Water Resources Data New York Water Year 1996

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-96-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

OCTOBER

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1996

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Water Resources Data New York Water Year 1996

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-96-2
Prepared in cooperation with the State of New York
and with other agencies

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BRUCE BABBITT, Secretary

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1997

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. Troy, 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:

K. McGrath	G. Peña-Cruz
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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.

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Water resources data for the 1996 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 19 gaging stations; water quality at 19 gaging stations; and water levels at 679 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

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CONTENTS

FIGURES

TABLE

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]

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
Seaford Creek at Massapequa (d)	01309680	3.3	1992-95

WATER RESOURCES DATA - NEW YORK, 1996
Volume 2.—Long Island

INTRODUCTION

Water resources data for the 1996 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 19 gaging stations; water quality at 19 gaging stations; and water levels at 679 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 25286, Denver, Colorado 80225-0286.

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-96-2." 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 U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, Colorado 80225-0286.

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, John P. Cahill, Acting 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 1996 water year and increased to average in April or May; average conditions continued to end of the water year (figs. 2-5).

The maximum stream discharges for the 1996 water year occurred mainly in April and July. The storm of April 16 caused most of the maximum discharges in northeastern Nassau and northern Suffolk Counties; the storm of July 31 caused maximum discharges in northwestern and southern Nassau, southern Suffolk, and Queens Counties. Streamflow was greater than in the previous water year at all streamflow-gaging stations and ranged from near average to below average for the water year. Maximum monthly mean discharges for the 1996 water year at most stations were in April, and minimum monthly mean discharges were mostly in October. Precipitation for the 1996 water year at Brookhaven National Laboratory was 55.75 in., 7.54 in. above normal.

Water levels in most wells screened in the upper glacial aquifer were well below average at the beginning of the water year, and those at some wells, mainly in sewered areas of central and eastern Nassau County and western and central Suffolk County, began at a record low. Water levels at most wells began a seasonal rise during the first half of the water year, followed by a normal seasonal decline during the second half.

Water levels in most wells screened in the Magothy and Lloyd aquifers were slightly below average at the beginning of the water year and showed a normal seasonal rise during the first half of the water year, followed by a normal decline during the last half of the water year,. Water levels at some wells showed greater variability as a result of changes in local pumping rates.

Record-high water levels were measured in eight wells screened in the upper glacial and Magothy aquifers in southern Kings and Queens Counties and in eastern Suffolk County. Record low water levels were measured in 27 wells screened in the upper glacial and Magothy aquifers, primarily in central and eastern Nassau and western and central Suffolk Counties.

Concentrations of inorganic constituents in surface-water samples collected during the 1996 water year did not differ significantly from those of the previous year. Specific conductance of surface-water samples ranged from 86 to 521 µS/cm (microsiemens per centimeter at 25 degrees Celsius); the median was 199 µS/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 5.5 to 7.9; 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. No ground-water samples were collected for laboratory analysis this water year.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 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) monitors the water quality of large rivers within four of the Nation's largest river basins—the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN 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 re-mobilization 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 Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives: (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NOx scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through teh world wide web at:

http://nadp.nrel.colostate.edu/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, representative part of the Nation's ground- and surface-water resources, provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends, and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies..

Assessment activities are being conducted in 53 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. 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.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvqres.er.usgs.gov/nawqa/nawqa_homr.hyml

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 1996 water year that began October 1, 1995, and ended September 30, 1996. 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.

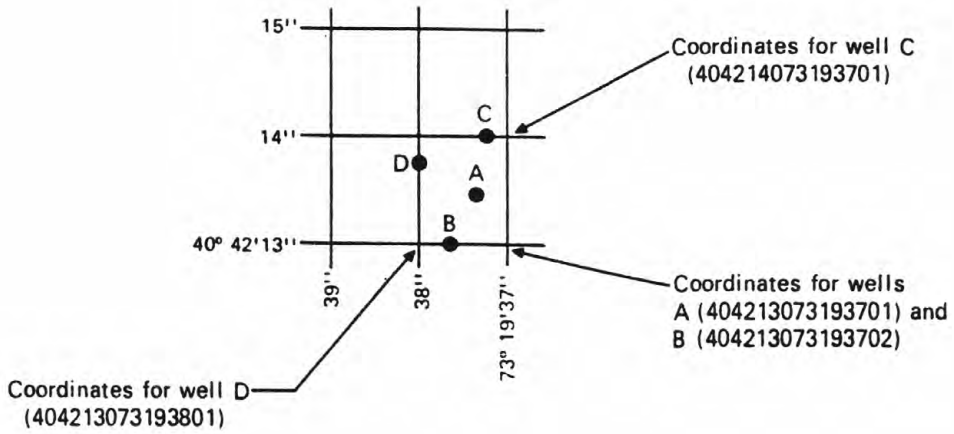

Figure 1. System for numbering wells (latitude and longitude).

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 and 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 ft^3/s, to tenths between 1.0 and 10 ft^3/s,to whole numbers between 10 and 1,000 ft^3/s, and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other 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 (1996) 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:

PRINTED OUTPUT	REMARK
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 (µg/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). Data above the µg/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

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 679 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 20192

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 ±1.0°C on M-endo median (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

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

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

Bed material: See Bottom material.

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same 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 (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

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

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

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

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

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

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

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually 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.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams of oxygen per area or volume per unit time [mg O_2/(m^2.time) for periphyton and macrophytes and mgO_2/(m^3.time) for phytoplankton] are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

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:

Kingdom	Animal
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."

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS-TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3. Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing,* by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the moving-boat method,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing,* Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS- -TWRI Book 3, Chapter A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

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3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

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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 soluable 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.

3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction,* by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers,* by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow,* by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.

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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3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

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4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

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5-A3. *Methods for the determination of organic substances in water and fluvial sediments,* edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.

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6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.

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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.

