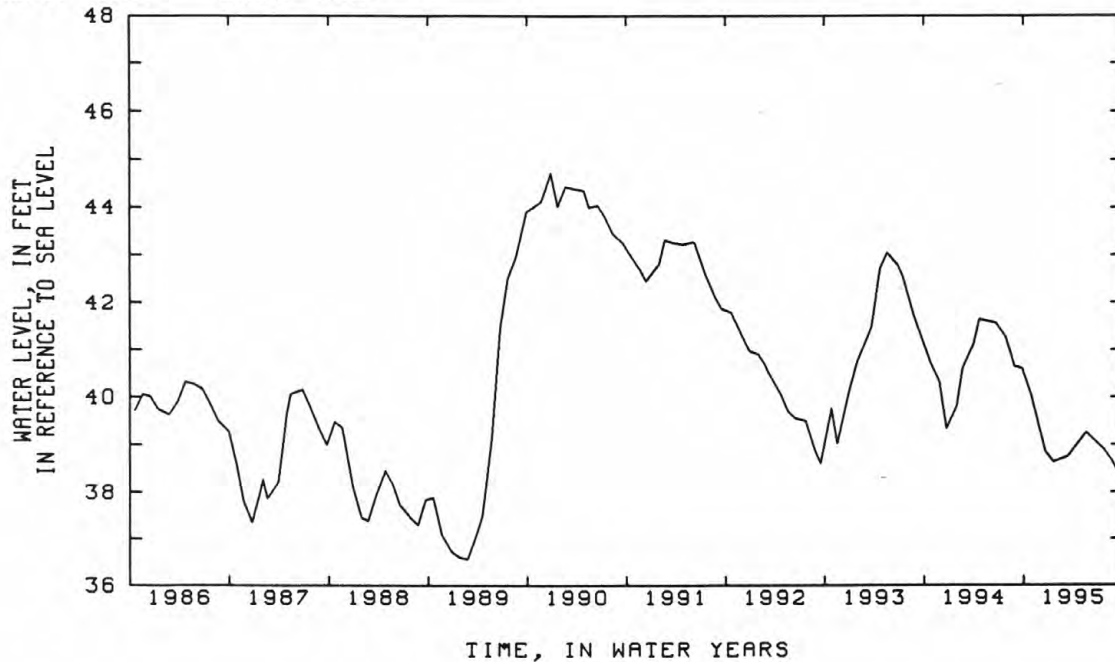
DATUM.--Land-surface datum is 115.0 ft above sea level. Measuring point: Top of 4-in. steel casing, 0.04 ft above land-surface datum.

PERIOD OF RECORD.--April 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft above sea level, June 25, 1958; lowest measured, 33.34 ft above sea level, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	40.09	JAN 19	38.63	MAY 19	39.25	JUL 24	38.89	AUG 21	38.67	SEP 28	38.25
DEC 21	38.84	MAR 13	38.75								



405650072541801. Local number, S 8411.1

LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at south side of State Route 25A, 86 ft east of Ridge Road, Shoreham. Owner: Brookhaven National Laboratory.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 149 ft, screened 143 to 149 ft.

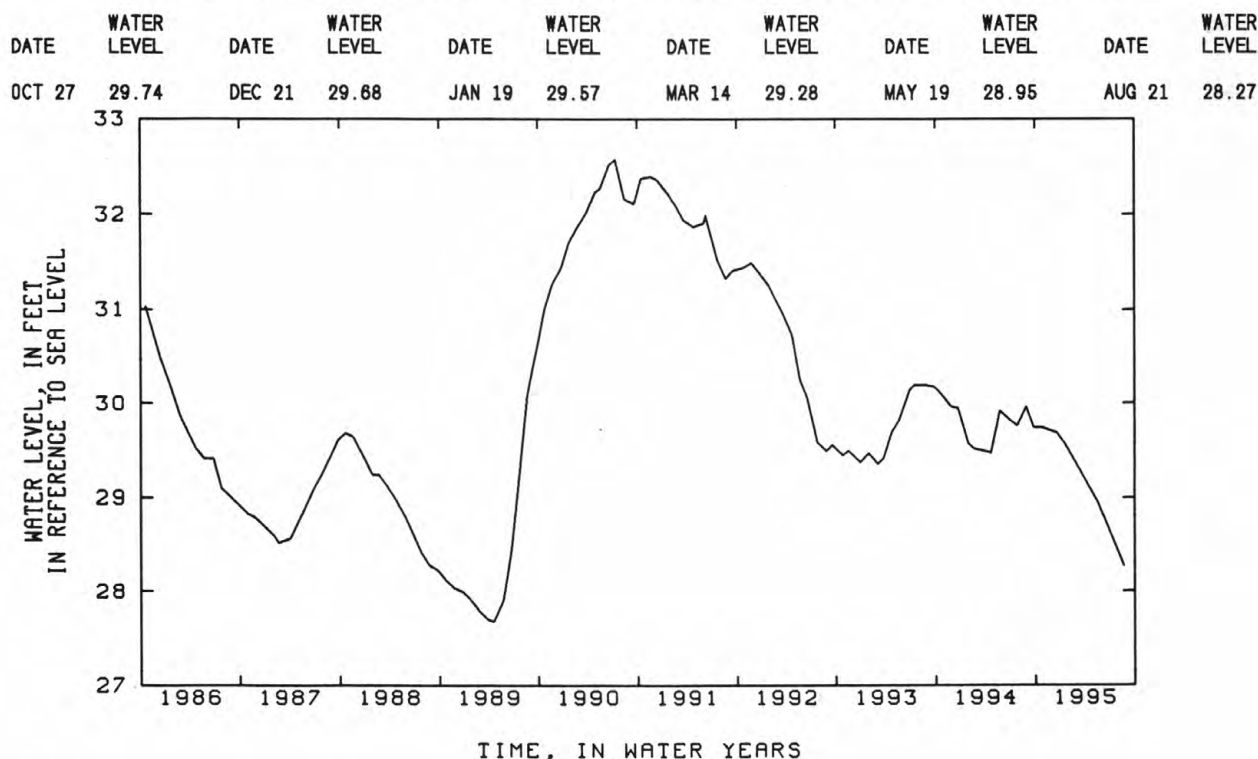
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 138.4 ft above sea level. Measuring point: Top of 4-in. steel casing, 1.73 ft above land-surface datum.

PERIOD OF RECORD.--November 1948 to current year. Unpublished records from November 1948 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.49 ft above sea level, July 26 and August 28, 1979; lowest measured, 25.15 ft above sea level, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995



405308072553101. Local number, S 8413.1

LOCATION.--Lat 40°53'08", long 72°55'31", Hydrologic Unit 02030202, at south side of State Route 25, 70 ft east of Woodville Road, Middle Island. Owner: New York State Department of Transportation.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 108 ft, screened 103 to 108 ft.

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

DATUM.--Land-surface datum is 93.8 ft above sea level. Measuring point: Top of steel meter box rim at yellow arrow, 0.13 ft above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.16 ft above sea level, April 12, 1979; lowest measured, 42.40 ft above sea level, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	50.59	JAN 19	50.60	MAY 19	50.11	JUL 24	49.74	AUG 21	49.50	SEP 28	50.28
DEC 21	50.92	MAR 13	50.80								

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.98 ft above sea level, April 12, 1979;
lowest measured, 39.14 ft above sea level, September 16, 1986.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	41.95	JAN 19	41.95	MAY 19	41.68	JUL 24	40.31	AUG 21	40.13	SEP 28	39.70
DEC 21	42.06	MAR 13	41.98								

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.11 ft above sea level, July 12, 1979;
lowest measured, 28.74 ft above sea level, March 1, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	31.35	JAN 19	31.06	MAY 19	30.94	JUL 24	29.98	AUG 21	29.69	SEP 28	29.48
DEC 21	31.07	MAR 31	31.05								

EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 42.50 ft above sea level, April 2, 1979;
lowest measured, 33.82 ft above sea level, December 27, 1966 and March 1, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	37.23	JAN 19	37.01	MAY 19	36.77	JUL 24	35.76	AUG 21	35.36	SEP 28	35.12
DEC 21	37.00	MAR 13	37.00								

410247072261101. Local number, S 6524.1

LOCATION.--Lat 41°02'47", long 72°26'11", Hydrologic Unit 02030202, at Bayview Avenue and Route 25, Southold.

Owner: Southold Fire Department.

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

WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 40 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 5.8 ft above sea level. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 2.99 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.43 ft above sea level, May 7, 1958; lowest measured, 1.99 ft below sea level, October 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	1.26	JAN 19	1.55	MAR 20	1.51	MAY 19	1.69	JUL 24	1.22	SEP 28	1.41
DEC 21	1.31										

405835072325601. Local number, S 6558.1

LOCATION.--Lat 40°58'35", long 72°32'56", Hydrologic Unit 02030201, at Route 25, 244 ft east of railroad tracks, Mattituck. Owner: Mattituck Fire Department.

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

WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 38 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 14.5 ft above sea level. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 1.04 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.45 ft above sea level, March 29, 1973; lowest measured, 1.06 ft above sea level, September 22, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.97	JAN 19	4.38	MAR 20	4.46	MAY 19	4.61	JUL 24	3.94	SEP 28	3.71
DEC 21	4.22										

405756072173501. Local number, S 8833.1

LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at west side of Toppings Path, near Crooked Pond, Bridgehampton. Owner: Town of Southampton.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 13 ft, screened 10 to 13 ft.

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

DATUM.--Land-surface datum is 20.0 ft above sea level. Measuring point: Top of 2-in. steel casing, 1.63 ft above land-surface datum.

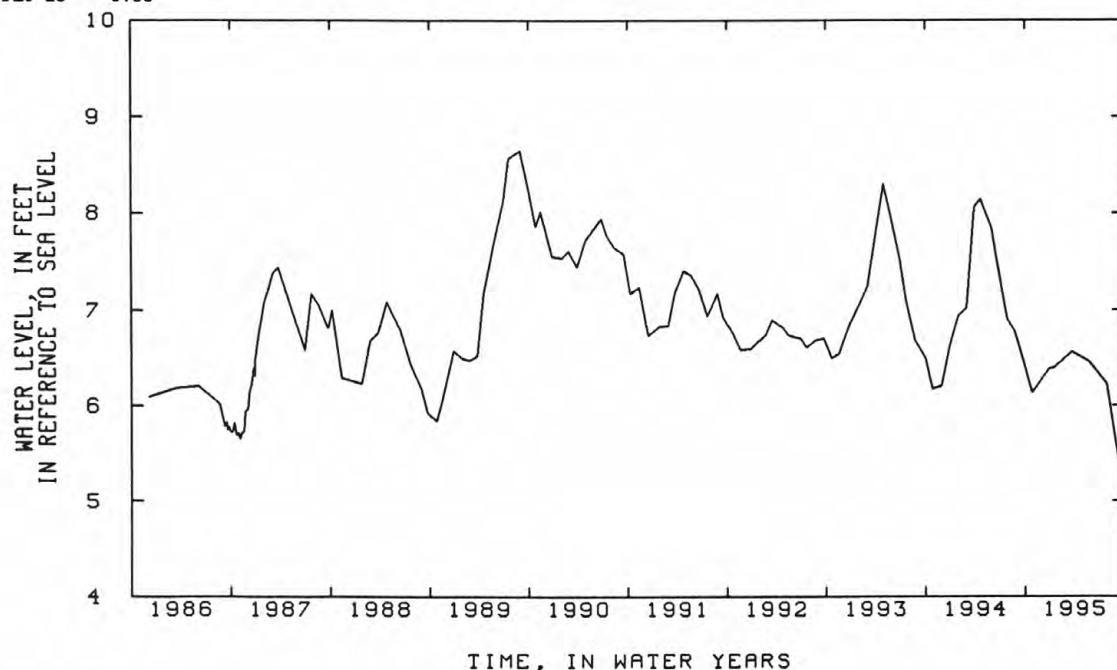
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.33 ft above sea level, April 27, 1990; lowest measured, 12.84 ft above sea level, March 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.14	DEC 28	15.86	JAN 17	15.71	MAR 23	15.63	MAY 23	15.38	SEP 27	14.93

lowest measured, 4.93 ft above sea level, August 30, 1968.

[illegible]

lowest measured, 8.84 ft above sea level, August 8, 1966.

[illegible]

lowest measured, 4.43 ft above sea level, December 26, 1950.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.19	DEC 28	5.56	JAN 17	5.40	MAR 22	5.54	MAY 23	5.39	SEP 27	4.84

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.09 ft above sea level, January 7, 1980;
lowest measured, 34.33 ft above sea level, April 14, 1969.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	40.61	DEC 13	40.07	JAN 23	40.27	MAR 14	40.16	MAY 17	39.59	JUL 20	38.21

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.79 ft above sea level, March 18, 1983;
lowest measured, 1.56 ft above sea level, July 22, 1991.

[illegible]

410858072171501. Local number, S 16787.1

LOCATION.--Lat 41°08'58", long 72°17'15", Hydrologic Unit 02030201, at south side of State Route 25, east of Platt Road, Orient. Owner: Suffolk County Department of Public Works.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.

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

DATUM.--Land-surface datum is 22.3 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.14 ft above land-surface datum.

PERIOD OF RECORD.--August 1958 to current year. Unpublished records from August 1958 to September 1977 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.16 ft above sea level, June 22, 1984; lowest measured, 1.12 ft above sea level, August 8, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.06	JAN 19	2.26	MAR 20	2.55	MAY 19	2.58	JUL 24	2.18	SEP 28	1.80
DEC 21	2.18										

404747073241501. Local number, S 16874.1

LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at northeast corner of Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.

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

WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 82 ft, screen assumed at bottom.

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

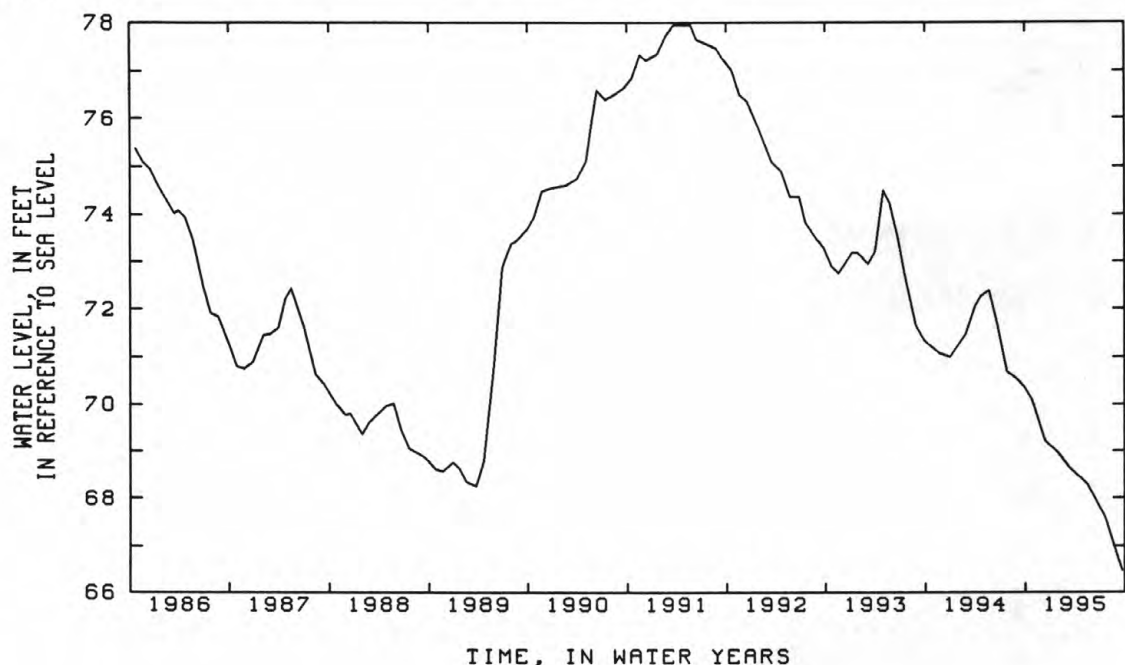
DATUM.--Land-surface datum is 141.0 ft above sea level. Measuring point: Top of 1 1/4-in. steel casing, 0.25 ft below land-surface datum.

PERIOD OF RECORD.--July 1958 to current year. Unpublished records from July 1958 to May 1959, August 1971 to September 1975, are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.14 ft above sea level, May 21, 1980; lowest measured, 66.46 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	70.12	JAN 23	69.00	MAR 13	68.62	MAY 16	68.30	JUL 20	67.59	SEP 21	66.46
DEC 13	69.20										



405034073140401. Local number, S 16881.1

LOCATION.--Lat 40°50'34", long 73°14'04", Hydrologic Unit 02030201, at east side of Old Willets Path, north of Bridge Branch Road, Commack. Owner: Town of Smithtown.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screen assumed at bottom.

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

DATUM.--Land-surface datum is 58.0 ft above sea level. Measuring point: Top of 2-in. steel casing, 0.34 ft below land-surface datum.

PERIOD OF RECORD.--July 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.05 ft above sea level, January 23, 1974; lowest measured, 29.07 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	30.26	JAN 23	30.35	MAR 14	30.35	MAY 16	30.19	JUL 20	29.65	SEP 21	29.07
DEC 16	30.31										

404902073094001. Local number, S 22577.1

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 736 ft, screened 724 to 734 ft.

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

DATUM.--Land-surface datum is 60.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 2.63 ft above land-surface datum.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.04 ft above sea level, March 28, 1979; lowest measured, 36.19 ft above sea level, March 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	39.76	DEC 16	39.49	JAN 25	39.75	MAR 17	39.84	MAY 16	39.18	SEP 21	37.10

404902073094002. Local number, S 22578.1

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 402 ft, screened 392 to 402 ft.

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

DATUM.--Land-surface datum is 60.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 2.89 ft above land-surface datum.

PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.25 ft above sea level, March 28, 1979; lowest measured, 36.35 ft above sea level, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	39.86	DEC 16	39.86	JAN 25	40.13	MAR 17	40.15	MAY 16	39.58	SEP 21	37.20

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.33 ft above sea level, March 21, 1991; lowest measured, 45.31 ft above sea level, March 7, 1986.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.93 ft above sea level, March 21, 1991; lowest measured, 45.66 ft above sea level, March 7, 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25 DEC 16	51.56 51.37	JAN 25	51.13	MAR 14	50.93	MAY 16	50.13	JUL 20	48.82	SEP 21	48.08

404820073160303. Local number, S 24771.1

LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 612 ft east of Wicks Road, eastern most well, Brentwood. Owner: United States Geological Survey.

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

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

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

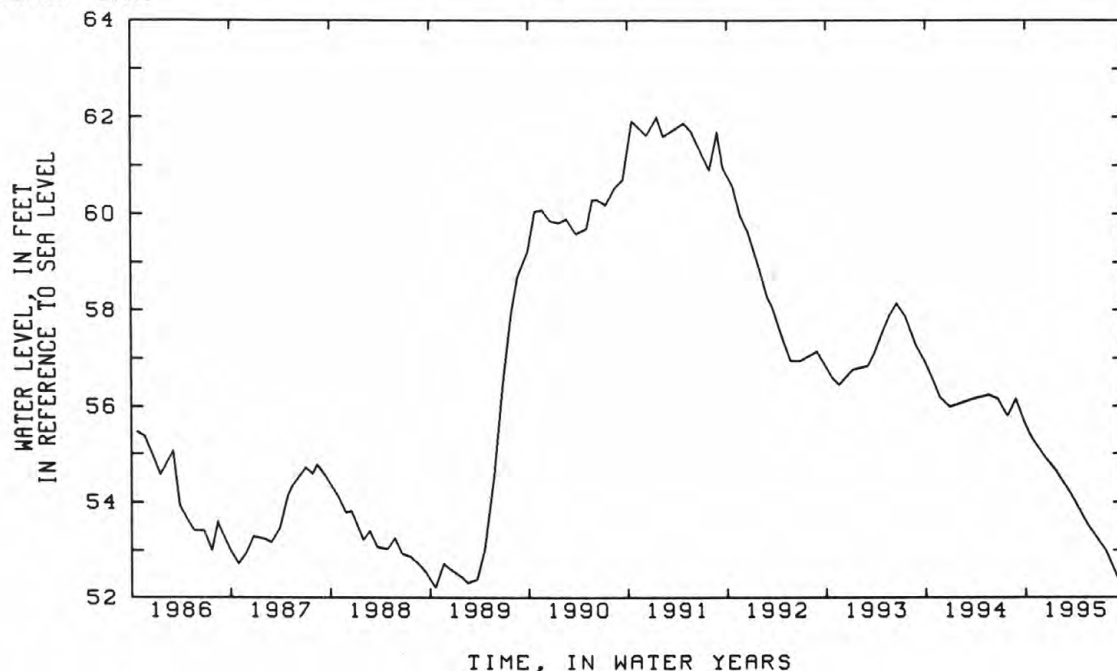
DATUM.--Land-surface datum is 139.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 1.06 ft below land-surface datum.

PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.01 ft above sea level, January 18, 1991; lowest measured, 43.50 ft above sea level, November 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	55.33	JAN 25	54.61	MAR 14	54.17	MAY 16	53.53	JUL 20	53.00	SEP 21	52.20
DEC 16	54.90										



405455073025802. Local number, S 31734.1

LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of Nesconset Road (Rt. 347), eastern most well, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd (confined).

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

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

DATUM.--Land-surface datum is 164.7 ft above sea level. Measuring point: Top of 2-in. steel coupling welded to casing cap, 1.92 ft above land-surface datum.

PERIOD OF RECORD.--December 1970 to current year. Unpublished records from December 1970 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.52 ft above sea level, May 30, 1979; lowest measured, 36.63 ft above sea level, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	39.81	DEC 16	39.57	JAN 25	39.78	MAR 16	39.43	MAY 17	38.89	JUL 20	36.68

405452073025701. Local number, S 32895.1

LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of Nesconset Road (Rt. 347), western most well, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 845 ft, screened 840 to 845 ft.

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

DATUM.--Land-surface datum is 164.7 ft above sea level. Measuring point: Top of 4-in. steel coupling, 2.49 ft above land-surface datum.

PERIOD OF RECORD.--March 1970 to current year. Unpublished records from March 1970 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft above sea level, December 11, 1984; lowest measured, 37.84 ft above sea level, July 20, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	41.26	DEC 16	40.98	JAN 25	41.11	MAR 16	40.95	MAY 17	40.33	JUL 20	37.84

405715072193701. Local number, S 33921.1

LOCATION.--Lat 40°57'15", long 72°19'37", Hydrologic Unit 02030202, at north side of Scuttlehole Road, near Millstone Road, Bridgehampton. Owner: Suffolk County Water Authority.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 174 ft, screened 159 to 174 ft.

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

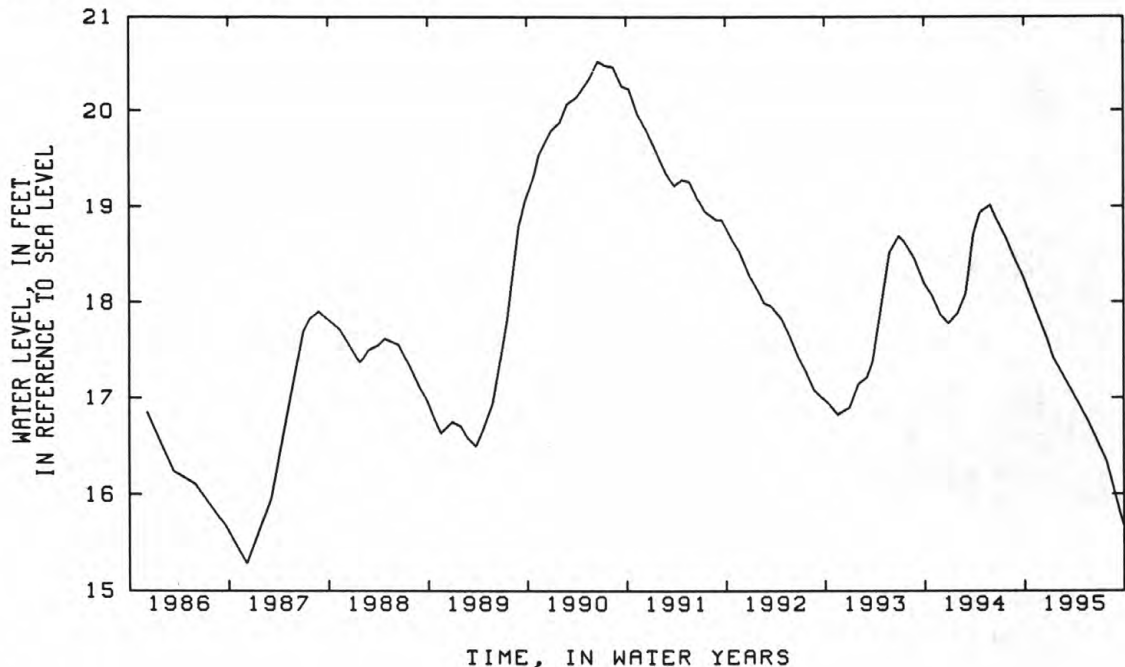
DATUM.--Land-surface datum is 110.0 ft above sea level. Measuring point: Top of 4-in. to 2-in. steel reducer, 2.42 ft above land-surface datum.

PERIOD OF RECORD.--January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.30 ft above sea level, March 30, 1978; lowest measured, 15.17 ft above sea level, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.04	JAN 17	17.42	MAR 23	17.08	MAY 23	16.75	JUL 27	16.34	SEP 27	15.68
DEC 28	17.59	23	17.38								



405040072414801. Local number, S 34743.1

LOCATION.--Lat 40°50'40", long 72°41'48", Hydrologic Unit 02030202, at north side of dirt road, 120 ft east of Speonk Riverhead Road, 0.6 miles south of Sunrise Highway (Rt. 27), northern most well, Speonk.

Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, access pipe diameter 4 in., casing diameter 12 in., depth 1,226 ft, screened 1,077 to 1,117 ft.

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

DATUM.--Land-surface datum is 64.0 ft above sea level. Measuring point: Top of 4-in. steel coupling, 2.94 ft above land-surface datum.

PERIOD OF RECORD.--March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.24 ft above sea level, April 2, 1979; lowest measured, 16.18 ft above sea level, March 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	18.66	JAN 18	18.00	MAY 17	17.64	JUL 21	17.24	SEP 15	16.87	SEP 19	16.87
DEC 14	18.18	MAR 22	17.94								

405517072574902. Local number, S 34892.1

LOCATION.--Lat 40°55'19", long 72°57'49", Hydrologic Unit 02030202, at east side of Radio Avenue, 1.3 miles south of Nesconset Road (Rt. 25A), northern most well, Rocky Point. Owner: Suffolk County Water Authority.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 138 ft, screened 124 to 138 ft.

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

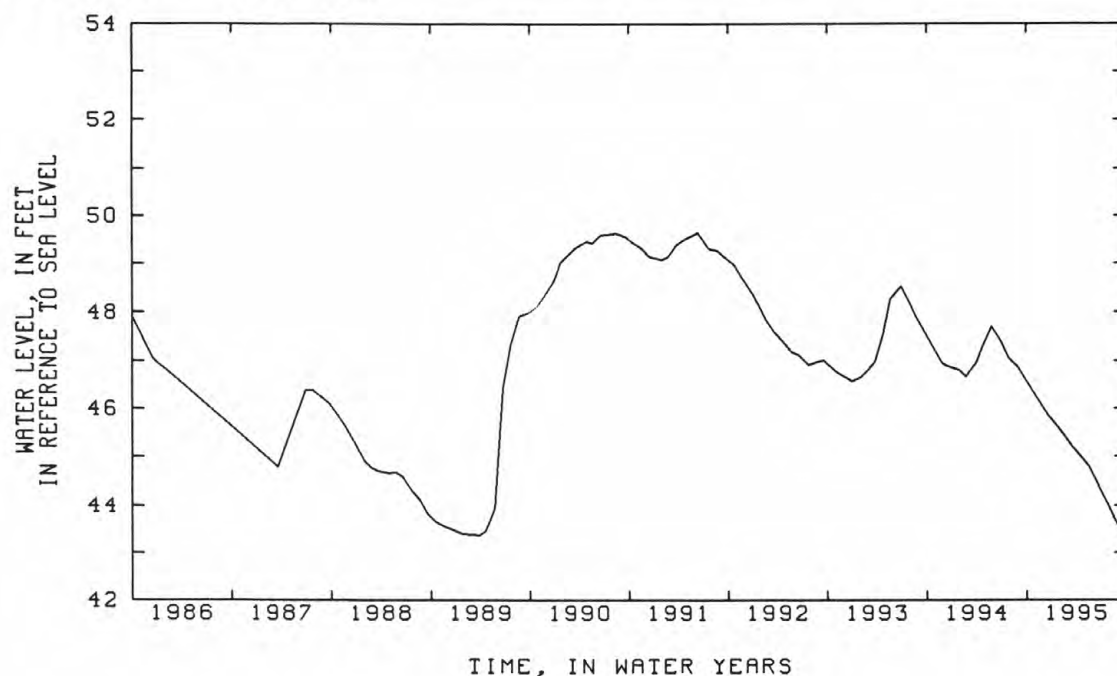
DATUM.--Land-surface datum is 122.4 ft above sea level. Measuring point: Top of 6-in. steel casing, 0.78 ft above land-surface datum.

PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.82 ft above sea level, September 15, 1984; lowest measured, 42.17 ft above sea level, March 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	46.33	JAN 19	45.64	MAY 19	44.78	JUL 24	44.04	AUG 21	43.69	SEP 28	43.31
DEC 21	45.85	MAR 14	45.22								



404930073120002. Local number, S 36142.2

LOCATION.--Lat 40°49'30", long 73°12'00", Hydrologic Unit 02030202, at east side of Lincoln Boulevard, 266 ft south of Townline Road, Islip. Owner: Hauppauge School District.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 73 ft, screen assumed at bottom.

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

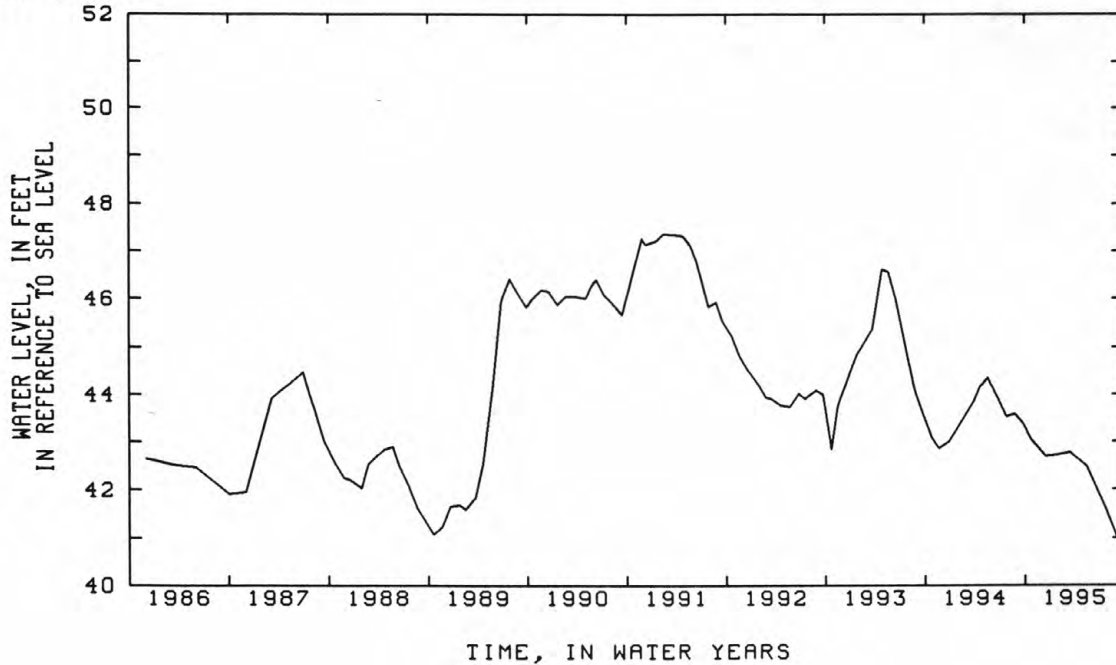
DATUM.--Land-surface datum is 81.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.

PERIOD OF RECORD.--July 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.71 ft above sea level, June 12, 1984; lowest measured, 40.76 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	43.04	JAN 25	42.71	MAR 14	42.76	MAY 16	42.47	JUL 20	41.64	SEP 21	40.76
DEC 16	42.69										



404640073050201. Local number, S 36144.1

LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at east side of Lincoln Avenue, south of Veterans Memorial Highway (Rt. 454), Bohemia. Owner: Town of Islip.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 53 ft, screen assumed at bottom.

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

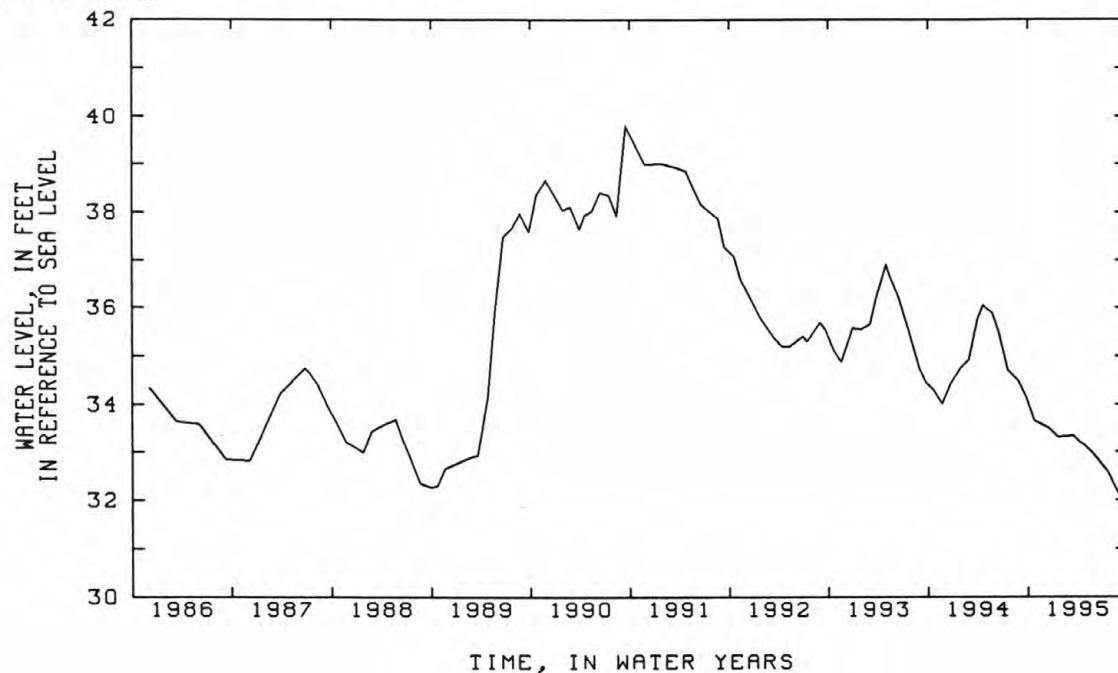
DATUM.--Land-surface datum is 54.0 ft above sea level. Measuring point: Top of 2-in. steel casing, 1.84 ft above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1977 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.96 ft above sea level, March 29, 1979; lowest measured, 31.88 ft above sea level, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	33.66	JAN 18	33.32	MAR 16	33.34	MAY 17	33.02	JUL 21	32.57	SEP 19	31.89
DEC 14	33.51										



405013073263601. Local number, S 40840.1

LOCATION.--Lat 40°50'13", long 73°26'36", Hydrologic Unit 02030201, at intersection of Cold Spring Hill Road, Ledgewood Drive, and West Rogues Path, on grass island, Huntington. Owner: Town of Huntington.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 79 ft, screened 77 to 79 ft.

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

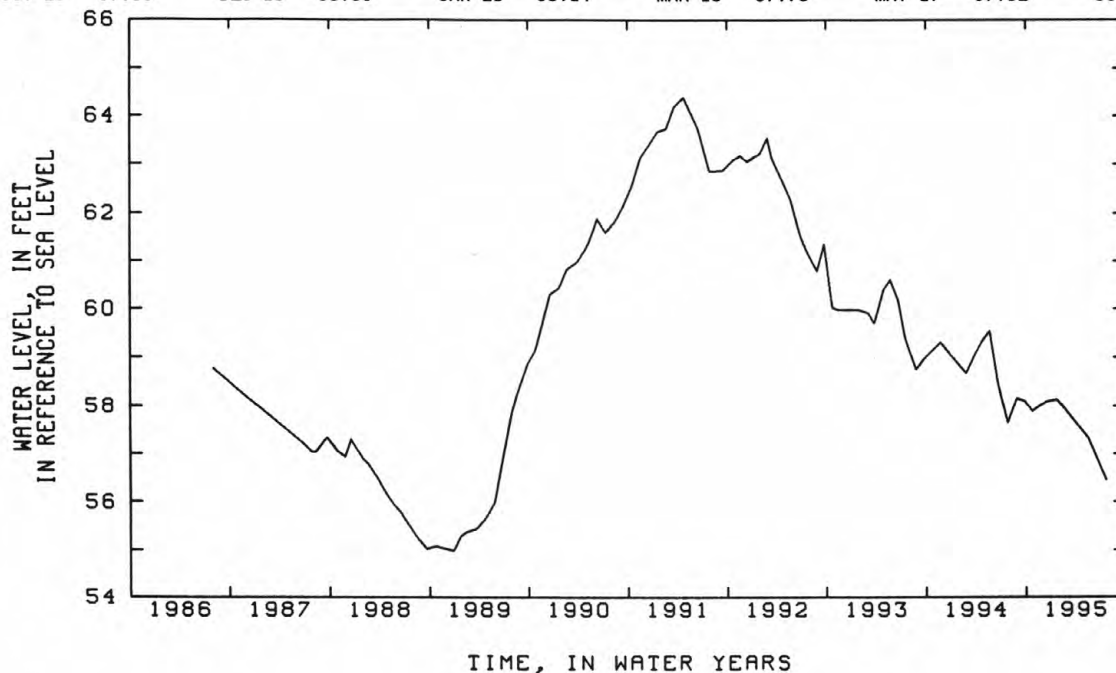
DATUM.--Land-surface datum is 131.5 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.03 ft below land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.02 ft above sea level, December 10, 1984; lowest measured, 54.98 ft above sea level, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	57.89	DEC 13	58.09	JAN 23	58.14	MAR 13	57.78	MAY 17	57.32	JUL 20	56.45



405124073111501. Local number, S 40843.1

LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at intersection of Nissequogue River Road and North Country Road (Rt. 25A), just north of Middle Country Road (Rt. 25), on grass island, Smithtown. Owner: Town of Smithtown.

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

WELL CHARACTERISTICS.--Augered steel observation well, diameter 2 in., depth 44 ft, screened 41 to 44 ft.

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

DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.01 ft below land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.93 ft above sea level, March 27, 1979; lowest measured, 33.84 ft above sea level, July 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	34.70	DEC 13	34.76	JAN 23	34.91	MAR 17	34.69	MAY 17	34.33	JUL 20	34.12

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.61 ft above sea level, June 11, 1984; lowest measured, 66.87 ft above sea level, August 23, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	26.93	JAN 18	26.16	MAY 17	25.19	JUL 21	24.74	AUG 28	24.41	SEP 19	24.26
DEC 14	26.48	MAR 22	25.58								

405604073064301. Local number, S 47973.1

LOCATION.--Lat 40°56'04", long 73°08'43", Hydrologic Unit 02030201, at north side of State Route 25A, 189 ft west of Ridgeway Avenue, Setauket. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 90 ft, screened 78 to 88 ft.

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

DATUM.--Land-surface datum is 94.0 ft above sea level. Measuring point: Top of 6-in. steel flange, 2.43 ft below land-surface datum.

PERIOD OF RECORD.--January 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.14 ft above sea level, April 26, 1991; lowest measured, 20.83 ft above sea level, March 5, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	24.66	DEC 16	24.30	JAN 23	24.20	MAR 16	24.14	MAY 17	23.94	JUL 20	23.54

410243071560101. Local number, S 48519.1

LOCATION.--Lat 41°02'42", long 71°56'05", Hydrologic Unit 02030202, at southwest corner of South Fairview Avenue and South Federal Street, Montauk. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 82 ft, screened 68 to 78 ft.