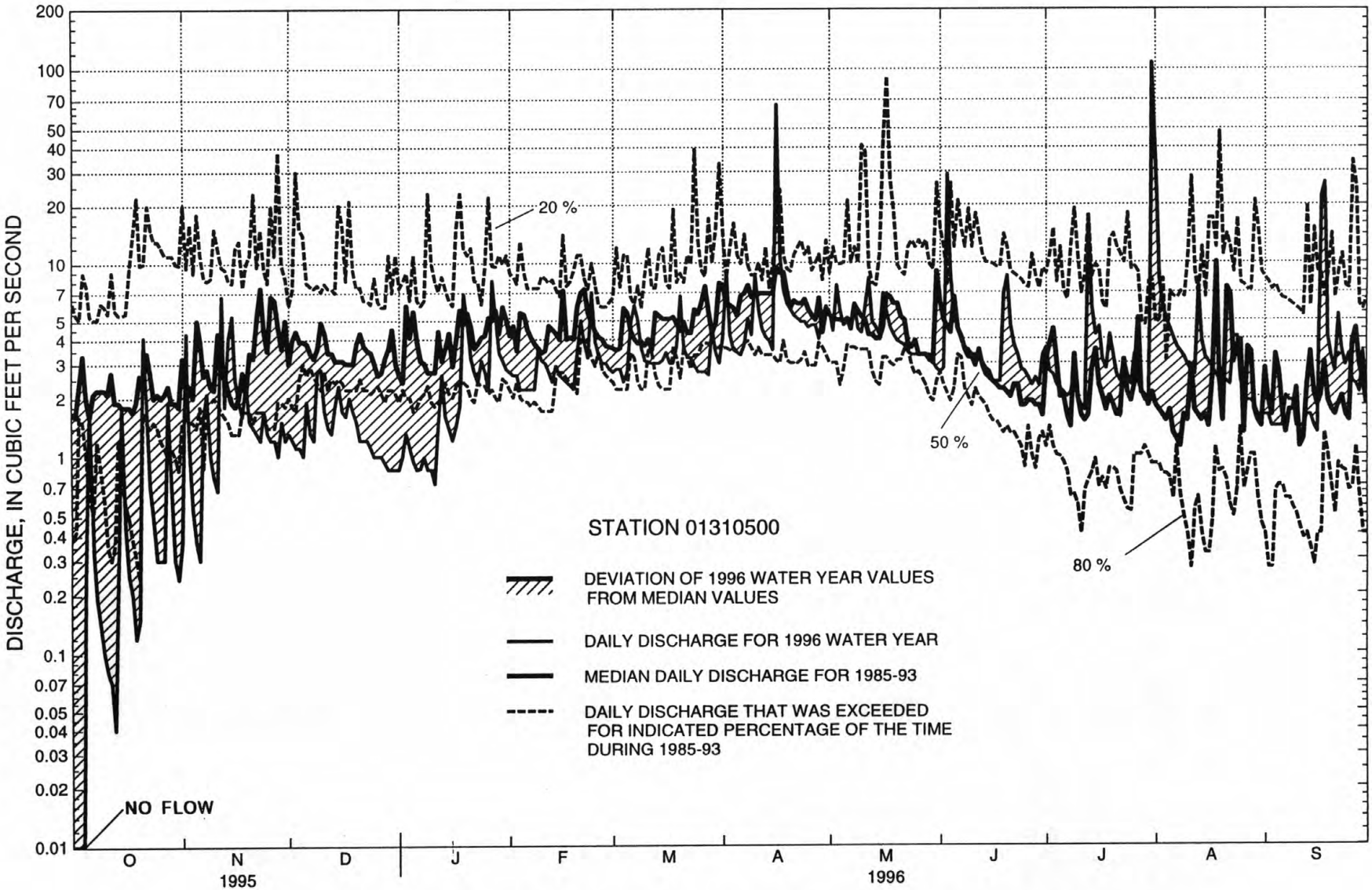


Figure 2.--Discharge data, East Meadow Brook at Freeport, Water year 1996

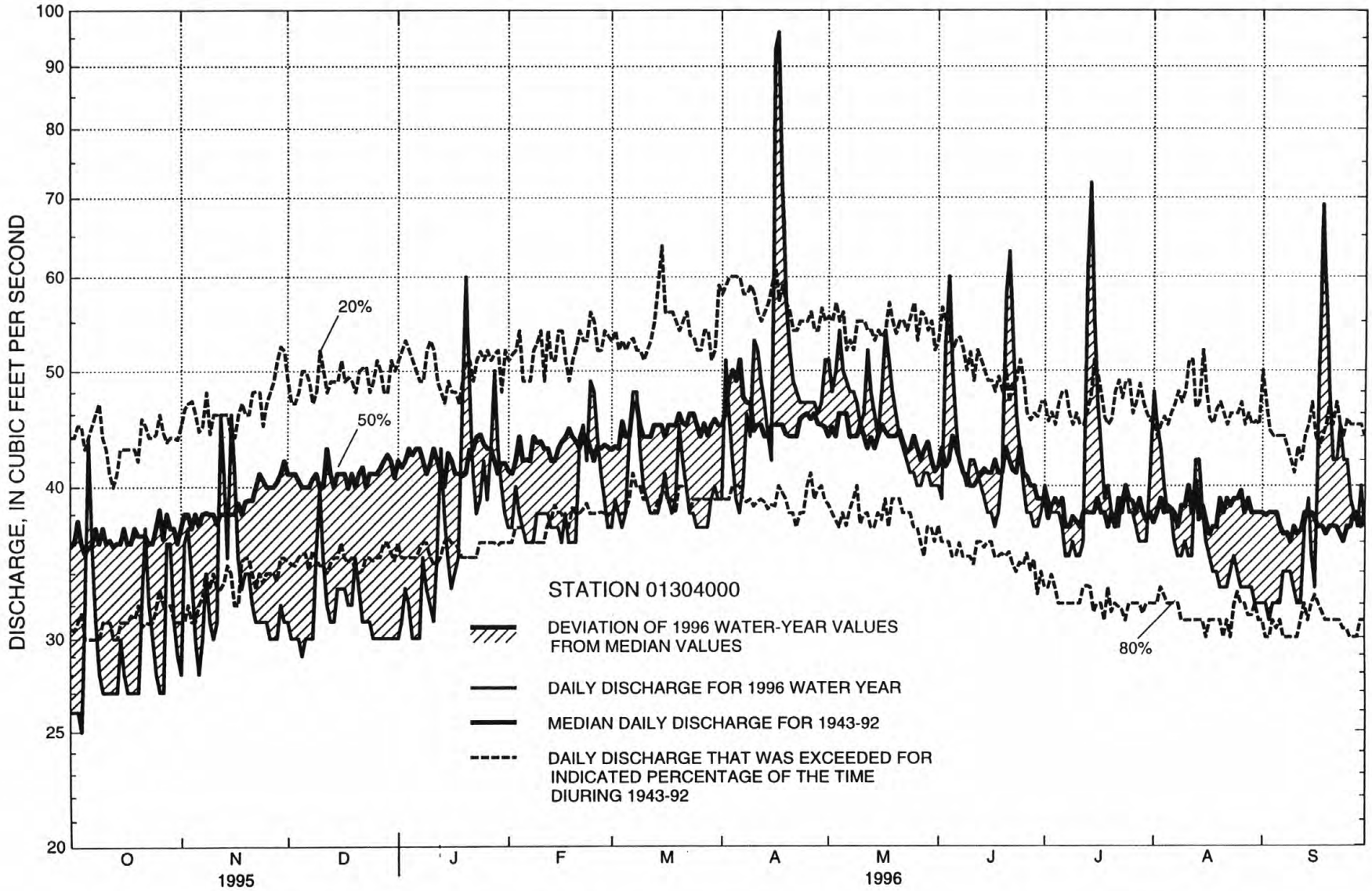


Figure 3.--Discharge data, Nissequogue River near Smithtown, Water year 1996.

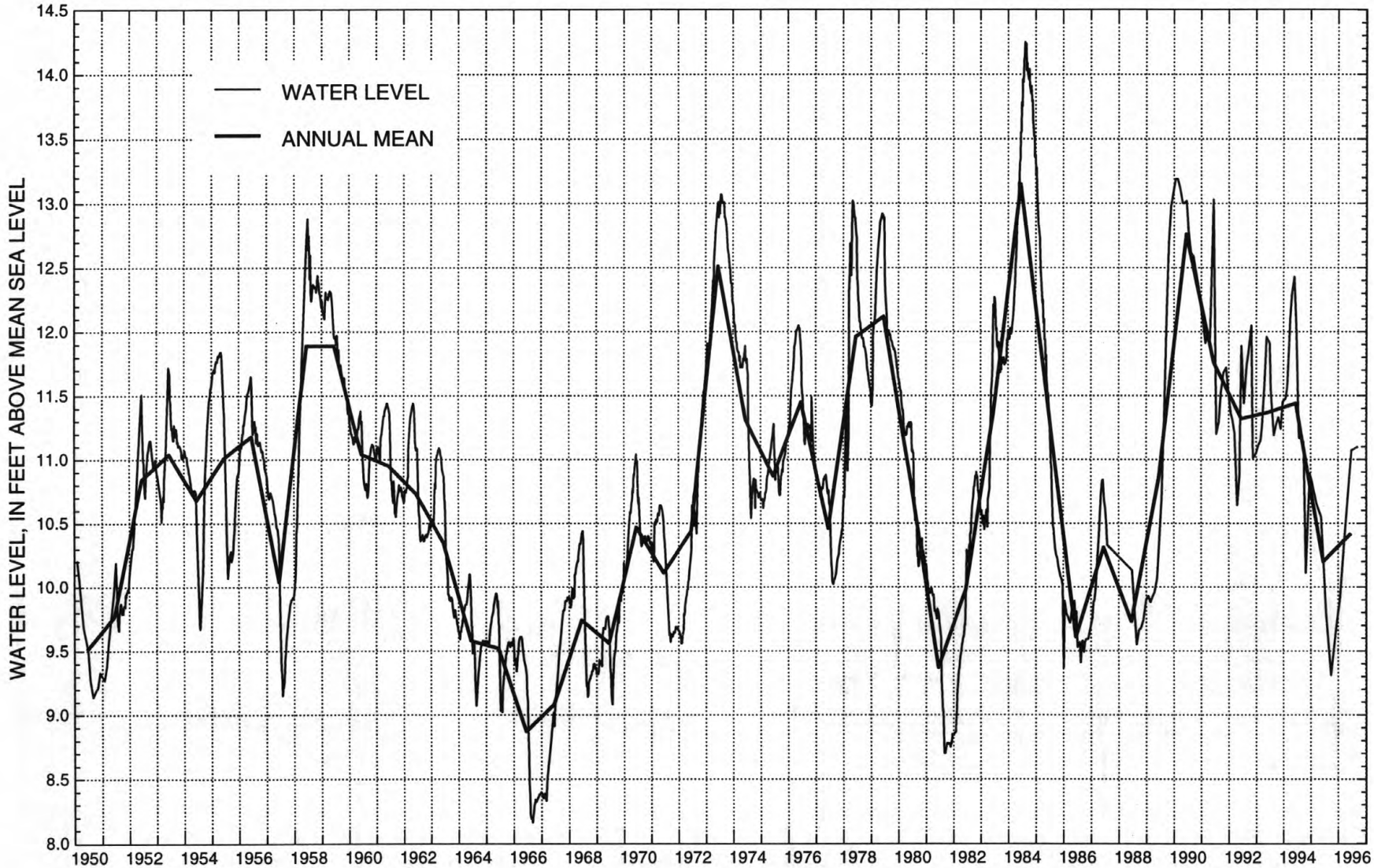


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead, N.Y.

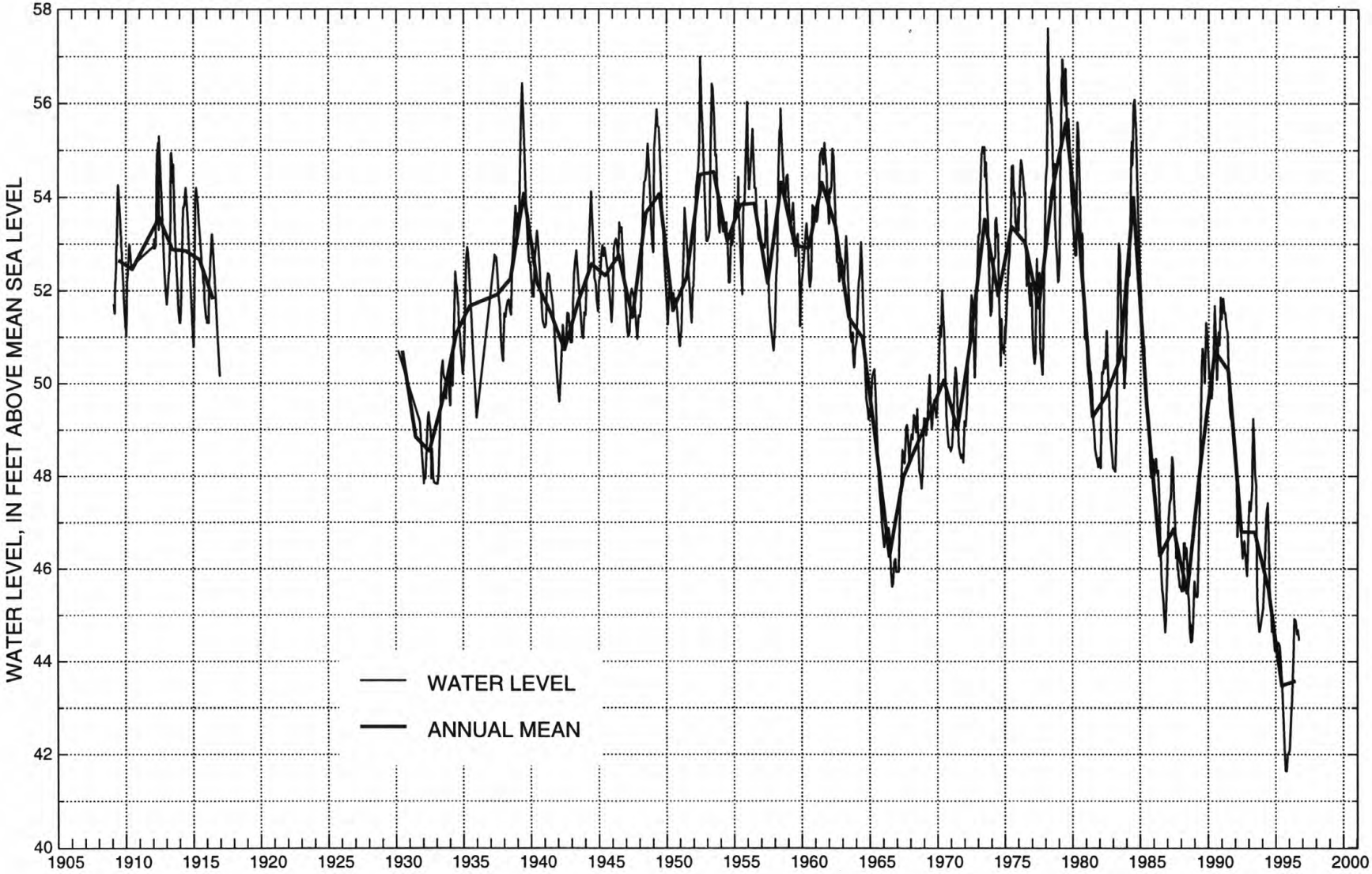


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge, N.Y.

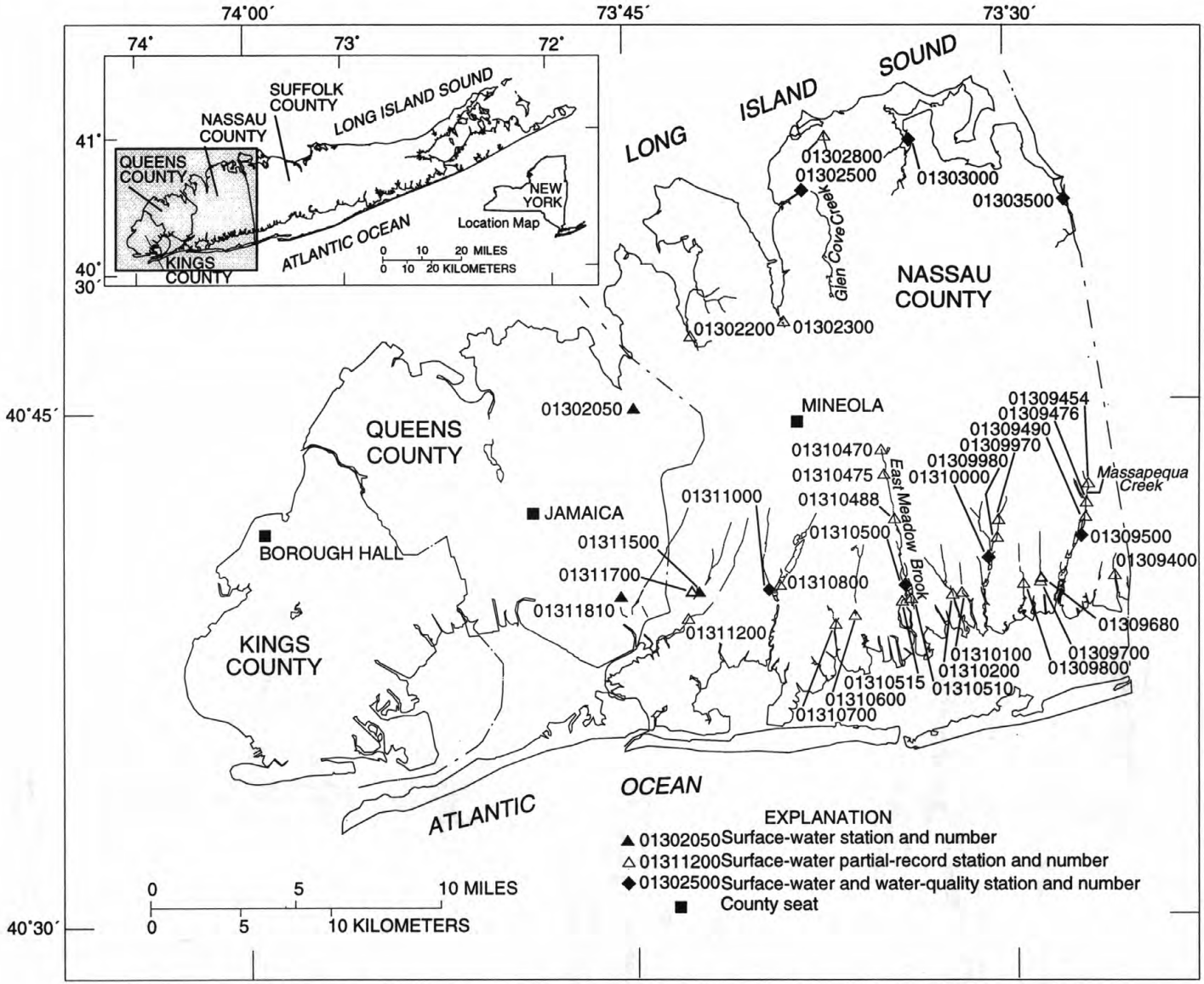


FIGURE 6A.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

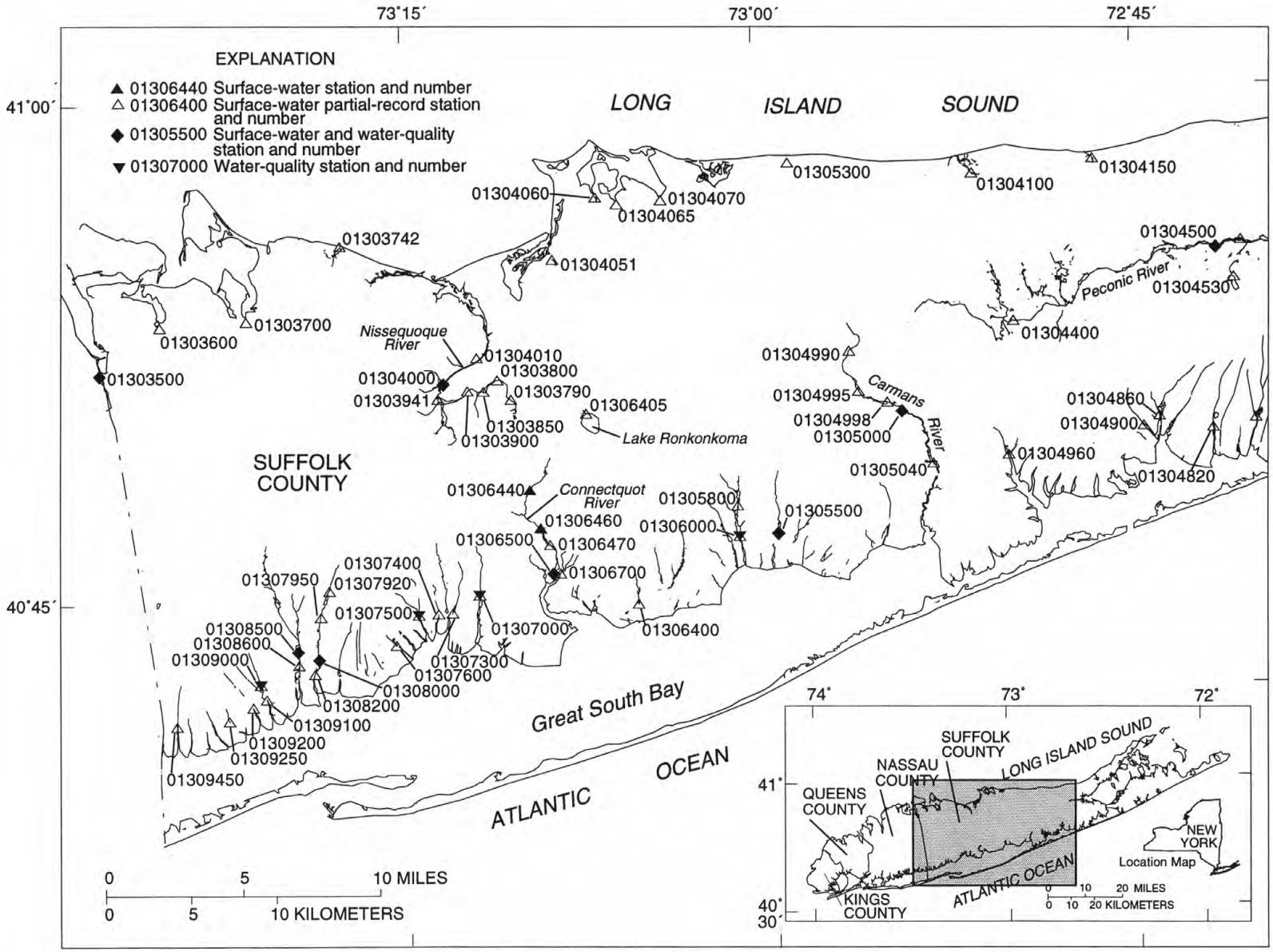


FIGURE 6B.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

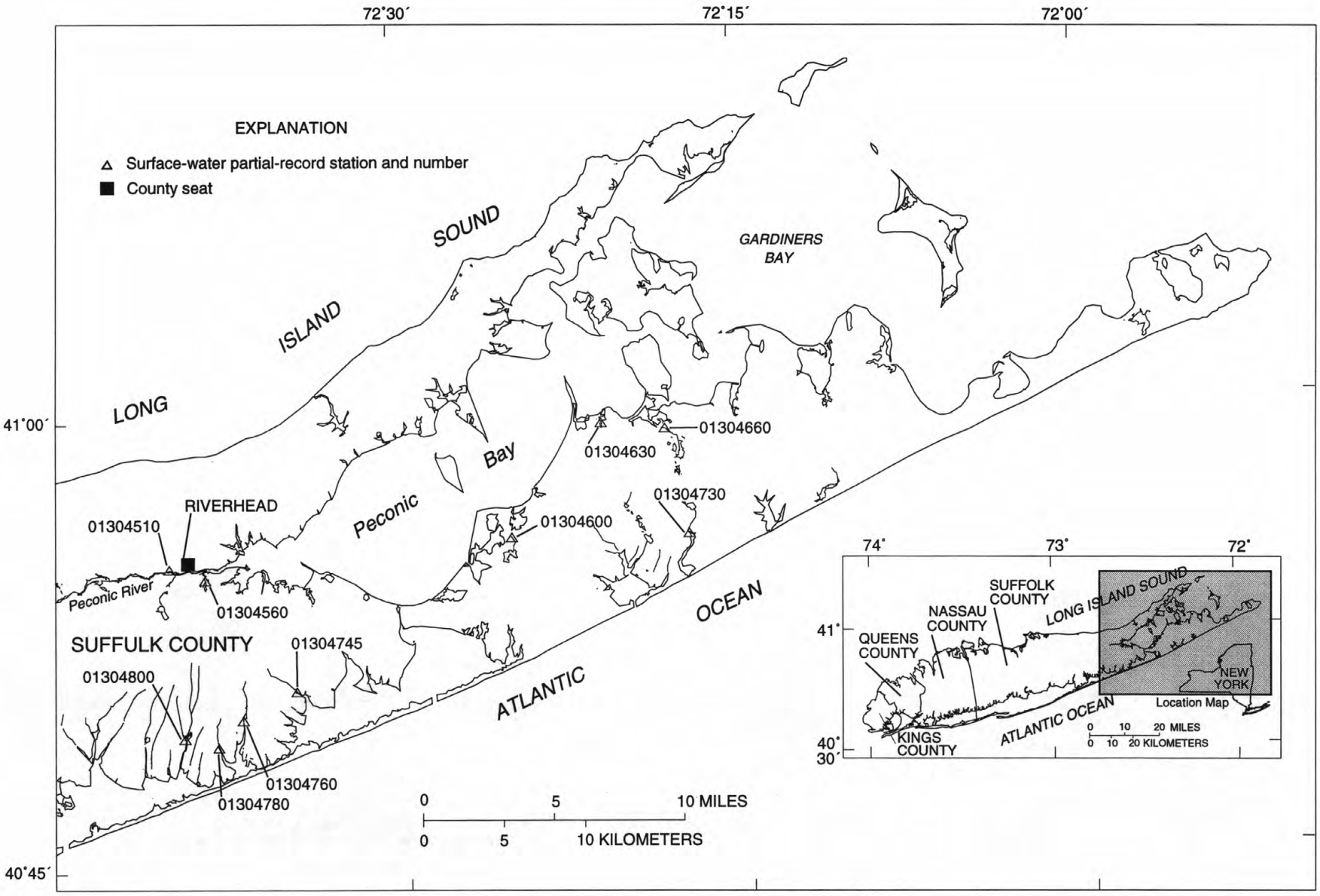


FIGURE 6C.--LOCATION OF SURFACE-WATER DATA COLLECTION SATATIONS

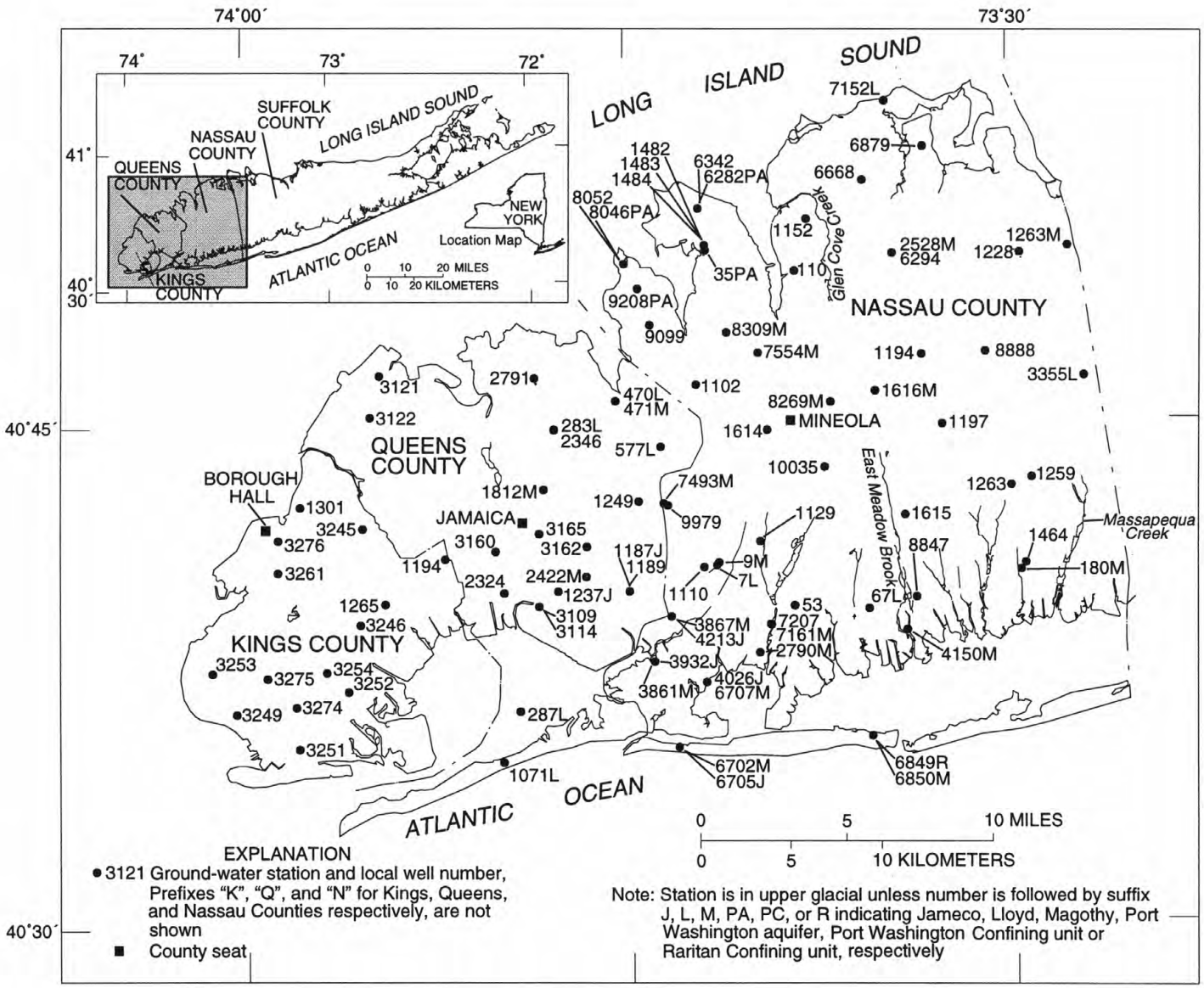


FIGURE 7A.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

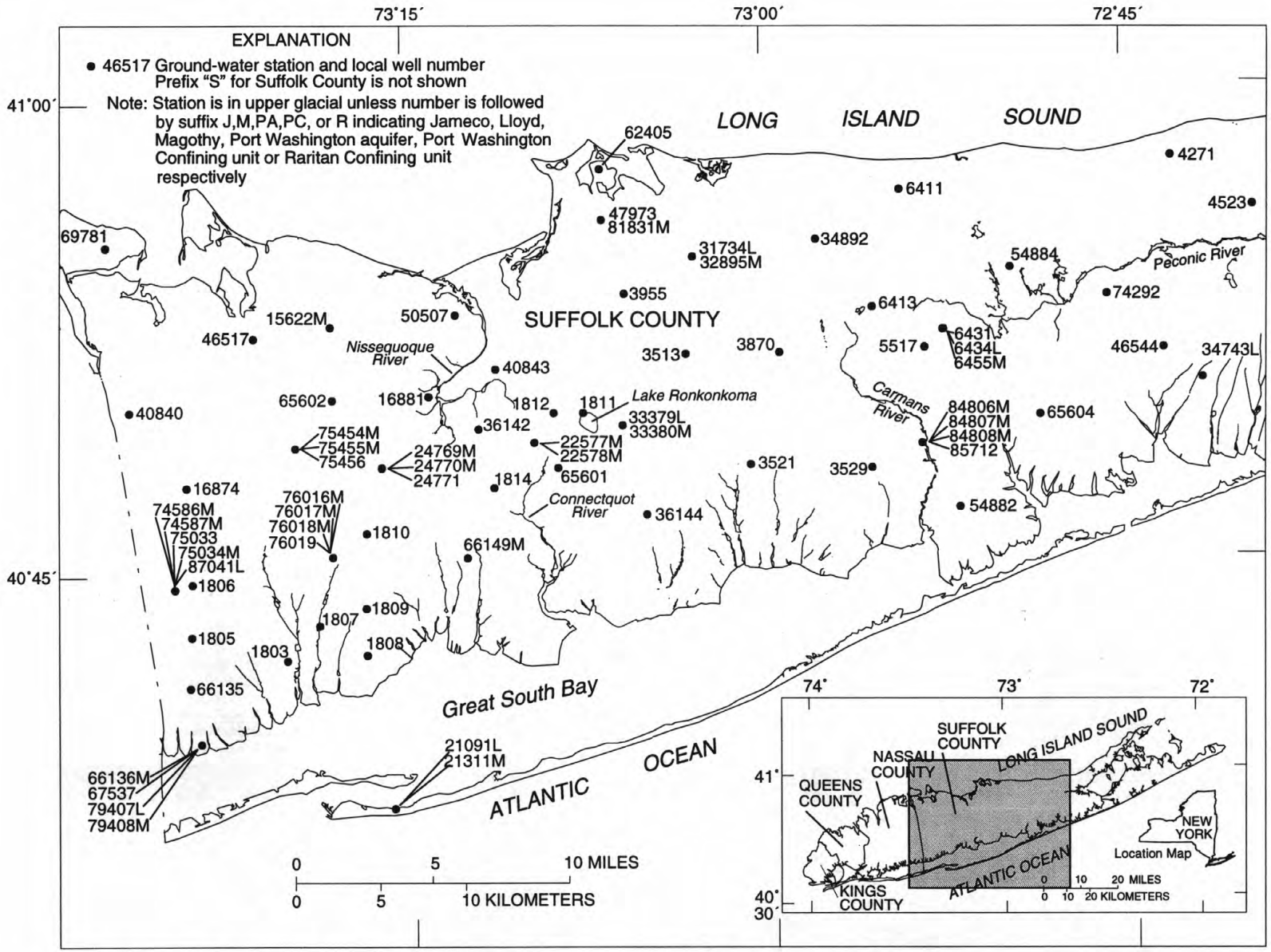


FIGURE 7B.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

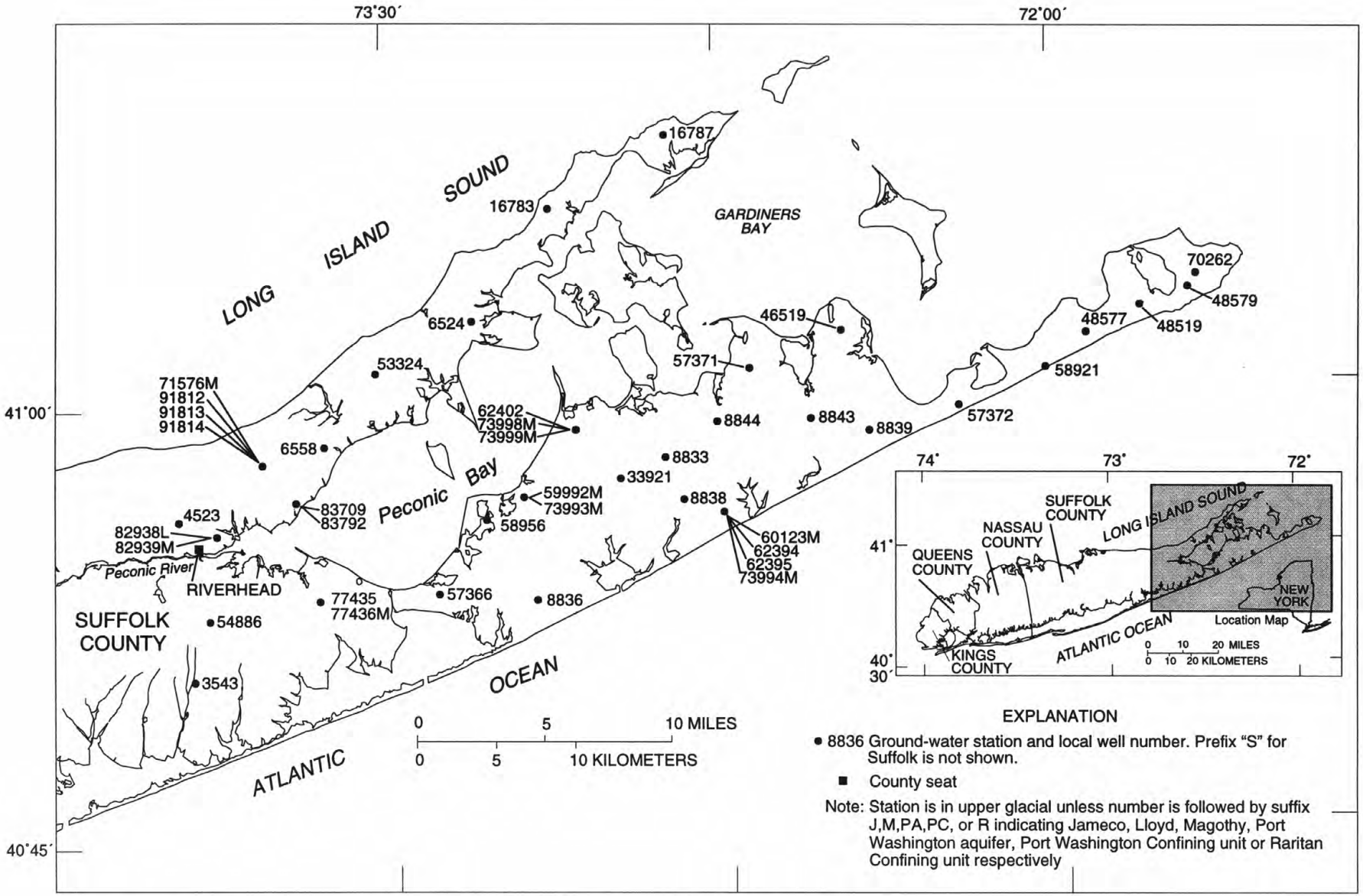


FIGURE 7C.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

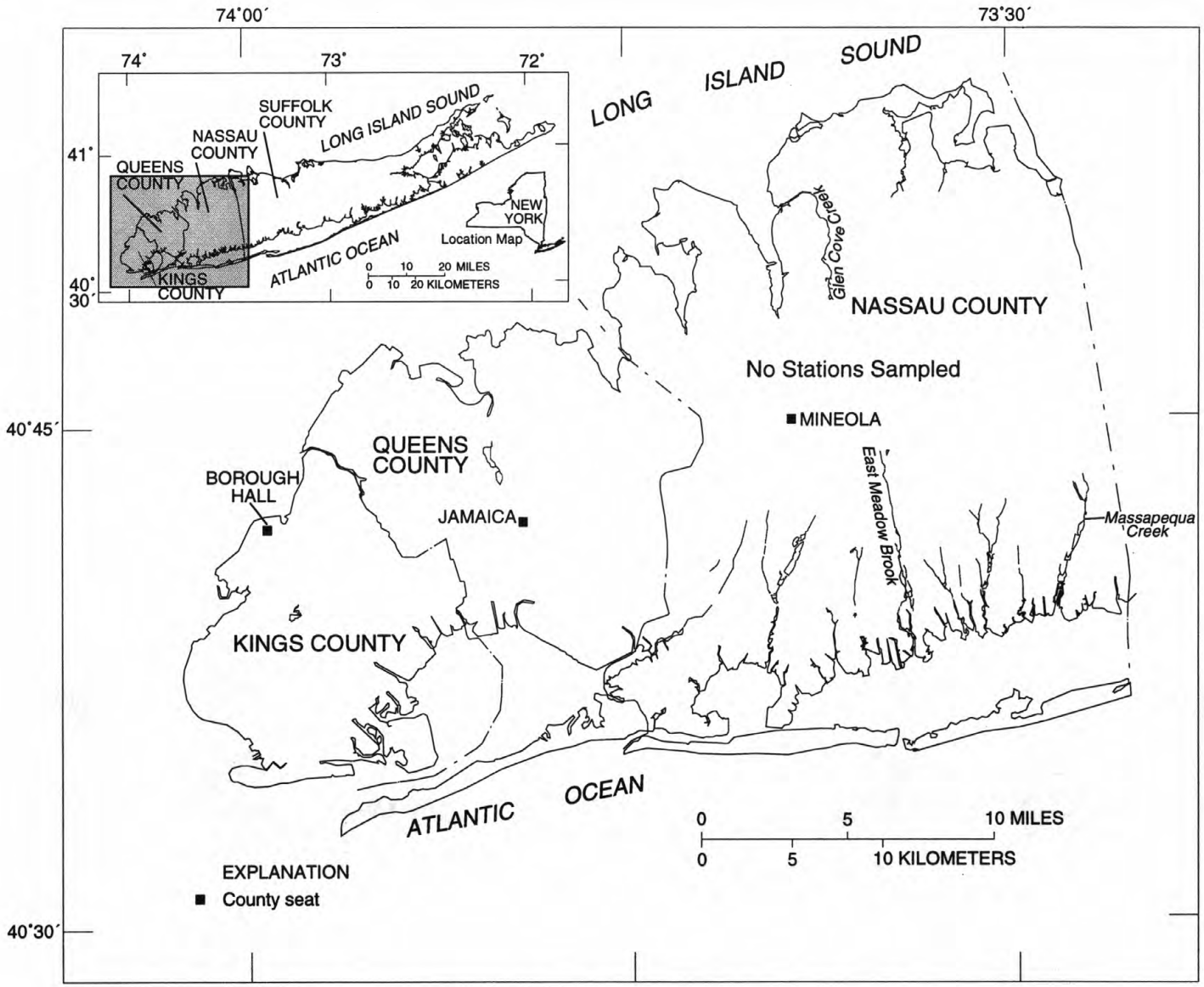


FIGURE 8A.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

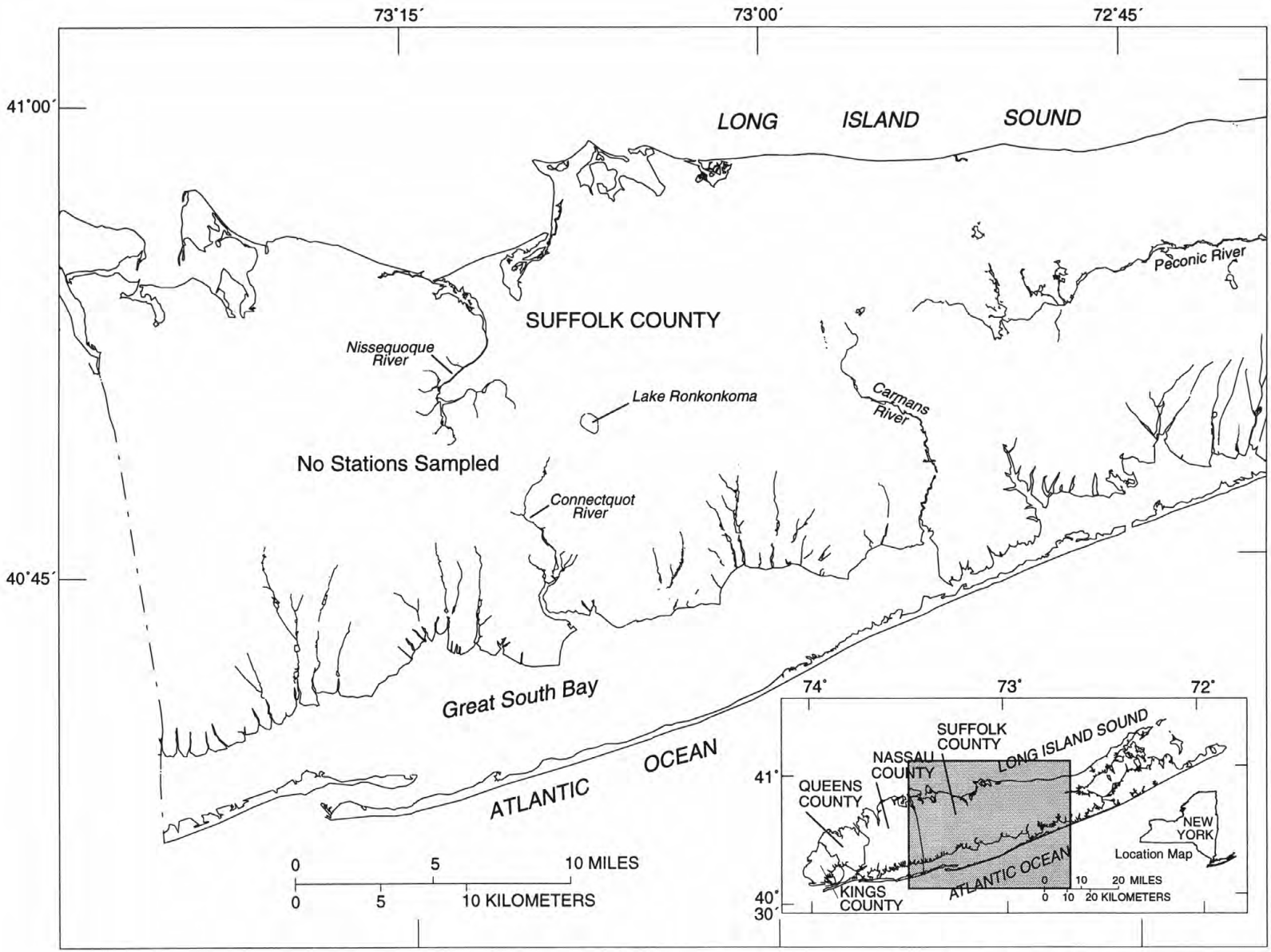


FIGURE 8B.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

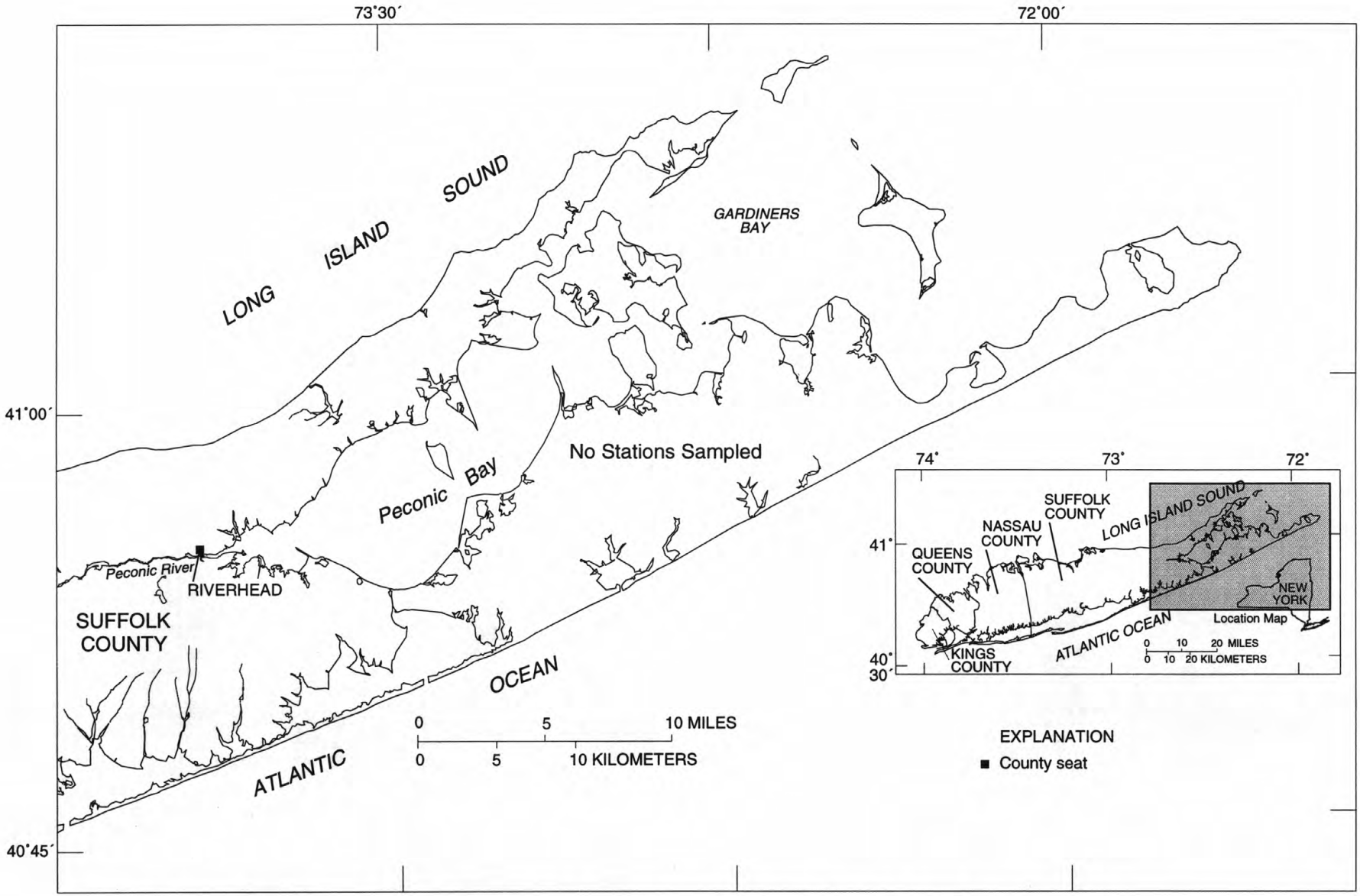


FIGURE 8C.--LOCATION OF QUALITY OF GROUND-WATER- DATA COLLECTION STATIONS