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

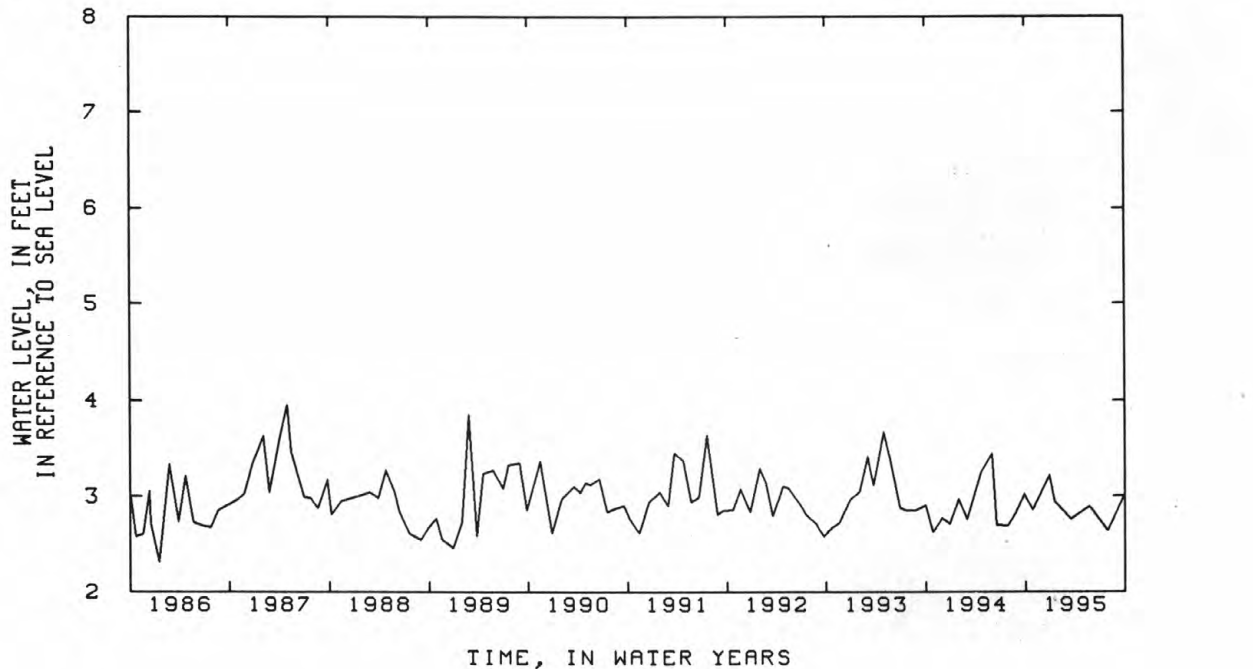
DATUM.--Land-surface datum is 63.5 ft above sea level. Measuring point: Top of 6-in. steel flange, 1.68 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.59 ft above sea level, March 15, 1983; lowest measured, 2.07 ft above sea level, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.86	JAN 17	2.94	MAR 16	2.76	MAY 23	2.89	JUL 27	2.64	SEP 27	3.01
DEC 28	3.22										



410149071583201. Local number, S 48577.1

LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (Rt. 27), 19 ft east of entrance to East Hampton Disposal and Recycling Center, Montauk. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 189 ft, screened 173 to 183 ft.

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

DATUM.--Land-surface datum is 168.1 ft above sea level. Measuring point: Top of 6-in. steel flange, 1.61 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.50 ft above sea level, September 18, 1979; lowest measured, 0.54 ft below sea level, May 5, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.70	DEC 28	4.05	JAN 17	3.70	MAR 16	3.62	MAY 23	3.28	JUL 27	3.29

410316071535501. Local number, S 48579.1

LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (Rt. 27), adjacent to intersection with Old Montauk Highway, Montauk. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 66 ft, screened 53 to 56 ft.

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

DATUM.--Land-surface datum is 38.6 ft above sea level. Measuring point: Top of 6-in. steel flange, 1.55 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft above sea level, June 5, 1984; lowest measured, 2.46 ft above sea level, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.26	JAN 17	3.08	MAR 16	2.91	MAY 23	3.20	JUL 27	3.09	SEP 27	3.35
DEC 28	3.34										

405309073125401. Local number, S 50507.1

LOCATION.--Lat 40°53'09", long 73°12'54", Hydrologic Unit 02030201, at east side of Landing Avenue, 1.5 miles north of Spruce Street, San Remo. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.

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

DATUM.--Land-surface datum is 90.3 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.01 ft above land-surface datum.

PERIOD OF RECORD.--December 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.23 ft above sea level, September 19, 1984; lowest measured, 41.51 ft above sea level, December 14, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	43.42	DEC 13	43.17	JAN 23	42.98	MAR 14	42.83	MAY 17	42.65	JUL 20	42.57

LOCATION.--Lat 41°01'04", long 72°30'33", Hydrologic Unit 02030202, at east side of Alvahs Lane, 200 ft north of Middle Road (Rt. 27), Southold. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 62 ft., screened 49 to 59 ft.

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

DATUM.--Land-surface datum is 42.0 ft above sea level. Measuring point: Top of 6-in. steel flange, 0.51 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.32 ft above sea level, September 28, 1989; lowest measured, 3.52 ft above sea level, November 20, 1981.

[illegible]

LOCATION.--Lat 40°46'42", long 72°52'00", Hydrologic Unit 02030202, at grassy divide between Margin Drive West and William Floyd Parkway, 156 ft south of Ranch Avenue, Center Moriches. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 34 ft, screened 30 to 34 ft.

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

DATUM.--Land-surface datum is 33.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.43 ft below land-surface datum.

PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.62 ft above sea level, August 23, 1989; lowest measured, 6.48 ft above sea level, December 15, 1981.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	8.04	JAN 18	7.98	MAY 17	8.28	JUL 21	7.85	AUG 23	7.52	SEP 19	7.46
DEC 14	7.86	MAR 16	8.34								

LOCATION.--Lat 40°54'18", long 72°49'44", Hydrologic Unit 02030202, at northeast corner of Wading River Road and Grumman Boulevard, Manorville. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.

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

DATUM.--Land-surface datum is 63.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.63 ft above sea level, February 1, 1979;
lowest measured, 40.50 ft above sea level, November 21, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	42.09	JAN 19	42.55	MAY 19	42.60	JUL 24	41.84	AUG 22	41.28	SEP 28	40.57
DEC 21	42.00	MAR 14	42.87								

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.41 ft above sea level, September 25, 1984; lowest measured, 15.25 ft above sea level, December 29, 1986.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.50 ft above sea level, August 30, 1989; lowest measured, 3.19 ft above sea level, March 13, 1986.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27 DEC 28	3.86 3.78	JAN 17	3.48	MAR 21	3.52	MAY 23	3.55	JUL 27	3.34	SEP 27	3.49

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.31 ft above sea level, April 4, 1979; lowest measured, 5.80 ft above sea level, December 17, 1981.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27 DEC 28	6.78 6.57	JAN 17	6.49	MAR 16	6.64	MAY 23	6.70	JUL 27	6.41	SEP 27	5.91

405927072041901. Local number, S 57372.1

LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at south side of Montauk Highway (Rt. 27), 2.4 miles east of Bluff Road, Napeague State Park. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 12 ft, screened 8 to 12 ft.

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

DATUM.--Land-surface datum is 8.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.03 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year. Unpublished records from January 1976 to September 1983 are available in files of Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft above sea level, July 18, 1989; lowest measured, 2.16 ft above sea level, July 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	4.05	JAN 17	3.14	MAR 16	2.83	MAY 23	3.02	JUL 27	2.81	SEP 27	3.34

410040072002501. Local number, S 58921.1

LOCATION.--Lat 41°00'40", long 72°00'24", Hydrologic Unit 02030202, at north side of Montauk Highway (Rt. 27), east of Hither Hills State Park entrance, Hither Hills. Owner: Nassau-Suffolk Regional Planning Board.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 75 ft, screened 67 to 72 ft.

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

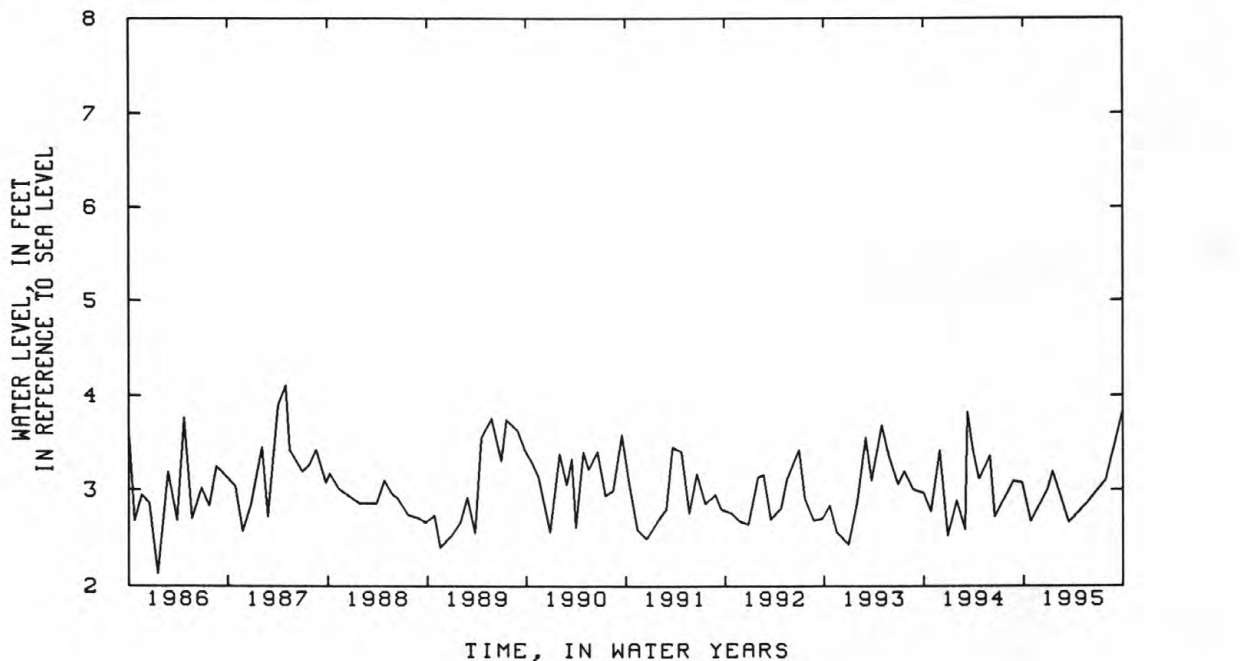
DATUM.--Land-surface datum is 48.0 ft above sea level. Measuring point: Top of 4-in. PVC casing, 0.25 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft above sea level, April 30, 1987; lowest measured, 2.11 ft above sea level, January 26, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.67	JAN 17	3.20	MAR 16	2.66	MAY 23	2.87	JUL 27	3.10	SEP 27	3.82
DEC 28	3.01										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.51 ft above sea level, September 16, 1982; lowest measured, 0.19 ft above sea level, January 17, 1983.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft above sea level, April 17, 1984;
lowest measured, 4.48 ft above sea level, June 23, 1986.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.69 ft above sea level, June 20, 1984;
lowest measured, 6.16 ft above sea level, November 18, 1988.

[illegible]

LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, southern middle well, Wainscott. Owner: United States Geological Survey. AQUIFER --Upper Glacial (water-table).

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

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.47 ft above sea level, July 18, 1989; lowest measured, 5.84 ft above sea level, July 2, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, southern most well, Wainscott. Owner: United States Geological Survey.

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

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.45 ft above sea level, July 18, 1989; lowest measured, 5.86 ft above sea level, July 27, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°58'58", long 72°21'36", Hydrologic Unit 02030202, at south end of Club Lane, 587 ft east of Wildwood Road, Noyack. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 84 ft, screened 80 to 84 ft.

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

DATUM.--Land-surface datum is 99.3 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.

PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.32 ft above sea level, June 20, 1984; lowest measured, 32.58 ft above sea level, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

405740073084501. Local number, S 62405.1

LOCATION.--Lat 40°57'40", long 73°06'45", Hydrologic Unit 02030201, at Conscience Circle, on southwest corner of grass island, west of Maple Road, Strong's Neck. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.

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

DATUM.--Land-surface datum is 38.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft above sea level, June 25, 1982; lowest measured, 2.79 ft above sea level, March 26, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	3.74	DEC 16	3.45	JAN 23	3.67	MAR 16	3.51	MAY 17	3.65	JUL 20	3.54

404813073084102. Local number, S 65601.1

LOCATION.--Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at northside of Johnson Avenue, 70 ft east of Terry Road, Ronkonkoma. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 41 ft, screened 38 to 41 ft.

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

DATUM.--Land-surface datum is 62.6 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.20 ft below land-surface datum.

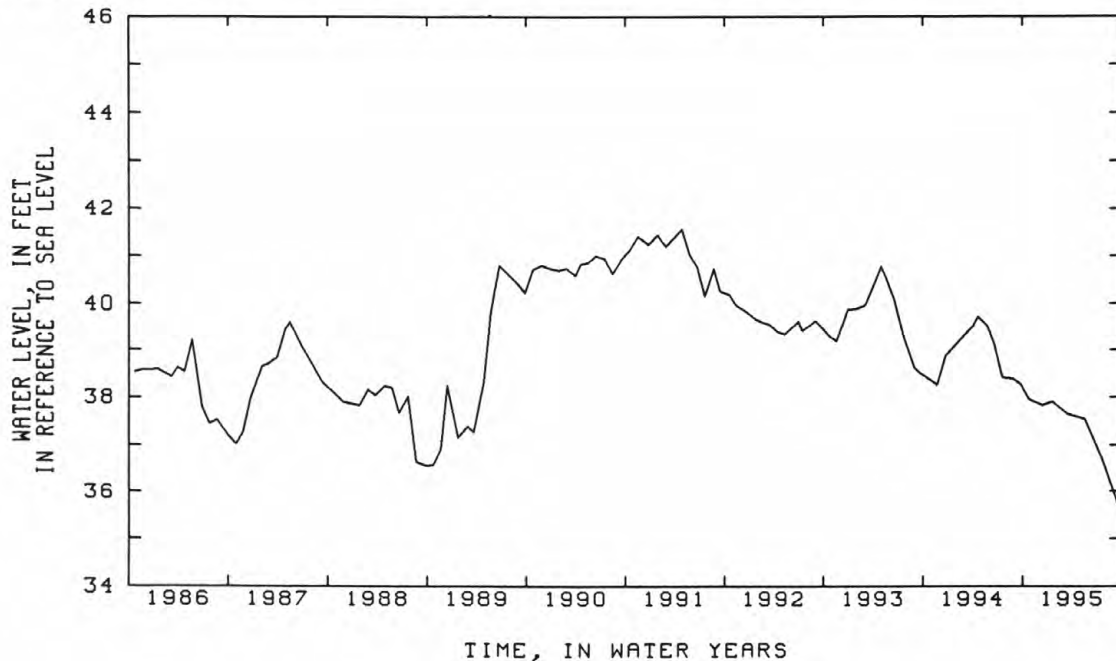
REMARKS.--Replaced well S 1813.2 in September 1978. Record from November 1939 to September 1978 are available in files of Long Island Subdistrict Office.

PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.39 ft above sea level, July 23, 1984; lowest measured, 35.69 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	37.96	JAN 18	37.90	MAR 16	37.64	MAY 18	37.54	JUL 21	36.70	SEP 19	35.69
DEC 14	37.82										



405030073180601. Local number, S 65602.1

LOCATION.--Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at southwest corner of Wilshire Drive and Renee Place, Commack. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 96 ft, screened 91 to 96 ft.

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

DATUM.--Land-surface datum is 146.0 ft above sea level. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.

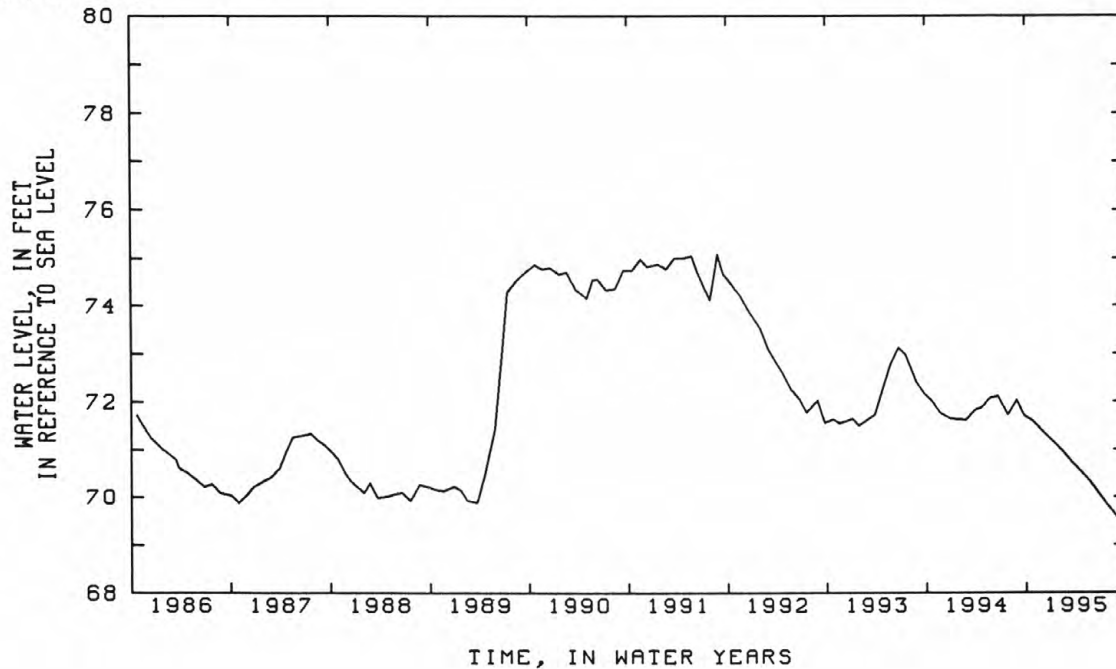
REMARKS.--Replaces well S 3514.1 in September 1978, which has a period of record from May 1942 to September 1978.

PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.41 ft above sea level, August 28, 1979; lowest measured, 69.40 ft above sea level, September 21, 1995.

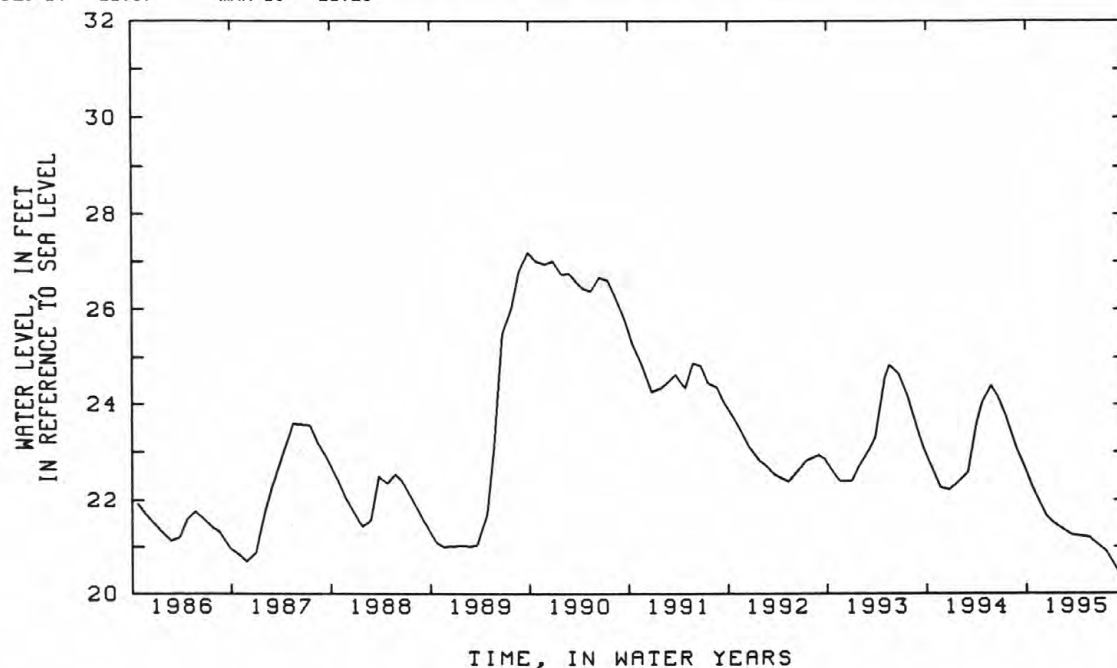
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	71.60	JAN 23	71.10	MAR 14	70.74	MAY 16	70.36	JUL 20	69.85	SEP 21	69.40
DEC 13	71.30										



lowest measured, 20.31 ft above sea level, September 19, 1995.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	22.28	JAN 18	21.46	MAY 17	21.19	JUL 21	20.89	AUG 22	20.59	SEP 19	20.31
DEC 14	21.67	MAR 15	21.25								



lowest measured, 17.06 ft above sea level, September 19, 1995.

[illegible]

403935073235001. Local number, S 66136.1

LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road across from Harding Road, eastern most well, Copiague. Owner: Suffolk County Department of Health Services.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled PVC observation well, casing diameter 6 in., screen diameter 4 in., depth 134 ft, screened 124 to 134 ft.

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

DATUM.--Land-surface datum is 5.0 ft above sea level. Measuring point: Top of 6-in. PVC casing, 2.43 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft above sea level, March 4, 1991; lowest measured, 3.31 ft above sea level, July 31, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	4.11	JAN 19	4.07	MAR 24	3.86	MAY 18	4.12	JUL 31	3.31	SEP 26	4.20
DEC 22	3.56										

404524073123401. Local number, S 66149.1

LOCATION.--Lat 40°45'24", long 73°12'34", Hydrologic Unit 02030202, at southeast corner of Islip Avenue (Rt. 111) and Spur Drive North, near Southern State Parkway exit ramp, Islip. Owner: Suffolk County Department of Environmental Conservation.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 167 ft, screened 157 to 167 ft.