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 mi^2.

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.--No estimated daily discharges. Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	1.5	.88	.96	.75	.75	3.8	1.1	.95	.85	2.6	1.1
2	.75	4.8	.87	1.3	.75	1.1	2.3	1.1	.95	.85	1.1	1.1
3	.75	.66	.93	1.3	.75	.68	1.0	2.2	5.2	1.3	1.1	1.1
4	.75	.72	.85	.98	.75	.66	1.0	1.1	.95	.95	1.0	1.1
5	4.3	.75	.88	.86	.75	1.1	1.1	1.1	.95	.96	1.0	1.1
6	.75	.80	1.3	.79	.75	1.7	.95	1.2	.84	.89	1.0	1.1
7	.75	2.4	.85	.85	.77	2.9	2.1	1.3	.85	.94	1.0	1.1
8	.75	.70	.85	.85	.98	.95	1.6	1.6	.85	1.1	1.0	1.1
9	.75	.66	2.6	.85	1.5	.69	1.6	1.1	.85	.94	1.1	.96
10	.75	.66	.87	.85	.84	.69	3.3	1.2	.85	.85	1.0	1.0
11	.75	2.2	.85	.85	.83	.70	1.2	2.6	.85	.85	1.0	1.1
12	.75	4.8	.85	2.1	.75	.73	1.1	1.2	.86	.88	1.1	1.1
13	.75	.66	.85	1.2	.75	.70	1.2	.95	.85	4.7	2.4	2.4
14	1.8	6.7	1.7	1.0	1.0	.72	1.1	.96	.85	1.2	.98	.95
15	1.4	1.3	.93	.99	.75	1.1	1.1	1.1	.84	1.3	.99	.95
16	.72	.75	1.2	.85	.75	.71	9.3	2.3	.83	1.4	1.0	.95
17	.75	.75	.89	1.4	.85	.66	1.0	1.1	.85	.85	1.1	6.1
18	.75	.91	.87	1.3	.76	.66	.99	1.0	.85	.85	1.0	2.1
19	.75	1.0	.95	7.1	.75	6.9	1.0	1.1	1.8	1.1	1.0	1.1
20	.77	.85	1.2	.90	1.9	2.3	.96	1.1	1.1	.85	1.0	1.1
21	4.6	.85	.97	.85	1.6	1.1	.95	1.1	.98	.85	1.1	1.1
22	.74	.85	.95	.75	.84	1.1	.95	1.1	.92	.91	1.1	3.0
23	.73	.85	.95	.76	.75	1.0	1.3	1.0	.92	1.0	2.0	1.1
24	.80	.95	.95	2.7	2.1	.98	.98	1.1	.95	.95	3.2	1.1
25	.75	.85	.95	.78	.76	1.0	.95	1.1	.95	.94	1.1	1.1
26	.75	.85	.95	.75	.76	1.1	1.4	1.1	.94	2.3	.95	1.1
27	.85	.95	.93	4.6	.79	1.1	.96	1.1	.94	.85	.95	1.1
28	3.1	.95	.95	.86	.90	1.1	.95	1.1	1.2	.85	1.1	1.3
29	.74	1.3	.95	.77	.75	2.3	1.5	1.2	.85	.85	.95	1.8
30	.75	.85	.95	.75	---	1.1	1.6	1.2	1.9	.85	1.1	1.1
31	.77	---	.95	.75	---	1.1	---	1.1	---	7.2	1.1	---
TOTAL	34.82	42.82	31.62	41.60	26.93	39.38	49.24	38.61	33.47	41.16	38.12	42.41
MEAN	1.12	1.43	1.02	1.34	.93	1.27	1.64	1.25	1.12	1.33	1.23	1.41
MAX	4.6	6.7	2.6	7.1	2.1	6.9	9.3	2.6	5.2	7.2	3.2	6.1