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

DATUM.--Land-surface datum is 40.0 ft above sea level. Measuring point: Top of 4-in. PVC casing, 2.33 ft below land-surface datum.

PERIOD OF RECORD.--January 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.92 ft above sea level, May 22 and June 22, 1989; lowest measured, 20.55 ft above sea level, March 7, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	22.63	JAN 18	22.22	MAR 16	23.55	MAY 18	23.05	JUL 21	22.12	SEP 19	21.55
DEC 14	23.01										

403935073235002. Local number, S 67537.1

LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, eastern middle well, Copiague. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 61 ft, screened 56 to 61 ft.

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

DATUM.--Land-surface datum is 7.8 ft above sea level. Measuring point: Top of 2-in. PVC casing, 0.28 ft below land-surface datum.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.48 ft above sea level, August 21, 1990; lowest measured, 1.28 ft above sea level, December 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	2.12	DEC 22	1.40	JAN 19	1.93	MAY 18	2.13	JUL 31	1.46	SEP 26	2.57

405529073272901. Local number, S 69781.1

LOCATION.--Lat 40°55'29", long 73°27'29", Hydrologic Unit 02030201, at Caumsett State Park, 1 mile northeast of parking field, on park service road, Lloyd Neck. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 155 ft, screened 139 to 149 ft.

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

DATUM.--Land-surface datum is 109.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.66 ft below land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.85 ft above sea level, July 13, 1990; lowest measured, 6.44 ft above sea level, March 22, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.68	DEC 13	7.25	JAN 23	7.05	MAR 13	6.77	MAY 17	6.74	JUL 20	6.51

410343071533101. Local number, S 70262.1

LOCATION.--Lat 41°03'43", long 71°53'31", Hydrologic Unit 02030202, at south side of Montauk Point State Parkway (Rt. 27), 110 ft west of Highway Marker 27 0705 19.02, Montauk. Owner: United States Geological Survey.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 168 ft, screened 158 to 163 ft.

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

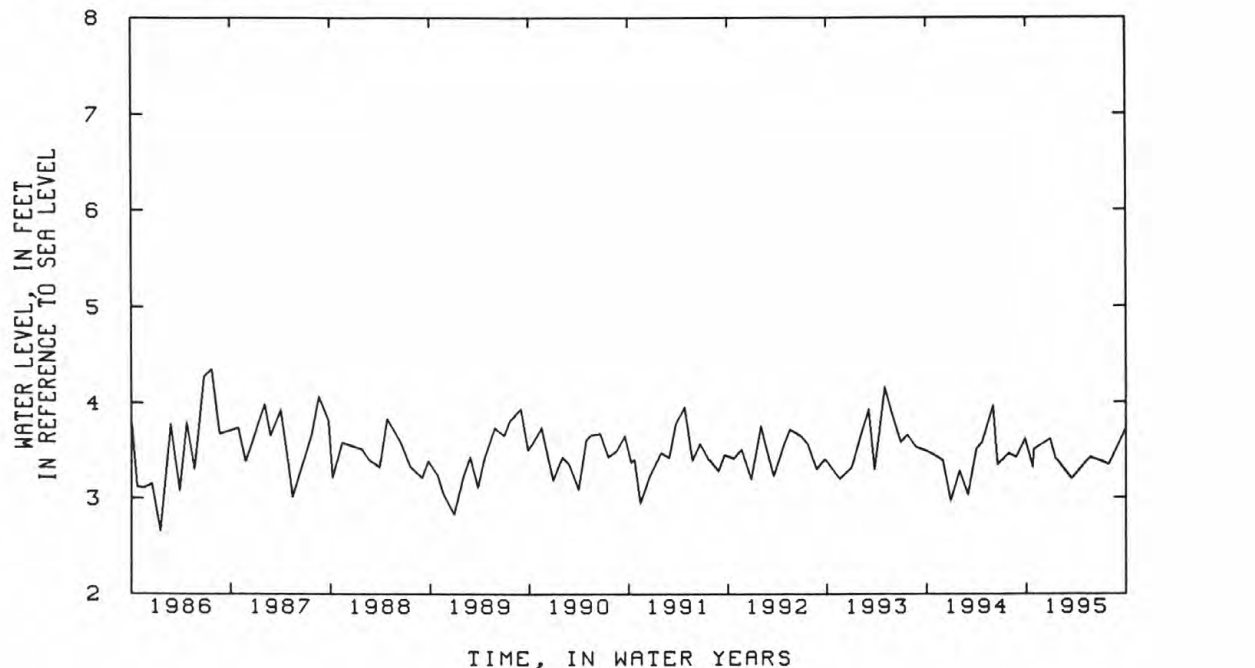
DATUM.--Land-surface datum is 50.5 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.32 ft below land-surface datum.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.94 ft above sea level, May 23, 1983; lowest measured, 2.62 ft above sea level, November 3, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.32	DEC 28	3.62	MAR 16	3.20	MAY 23	3.43	JUL 27	3.35	SEP 27	3.72
27	3.51	JAN 17	3.42								



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.02 ft above sea level, September 27, 1984; lowest measured, 6.48 ft above sea level, September 28, 1995.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.47 ft above sea level, April 17, 1984; lowest measured, 4.43 ft above sea level, September 23, 1986.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft above sea level, June 20, 1984; lowest measured, 4.30 ft above sea level, October 28, 1988

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.73 ft above sea level, August 30, 1989;
lowest measured, 4.00 ft above sea level, December 5, 1986.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.63 ft above sea level, April 17, 1984;
lowest measured, 8.73 ft above sea level, December 18, 1990.

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.22 ft above sea level, June 21, 1984; lowest measured, 33.64 ft above sea level, December 29, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	36.35	JAN 19	35.31	MAY 19	35.21	JUL 24	34.86	AUG 22	34.62	SEP 28	34.21
DEC 21	35.51	MAR 15	35.26								

LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, western most well, Pinelawn. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 441 ft, screened 433 to 438 ft.

DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling,

0.90 ft below land-surface datum.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.33 ft above sea level, June 5, 1984;

lowest measured, 48.43 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°44'43", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, middle well, Pinelawn. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 196 ft., screened 188 to 193 ft.

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

DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling.

0.22 ft below land-surface datum.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.94 ft above sea level, June 5, 1984;

lowest measured, 49.36 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, eastern most well, Pinelawn. Owner: Suffolk County Department of Health Services.

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

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 62 ft, screened 47 to 52 ft.

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

DATUM.--Land-surface datum is 86.5 ft above sea level. Measuring point: Top of 4-in. PVC coupling,

0.51 ft below land-surface datum.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.19 ft above sea level, June 5, 1984;

lowest measured, 49.46 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.57 ft above sea level, June 9, 1984; lowest measured, 47.86 ft above sea level, September 19, 1995.

[illegible]

LOCATION.--Lat 40°48'59", long 73°01'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 134 ft north of parking lot, southern most well, Dix Hills. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 203 ft, screened 195 to 200 ft.

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

DATUM.--Land-surface datum is 230.5 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.98 ft below land-surface datum.

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.96 ft above sea level, November 20, 1991; lowest measured, 70.84 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jeffryn Boulevard, western most well, Deer Park. Owner: Suffolk County Department of Health Services.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 762 ft., screened 752 to 757 ft.

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

DATUM.--Land-surface datum is 63.5 ft above sea level. Measuring point: Top of 4-in. steel coupling, 0.33 ft below land-surface datum.

PERIOD OF RECORD.--June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.77 ft above sea level, November 16, 1990; lowest measured, 38.98 ft above sea level, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jeffryn Boulevard, eastern middle well, Deer Park. Owner: Suffolk County Department of Health Services.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 503 ft, screened 495 to 500 ft.

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

DATUM.--Land-surface datum is 63.2 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.35 ft below land-surface datum.

PERIOD OF RECORD.--June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.50 ft above sea level, November 16, 1990; lowest measured, 38.72 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995[illegible]

LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at south side of dirt road, 138 ft east of Riverhead-Hampton Bays Road (Rt. 24), 195 ft south of Bellows Pond Road, western most well, Rampasture.

AQUIFER.--Lloyd (confined).

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

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.24 ft above sea level, August 23, 1989;
lowest measured, 6.94 ft above sea level, September 22, 1986.

[illegible]

LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, western middle well, Copiaque. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 1,219 ft., screened 1,192 to 1,214 ft.

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

REMARKS.--Water level affected by tidal fluctuation. Flowing well, measurement taken from top of removable calibrated PVC extension.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.29 ft above sea level, February 24, 1992, and April 7, 1992; lowest measured, 14.07 ft above sea level, September 30, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21 DEC 22	16.41 16.79	JAN 19	17.17	MAR 24	17.81	MAY 18	17.88	JUL 31	16.44	SEP 26	15.68

LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park ,south side of Kerrigan Road, across from Harding Road, western most well, Copaque. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 680 ft, screened 670 to 675 ft.

INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by USGS personnel.

REMARKS.--Water level affected by tidal fluctuation.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.22 ft above sea level, March 4, 1991;
lowest measured, 5.12 ft above sea level, July 31, 1955.

[illegible]

405604073084302. Local number, S 81831.1

LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at north side of North Country Road (Rt. 25A), 199 ft west of Ridgeway Avenue, East Setauket. Owner: Suffolk County Department of Environmental Conservation.

AQUIFER.--Magothy (confined).

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 470 ft, screened 462 to 467 ft.

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

DATUM.--Land-surface datum is 94.0 ft above sea level. Measuring point: Top of 4-in. PVC coupling, 0.96 ft below land-surface datum.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.03 ft above sea level, February 13, 1991; lowest measured, 18.77 ft above sea level, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	20.61	DEC 16	20.86	JAN 23	21.00	MAR 16	20.71	MAY 17	20.56	JUL 20	19.71

405536072375301. Local number, S 82938.1

LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island County Park, north side of main entrance road, 107 ft east of restroom facilities, Riverhead. Owner: Suffolk County Department of Health Services.

AQUIFER.--Lloyd (confined).

WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 1,022 ft, screened 1,010 to 1,022 ft.

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

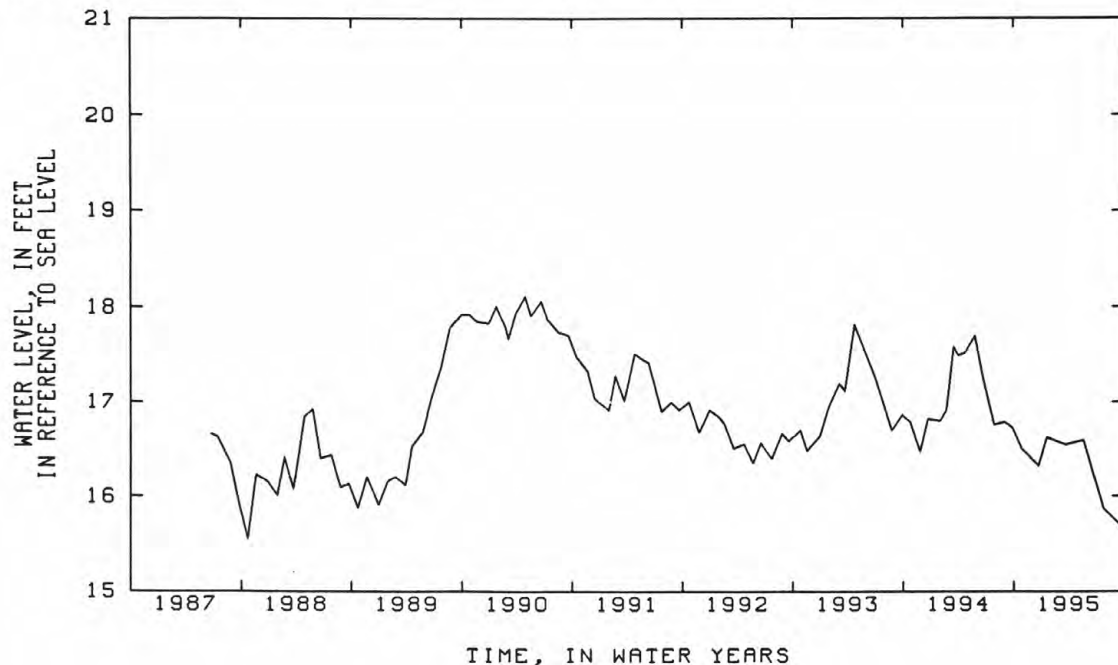
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 2-in. steel coupling, 0.14 ft below land-surface datum.

PERIOD OF RECORD.--June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.11 ft above sea level, April 27, 1990; lowest measured, 15.55 ft above sea level, October 23, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.51	JAN 19	16.63	MAR 20	16.55	MAY 19	16.60	JUL 24	15.87	SEP 28	15.66
DEC 21	16.33										



EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft above sea level, July 21, 1989; lowest measured, 0.92 ft above sea level, December 29, 1988.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.81 ft above sea level, June 15, 1990; lowest measured, 21.31 ft above sea level, September 19, 1995.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.45 ft above sea level, June 15, 1990; lowest measured, 19.03 ft above sea level, September 19, 1995.

[illegible]

LOCATION:--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, north side of dirt road leading from picnic area to Carman's River. 240 ft west of river, eastern middle well, Yaphank.

AQUIFER.--Magothy (water-table).

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

0.21 ft above land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.73 ft above sea level, March 4, 1991;

lowest measured, 10.26 ft above sea level, August 23, 1995.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.57	JAN 18	10.78	MAY 17	10.65	JUL 21	10.51	AUG 23	10.26	SEP 19	10.36
DEC 14	10.72	MAR 17	10.86								

LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, north side of dirt road leading from picnic area to Carman's River. 246 ft west of river, western middle well, Yaphank.

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

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

0.52 ft below land-surface datum.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.19 ft above sea level, June 9, 1988;

lowest measured, 10.15 ft above sea level, August 23, 1995.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.44	JAN 18	10.74	MAY 17	10.58	JUL 21	10.40	AUG 23	10.15	SEP 19	10.26
DEC 14	10.62	MAR 17	10.70								

LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, northern most well, Pinelawn. Owner: Suffolk County Department of Health Services.

WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 983 ft, screened 968 to 978 ft.

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

0.28 ft above land-surface datum

PERIOD OF RECORD.--June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.63 ft above sea level, March 20, 1991;

lowest measured, 22.84 ft above sea level, August 22, 1988.

[illegible]

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995[illegible]

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404057073583701	K 19. 1	404058	735840	112JMC0	1954	46.9	--	--	01-03-95 03-15-95 06-22-95 09-29-95	8.59 8.28 7.87 7.73
403451073585601	K 2859. 1	403451	735856	211LLYD	1981	8.0	474	500	03-17-95	5.68
403750073571701	K 3132. 1	403750	735717	112JMC0	1982	31.0	259	300	03-15-95	5.51
403612073573208	K 3159. 1	403612	735732	112GLCLU	1970	20.0	32	35	03-15-95	4.11
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	01-03-95 03-15-95 06-21-95 09-29-95	3.61 3.59 3.68 3.86
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	01-03-95 03-14-95 06-21-95 09-29-95	4.76 4.92 4.71 4.99
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	01-03-95 03-14-95 06-21-95 09-29-95	1.78 1.50 1.59 1.95
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	01-03-95 03-14-95 06-21-95 09-29-95	4.49 4.76 4.26 4.20
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	01-03-95 06-21-95 09-29-95	5.51 5.31 5.26
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	01-03-95 03-14-95 06-21-95 09-29-95	10.11 9.98 9.72 9.54
404057073585901	K 3259. 1	404056	735900	112GLCLU	1980	23.0	27	30	01-03-95 03-14-95	13.34 13.98
404325073563508	K 3260. 1	404325	735635	112GLCLU	1980	28.7	20	23	01-03-95 06-22-95 09-29-95	10.61 9.94 10.00
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	03-14-95 06-21-95 09-29-95	5.63 5.48 5.38
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	01-03-95 03-15-95 06-21-95 09-29-95	8.10 7.15 7.13 7.34
404037073584001	K 3301. 1	404036	735840	112GLCLU	1984	60.6	65	70	10-18-94 12-13-94 01-25-95 03-14-95 05-23-95 07-19-95 09-26-95	16.51 15.62 15.56 15.95 15.97 16.44 16.28

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM	DATE	WATER LEVEL (FT, MSL)
403719073573301	K 3405. 1	403719	735733		1995	--	-- --	03-15-95	4.93
403520073575701	K 3407. 1	403520	735757		1995	--	-- --	03-14-95	2.45
404039073555002	K 3410. 1	404039	735550		1995	--	-- --	03-14-95	7.86
403431073581101	K 3414. 1	403431	735811		1995	--	-- --	03-14-95	0.50
403806074021902	K 3423. 1	403806	740219		1995	--	-- --	03-14-95	2.26
403840073592101	K 3424. 1	403840	735921		1995	--	-- --	03-14-95	7.60
404039073555001	K 3425. 1	404039	735550		1993	--	-- --	12-13-94	11.28
								01-25-95	11.19
								03-14-95	11.03
								05-23-95	10.76
								07-19-95	10.65
								09-26-95	10.64

GROUND-WATER LEVELS: NASSAU COUNTY

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM		DATE	WATER LEVEL (FT, MSL)
404735073424218	N 24. 3	404735	734242	211LLYD	1955	11.8	359	419	12-16-94 03-15-95 04-13-95 06-14-95	2.19 4.71 2.93 1.62
405110073430401	N 36. 2	405109	734303	112PGQF	1936	46.0	200	214	05-05-95	4.55
405244073352301	N 119. 1	405243	733524	211LLYD	1945	79.7	497	571	04-13-95	36.61
405342073340301	N 511. 1	405341	733403	112PGQF	1947	7.0	--	--	06-29-95	14.97
404940073392701	N 662. 1	404940	733927	211LLYD	1977	10.6	347	363	12-15-94 03-16-95 06-13-95 08-23-95	14.70 15.50 13.34 10.58
404527073353301	N 845. 1	404527	733533	211MGTY	1941	110.0	--	204	04-12-95	64.53
405036073391201	N 906. 1	405035	733912	211LLYD	1946	11.1	319	419	04-12-95	17.14
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	10-24-94 12-20-94 01-23-95 03-20-95 05-31-95 07-28-95 09-14-95	9.93 9.23 9.63 9.67 9.06 8.88 7.92
405048073404303	N 1118. 21	405048	734043	112GLCLU	1961	147.0	73	82	12-15-94 03-16-95 06-13-95 08-23-95	78.53 77.66 77.40 76.95
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	10-18-94 12-15-94 01-23-95 03-16-95 05-24-95 06-13-95 07-26-95 08-23-95 09-22-95	46.53 46.29 46.13 46.02 45.87 45.75 45.59 45.17 44.97
403942073371301	N 1147. 2	403942	733713	112GLCLU	1966	27.0	21	24	03-13-95	13.51
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	12-15-94 01-19-95 03-15-95 05-16-95 06-15-95 07-25-95 09-21-95	41.39 41.23 40.96 40.85 40.73 40.59 40.25
405007073373101	N 1153. 1	405007	733731	211MGTY	1940	122.0	--	86	12-20-94 03-15-95 06-15-95	54.37 54.18 52.99
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	10-18-94 12-13-94 01-18-95 05-22-95 06-13-95 07-28-95 09-20-95	64.10 64.22 64.10 63.50 63.13 62.38 61.36

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

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SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404736073353101	N 1176. 1	404736	733531	211MGTY	1940	195.0	193	198	12-22-94 03-13-95 06-15-95	73.73 74.23 72.81
404037073335303	N 1184. 3	404036	733351	112GLCLU	1969	32.0	26	31	03-13-95	18.63
405246073343301	N 1189. 1	405246	733433	112PGFG	1941	67.0	--	--	12-22-94 03-16-95 06-13-95	58.30 59.17 59.03
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	10-20-94 12-13-94 01-18-95 03-13-95 05-18-95 07-26-95 09-19-95	75.10 74.91 74.75 74.44 73.83 73.50 72.50
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	10-20-94 12-13-94 01-19-95 03-13-95 05-18-95 07-26-95 09-19-95	34.30 34.04 34.66 32.80 34.13 33.29 32.26
404015073312702	N 1204. 2	404015	733127	112GLCLU	1975	21.0	37	40	03-15-95	11.70
404542073282803	N 1232. 3	404542	732828	211MGTY	1975	111.0	52	57	10-20-94 12-13-94 01-19-95 05-19-95 07-26-95 09-19-95	69.49 68.80 68.81 67.98 67.17 65.90
404447073282201	N 1233. 3	404447	732822	112GLCLU	1961	89.0	37	40	03-15-95	59.30
404301073275104	N 1236. 3	404301	732751	112GLCLU	1975	70.0	47	52	03-14-95	40.70
404102073283401	N 1260. 1	404102	732834	112GLCLU	1936	33.0	--	--	03-14-95	19.27
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	10-20-94 12-21-94 01-31-95 03-17-95 05-16-95 07-26-95 09-13-95	5.20 5.43 5.38 5.39 5.32 4.83 4.51
404024073272804	N 1280. 2	404024	732728		1965	20.0	--	--	03-14-95	10.05
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	10-24-94 12-20-94 01-23-95 03-20-95 05-31-95 07-28-95 09-14-95	6.89 6.62 7.08 6.94 6.26 6.35 5.52
404008073380501	N 1438. 2	404009	733804	112GLCLU	1981	35.0	--	--	03-13-95	16.06
403926073381601	N 1439. 2	403925	733817	112GLCLU	1984	27.0	26	29	03-13-95	11.17