MIN	.72	.66	.85	.75	.75	.66	.95	.95	.83	.85	.95	.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	1.10	1.21	1.54	1.58	1.33	1.33	1.28	1.19	1.01	1.22	1.22	1.31
MAX	1.22	1.43	2.23	1.91	1.89	1.66	1.64	1.36	1.12	1.41	1.66	1.41
(WY)	1994	1998	1995	1994	1995	1994	1998	1994	1998	1995	1994	1998
MIN	.97	.98	1.02	1.34	.93	1.07	1.04	.98	.94	.93	.95	1.10
(WY)	1995	1994	1996	1996	1996	1995	1995	1995	1995	1993	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	437.09		460.18			
ANNUAL MEAN	1.20		1.26		1.29	
HIGHEST ANNUAL MEAN					1.34	1994
LOWEST ANNUAL MEAN					1.26	1996
HIGHEST DAILY MEAN	21	Feb 4	9.3	Apr 16	34	Dec 24 1994
LOWEST DAILY MEAN	.66	Sep 24	.66	Nov 3	.66	Sep 24 1995
ANNUAL SEVEN-DAY MINIMUM	.73	Sep 27	.74	Mar 8	.73	Sep 27 1995
INSTANTANEOUS PEAK FLOW			117a	Jul 31	221a	Dec 24 1994
INSTANTANEOUS PEAK STAGE			3.39b	Mar 19	3.77	Dec 24 1994
INSTANTANEOUS LOW FLOW			.66	Many days	.66	Many days
10 PERCENT EXCEEDS	1.5		2.1		1.8	
50 PERCENT EXCEEDS	.95		.96		.95	
90 PERCENT EXCEEDS	.76		.75		.83	

a From rating curve extended above 60 ft^3/s.
b Result of high tide.

01302500 GLEN COVE CREEK AT GLEN COVE, NY

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

DRAINAGE AREA.--About 11 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS (WATER YEARS).--WSP 971: 1939-42. 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.--No estimated daily discharges. Records good except those above 200 ft^3/s, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	4.1	3.1	3.3	3.6	3.7	17	5.9	3.9	4.0	25	3.2
2	3.1	20	3.0	4.2	3.6	4.4	20	4.9	3.7	3.7	12	3.1
3	3.1	4.1	3.0	3.7	3.4	3.9	10	12	25	19	8.6	3.2
4	3.1	3.7	3.0	3.3	3.4	3.7	8.2	5.7	8.2	4.9	6.8	3.2
5	23	3.5	3.0	3.3	3.4	6.8	6.7	4.8	7.7	4.0	4.8	3.2
6	7.6	3.3	4.6	3.3	3.4	11	5.0	4.7	6.8	3.7	3.8	3.7
7	3.7	11	3.1	3.3	3.4	17	9.9	4.5	5.3	3.6	3.3	3.6
8	3.4	5.0	3.1	3.4	3.9	6.9	9.2	6.4	4.1	3.7	3.3	3.9
9	3.1	3.4	7.3	3.3	6.2	4.9	6.4	4.9	3.9	4.1	3.5	3.2
10	3.1	3.2	3.8	3.3	4.4	4.4	17	5.0	4.1	3.7	3.3	3.1
11	3.1	10	3.3	3.3	4.5	4.3	7.1	10	3.8	3.6	3.3	3.2
12	3.1	22	3.1	3.8	3.9	4.3	4.9	9.4	3.7	3.8	3.3	3.2
13	3.1	4.0	3.1	4.1	3.5	4.1	6.2	4.9	3.7	42	12	4.5
14	11	18	5.2	3.7	4.0	3.9	4.2	4.8	3.7	9.5	3.3	3.5
15	7.7	11	4.1	3.7	3.6	6.0	4.2	4.0	3.6	9.9	3.3	3.1
16	3.9	4.4	4.1	3.4	3.5	4.4	55	9.1	3.6	11	3.3	3.3
17	3.7	3.7	3.3	5.1	3.6	3.9	16	5.1	3.7	6.5	3.2	28
18	3.4	3.6	3.3	4.0	3.5	3.9	11	4.2	3.7	8.3	3.2	15
19	3.1	4.2	3.3	47	3.4	9.1	8.6	4.0	11	5.2	3.2	5.0
20	3.1	3.3	3.3	12	10	7.3	6.7	4.1	4.8	3.6	3.2	4.3
21	29	3.2	3.3	5.6	10	4.3	5.0	4.3	4.3	3.6	3.2	4.0
22	4.5	3.1	3.3	4.6	5.5	3.9	4.9	3.9	3.7	3.5	3.3	14
23	4.5	3.2	3.3	4.2	4.2	3.8	5.7	3.9	3.7	4.1	4.2	4.9
24	3.7	3.3	3.4	19	13	3.7	4.8	3.9	3.9	3.5	3.3	4.3
25	3.4	3.0	3.3	10	4.9	3.7	4.4	3.9	3.8	3.5	3.2	3.7
26	3.1	3.0	3.3	7.7	4.0	3.7	6.8	3.9	3.8	8.1	3.2	3.4
27	3.2	3.0	3.3	33	3.9	3.7	5.4	3.9	3.8	3.6	3.6	3.3
28	19	3.0	3.3	12	4.2	3.8	4.7	3.9	4.5	3.4	3.2	4.4
29	3.5	3.9	3.3	7.2	3.7	8.3	9.1	3.9	3.7	3.4	3.2	7.7
30	3.2	3.1	3.3	4.8	---	4.6	7.8	3.9	8.4	3.5	3.2	3.4
31	3.1	---	3.3	4.1	---	4.0	---	3.9	---	57	3.2	---
TOTAL	181.7	177.3	109.5	236.7	135.6	165.4	291.9	161.7	161.6	255.0	152.5	159.6
MEAN	5.86	5.91	3.53	7.64	4.68	5.34	9.73	5.22	5.39	8.23	4.92	5.32
MAX	29	22	7.3	47	13	17	55	12	25	57	25	28
MIN	3.1	3.0	3.0	3.3	3.4	3.7	4.2	3.9	3.6	3.4	3.2	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	6.33	7.00	7.12	7.64	7.73	8.40	8.15	7.44	6.70	6.86	7.30	6.72
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	1863.5		2188.5			
ANNUAL MEAN	5.11		5.98		7.28	
HIGHEST ANNUAL MEAN					12.8	1979
LOWEST ANNUAL MEAN					4.22	1966
HIGHEST DAILY MEAN	35	Jul 17	57	Jul 31	455	Jan 21 1979
LOWEST DAILY MEAN	3.0	Nov 25	3.0	Nov 25	2.2	Oct 8 1967
ANNUAL SEVEN-DAY MINIMUM	3.1	Nov 22	3.1	Nov 22	2.3	Oct 2 1967
INSTANTANEOUS PEAK FLOW			460a	Jul 31	728a	Sep 12 1960
INSTANTANEOUS PEAK STAGE			5.21	Jul 31	7.12	Sep 12 1960
INSTANTANEOUS LOW FLOW			2.9	Nov 30	2.1	Oct 15 1967
10 PERCENT EXCEEDS	7.5		10		11	
50 PERCENT EXCEEDS	3.9		3.9		5.8	
90 PERCENT EXCEEDS	3.2		3.2		3.5	

a From rating curve extended above 110 ft^3/s on basis of step-backwater method.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
23...	1000	1.4	267	6.8	13.5	777	8.4	21	7.5
FEB									
12...	1315	1.1	362	6.7	9.5	761	10.0	24	8.5

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT									
23...	18	2.4	42	22	32	<0.10	14	0.006	3.30
FEB									
12...	33	2.4	45	25	57	<0.10	15	0.005	4.10

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT									
23...	0.090	0.20	0.036	0.019	550	430	50	51	0.03
FEB									
12...	0.090	<0.20	0.018	0.012	520	430	70	64	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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep. 17	2200	*31	*0.65				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	7.8	6.6	6.6	6.7	7.0	7.1	7.0	6.7	8.2	18	e5.0
2	5.5	13	6.6	6.6	6.6	7.2	12	6.7	6.9	7.5	12	e5.0
3	5.3	11	6.6	6.6	6.6	7.3	9.0	6.8	10	7.4	7.7	e5.0
4	5.5	8.4	6.6	6.7	6.6	7.4	7.5	7.0	12	8.8	7.0	e5.0
5	7.7	7.5	6.6	6.6	6.7	7.4	7.3	6.9	8.0	7.1	7.0	e5.0
6	17	7.2	6.6	6.6	6.6	9.4	7.3	6.6	7.3	7.0	7.0	e4.5
7	10	7.7	6.6	6.6	6.6	12	7.1	6.7	7.3	7.0	6.8	e4.5
8	8.1	10	6.6	6.8	6.6	12	8.2	6.7	7.0	7.0	6.6	e4.5
9	7.1	8.0	6.8	6.8	6.7	12	7.4	6.7	7.0	7.0	6.6	4.6
10	7.0	7.7	8.3	6.6	6.7	8.9	8.9	6.7	7.1	7.0	6.6	5.0
11	6.8	7.9	7.1	6.6	7.0	7.5	7.3	6.7	7.3	7.0	6.6	4.9
12	6.5	17	6.3	6.6	7.0	7.3	7.0	7.0	7.0	6.8	6.6	5.0
13	5.8	12	6.6	6.6	7.0	7.3	6.9	7.0	7.0	15	6.6	5.7
14	6.0	11	6.5	6.6	7.0	7.3	6.7	7.0	7.0	21	6.6	6.1
15	9.9	13	6.3	6.7	7.0	7.3	6.6	6.7	7.0	15	6.6	5.5
16	7.5	7.4	6.5	6.7	7.0	7.3	13	6.8	7.0	12	e6.0	5.5
17	6.4	6.6	6.7	6.7	7.0	7.3	9.7	7.0	7.0	9.6	e6.0	e12
18	6.3	6.5	6.3	6.7	7.0	7.3	7.1	7.0	7.0	8.3	e6.0	e15
19	6.3	6.6	6.5	8.8	7.0	e7.5	7.0	7.0	7.0	9.7	e6.0	e9.0
20	6.3	6.5	7.5	10	7.0	e10	6.7	7.0	7.3	7.8	e6.0	6.4
21	13	6.2	6.6	7.0	7.3	e8.0	6.6	7.0	7.3	6.8	e6.0	5.4
22	15	5.7	6.0	7.0	7.3	7.1	6.6	6.9	7.3	6.6	e6.0	7.2
23	9.2	5.4	6.0	6.7	7.2	7.0	6.6	6.6	7.0	6.6	e6.0	9.3
24	7.7	5.6	6.0	6.8	7.7	7.0	6.6	6.6	7.0	6.6	e5.5	6.7
25	7.1	5.6	5.8	7.1	7.4	7.0	6.6	6.7	7.0	6.6	e5.5	6.0
26	7.0	5.6	5.7	7.0	7.3	7.0	6.6	6.7	7.0	6.6	e5.5	5.4
27	7.1	5.8	5.9	8.9	7.1	7.0	6.6	6.6	7.2	6.6	e5.5	5.3
28	11	5.8	6.4	12	7.1	7.0	6.6	6.6	7.3	6.6	e5.5	5.6
29	10	6.4	6.6	8.8	7.0	7.0	6.6	6.8	7.0	6.6	e5.5	7.6
30	8.1	6.6	6.6	7.3	---	7.0	6.8	6.6	7.3	6.6	e5.0	6.6
31	7.7	---	6.6	7.0	---	7.0	---	6.7	---	11	e5.0	---
TOTAL	249.5	241.5	202.4	224.1	201.8	244.8	226.0	210.8	221.3	263.4	209.3	188.3
MEAN	8.05	8.05	6.53	7.23	6.96	7.90	7.53	6.80	7.38	8.50	6.75	6.28
MAX	17	17	8.3	12	7.7	12	13	7.0	12	21	18	15
MIN	5.3	5.4	5.7	6.6	6.6	7.0	6.6	6.6	6.7	6.6	5.0	4.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

MEAN	8.29	9.17	9.20	9.15	9.31	9.92	9.68	9.17	8.49	8.41	8.53	8.32
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	1967	1967	1967	1968	1966	1966	1965	1966	1966	1966	1965