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	10-18-94	18.54
									12-14-94	17.58
									01-27-95	19.09
									03-13-95	19.44
									05-15-95	18.99
									07-25-95	18.70
									09-15-95	16.79
404038073400101	N 1459. 2	404038	734001	112GLCLU	1956	36.0	26	29	03-13-95	17.05
405325073293301	N 1486. 1	405325	732933	211LLYD	1984	8.0	--	--	06-29-95	15.32
404210073340801	N 1615. 4	404210	733408	112GLCLU	1989	--	--	--	10-17-94	37.22
									12-09-94	36.69
									12-28-94	36.83
									01-17-95	37.03
									02-27-95	37.07
									03-13-95	37.20
									03-13-95	37.21
									04-18-95	37.15
									05-15-95	36.75
									06-15-95	36.33
									07-24-95	35.67
									08-30-95	34.93
									09-28-95	34.54
404631073421501	N 1618. 2	404631	734215	211LLYD	1946	82.5	470	550	04-13-95	7.32
404532073420901	N 1802. 2	404512	734210	211LLYD	1946	131.0	641	691	04-13-95	10.01
404516073343401	N 2602. 2	404518	733433	211LLYD	1953	116.0	760	800	04-12-95	19.80
404943073415201	N 2635. 1	404943	734152	112GRDR	1948	41.0	150	154	12-15-94	24.51
									03-16-95	24.35
									06-13-95	23.98
									08-23-95	23.64
404445073365101	N 2748. 3	404445	733651	211MGTY	1982	94.0	460	510	05-02-95	57.26
404850073344501	N 3475. 1	404849	733445	211MGTY	1955	208.0	432	482	04-11-95	73.60
404359073283601	N 3554. 1	404359	732836	211MGTY	1968	90.0	265	269	10-20-94	52.73
									12-13-94	52.39
									01-19-95	52.15
									03-15-95	52.13
									05-19-95	51.58
									07-26-95	50.13
09-19-95	48.99									
403842073420201	N 3707. 3	403842	734202	112GLCLU	1968	8.0	15	17	03-20-95	2.03
403823073422301	N 3710. 1	403823	734322	112GLCLU	1968	6.0	15	18	03-20-95	0.66
403859073430501	N 3711. 3	403859	734305	112GLCLU	1968	8.0	21	24	03-20-95	1.45
403621073441801	N 3862. 2	403621	734418	211MGTY	1968	8.0	295	306	03-20-95	3.46
403621073441702	N 4062. 1	403621	734418	112JMCO	1968	8.0	137	142	03-20-95	3.33
403904073324101	N 4149. 2	403904	733241	211MGTY	1968	4.8	546	562	03-17-95	9.08
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	12-16-94	10.91
									03-15-95	11.95
									06-14-95	7.50
									08-24-95	-2.05

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
405221073300701	N 4400. 2	405154	732958	211MGTY	1965	36.0	214	302	04-11-95	28.48
404306073332901	N 4448. 1	404307	733328	211MGTY	1964	79.0	500	550	04-26-95	39.76
403547073300901	N 4547. 1	403547	733009	211MGTY	1968	15.0	216	256	05-08-95	5.13
405325073351401	N 5152. 1	405326	733514	112PGQF	1955	44.1	305	355	04-13-95	22.61
404941073403101	N 5210. 1	404941	734031	112GLCLU	1955	200.0	292	302	04-12-95	22.99
405129073361501	N 5762. 2	405129	733615	211MGTY	1956	145.0	221	280	05-03-95	55.35
404820073381401	N 5883. 1	404820	733814	211MGTY	1956	208.0	210	215	12-15-94 03-16-95 06-13-95 08-23-95	49.18 48.78 47.95 47.01
404707073305301	N 6190. 2	404707	733053	211MGTY	1961	177.0	550	600	04-12-95	75.28
404517073310201	N 6192. 2	404517	733102	211MGTY	1961	132.0	575	626	04-12-95	63.73
403601073390703	N 6366. 3	403601	733907	112GLCLU	1966	7.0	--	--	03-22-95	1.48
403642073433201	N 6510. 1	403642	734332	211MGTY	1958	8.0	455	461	03-20-95	-2.47
404630073293801	N 6580. 2	404630	732938	211MGTY	1964	158.0	523	596	04-12-95	71.59
405242073352201	N 6670. 1	405242	733522	112GLCLU	1968	81.0	--	--	12-20-94 03-14-95 06-15-95	73.66 73.45 73.11
403517073430610	N 6701. 2	403517	734306	211RCNF	1959	11.0	822	832	12-20-94 03-21-95 05-31-95 07-31-95 09-14-95	7.37 8.89 8.47 8.58 8.32
403517073430703	N 6703. 1	403517	734306	211MGTY	1968	10.0	468	478	03-21-95	3.42
403517073430704	N 6704. 1	403517	734306	211MGTY	1968	10.0	284	294	03-21-95	5.75
403713073415903	N 6706. 1	403713	734159	211MGTY	1991	6.0	625	630	03-20-95	4.90
403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	10-24-94 12-20-94 03-20-95 05-31-95 07-31-95 09-14-95	4.92 4.95 4.91 4.71 4.68 3.84
403533073353203	N 6851. 1	403533	733532	211MGTY	1968	7.0	551	556	03-16-95	5.83
403533073353204	N 6852. 1	403533	733532	211MGTY	1968	7.0	258	263	03-16-95	0.49
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	10-20-94 12-21-94 01-31-95 03-16-95 05-16-95 09-13-95	4.79 3.94 4.39 4.23 4.53 3.93
403805073395302	N 6928. 2	403805	733953	211RCNF	1987	6.0	716	726	03-22-95	4.20
404635073331001	N 7030. 1	404635	733311	211MGTY	1964	158.0	480	530	04-11-95	76.65

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

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STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM	DATE	WATER LEVEL (FT, MSL)
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237 240	10-17-94 12-15-94 01-19-95 03-18-95 05-16-95 06-13-95 07-25-95 09-21-95	9.11 9.40 9.62 8.58 9.00 6.46 3.24 -0.61
403838073405502	N 7235. 2	403838	734055	112GLCLU	1968	25.0	43 45	03-20-95	6.01
405018073395301	N 7244. 1	405018	733954	112PGQF	1981	13.9	292 302	12-15-94 03-18-95 06-13-95 08-23-95	13.05 13.81 11.81 9.59
404544073265502	N 7397. 2	404544	732655	112GLCLU	1984	154.0	96 101	03-14-95	65.12
404855073360102	N 7450. 2	404855	733601	211MGTY	1975	176.0	-- 134	12-22-94 03-14-95 06-15-95	71.03 70.55 69.78
404751073321901	N 7478. 1	404751	733219	211MGTY	1968	217.0	160 165	12-22-94 03-15-95 06-15-95	78.65 78.63 77.10
404652073372802	N 7513. 1	404652	733727	211MGTY	1964	154.0	420 470	04-25-95	62.83
404852073394802	N 7553. 2	404852	733948	211MGTY	1964	153.0	398 406	12-14-94 03-27-95	41.59 26.31
404611073401005	N 7651. 2	404611	734010	211MGTY	1970	162.0	321 405	04-13-95 04-27-95	44.14 43.80
405204073345401	N 7665. 1	405203	733500	112GLCLU	1970	218.0	320 370	04-18-95	47.37
403805073395303	N 7675. 1	403805	733953	112GLCLU	1974	6.0	28 34	03-22-95	1.66
403805073395304	N 7676. 1	403805	733953	112GLCLU	1974	5.5	7 10	03-22-95	1.46
405010073305901	N 7773. 1	405010	733059	211MGTY	1969	230.0	500 560	04-11-95	59.96
405059073384101	N 7857. 1	405100	733842	211LLYD	1970	188.0	560 614	05-11-95	17.03
404757073283301	N 8043. 1	404754	732831	211MGTY	1969	222.0	515 688	04-11-95	74.27
403910073341701	N 8203. 1	403909	733416	112GLCLU	1973	7.0	13 16	03-16-95	3.45
404156073262004	N 8214. 2	404156	732620	211MGTY	1969	37.0	605 686	04-26-95	21.83
404149073373101	N 8264. 1	404150	733732	211MGTY	1970	54.0	460 510	04-24-95	24.31
403558073302704	N 8414. 2	403559	733029	211LLYD	1969	7.5	1,005 1,075	05-08-95	6.67
403637073431101	N 8644. 1	403637	734309	112GLCLU	1970	18.0	21 24	03-20-95	5.48
404144073285201	N 8669. 1	404143	732850	112GLCLU	1970	42.0	30 35	03-14-95	27.79
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16 20	10-20-94 12-21-94 01-31-95 03-16-95	3.35 3.20 3.11 2.97
405145073372901	N 8716. 1	405145	733729	112GLCLU	1970	47.0	-- --	12-20-94 03-15-95	39.86 39.83

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SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM		DATE	WATER LEVEL (FT, MSL)
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	10-20-94 12-21-94 01-31-95 03-17-95 05-16-95 07-26-95 09-13-95	3.61 3.81 3.95 4.04 3.68 3.39 2.87
405124073421002	N 8766. 2	405124	734210	112PGQF	1982	92.5	320	360	05-05-95	6.32
403925073261101	N 8876. 1	403923	732611	112GLCLU	1972	5.0	30	35	03-17-95	1.67
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	10-18-94 12-16-94 01-23-95 03-15-95 05-24-95 06-14-95 07-26-95 08-24-95 09-22-95	10.17 10.26 10.31 9.87 9.61 10.07 9.24 8.17 8.13
405055073430701	N 8891. 1	405047	734314	112GLCLU	1972	60.0	67	72	12-15-94 03-16-95 06-13-95 08-23-95	8.28 8.73 8.37 7.54
404723073443501	N 8933. 1	404723	734435	112PGQF	1973	32.0	143	148	12-16-94 03-15-95 06-14-95 08-24-95	12.17 12.19 11.90 9.82
404313073352201	N 8944. 1	404313	733522	112GLCLU	1974	80.0	50	55	03-16-95	49.26
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	12-16-94 03-13-95 03-15-95 06-14-95 08-24-95	28.28 28.47 28.48 28.07 27.70
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	10-20-94 12-21-94 01-31-95 05-16-95 07-26-95 09-13-95	4.73 4.65 5.06 4.58 4.20 3.62
405204073363403	N 9066. 3	405204	733634	211MGTY	1983	143.0	220	270	03-27-95	49.45
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	10-18-94 12-14-94 01-27-95 03-13-95 05-15-95 07-25-95 09-15-95	51.01 50.43 50.70 50.73 50.31 49.75 48.69
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	10-20-94 12-13-94 01-19-95 03-14-95 05-22-95 07-27-95 09-19-95	76.29 76.61 76.34 76.40 75.54 74.30 73.28

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM	DATE	WATER LEVEL (FT, MSL)
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67 72	12-16-94 03-15-95 06-14-95 08-24-95	19.08 19.16 18.94 18.97
405113073361301	N 9115. 1	405113	733613	211MGTY	1970	145.0	105 110	12-22-94 03-15-95 06-15-95	57.47 57.16 56.60
405131073405802	N 9116. 1	405131	734058	112GLCLU	1976	15.0	26 31	12-15-94 03-16-95 06-13-95 08-23-95	7.78 7.96 7.53 7.34
405144073432902	N 9118. 1	405144	734329	112GLCLU	1976	51.0	95 100	12-15-94 03-16-95 06-13-95 08-23-95	3.79 4.04 3.92 3.55
405416073325701	N 9127. 1	405416	733257	112GLCLU	1976	10.0	36 41	12-22-94 03-16-95 06-13-95	2.10 2.59 3.21
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61 66	10-17-94 12-15-94 01-19-95 03-16-95 05-16-95 06-13-95 07-25-95 09-21-95	22.38 22.78 23.78 23.05 22.66 22.58 22.16 21.55
404633073345401	N 9168. 1	404633	733454	211MGTY	1976	165.0	212 217	12-14-94 06-13-95	85.20 84.02
405148073320201	N 9189. 1	405148	733202	112GLCLU	1981	59.0	37 42	12-22-94 03-16-95 06-13-95	43.48 43.36 42.65
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128 133	10-18-94 12-13-94 12-14-94 01-18-95 03-14-95 05-22-95 06-13-95 07-28-95 09-20-95	66.15 66.36 66.38 66.48 65.84 65.48 65.32 64.65 63.83
404331073330801	N 9225. 1	404331	733308	112GLCLU	1980	90.0	39 44	03-13-95	52.08
404430073331001	N 9234. 1	404430	733310	211MGTY	1980	107.0	200 205	03-13-95	61.70
404430073331002	N 9235. 1	404430	733310	211MGTY	1980	107.0	100 105	03-13-95	61.80
404430073331003	N 9236. 1	404430	733310	112GLCLU	1980	107.0	45 50	03-13-95	60.57
404735073424101	N 9308. 2	404735	734240	211LLYD	1981	15.2	307 410	04-13-95	5.42
404112073421003	N 9309. 1	404112	734210	112GLCLU	1977	42.7	54 59	03-13-95	18.56
404748073385705	N 9313. 1	404748	733857	112GLCLU	1977	58.0	-- 59	12-15-94 03-16-95 06-13-95 08-23-95	44.72 46.05 45.85 45.17

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405350073345401	N 9314. 1	405350	733454	112GLCLU	1977	32.0	49	54	12-22-94 03-16-95 06-13-95	20.04 20.61 20.03
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	10-17-94 12-15-94 01-19-95 03-16-95 05-16-95 06-13-95 07-25-95 09-21-95	3.63 3.54 3.50 3.36 3.77 3.58 3.29 3.19
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	10-18-94 12-13-94 01-18-95 05-19-95 06-14-95 07-27-95 09-20-95	67.68 67.86 67.95 67.73 67.04 66.01 64.83
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	10-18-94 01-18-95 03-15-95 05-22-95 06-15-95 07-27-95 09-20-95	75.00 74.60 74.38 73.60 73.33 72.90 71.92
405126073421002	N 9446. 2	405127	734210	112PGQF	1982	97.0	327	367	05-05-95	6.20
404125073325006	N 9473. 1	404125	733250	112GLCLU	1990	42.0	37	42	03-13-95	27.83
403526073441301	N 9474. 1	403526	734413	112GLCLU	1990	9.0	28	33	03-20-95	2.51
404208073433401	N 9476. 1	404208	734334	112GLCLU	1978	59.0	73	78	03-13-95	21.09
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	10-17-94 12-15-94 01-19-95 03-16-95 05-16-95 06-13-95 07-25-95 09-21-95	5.01 5.68 5.69 5.81 5.56 5.45 4.66 4.34
404944073393603	N 9608. 2	404944	733936	112GLCLU	1983	17.0	132	151	12-15-94 03-16-95 06-13-95 08-23-95	15.16 15.61 15.12 12.33
404154073374003	N 9648. 1	404154	733740	112GLCLU	1979	53.0	46	51	03-13-95	30.50
404219073293402	N 9658. 1	404219	732934	112GLCLU	1977	56.0	47	52	03-15-95	36.07
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	10-20-94 12-13-94 01-19-95 03-14-95 05-19-95 07-26-95 09-19-95	49.13 48.77 48.61 48.62 47.95 47.44 46.33
404136073303801	N 9664. 1	404136	733038		1987	36.0	26	31	03-15-95	24.81

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM	DATE	WATER LEVEL (FT, MSL)
404202073354306	N 9666. 1	404202	733543	112GLCLU	1979	55.0	42 47	03-14-95	35.93
404320073305602	N 9667. 1	404320	733056	112GLCLU	1985	76.0	50 55	03-15-95	47.61
404111073353303	N 9668. 1	404111	733533	112GLCLU	1979	49.0	45 50	03-14-95	26.84
405142073375603	N 9670. 1	405142	733756	112GLCLU	1979	33.0	37 42	12-20-94 03-15-95 06-15-95	23.86 23.95 23.65
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	-- 146	10-18-94 12-14-94 01-26-95 03-14-95 05-15-95 06-13-95 07-25-95 08-23-95 09-15-95	55.48 55.72 55.85 55.87 55.60 55.27 55.15 54.32 53.62
404846073440901	N 9776. 1	404846	734410	211LLYD	1982	30.5	268 279	12-16-94 03-15-95 06-14-95 08-24-95	8.28 9.66 -1.25 -10.83
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308 313	12-16-94 03-15-95 06-14-95 08-24-95	12.46 12.51 11.62 8.73
404901073443005	N 9909. 1	404901	734430	112GLCLU	1990	17.9	18 40	12-16-94 03-15-95 06-14-95 08-24-95	9.37 9.50 9.30 8.95
404435073305701	N 9918. 1	404435	733057	211MGTY	1982	112.0	70 75	10-20-94 12-13-94 01-19-95 05-18-95 07-26-95 09-19-95	62.53 62.00 61.85 61.50 60.70 59.92
404320073305601	N 9924. 1	404320	733056	112GLCLU	1985	78.0	37 42	03-15-95	48.23
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59 64	10-18-94 12-14-94 01-27-95 03-13-95 05-15-95 07-25-95 09-15-95	39.08 38.66 38.77 38.77 38.32 37.38 36.16
404446073372401	N 9962. 1	404446	733724	112GLCLU	1982	111.0	60 65	03-14-95	58.74
404404073363101	N 9967. 1	404404	733631	112GLCLU	1982	82.0	48 54	03-14-95	54.80
404421073262301	N 9980. 1	404421	732623	112GLCLU	1986	81.0	50 55	03-14-95	52.66
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91 96	10-18-94 12-14-94 01-26-95 03-13-95 05-15-95 07-25-95 09-15-95	41.98 41.58 41.53 41.20 40.86 40.48 39.90

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

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SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
403959073434301	N 10001. 1	403959	734343	112GLCLU	1990	16.0	--	--	03-13-95	8.09
403810073381201	N 10006. 1	403810	733812	112GLCLU	1990	11.0	21	26	03-23-95	4.10
403926073333001	N 10007. 1	403926	733330		1981	12.0	--	--	03-13-95	7.39
403847073401101	N 10010. 1	403847	734011	112GLCLU	1990	23.0	35	40	03-22-95	7.93
403950073361403	N 10011. 1	403950	733614	112GLCLU	1981	18.5	21	26	03-13-95	12.44
404855073444801	N 10100. 1	404855	734448	112PLSC	1985	28.9	300	310	12-16-94 03-15-95 06-14-95 08-24-95	10.62 10.71 9.27 6.75
404845073440901	N 10101. 1	404845	734409	211LLYD	1985	35.2	270	280	03-15-95 06-14-95	9.76 -1.29
403518073344401	N 10134. 1	403518	733444	112GLCLU	1990	11.0	--	--	03-16-95	3.28
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	343	348	12-16-94 03-15-95 06-14-95 08-24-95	3.10 6.84 4.28 -9.59
405320073370101	N 10199. 1	405320	733630	112GLCLU	1909	70.0	46	56	10-17-94 12-15-94 01-19-95 03-15-95 05-18-95 06-15-95 07-25-95 09-21-95	58.43 58.29 58.77 59.60 58.78 58.04 57.22 56.49
405001073372301	N 10245. 1	405001	733723		1990	96.0	--	--	12-20-94 03-15-95 06-15-95	42.70 44.59 43.50
404900073373301	N 10246. 1	404900	733733		1990	159.0	--	--	12-20-94 03-14-95 06-15-95	56.28 55.92 55.33
404539073400407	N 10291. 1	404539	734004	211MGTY	1991	124.8	--	--	12-14-94 03-13-95 06-13-95	46.44 46.67 45.64
403738073375001	N 10425. 1	403738	733750	211MGTY	1987	6.0	702	707	03-23-95	3.88
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	10-20-94 12-13-94 01-18-95 03-14-95 05-18-95 06-14-95 07-26-95 09-19-95	79.66 79.25 79.16 78.86 78.45 77.95 77.31 76.57
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	10-18-94 12-13-94 01-18-95 03-14-95 05-19-95 06-15-95 07-27-95 09-20-95	65.18 64.71 64.59 64.24 63.70 63.35 62.85 62.20

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404823073265901	N 10607. 1	404823	732659	211MGTY	1990	260.5	--	--	10-20-94 12-13-94 01-19-95 03-14-95 05-19-95 06-14-95 07-27-95 09-20-95	74.42 74.18 74.16 74.02 74.02 73.36 72.82 71.95
404842073291401	N 10609. 1	404842	732914		1990	239.0	--	--	12-22-94 03-14-95 06-14-95	72.56 72.48 71.71
403511073450901	N 10620. 1	403511	734509	211LLYD	1987	4.0	1,140	1,150	03-20-95	6.91
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	10-20-94 12-21-94 01-31-95 03-22-95 05-16-95 07-26-95 09-13-95	2.16 3.45 4.75 5.96 5.24 1.80 0.90
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	10-20-94 12-21-94 01-31-95 03-22-95 05-16-95 07-26-95 09-13-95	-3.50 -3.60 -2.87 -3.18 -3.67 -4.54 -4.57
404031073382701	N 11166. 1	404031	733827	211MGTY	1993	36.0	620	640	03-13-95	16.09
404202073401801	N 11168. 1	404202	734018	211MGTY	1992	49.5	500	520	03-13-95	27.91
404355073401801	N 11172. 1	404355	734018	211MGTY	1993	77.5	435	455	03-13-95	44.26
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	10-18-94 12-13-94 01-18-95 03-15-95 05-22-95 06-15-95 07-27-95 09-20-95	22.98 24.45 24.36 25.35 23.31 17.47 14.43 11.26
405035073324801	N 11280. 1	405035	733248	211LLYD	1990	187.0	625	645	12-22-94 06-15-95	58.67 57.18
405035073324601	N 11281. 1	405035	733246	112PGQF	1990	187.0	498	518	12-22-94 06-15-95	58.79 57.27
405005073353401	N 11304. 1	405005	733534	211MGTY	1992	143.0	323	343	12-22-94 06-15-95	67.71 66.54
405009073293501	N 11394. 1	405009	732935	211RCNF	1989	212.0	660	680	03-13-95	57.18
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	10-18-94 12-14-94 01-27-95 03-13-95 07-25-95 09-15-95	49.17 49.04 49.42 49.65 47.94 46.24

GROUND-WATER LEVELS: NASSAU COUNTY--Continued

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SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM		DATE	WATER LEVEL (FT, MSL)
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	10-18-94	50.37
									12-14-94	50.10
									01-27-95	50.41
									03-13-95	50.56
									07-25-95	49.17
									09-15-95	47.73
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	10-20-94	39.90
									12-13-94	40.86
									01-18-95	40.82
									03-14-95	41.00
									05-18-95	41.09
									06-14-95	39.98
									07-26-95	39.05
									09-19-95	37.21
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	10-20-94	74.55
									12-13-94	74.62
									01-18-95	74.43
									03-14-95	74.40
									05-18-95	73.95
									06-14-95	73.33
									07-26-95	72.60
									09-19-95	71.63
404636073270902	N 11455. 1	404636	732709	211LLYD	1990	194.5	961	981	03-14-95	32.05
404636073271001	N 11456. 1	404636	732710	211MGTY	1990	194.5	815	835	03-14-95	69.25
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	10-20-94	24.23
									12-13-94	25.09
									01-18-95	25.50
									03-13-95	26.74
									05-18-95	26.20
									07-26-95	23.95
404625073330701	N 11458. 1	404625	733307	211MGTY	1994	153.5	600	620	09-19-95	20.88
									10-20-94	76.14
									12-13-94	75.91
									01-18-95	75.75
									03-13-95	75.37
									05-22-95	74.70
404326073341801	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	07-27-95	74.50
									09-19-95	73.59
									10-18-94	14.10
									12-14-94	15.71
									01-27-95	15.99
									03-13-95	17.18
403732073443402	N 11573. 1	403731	734441	211LLYD	1991	8.0	775	795	05-15-95	17.04
									07-25-95	14.67
									09-15-95	11.86
									03-20-95	7.19
404324073414401	N 11577. 1	404324	734144	211LLYD	1991	45.5	700	720	03-13-95	17.31
404012073314102	N 11579. 1	404012	733141	211MGTY	1992	15.5	670	690	03-15-95	14.06
404323073414401	N 11580. 1	404323	734144	211MGTY	1991	44.5	430	450	03-13-95	8.18
403732073443403	N 11634. 1	403733	734443	211MGTY	1991	8.5	535	555	03-20-95	-2.83

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	399	419	10-18-94	46.72
									12-14-94	44.67
									01-26-95	46.91
									03-13-95	44.68
									05-15-95	44.25
									06-13-95	44.12
									07-25-95	43.29
									09-15-95	41.96
404233073325801	N 11720. 1	404233	733258	211MGTY	1993	63.0	229	249	03-13-95	40.78
404233073325901	N 11721. 1	404233	733259	211MGTY	1993	63.0	600	624	03-13-95	40.57
405004073353401	N 11798. 1	405004	733534	211LLYD	1992	143.0	620	640	12-22-94	30.35
									06-15-95	27.20
405030073282101	N 12075. 1	405030	732821	211LLYD	1993	198.0	830	850	12-22-94	36.06
									03-14-95	36.15
									06-14-95	34.98
405146073420701	N 12151. 1	405146	734207	112PGQF	1993	73.0	333	348	12-15-94	5.71
									03-16-95	6.31
									06-13-95	-0.07
									08-23-95	-5.30
404633073401801	N 12163. 1	404633	734018	211MGTY	1993	--	--	--	12-14-94	42.08
									06-13-95	40.34
									08-23-95	37.20
404303073295501	N 12250. 1	404303	732955	112GLCLU	1994	--	--	--	10-17-94	42.79
									12-09-94	42.35
									12-28-94	42.55
									01-17-95	42.58
									02-27-95	42.61
									03-13-95	42.72
									04-18-95	42.65
									05-15-95	42.20
									06-15-95	41.80
									07-24-95	41.16
									08-30-95	40.16
									09-28-95	40.06

GROUND-WATER LEVELS: QUEENS COUNTY

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SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404550073500802	Q 34. 2	404553	735008	211LLYD	1946	36.0	--	--	03-16-95	8.36
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	01-04-95 09-28-95	13.32 12.66
404113073501102	Q 1254. 1	404113	735011	112GLCLU	1940	56.0	63	65	03-16-95	11.53
404116073505901	Q 1255. 1	404116	735059	112GLCLU	1911	40.0	--	--	03-16-95	33.07
404547073524401	Q 1326. 1	404547	735244	112GLCLU	1950	27.0	--	--	03-16-95	16.54
404515073500401	Q 2416. 1	404504	735018	211LLYD	1982	8.0	228	273	03-16-95	10.55
404504073501801	Q 2418. 1	404504	735018	112GLCLU	1967	6.4	48	60	01-04-95 03-16-95 03-18-95	1.52 1.21 1.23
404503073501901	Q 2419. 1	404503	735019	211LLYD	1972	7.0	221	271	01-04-95 03-16-95	10.19 10.20
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	01-04-95 03-17-95 06-22-95 09-28-95	14.03 14.03 13.70 13.46
403940073443601	Q 2994. 1	403940	734436	112GLCLU	1968	10.0	10	66	03-17-95	4.97
403940073443501	Q 2995. 1	403940	734435	112GLCLU	1968	10.0	10	83	03-17-95 09-28-95	5.09 4.41
403845073475701	Q 3110. 1	403845	734757	112JMC0	1981	10.0	306	326	01-05-95 03-17-95 09-28-95	4.57 5.22 4.95
403939073472801	Q 3112. 1	403939	734728	112JMC0	1981	11.3	290	300	03-17-95 09-28-95	5.28 4.19
403845073475702	Q 3115. 1	403845	734757	112GLCLU	1981	10.0	25	28	01-05-95 03-17-95 09-28-95	3.19 3.36 3.44
403939073472802	Q 3117. 1	403939	734728	112GLCLU	1981	11.0	11	23	03-17-95 09-28-95	4.71 5.00
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	01-04-95 03-17-95 06-22-95 09-28-95	19.05 19.33 19.07 18.69
404226073303201	Q 3163. 1	404226	734533	112GLCLU	1984	50.0	61	66	01-04-95 03-16-95 06-21-95 09-28-95	14.69 16.02 16.29 16.11
404138073535102	Q 3587. 1	404138	735351		1995	--	--	--	03-16-95	10.64
404026073472102	Q 3589. 1	404026	734721		1995	--	--	--	03-16-95	3.10
404733073482901	Q 3593. 1	404733	734829		1995	--	--	--	03-17-95	2.94

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404437073535401	Q 3648. 1	404437	735354		1993	76.0	--	--	10-26-94	42.50
									01-24-95	42.19
									03-17-95	41.97
									05-24-95	41.69
									07-20-95	41.45
									09-28-95	41.33
404138073535101	Q 3649. 1	404138	735351		1993	--	--	--	10-26-94	10.09
									12-21-94	10.14
									01-26-95	10.22
									03-16-95	10.16
									05-24-95	9.91
									07-20-95	9.29
09-28-95	9.03									
404402073520901	Q 3650. 1	404402	735209		1993	--	--	--	12-21-94	6.87
									01-24-95	6.91
									03-17-95	6.83
									05-24-95	6.91
									07-20-95	7.05
									09-28-95	6.88
404251073512801	Q 3651. 1	404251	735128		1993	--	--	--	10-26-94	14.40
									12-21-94	14.17
									01-26-95	14.01
									03-16-95	14.10
									05-24-95	13.91
									07-20-95	13.69
09-28-95	13.44									
404350073494501	Q 3652. 1	404350	734945		1993	--	--	--	10-26-94	11.21
									12-21-94	11.09
									01-24-95	11.11
									03-17-95	11.17
									05-24-95	11.02
									07-20-95	10.79
09-28-95	10.54									
404027073464501	Q 3658. 1	404027	734645		1993	--	--	--	10-26-94	5.07
									12-21-94	5.15
									01-16-95	5.45
									01-26-95	5.60
									05-24-95	4.90
									07-20-95	5.26
09-28-95	4.70									
404313073475201	Q 3659. 1	404313	734752		1993	--	--	--	10-26-94	16.88
									12-21-94	16.57
									01-24-95	16.54
									03-17-95	16.63
									05-24-95	16.50
									07-20-95	16.52
09-28-95	16.52									
404450073470301	Q 3660. 1	404450	734703		1993	--	--	--	10-26-94	18.94
									12-12-94	18.73
									12-21-94	18.73
									01-24-95	18.74
									03-17-95	18.74
									05-24-95	18.64
07-20-95	18.42									
09-28-95	18.23									

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM	DATE	WATER LEVEL (FT, MSL)
404357073462001	Q 3661. 1	404357	734620		1993	--	-- --	10-26-94	17.21
								12-21-94	16.92
								01-24-95	17.02
								03-17-95	17.16
								05-24-95	17.21
								07-20-95	17.10
								09-28-95	16.91
404500073430001	Q 3662. 1	404500	734300		1993	--	-- --	10-26-94	37.06
								12-21-94	36.82
								01-26-95	36.77
								03-16-95	36.59

GROUND-WATER LEVELS: SUFFOLK COUNTY

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
404319073184701	S 1807. 6	404319	731847	112GLCLU	1992	--	--	--	10-17-94	20.51
									12-09-94	20.76
									12-28-94	20.90
									01-17-95	20.92
									02-27-95	20.91
									03-13-95	21.15
									04-18-95	20.92
									05-15-95	20.83
									06-15-95	20.78
									07-24-95	20.68
									08-30-95	20.15
									09-28-95	20.43
404221073164905	S 1808. 5	404221	731649	112GLCLU	1989	--	--	--	10-17-94	9.19
									12-09-94	9.74
									12-28-94	9.91
									16-02-94	9.94
									01-17-95	9.89
									02-27-95	9.81
									03-13-95	10.00
									04-18-95	9.80
									05-15-95	9.63
									06-15-95	9.60
									07-24-95	9.46
									08-30-95	8.81
									09-28-95	9.40
404659073141801	S 1815. 3	404659	731418	112GLCLU	1984	72.5	50	54	03-16-95	44.97
405109072513001	S 2485. 1	405109	725130	112GLCLU	1948	69.0	65	75	03-13-95	34.43
									08-21-95	33.03
404509073152301	S 3516. 1	404509	731523	112GLCLU	1942	60.0	--	--	03-16-95	35.65
404918072560301	S 3530. 1	404918	725603	112GLCLU	1907	65.6	--	--	03-16-95	31.46
									08-23-95	30.51
405121072415601	S 3539. 1	405121	724156	112GLCLU	1942	79.0	--	--	03-22-95	22.71
405010072580901	S 3871. 1	405010	725809	112GLCLU	1958	128.2	--	--	03-16-95	46.11
									08-28-95	44.69
405220072493101	S 6441. 2	405220	724931		1991	--	--	--	03-14-95	36.30
									08-22-95	33.72
									09-28-95	33.37
405507072244402	S 8831. 2	405511	722445	112GLCLU	1976	20.0	--	--	03-23-95	6.91
405307072323503	S 8835. 2	405307	723235	112GLCLU	1981	30.5	--	--	03-22-95	8.06
404915072531801	S 9129. 1	404914	725317	112GLCLU	1982	34.0	--	--	03-16-95	13.85
									08-23-95	13.46
404831072530501	S 9130. 1	404829	725305	112GLCLU	1952	26.0	25	28	03-16-95	10.02
									08-23-95	9.55
404446073191801	S 9646. 1	404446	731918	112GLCLU	1958	51.0	--	--	03-22-95	39.35
404049073241201	S 10075. 1	404049	732412	112GLCLU	1958	25.0	33	43	03-24-95	12.75
404128073220201	S 10142. 1	404128	732202		1958	16.8	--	--	03-24-95	11.83
404225073234201	S 10314. 1	404225	732342	112GLCLU	1958	48.0	--	--	03-24-95	29.56

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
404115073225901	S 10342. 1	404115	732259	112GLCLU	1958	25.0	--	--	03-24-95	15.75
404347073195501	S 10370. 1	404347	731955		1958	38.0	--	--	03-22-95	26.18
410059072292701	S 10390. 1	410059	722927	112GLCLU	1988	25.9	--	--	03-20-95	19.32
404433073212701	S 11204. 1	404433	732127		1958	53.0	--	--	03-22-95	41.33
404540073211001	S 11240. 1	404540	732110	112GLCLU	1958	61.0	--	--	03-22-95 03-28-95	52.17 52.26
404527073220901	S 12035. 1	404527	732209	112GLCLU	1958	70.0	--	--	03-22-95 03-28-95	52.52 52.54
404423073222601	S 12069. 1	404423	732226		1958	65.0	--	--	03-22-95	42.49
404527073191501	S 14119. 1	404527	731915	112GLCLU	1958	70.0	--	--	03-22-95	51.95
404425073200701	S 14471. 1	404425	732007	112GLCLU	1958	44.0	--	--	03-22-95	36.47
410034072094701	S 15048. 1	410035	720948	112GLCLU	1974	20.0	31	46	03-16-95	5.56
410008072015901	S 16118. 1	410008	720159	112GLCLU	1974	4.8	31	46	03-16-95	2.25
404200073252701	S 16480. 1	404200	732527	112GLCLU	1958	39.0	35	45	03-24-95	28.27
405336073073001	S 16612. 1	405336	730730		1968	146.0	--	--	03-16-95	39.53
405843072352902	S 16756. 2	405843	723529	112GLCLU	1975	61.0	59	62	03-20-95	6.58
410356072260301	S 16780. 1	410356	722603	112GLCLU	1958	43.0	47	50	03-20-95	3.16
405355073174801	S 16883. 1	405355	731748	112GLCLU	1958	56.8	--	--	03-14-95	27.50
405446073180701	S 16884. 1	405446	731807	112GLCLU	1958	34.0	40	43	03-14-95	18.66
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	10-25-94 12-16-94 01-25-95 03-17-95 05-16-95 09-21-95	39.89 39.87 40.15 40.17 39.49 37.22
404828073114002	S 22580. 1	404828	731140	211MGTY	1964	123.0	792	802	03-16-95	38.02
404828073114003	S 22581. 1	404828	731140	211MGTY	1964	123.2	440	450	03-16-95	38.60
404828073114004	S 22582. 1	404828	731140	112GLCLU	1964	123.7	105	115	03-16-95	39.67
404902073094004	S 23133. 1	404902	730940	112GLCLU	1964	60.3	26	29	10-25-94 12-16-94 01-25-95 03-17-95 05-16-95	40.01 39.90 40.20 40.23 39.59
404818073135904	S 24773. 1	404813	731356	211MGTY	1966	118.4	412	422	03-16-95	44.21
405716072505701	S 26780. 1	405716	725057	112GLCLU	1970	21.7	--	--	03-14-95 08-21-95	18.82 18.37
404703073264202	S 29777. 1	404710	732640	211MGTY	1967	193.0	387	397	03-13-95	73.22
404703073264205	S 29778. 1	404710	732640	211MGTY	1967	193.0	158	168	03-13-95	73.94
405124072353701	S 30230. 1	405124	723537	211MGTY	1970	45.0	805	825	03-22-95	11.25

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
405000072464301	S 31462. 1	405000	724643	112GLCLU	1983	67.9	67	73	03-31-95 08-21-95	22.41 21.65
405505072432201	S 36013. 1	405505	724322	112GLCLU	1970	47.0	--	--	03-20-95 08-28-95	20.87 19.77
404656073081401	S 36143. 1	404656	730814	112GLCLU	1969	72.0	59	62	03-16-95	30.82
404707073023401	S 36145. 1	404707	730234	112GLCLU	1969	44.6	30	43	03-31-95 08-21-95	30.05 28.61
405259072465601	S 36147. 1	405259	724656	112GLCLU	1970	47.8	--	--	03-15-95 08-22-95	34.99 32.83
405117072490301	S 36150. 1	405117	724903	112GLCLU	1951	50.0	--	--	03-15-95 08-22-95	32.02 30.23
405010072443501	S 36152. 2	405014	724438		1975	65.0	62	66	03-15-95 08-22-95	19.21 18.22
405715072413201	S 36153. 1	405715	724132	112GLCLU	1969	75.2	--	--	03-20-95	13.72
410400072195301	S 38461. 1	410400	721953	112GLCLU	1970	12.0	--	--	03-17-95	4.50
405924072321501	S 39269. 1	405924	723215	112GLCLU	1983	13.6	--	--	03-21-95	2.96
405206073153002	S 40842. 2	405206	731530		1975	91.6	60	63	03-14-95	45.29
405510073063401	S 40849. 1	405510	730634	112GLCLU	1971	80.5	--	--	03-16-95	40.11
405555073060101	S 40850. 1	405555	730601		1971	60.7	--	--	03-16-95	25.84
405744072571902	S 40851. 2	405744	725719	112GLCLU	1976	32.0	47	50	03-31-95 08-21-95	15.52 14.92
405646072564301	S 40852. 1	405656	725643	112GLCLU	1971	114.6	95	97	03-14-95 08-21-95	30.38 29.24
405610072562501	S 40853. 2	405610	725625	112GLCLU	1985	100.2	74	78	03-14-95 08-21-95	37.22 36.03
405223073021301	S 41050. 1	405222	730213	112GLCLU	1972	89.4	67	69	03-16-95	66.38
405357073194802	S 42681. 2	405354	731948	112GLCLU	1983	83.5	75	80	03-14-95	29.86
405016073200101	S 42682. 1	405016	732001	112GLCLU	1972	159.2	--	--	03-13-95	71.79
405335073073201	S 42683. 1	405335	730732	112GLCLU	1972	145.7	--	--	03-16-95	56.61
404124073241601	S 43809. 1	404124	732416	112GLCLU	1974	34.0	24	34	03-24-95	19.28
404124073241602	S 43810. 1	404124	732416	112GLCLU	1974	33.8	61	71	03-24-95	19.37
404503073010801	S 44466. 1	404503	730108	112GLCLU	1974	4.3	15	20	03-16-95 08-23-95	1.02 1.41
405132073181401	S 45207. 1	405132	731814	112GLCLU	1974	165.0	134	144	03-14-95	61.69
405005073233701	S 45208. 1	405005	732337	112GLCLU	1974	185.3	123	133	03-13-95	76.19
404945073174501	S 45210. 1	404945	731745	112GLCLU	1974	130.2	97	107	03-14-95	62.84
404508073080902	S 45636. 1	404508	730809	112GLCLU	1974	14.1	17	27	03-16-95	8.83
405231073250500	S 46281. 1	405231	732505	112GLCLU	1974	34.0	38	50	03-13-95	19.84

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STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
404823073211800	S 46283. 1	404823	732118	112GLCLU	1974	275.0	225	235	03-17-95	69.59
405913072064600	S 46518. 1	405914	720645	112GLCLU	1972	27.5	--	--	03-16-95	4.89
410123072130304	S 46521. 2	410123	721303	112GLCLU	1981	65.0	82	85	03-16-95	4.64
405915072121501	S 46522. 1	405915	721215	112GLCLU	1972	91.2	--	--	03-16-95	9.19
405828072115101	S 46523. 1	405828	721150	112GLCLU	1972	64.5	94	97	03-16-95	9.18
405906072153501	S 46524. 1	405907	721534	112GLCLU	1972	15.7	--	--	03-23-95	9.29
405741072144800	S 46525. 1	405741	721448	112GLCLU	1972	41.5	--	--	03-23-95	10.48
405843072180801	S 46526. 1	405843	721808	112GLCLU	1972	56.5	--	--	10-19-94 01-23-95 03-23-95	17.89 17.23 17.15
405746072175901	S 46527. 1	405747	721800	112GLCLU	1972	75.0	--	--	10-19-94 01-23-95 03-23-95	22.81 20.78 20.39
405842072211401	S 46528. 1	405843	722115	112GLCLU	1972	125.5	99	102	03-23-95	37.55
405602072221802	S 46529. 2	405602	722248	112GLCLU	1983	70.0	77	81	03-23-95	14.79
405418072233800	S 46530. 1	405418	722338	112GLCLU	1972	36.8	38	42	03-21-95	8.04
405332072262201	S 46531. 1	405332	722622	112GLCLU	1972	36.4	--	--	03-21-95	4.13
405147072305001	S 46532. 1	405147	723050	112GLCLU	1972	24.0	--	--	03-22-95	3.31
405302072313501	S 46533. 1	405302	723135	112GLCLU	1972	84.7	--	--	03-22-95	5.81
405230072341901	S 46534. 1	405230	723419	112GLCLU	1973	82.0	81	84	03-22-95	10.54
405144072333701	S 46535. 1	405144	723337	112GLCLU	1972	44.5	--	49	03-22-95	6.92
405324072352101	S 46536. 1	405324	723521	112GLCLU	1976	24.7	--	--	03-22-95	11.28
405130072353101	S 46537. 1	405130	723531	112GLCLU	1972	56.2	--	--	03-22-95	11.37
405348072370401	S 46538. 1	405340	723709	112GLCLU	1972	61.3	--	--	03-22-95	24.53
405222072370701	S 46539. 1	405222	723707	112GLCLU	1972	100.0	--	--	03-22-95	15.09
405020072355801	S 46540. 1	405020	723558	112GLCLU	1972	37.8	--	--	03-22-95	8.22
405353072403801	S 46541. 1	405342	724057	112GLCLU	1972	27.3	--	--	03-22-95	17.08
405301072415101	S 46542. 1	405301	724151	112GLCLU	1972	163.0	--	--	03-22-95 08-28-95	24.50 23.45
405131072455701	S 46546. 1	405131	724557	112GLCLU	1972	127.0	--	--	03-15-95 08-22-95	28.01 26.85
405620073022001	S 46549. 1	405624	730221	112GLCLU	1972	97.0	97	101	03-16-95	24.03
405230073164400	S 46965. 1	405230	731644	112GLCLU	1974	166.0	138	148	03-14-95	44.14
404759073251600	S 47220. 1	404759	732516	112GLCLU	1974	172.3	79	89	03-13-95	107.47
405417072402300	S 47230. 1	405417	724023	112GLCLU	1974	22.0	20	32	03-23-95	12.98
405536072375303	S 47231. 2	405536	723753	112GLCLU	1995	21.0	39	41	03-20-95	2.01

SECONDARY WELLS

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							TOP	BOTTOM		
410037072145101	S 47235. 1	410037	721451	112GLCLU	1974	5.0	9	19	03-28-95	1.94
405111073065801	S 47675. 1	405111	730658	112GLCLU	1974	119.5	78	88	03-16-95	55.13
405004072515400	S 47750. 1	405004	725154	112GLCLU	1974	95.0	83	93	03-15-95 08-22-95	26.84 26.37
404607072594701	S 47752. 1	404607	725947	112GLCLU	1974	24.0	88	98	03-16-95 08-23-95	7.49 7.17
405412072441401	S 47753. 1	405405	724427	112GLCLU	1974	45.0	90	100	03-15-95 08-23-95	24.52 23.51
405412072441402	S 47754. 1	405405	724427	112GLCLU	1974	45.0	29	39	03-15-95 08-23-95	24.51 23.51
405844072191601	S 48438. 1	405844	721916	112GLCLU	1974	113.6	69	79	10-19-94 01-23-95 03-23-95	64.50 63.36 63.46
404941072414801	S 48442. 1	404941	724148	112GLCLU	1974	44.0	42	52	03-22-95	12.13
405838072154001	S 48517. 1	405838	721540	112GLCLU	1974	61.5	57	67	03-16-95 03-23-95	11.24 11.15
404423073084101	S 49396. 1	404423	730841	112GLCLU	1973	6.3	8	13	03-16-95	2.01
405120073085101	S 50500. 1	405120	730851	112GLCLU	1974	118.0	81	85	03-17-95	68.34
405059073085601	S 50501. 1	405059	730856	112GLCLU	1974	73.6	60	64	03-16-95	69.96
405010073103101	S 50505. 1	405010	731031	112GLCLU	1973	50.0	6	10	03-17-95	46.49
405146073141001	S 50512. 1	405146	731410	112GLCLU	1973	84.5	--	--	03-14-95	37.36
405100073152601	S 50513. 1	405100	731526	112GLCLU	1974	93.0	57	61	03-14-95	45.81
410430072202301	S 51176. 1	410430	722023	112GLCLU	1974	39.6	47	57	03-17-95	2.67
410147072184101	S 51184. 1	410147	721841	112GLCLU	1974	11.8	20	30	03-22-95	1.74
410047072184701	S 51186. 1	410047	721847	112GLCLU	1974	24.1	30	40	03-22-95	1.97
405808072385401	S 51568. 1	405808	723854	112GLCLU	1974	56.0	58	68	03-21-95	8.63
405805072403701	S 51571. 1	405805	724037	112GLCLU	1974	88.0	95	105	03-21-95	7.92
405544072411802	S 51575. 2	405544	724118	112GLCLU	1994	33.0	--	--	03-07-95	15.98
405630072442001	S 51577. 1	405630	724420	112GLCLU	1974	80.0	83	93	03-20-95 08-28-95	18.06 16.83
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	10-27-94 12-21-94 01-19-95 03-14-95 05-19-95 07-24-95 08-21-95 09-28-95	29.94 28.17 27.88 27.50 27.33 26.79 26.43 26.02
405722072342001	S 51581. 1	405722	723420	112GLCLU	1974	32.0	32	42	03-20-95	6.76
405853072353901	S 51582. 1	405853	723539	112GLCLU	1974	62.0	72	82	03-20-95	6.22

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405634072380501	S 51588. 1	405634	723805	112GLCLU	1974	38.0	47	57	03-20-95 03-20-95 03-20-95	8.09 8.07 8.07
410516072200901	S 52084. 1	410516	722009	112GLCLU	1974	28.4	62	72	03-17-95	1.91
404357072515701	S 52162. 1	404357	725157	211LLYD	1976	18.0	1,670	1,690	10-21-94 12-22-94 01-19-95 03-17-95 05-18-95 07-31-95 09-26-95	23.52 22.85 23.41 23.14 23.13 22.07 22.40
404357072515702	S 52163. 1	404357	725157	211MGTY	1974	17.0	1,279	1,300	10-21-94 12-22-94 01-19-95 03-17-95 05-18-95 07-31-95 09-26-95	15.90 15.30 16.09 15.97 15.79 14.33 14.80
404357072515703	S 52164. 1	404357	725157	211MGTY	1974	17.0	709	730	10-21-94 12-22-94 01-19-95 03-17-95 05-18-95 07-31-95 09-26-95	14.79 14.19 15.02 14.86 14.69 13.20 13.72
405512072395202	S 52449. 1	405512	723952	112GLCLU	1974	23.0	28	38	03-22-95	6.93
404944072380901	S 52551. 1	404944	723809	112GLCLU	1974	27.8	20	25	03-22-95	8.83
404948072372601	S 52554. 1	404948	723726	112GLCLU	1974	18.4	--	--	03-22-95	5.93
410753072205501	S 53331. 1	410747	722053	112GLCLU	1975	47.0	58	68	03-20-95	1.99
405924072342301	S 53333. 1	405924	723423	112GLCLU	1975	51.0	62	72	03-21-95	5.14
405123072533701	S 54883. 1	405049	725310	112GLCLU	1975	79.9	--	--	03-14-95 08-22-95	32.50 31.88
405706072345601	S 54885. 1	405706	723456	112GLCLU	1975	11.1	16	20	03-20-95	7.64
405120073231801	S 55049. 1	405120	732318	112GLCLU	1975	207.0	175	179	03-14-95	57.20
405502072254701	S 57367. 1	405502	722616	112GLCLU	1975	32.5	75	79	03-23-95	5.50
405824072220601	S 57368. 1	405825	722205	112GLCLU	1976	74.0	87	91	03-23-95	27.41
405900072192901	S 57369. 1	405855	721926	112GLCLU	1975	76.0	93	97	10-19-94 01-23-95 03-23-95	12.99 12.84 12.69
405852072192401	S 57370. 1	405854	721927	112GLCLU	1976	88.0	96	100	10-19-94 01-23-95 03-23-95	18.95 18.01 17.57
404722073093401	S 57458. 1	404722	730934		1976	47.4	--	--	03-16-95	31.11
404722073093402	S 57459. 1	404722	730934		1976	47.2	--	--	03-16-95	31.09
404651073095701	S 57470. 1	404651	730957		1976	28.0	--	--	03-16-95	24.30

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP BOTTOM		DATE	WATER LEVEL (FT, MSL)
404651073095702	S 57471. 1	404651	730957		1976	28.0	--	--	03-16-95	24.31
404616073093401	S 57480. 1	404616	730934		1976	18.7	--	--	03-16-95	16.70
404616073093402	S 57481. 1	404616	730934		1976	18.6	--	--	03-16-95	16.68
405123073125101	S 57484. 1	405123	731251	112GLCLU	1975	15.5	15	19	03-14-95	11.16
405458073005301	S 57486. 1	405458	730053	112GLCLU	1975	130.5	--	--	03-16-95	51.55
405246072573601	S 57487. 1	405246	725736	112GLCLU	1975	83.5	--	--	03-13-95 08-21-95	65.27 63.29
405048073122801	S 57488. 1	405048	731228	112GLCLU	1975	30.0	--	--	03-14-95	27.85
410356071544201	S 58922. 1	410355	715444	112GLCLU	1976	47.8	51	56	03-16-95	1.81
410404071565901	S 58923. 1	410401	715701	112GLCLU	1976	57.3	65	70	03-16-95	8.31
410401071570202	S 58923. 2	410401	715701	112GLCLU	1976	57.6	87	92	03-16-95	3.26
405933072093401	S 58924. 1	405934	720932	112GLCLU	1976	110.3	132	137	03-16-95	7.58
405950072124501	S 58925. 1	405952	721245	112GLCLU	1976	72.0	85	90	03-16-95	8.82
405607072225801	S 58957. 1	405606	722308	112GLCLU	1976	188.8	196	201	03-23-95	11.74
405737072215801	S 58958. 1	405738	722159	112GLCLU	1976	190.0	203	208	03-23-95	26.40
405816072162801	S 58959. 1	405808	722035	112GLCLU	1976	187.5	195	200	03-23-95	16.06
405827072190501	S 58960. 1	405827	721905	112GLCLU	1976	134.2	150	155	10-19-94 01-23-95 03-23-95	23.66 22.76 22.18
405842072164901	S 58961. 1	405831	721639	112GLCLU	1976	126.5	125	130	03-23-95	6.73
405615072182301	S 59793. 1	405616	721823	211MGTY	1984	34.0	512	522	10-19-94 01-23-95 03-21-95	11.00 10.85 10.81
405616072182301	S 62393. 1	405616	721823	112GLCLU	1984	34.0	30	34	10-19-94 01-23-95 03-21-95	13.52 13.28 13.48
410111072010101	S 62397. 1	410111	720101	112GLCLU	1980	57.2	61	65	03-16-95	3.26
405700073080301	S 62406. 1	405700	730803	112GLCLU	1977	42.0	41	45	03-16-95	3.04
405604073080001	S 62407. 1	405604	730800	112GLCLU	1977	40.0	41	45	03-16-95	12.86
405144073081001	S 63606. 1	405144	730810	112GLCLU	1978	97.7	--	--	03-17-95	67.66
404426073181201	S 63747. 1	404426	731812		1990	50.0	--	--	03-22-95	35.67
404303073112801	S 63832. 1	404303	731128		1978	7.3	--	--	03-16-95	4.79
404345073124001	S 63835. 1	404345	731240		1978	13.5	--	--	03-16-95	7.86
404331073141701	S 63841. 1	404331	731417		1978	12.1	--	--	03-16-95	5.37
404210073182501	S 64192. 1	404210	731825		1978	17.6	--	--	03-24-95	9.13
404116073204301	S 64210. 1	404116	732043		1978	10.0	--	--	03-24-95	5.32

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN TOP	INTERVAL (FT BELOW LAND SURFACE) BOTTOM	DATE	WATER LEVEL (FT, MSL)
404659073202001	S 64313. 1	404659	732020	112GLCLU	1979	89.4	25	30	03-22-95 03-28-95	71.25 70.85
404746073221901	S 64318. 1	404746	732219	112GLCLU	1979	160.1	58	63	03-13-95	108.07
404900073242801	S 64317. 1	404900	732428	112GLCLU	1978	149.6	78	83	03-13-95	73.33
404436073135601	S 64525. 1	404436	731356		1978	26.0	--	--	03-24-95	20.70
404217073215601	S 64853. 1	404217	732156		1990	33.2	--	--	03-24-95	21.76
404713072575701	S 65603. 1	404718	725749	112GLCLU	1978	54.0	65	70	03-16-95 08-23-95	24.30 23.28
410104072303001	S 65605. 1	410104	723030		1978	41.0	41	44	03-21-95	4.90
405003073155201	S 65607. 1	405003	731552	112GLCLU	1978	138.0	97	102	03-14-95	49.96
405200073082101	S 65608. 1	405200	730821		1978	105.0	67	72	03-17-95	63.88
404944073104001	S 65609. 1	404944	731040		1978	52.7	10	15	03-17-95	46.29
405351072535101	S 65855. 1	405351	725351	112GLCLU	1978	77.6	28	32	03-13-95	46.82
405454072580401	S 65859. 1	405453	725801	112GLCLU	1978	92.2	57	61	03-14-95	47.97
405548072593501	S 65861. 1	405549	725936	112GLCLU	1978	143.9	106	110	03-14-95 08-21-95	43.54 41.14
405245072573702	S 66508. 1	405245	725737	112GLCLU	1979	83.0	55	60	03-13-95 08-21-95	50.22 48.96
405345072591101	S 66507. 1	405345	725911	112GLCLU	1979	100.0	68	72	08-25-95	50.55
405014072564001	S 66508. 1	405013	725640	112GLCLU	1979	66.0	55	60	03-13-95 08-21-95	37.50 36.59
405441073043501	S 66510. 1	405350	730316	112GLCLU	1979	137.8	--	--	03-16-95	51.71
405644073051201	S 66511. 1	405644	730512	112GLCLU	1979	105.0	--	--	03-16-95	12.22
405504073011201	S 66512. 1	405504	730112	112GLCLU	1979	120.6	99	104	03-16-95	49.91
404949073215101	S 66847. 1	404949	732151	112GLCLU	1978	170.8	97	102	03-13-95	76.33
404922073071201	S 66848. 1	404922	730744	112GLCLU	1979	98.0	67	72	03-16-95	44.54
405255073044301	S 67564. 1	405255	730443	112GLCLU	1980	103.0	80	85	03-16-95	56.44
405504073282501	S 69780. 1	405504	732825	112GLCLU	1981	110.9	139	150	03-13-95	5.04
410137071590201	S 70255. 1	410137	715902	112GLCLU	1980	169.6	315	320	03-16-95	4.03
410108071590003	S 70257. 1	410108	715900	112GLCLU	1981	50.1	104	109	03-16-95	2.83
410233071553801	S 70259. 1	410233	715538	112GLCLU	1981	38.7	92	97	03-16-95	2.12
410213071572201	S 70260. 1	410213	715722	112GLCLU	1981	27.8	94	99	03-16-95	3.19
410213071572202	S 70263. 1	410213	715722	112GLCLU	1981	27.8	40	45	03-16-95	3.26
410159072001601	S 70613. 1	410159	720016	112GLCLU	1981	65.8	70	75	03-16-95	0.77
410219071591101	S 70614. 1	410219	715911	112GLCLU	1981	86.0	90	95	03-16-95	3.12

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
410108071590002	S 70615. 1	410108	715900	112GLCLU	1981	51.2	50	55	03-16-95	2.64
410320071570601	S 70617. 1	410320	715706	112GLCLU	1982	72.7	93	97	03-16-95	5.55
410330071563901	S 70618. 1	410330	715639	112GLCLU	1981	85.6	100	105	03-16-95	3.01
410414071515901	S 70627. 1	410414	715159	112GLCLU	1981	90.1	90	95	03-16-95	14.69
405728072342402	S 71570. 1	405728	723424	112GLCLU	1988	29.3	50	52	03-20-95	6.75
405811072350402	S 71572. 1	405811	723504	112GLCLU	1982	46.8	52	56	03-20-95	7.45
405811072350401	S 71573. 1	405811	723504	112GLCLU	1982	46.8	70	75	03-20-95	7.53
410322071523901	S 72283. 1	410322	715239	112GLCLU	1982	58.6	84	89	03-16-95	4.90
410118072001501	S 72415. 1	410118	720015	112GLCLU	1982	94.0	99	103	03-16-95	3.80
410211071560001	S 72416. 1	410211	715600	112GLCLU	1982	44.2	93	97	03-16-95	1.54
410235071564301	S 72417. 1	410235	715643	112GLCLU	1982	59.6	71	75	03-16-95	3.12
410319071555901	S 72418. 1	410319	715559	112GLCLU	1982	11.6	51	55	03-16-95	2.26
404801072553801	S 72812. 1	404802	725538	211MGTY	1982	36.0	189	194	03-16-95 08-23-95	24.50 23.12
410420071551901	S 72871. 1	410420	715519	112GLCLU	1982	5.4	33	38	03-16-95	0.87
405616072182302	S 73990. 1	405616	721823	211MGTY	1984	34.0	540	545	10-19-94 01-23-95 03-21-95	9.02 8.89 8.84
404750073225302	S 74284. 2	404750	732253	211MGTY	1984	154.0	699	704	10-26-94 12-13-94 01-23-95 03-13-95 05-16-95 07-20-95 09-21-95	67.38 66.95 66.49 66.34 65.69 64.49 63.17
404750073225303	S 74285. 1	404750	732253	211MGTY	1984	154.3	440	445	10-26-94 12-13-94 01-23-95 05-16-95 07-20-95 09-21-95	68.11 67.75 67.38 66.54 64.96 64.11
404750073225304	S 74286. 1	404750	732253	211MGTY	1984	154.6	107	112	10-26-94 12-13-94 01-23-95 05-16-95 07-20-95 09-21-95	70.30 70.04 69.64 68.82 67.83 66.76
405201072544301	S 74287. 1	405200	725434	112GLCLU	1983	58.7	31	35	03-13-95 08-21-95	43.14 42.03
405418072511201	S 74289. 1	405417	725116	112GLCLU	1983	76.8	40	44	03-13-95 08-21-95	44.29 42.87
405421072474501	S 74291. 1	405421	724745	112GLCLU	1983	44.4	15	19	03-14-95 08-22-95	39.21 38.18
405017072495001	S 74293. 1	405017	724950	112GLCLU	1983	83.6	67	71	03-15-95 08-22-95	27.40 26.27

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
405213072481101	S 74294. 1	405213	724808	112GLCLU	1983	56.5	32	36	03-15-95 08-22-95	35.67 33.43
405347072385501	S 74296. 1	405347	723855	112GLCLU	1983	23.5	20	24	03-23-95	15.32
405338072430501	S 74297. 1	405338	724305	112GLCLU	1983	103.8	96	100	03-22-95	33.14
405348072370501	S 74298. 1	405340	723709	112GLCLU	1983	61.3	74	78	03-22-95	13.15
405340072340601	S 74299. 1	405334	723408	112GLCLU	1983	22.6	20	24	03-22-95	8.95
405115072370501	S 74300. 1	405127	723643	112GLCLU	1983	75.0	68	72	03-22-95	14.28
405434072421401	S 74302. 1	405422	724233	112GLCLU	1983	36.5	40	44	03-22-95 08-28-95	18.96 17.48
405435072421401	S 74303. 1	405431	724110	112GLCLU	1983	19.2	20	24	03-22-95	14.98
405419072381201	S 74304. 1	405417	723810	112GLCLU	1983	25.3	25	29	03-22-95	8.43
405256072392301	S 74308. 1	405255	724019	112GLCLU	1983	98.5	100	104	03-23-95	19.96
404849073261201	S 74585. 1	404849	732612	211MGTY	1984	365.0	452	455	03-17-95	67.78
410427072213601	S 75436. 1	410427	722134	112GLCLU	1983	57.4	60	62	10-18-94 01-19-95 03-17-95	11.23 9.03 9.09
410309072205601	S 75438. 1	410319	722055	112GLCLU	1983	11.0	18	23	10-18-94 01-19-95 03-17-95	1.58 1.40 1.53
410303072194401	S 75439. 1	410304	721942	112GLCLU	1983	14.0	24	29	10-18-94 01-19-95 03-17-95	1.80 1.90 2.14
404852073024202	S 76478. 1	404852	730242	112GLCLU	1984	104.8	70	75	03-18-95 08-23-95	45.17 44.01
404942073175502	S 76673. 2	404942	731755	211MGTY	1984	130.0	625	630	03-14-95	61.10
404942073175503	S 76674. 1	404942	731755	211MGTY	1984	130.0	455	460	03-14-95	61.34
404942073175504	S 76675. 1	404942	731755	211MGTY	1984	130.0	245	250	03-14-95	62.42
405446072524801	S 76834. 1	405446	725248	112GLCLU	1984	87.9	44	48	03-13-95 08-21-95	47.27 46.33
405004072515402	S 78323. 1	405004	725154	211MGTY	1985	95.0	331	336	03-15-95 08-22-95	26.60 25.72
405405072442701	S 89534. 1	405405	724427	211MGTY	1994	44.0	782	792	03-15-95 08-23-95	23.90 22.32
405405072442702	S 89535. 1	405405	724427	211MGTY	1990	44.0	510	520	03-15-95 08-23-95	24.89 23.36
405405072442703	S 89536. 1	405405	724427	211MGTY	1990	44.0	260	270	03-15-95 08-23-95	25.05 23.53
410801072205701	S 95423. 1	410748	722054	112GLCLU	1989	47.9	103	108	03-20-95	2.17
410753072205301	S 95424. 1	410800	722059	112GLCLU	1989	47.9	68	70	03-20-95	1.96

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, MSL)	SCREEN INTERVAL (FT BELOW LAND SURFACE)		DATE	WATER LEVEL (FT, MSL)
							TOP	BOTTOM		
405914072190803	S105710. 1	405914	721908	211MGTY	1995	44.1	437	447	01-23-95 03-22-95	9.92 10.00
405844072191702	S105711. 1	405844	721917	211MGTY	1995	114.5	372	382	01-23-95 03-23-95	11.36 11.29
405914072190801	S106181. 1	405914	721908		1994	43.9	145	155	10-19-94 01-23-95 03-22-95	9.83 9.47 9.49
405914072190802	S106182. 1	405914	721908	112GLCLU	1994	43.8	45	55	10-19-94 01-23-95 03-22-95	15.64 15.19 15.41
405844072191701	S106185. 1	405844	721917	112GLCLU	1994	114.2	115	125	10-19-94 01-23-95 03-23-95	64.41 63.34 63.45
405741072161801	S106189. 1	405741	721618	112GLCLU	1994	70.3	77	87	10-19-94 01-23-95 03-23-95	14.28 13.05 12.75

Aquifer unit code:

- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112PLSC - Pleistocene deposit, undifferentiated.
- 112PGFG - Port Washington confining unit, Pleistocene age.
- 112PGQF - Port Washington aquifer, Pleistocene age.
- 112GRDR - Gardiners Clay, Pleistocene age.
- 112JMCO - Jameco Gravel, Pleistocene age.
- 211MGTY - Magothy aquifer, Cretaceous age.
- 211RCNF - Raritan confining unit, Cretaceous age.
- 211LLYD - Lloyd aquifer, Cretaceous age.

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)
404659073332601		N 1194. 2	112GLCLU	12-22-94	100	198	6.2	15.0
405125073280501		N 2409. 1	112GLCLU	12-21-94	93	50	5.5	9.5
403517073430704		N 6704. 1	211MGTY	11-07-94	298	73	6.0	14.5
405009073314501		N 8430. 1	211MGTY	12-21-94	145	116	6.5	12.0
404012073314102		N 11579. 1	211MGTY	11-03-94	695	43	5.8	13.0

DATE	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
12-22-94	6.9	12	3.9	16	1.3	18	20	24	<0.10	12
12-21-94	6.9	2.5	0.97	4.2	0.50	5.9	2.3	5.9	<0.10	8.6
11-07-94	--	0.98	0.99	6.7	2.7	8.6	7.2	9.5	<0.10	8.8
12-21-94	9.6	9.7	3.1	6.4	0.90	27	13	6.6	<0.10	13
11-03-94	--	0.48	0.38	3.5	0.50	5.7	4.1	3.9	<0.10	7.4

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
12-22-94	<0.001	2.8	<0.015	<0.20	0.019	0.002	1200	69	<0.02
12-21-94	<0.001	1.4	<0.015	<0.20	0.001	0.002	<3	<1	<0.02
11-07-94	0.003	0.050	0.040	<0.20	0.079	0.070	2200	40	<0.02
12-21-94	<0.001	1.3	<0.015	<0.20	0.004	0.005	160	30	<0.02
11-03-94	0.003	<0.050	<0.015	<0.20	0.002	0.003	3200	40	<0.02

Hydrogeologic unit (aquifer):

112GLCLU - Upper glacial aquifer, Pleistocene age.

211MGTY - Magothy aquifer, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1995 water year by the agency listed below.
For further information, contact:

Nassau County Department of Health
New Office Building
240 Old Country Road
Mineola, NY 11501

Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier
N17	N2602	N4448	N5762	N7446	N8216	N8979
N22	N2613	N4450	N5767	N7512	N8217	N9151
N36	N2748	N4623	N5792	N7513	N8218	N9173
N37	N2920	N4756	N5884	N7521	N8250	N9180
N46	N3443	N4757	N5947	N7522	N8251	N9210
N52	N3456	N4758	N6042	N7523	N8253	N9211
N72	N3457	N4759	N6077	N7548	N8264	N9334
N80	N3465	N5007	N6087	N7549	N8279	N9338
N83	N3474	N5121	N6092	N7551	N8313	N9452
N95	N3475	N5129	N6093	N7562	N8321	N9488
N101	N3498	N5152	N6146	N7593	N8339	N9514
N119	N3668	N5153	N6190	N7620	N8342	N9520
N133	N3672	N5155	N6192	N7649	N8354	N9521
N152	N3673	N5156	N6315	N7650	N8355	N9613
N198	N3720	N5187	N6443	N7665	N8409	N9768
N570	N3745	N5193	N6580	N7720	N8414	N9792
N585	N3876	N5194	N6644	N7747	N8426	N9809
N650	N3934	N5195	N6651	N7773	N8457	N9846
N651	N3935	N5227	N6657	N7781	N8474	N9910
N687	N3937	N5260	N6744	N7785	N8475	N9976
N1298	N4077	N5302	N6745	N7797	N8480	N10103
N1346	N4097	N5303	N6817	N7831	N8497	N10149
N1601	N4118	N5304	N6867	N7852	N8526	N10195
N1602	N4132	N5318	N6893	N7855	N8558	N10206
N1603	N4206	N5320	N6915	N7857	N8603	N10207
N1651	N4245	N5321	N6916	N7957	N8658	N10208
N1697	N4327	N5322	N6945	N8007	N8713	N10451
N1716	N4388	N5596	N7058	N8010	N8776	N10555
N1958	N4389	N5653	N7076	N8031	N8778	N10612
N2028	N4393	N5654	N7157	N8043	N8779	N11004
N2030	N4400	N5655	N7353	N8054	N8941	N11107
N2052	N4405	N5656	N7407	N8183	N8956	N11295
N2214	N4411	N5672	N7414	N8195	N8957	N11UNK1
N2400	N4425	N5703	N7421	N8196	N8976	N11UNK2
N2565	N4447	N5710	N7445			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1995 water year by the agency listed below.
For further information, contact:

Nassau County Department of Public Works
Water Supply Unit
170 Cantiague Rock Road
Hicksville, NY 11801

Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier
N1102	N5227	N9077	N9663	N10001	N11397	N11964
N1114	N6581	N9087	N9664	N10004	N11453	N11988
N1115	N6701	N9088	N9665	N10007	N11454	N12004
N1116	N6702	N9100	N9666	N10009	N11457	N12039
N1120	N6703	N9115	N9667	N10011	N11458	N12163
N1132	N6704	N9127	N9669	N10084	N11570	N12164
N1139	N6849	N9168	N9670	N10094	N11572	N12240
N1176	N6850	N9189	N9711	N10200	N11573	N12249
N1194	N6851	N9313	N9712	N10246	N11574	N12251
N1197	N6853	N9317	N9776	N10252	N11577	N12252
N1204	N6928	N9332	N9804	N10291	N11579	N12253
N1205	N7161	N9333	N9805	N10425	N11580	N12256
N1223	N7207	N9355	N9820	N10430	N11633	N12259
N1225	N7397	N9357	N9905	N10604	N11634	N12264
N1279	N7478	N9358	N9914	N10607	N11644	N12274
N1280	N8203	N9359	N9917	N10608	N11671	N12277
N1281	N8269	N9469	N9920	N10609	N11672	N12278
N1429	N8414	N9471	N9921	N10620	N11673	N12361
N1442	N8599	N9473	N9923	N10667	N11676	N12362
N1685	N8645	N9476	N9924	N10733	N11722	N12430
N2790	N8646	N9477	N9928	N10882	N11723	N12450
N3498	N8651	N9607	N9930	N10977	N11724	N12469
N3707	N8652	N9608	N9931	N10979	N11725	N12506
N3708	N8669	N9646	N9933	N10980	N11726	N12507
N3710	N8717	N9647	N9936	N11002	N11731	N12508
N3711	N8718	N9652	N9938	N11109	N11732	N12511
N3861	N8848	N9653	N9939	N11165	N11779	N12500
N3862	N8849	N9654	N9940	N11166	N11782	N12523
N3864	N8857	N9655	N9941	N11169	N11783	N12570
N3865	N8863	N9656	N9948	N11170	N11785	N12571
N3866	N8873	N9657	N9949	N11171	N11795	N12572
N3867	N8875	N9658	N9979	N11279	N11822	N12573
N4026	N8876	N9659	N9980	N11280	N11865	Q 287
N4062	N8888	N9660	N9982	N11281	N11961	Q 1237
N4213	N9030	N9661	N9984	N11396	N11962	Q 3109
N1547	N9057	N9662	N10000			

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SUFFOLK COUNTY

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)
404703073264201		S 29776. 1	211MGTY	08-16-95	720	34	6.4	12.5
404703073264202		S 29777. 1	211MGTY	08-16-95	397	53	6.5	12.0
404812073041201		S 44918. 1	112GLCLU	12-06-94	85	175	5.8	12.5
404759073251600		S 47220. 1	112GLCLU	08-15-95	92	23	5.8	12.0
405240072491402		S 47226. 1	112GLCLU	11-08-94	30	72	6.4	12.5
405240072491401		S 47227. 1	112GLCLU	11-08-94	100	105	7.7	11.5
405412072441401		S 47753. 1	112GLCLU	08-31-95	102	68	5.5	11.0
405349072494101		S 51592. 1	112GLCLU	11-09-94	42	123	5.4	12.0
403935073235002		S 67537. 1	112GLCLU	06-01-95	61	128	7.9	14.0
410323072182001		S 75441. 1	112GLCLU	08-21-95	33	100	6.1	14.0
403935073235003		S 79407. 1	211LLYD	05-31-95	1219	65	6.4	12.0
403935073235004		S 79408. 1	211MGTY	05-31-95	680	36	5.6	12.0
405604073064302		S 81831. 1	211MGTY	10-03-94	470	49	6.4	12.0
404641073005301		S 94403. 1	112GLCLU	12-07-94	100	75	6.8	12.5
404759073251703		S 95965. 1	211MGTY	08-14-95	619	33	6.0	11.5

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SUFFOLK COUNTY--Continued

DATE	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
08-16-95	2.1	0.52	0.31	2.2	0.30	10	1.7	2.8	<0.10	6.1
08-16-95	3.6	1.2	0.35	4.0	0.50	14	0.90	3.9	<0.10	6.2
12-06-94	10.4	9.2	2.9	21	1.0	9.5	18	34	<0.10	8.7
08-15-95	11.0	0.16	0.43	2.7	0.40	3.9	0.40	4.3	<0.10	5.3
11-08-94	--	3.9	0.68	4.4	0.40	14	3.2	5.5	<0.10	11
11-08-94	--	13	2.6	4.2	0.30	43	3.2	4.7	<0.10	14
08-31-95	6.8	3.4	1.7	5.2	0.70	8.9	8.5	8.0	<0.10	9.4
11-09-94	--	2.3	0.85	20	0.40	4.7	10	28	<0.10	6.4
06-01-95	1.1	22	1.5	2.8	0.40	60	3.1	3.7	<0.10	8.5
08-21-95	--	3.9	2.5	9.1	1.3	9.6	5.9	19	<0.10	12
05-31-95	<0.1	0.29	0.27	5.9	0.30	17	5.1	3.1	<0.10	7.7
05-31-95	0.1	0.40	0.33	2.6	0.30	8.1	2.8	3.6	<0.10	7.0
10-03-94	4.2	2.9	1.2	4.2	0.40	15	3.3	4.3	<0.10	10
12-07-94	1.7	5.9	1.8	4.5	0.90	25	3.1	4.2	<0.10	16
08-14-95	5.2	0.85	0.34	3.1	0.30	4.0	1.2	4.4	<0.10	6.3

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SUFFOLK COUNTY--Continued

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
08-16-95	0.001	<0.050	0.030	<0.20	0.007	0.003	210	15	<0.02
08-16-95	0.001	1.3	0.040	<0.20	<0.001	<0.001	11	17	<0.02
12-06-94	0.002	1.6	<0.015	<0.20	0.003	0.003	73	16	0.03
08-15-95	<0.001	0.050	<0.015	<0.20	<0.001	<0.001	110	26	<0.02
11-08-94	0.005	<0.050	0.20	<0.20	0.12	0.002	6500	130	0.03
11-08-94	0.001	<0.050	0.10	<0.20	0.21	0.19	810	270	0.02
08-31-95	<0.001	0.12	<0.015	<0.20	0.002	0.008	130	16	<0.02
11-09-94	0.003	0.31	0.020	<0.20	<0.001	0.001	370	43	<0.02
06-01-95	<0.001	0.070	0.020	<0.20	0.038	0.043	50	160	<0.02
08-21-95	0.001	0.070	0.040	<0.20	0.001	0.006	270	17	<0.02
05-31-95	<0.001	<0.050	0.030	<0.20	<0.001	<0.001	2600	48	<0.02
05-31-95	<0.001	0.060	0.040	<0.20	0.001	0.001	270	6	0.02
10-03-94	0.002	0.060	0.020	<0.20	0.007	0.008	9	<1	<0.02
12-07-94	0.003	<0.050	0.020	<0.20	0.075	0.048	2000	180	<0.02
08-14-95	0.003	0.52	<0.015	<0.20	0.001	<0.001	2000	25	<0.02

Hydrogeologic unit (aquifer):

112GLCLU - Upper glacial aquifer, Pleistocene age.

211LLYD - Lloyd aquifer, Cretaceous age.

211MGTY - Magothy aquifer, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1995 water year by the agency listed below. For further information, contact:

Suffolk County Water Authority
Sunrise Highway
Oakdale, NY 11769

Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier
S75	S21244	S30228	S38192	S47438	S57357	S71038
S1340	S21247	S30234	S38320	S47453	S57871	S71083
S1341	S21375	S30506	S38321	S47673	S57979	S71533
S2415	S21487	S30762	S38491	S47886	S57980	S71715
S4372	S21632	S31037	S38701	S47887	S58708	S71785
S5565	S22048	S31038	S38784	S48193	S58761	S71881
S8439	S22351	S31039	S38785	S48719	S59347	S71882
S11105	S22362	S31104	S38916	S49422	S59744	S71892
S11810	S22389	S31624	S38917	S49606	S60127	S72245
S12130	S22471	S31913	S39024	S50546	S60486	S72271
S14326	S22547	S32180	S39194	S51214	S60812	S72300
S14710	S22548	S32287	S39347	S51266	S61910	S72326
S14792	S22640	S32325	S39531	S51274	S61937	S72917
S14828	S22711	S32326	S39536	S51275	S62022	S73144
S14921	S23184	S32359	S40161	S51298	S62855	S73332
S15037	S23185	S32501	S40330	S51457	S63205	S73492
S15501	S23186	S32551	S40331	S51519	S63256	S74505
S15514	S23255	S32552	S40497	S51609	S63618	S74573
S15746	S23371	S33005	S40498	S51673	S63966	S74865
S15776	S23440	S33006	S40709	S51953	S64023	S77010
S15898	S23445	S33308	S40710	S52126	S64062	S78310
S15923	S23524	S33500	S40711	S52451	S64609	S78612
S16129	S23631	S33820	S40837	S52490	S64716	S79293
S16175	S23715	S33826	S40838	S52943	S64847	S81473
S16256	S23827	S33922	S40980	S52944	S65505	S82174
S16309	S23828	S33970	S42226	S52945	S65766	S82422
S16497	S23832	S34007	S42227	S53074	S65905	S83096
S16892	S24047	S34030	S42270	S53291	S66183	S83707
S16893	S24484	S34031	S42473	S53360	S66184	S84848
S17241	S24545	S34300	S42499	S53361	S66366	S88463
S17474	S24552	S34301	S42504	S53497	S66429	S89756
S17689	S24663	S34460	S42505	S53498	S66496	S90674
S17835	S25617	S34522	S42760	S53522	S66657	S93519
S18003	S25674	S34595	S42761	S53593	S66733	S93701
S18261	S25776	S34894	S42762	S53747	S66758	S93702
S18729	S26535	S35033	S42827	S53850	S66881	S94138
S19048	S26681	S35446	S43001	S53851	S67074	S94274
S19198	S27070	S35494	S43117	S54162	S67197	S94286
S19399	S27192	S35939	S43641	S54305	S67656	S96232
S19408	S27259	S36166	S44640	S54308	S67819	S96352
S19465	S27533	S36459	S44774	S54473	S67925	S96673
S19565	S27784	S36460	S45610	S54568	S68161	S98322
S19584	S28408	S36714	S45839	S54730	S68230	S98350
S20057	S28503	S36748	S45840	S54957	S68552	S98523
S20300	S28819	S36791	S46235	S55028	S68666	S99014
S20369	S28928	S36869	S46400	S55463	S68690	S99130
S20460	S29411	S36965	S46712	S55502	S68880	S99275
S20479	S29491	S36976	S46713	S55733	S69024	S99960
S20530	S29492	S37140	S46830	S55734	S69364	S100204
S20566	S29732	S37141	S46928	S56038	S69511	S100453
S20635	S30088	S37301	S47035	S56039	S70008	S100608
S20688	S30117	S37351	S47219	S56133	S70155	S100691
S20689	S30118	S37494	S47310	S56674	S70459	S101321
S20705	S30207	S37681	S47435	S57008	S70488	S101364
S20839	S30208	S37847	S47436	S57354	S70767	S105669
S21121	S30227	S37861	S47437			

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1995 water year by the agency listed below.
For further information, contact:

Suffolk County Department of Health Services
225 Rabro Drive East
Hauppauge, NY 11788

Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier	Local Identifier
S1512	S43820	S46284	S47945	S48535	S51182	S58960
S8837	S43821	S46287	S47973	S48578	S51184	S59992
S13204	S43822	S46359	S48425	S48579	S51185	S60123
S13924	S44914	S46502	S48426	S48580	S51186	S60124
S15406	S45053	S46962	S48427	S48581	S52050	S68831
S16118	S45207	S46963	S48428	S48582	S52084	S70257
S17174	S45208	S46964	S48429	S48583	S52686	S70259
S22660	S45210	S46965	S48430	S48584	S53057	S70260
S43808	S45212	S47223	S48432	S48759	S53196	S70262
S43809	S45402	S47225	S48433	S48958	S53323	S74284
S43810	S45447	S47230	S48438	S49898	S53330	S74285
S43811	S45594	S47232	S48439	S51169	S53331	S74286
S43812	S45636	S47233	S48440	S51171	S53338	S75454
S43813	S45637	S47235	S48442	S51174	S53539	S75455
S43814	S45718	S47437	S48517	S51175	S57371	S75456
S43815	S45719	S47743	S48518	S51176	S58921	S78323
S43816	S45720	S47748	S48519	S51177	S58922	S88716
S43817	S45721	S47749	S48520	S51179	S58924	S88718
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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