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

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	2459.0		2683.2			
ANNUAL MEAN	6.74		7.33		8.97	
HIGHEST ANNUAL MEAN					12.1	1984
LOWEST ANNUAL MEAN					5.59	1966
HIGHEST DAILY MEAN	23	Jul 18	21	Jul 14	105	Aug 12 1955
LOWEST DAILY MEAN	3.0	May 24	4.5	Sep 6	3.0	May 24 1995
ANNUAL SEVEN-DAY MINIMUM	4.0	May 19	4.7	Sep 5	3.7	Oct 7 1966
INSTANTANEOUS PEAK FLOW			31	Sep 17	137a	Sep 12 1960
INSTANTANEOUS PEAK STAGE			0.77b	Mar 20	4.85c	Sep 21 1938
INSTANTANEOUS LOW FLOW			4.5d	Sep 6	.09f	Dec 11 1941
10 PERCENT EXCEEDS	9.7		9.5		12	
50 PERCENT EXCEEDS	6.3		7.0		8.4	
90 PERCENT EXCEEDS	4.4		5.7		5.8	

a From rating curve extended above 70 ft^3/s.
b Result of high tide.
c From hurricane wave.
d Also occurred on Sep 7,8.
e Estimated
f Result of freezeup.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
23...	0910	9.2	145	7.0	13.5	777	8.4	10	4.4
FEB									
12...	1000	7.0	199	6.5	1.5	762	13.5	11	4.9
MAY									
22...	1020	7.0	249	7.9	26.0	760	7.8	12	5.7

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT									
23...	9.7	1.8	26	13	15	<0.10	9.1	0.012	0.490
FEB									
12...	20	1.4	25	16	31	<0.10	10	0.008	1.70
MAY									
22...	22	1.7	32	18	33	<0.10	4.5	0.010	0.300

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT									
23...	<0.015	0.20	0.069	<0.001	570	180	30	13	0.04
FEB									
12...	0.020	<0.20	0.022	0.004	400	100	40	29	<0.02
MAY									
22...	0.030	0.30	0.093	0.004	1000	150	70	6	0.03

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

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

DRAINAGE AREA.--About 7.3 mi^2.

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

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

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

REMARKS.--No estimated daily discharges. Records good except those above 100 ft^3/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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.65	.98	.86	.75	1.1	.86	.98	1.7	.75	.98	6.7	.75
2	.65	2.0	.79	.83	1.1	1.1	2.5	1.4	.75	.75	3.0	.75
3	.62	2.2	.80	1.1	1.4	1.2	1.8	1.4	2.4	1.4	2.2	.74
4	.66	1.5	.75	.99	1.2	.94	1.3	1.8	3.5	1.6	1.6	.67
5	1.1	1.1	.75	.84	1.0	.95	.98	1.6	1.8	1.3	1.3	.70
6	2.8	.92	.86	.74	.98	1.5	.86	1.4	1.3	1.0	1.1	.71
7	1.8	.98	.86	.86	.98	2.3	1.1	1.3	1.2	.95	.91	1.6
8	1.3	1.6	.76	2.2	.99	2.4	2.0	1.3	.98	.87	.86	1.4
9	.99	1.2	.98	1.3	1.3	1.6	1.8	1.3	.86	1.0	.75	1.2
10	.80	.96	1.3	1.0	1.2	1.2	2.6	1.3	.90	.92	.75	.89
11	.68	1.1	1.0	.86	1.1	1.0	2.2	1.3	.98	.85	.75	.77
12	.65	2.6	.81	1.2	1.1	.98	1.7	2.3	.88	.82	.68	.75
13	.68	1.9	.75	1.4	.93	.98	1.5	1.7	.85	4.0	1.2	.75
14	.94	1.6	.82	1.1	1.0	.98	1.4	1.3	.86	4.5	1.4	.86
15	2.6	2.8	.98	.93	1.1	1.0	1.1	1.1	.86	2.1	1.2	.75
16	1.6	1.7	.98	.86	1.1	1.1	12	1.4	.76	1.9	.87	.75
17	.98	1.3	.98	.89	1.3	1.1	5.3	2.1	.75	1.4	.75	2.2
18	.79	1.1	.87	.98	1.1	.98	2.6	1.8	.75	1.2	.75	3.3
19	.68	1.1	.98	2.0	1.0	.98	1.9	1.4	1.0	1.3	.75	2.2
20	.76	.98	1.4	3.5	1.1	2.0	1.6	1.3	1.9	1.0	.74	1.4
21	1.6	.98	1.2	2.2	2.0	1.6	1.4	1.2	1.8	.86	.65	1.0
22	2.4	.86	.98	1.4	2.2	1.3	1.3	1.0	1.2	.80	.67	1.1
23	1.4	.86	.86	1.2	1.6	.93	1.3	.92	.98	.83	.71	1.6
24	1.0	.86	.86	1.5	1.9	.78	1.2	.86	.90	.98	.86	1.3
25	.75	.86	.75	2.0	1.9	.81	1.1	.85	.86	.94	.86	1.1
26	.65	.75	.75	1.5	1.4	.75	1.1	.75	.82	1.1	.75	.98
27	.65	.75	.75	2.1	1.2	.68	1.2	.83	.71	1.1	.86	.86
28	1.4	.75	.75	3.5	1.1	.65	1.1	.86	.86	.75	1.1	.86
29	2.5	1.0	.75	2.1	.92	.98	1.2	.92	.75	.86	.98	1.3
30	1.7	1.0	.75	1.5	---	1.0	1.6	.86	.86	.86	.86	1.1
31	1.2	---	.75	1.3	---	.90	---	.86	---	4.8	.75	---
TOTAL	36.98	38.29	27.43	44.63	36.30	35.53	59.72	40.11	33.77	43.72	37.31	34.34
MEAN	1.19	1.28	.88	1.44	1.25	1.15	1.99	1.29	1.13	1.41	1.20	1.14
MAX	2.8	2.8	1.4	3.5	2.2	2.4	12	2.3	3.5	4.8	6.7	3.3
MIN	.62	.75	.75	.74	.92	.65	.86	.75	.71	.75	.65	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

MEAN	2.43	2.62	2.57	2.77	2.84	2.85	2.86	2.69	2.57	2.54	2.63	2.43
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

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	498.60		468.13			
ANNUAL MEAN	1.37		1.28		2.65	
HIGHEST ANNUAL MEAN					6.32	1979
LOWEST ANNUAL MEAN					.51	1967
HIGHEST DAILY MEAN	13	Jul 18	12	Apr 16	53	Jan 21 1979
LOWEST DAILY MEAN	.32	Sep 10	.62	Oct 3	.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	.33	Sep 9	.72	Aug 17	.22	Dec 3 1983
INSTANTANEOUS PEAK FLOW			22	Apr 16	181a	Jan 21 1979
INSTANTANEOUS PEAK STAGE			3.10c	Mar 19	5.34b	Aug 31 1954
INSTANTANEOUS LOW FLOW			.47	Jul 2	.20d	Jan 24 1967
10 PERCENT EXCEEDS	2.0		2.0		4.3	
50 PERCENT EXCEEDS	1.3		1.0		2.5	
90 PERCENT EXCEEDS	.65		.75		.86	

a Result of regulation, from rating curve extended above 70 ft^3/s.
b Backwater from high tide, from high water mark.
c Result of high tide.
d Also occurred on Jan 25,26,27, 1967.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT 23...	0830	3.9	85.8	6.5	14.0	778	8.8	5.1	2.0
FEB 12...	0820	4.0	92.4	6.4	4.5	764	10.0	5.0	2.1

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT 23...	8.5	1.1	17	2.7	13	<0.10	3.7	0.002	0.280
FEB 12...	8.9	1.0	14	4.6	14	<0.10	5.6	0.004	1.00

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT 23...	0.050	0.70	0.007	<0.001	750	530	30	34	0.02
FEB 12...	0.100	<0.20	0.019	0.009	1400	1100	40	37	<0.02

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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	28	31	30	37	37	39	51	40	40	48	32
2	26	36	30	31	37	39	51	48	39	39	45	32
3	26	37	30	33	40	38	46	50	53	38	43	31
4	26	34	30	32	38	37	42	54	60	38	40	32
5	32	30	29	30	37	38	39	50	50	38	38	32
6	44	28	30	30	36	44	38	49	45	37	38	32
7	36	30	30	30	36	48	40	48	42	35	36	34
8	31	34	30	35	36	48	46	48	41	35	35	34
9	28	31	35	33	38	43	44	47	40	36	35	34
10	27	30	40	32	38	40	53	45	42	35	36	33
11	27	31	35	31	38	39	52	46	42	35	35	32
12	27	46	32	35	38	38	49	52	41	36	35	32
13	27	41	31	43	37	38	47	48	40	61	42	37
14	27	35	31	38	37	38	44	46	39	72	42	39
15	30	46	33	35	37	39	42	44	38	55	38	35
16	28	41	33	33	36	41	93	48	38	47	36	33
17	27	35	33	34	38	39	96	54	37	43	35	51
18	27	33	32	35	36	38	70	51	38	39	34	69
19	27	34	32	48	36	39	57	48	41	40	34	57
20	27	34	35	60	36	45	52	46	58	38	33	48
21	32	32	33	48	44	42	49	44	63	37	33	42
22	37	31	31	41	45	40	48	43	53	37	33	44
23	32	31	31	38	42	38	47	42	46	39	34	47
24	30	31	31	39	49	38	47	41	43	40	35	43
25	28	31	30	42	48	37	47	41	40	38	34	43
26	27	30	30	39	44	37	47	40	38	38	33	39
27	27	30	30	43	41	37	47	40	38	37	33	38
28	36	30	30	50	39	37	46	41	37	36	33	37
29	36	32	30	43	37	39	47	41	37	36	33	40
30	31	31	30	40	---	40	51	40	38	36	32	38
31	29	---	30	38	---	39	---	40	---	41	32	---
TOTAL	921	1003	978	1169	1131	1230	1516	1426	1297	1252	1123	1170
MEAN	29.7	33.4	31.5	37.7	39.0	39.7	50.5	46.0	43.2	40.4	36.2	39.0
MAX	44	46	40	60	49	48	96	54	63	72	48	69
MIN	26	28	29	30	36	37	38	40	37	35	32	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	38.4	40.4	42.2	43.6	44.6	46.7	48.0	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	12198		14216			
ANNUAL MEAN	33.4		38.8		42.5	
HIGHEST ANNUAL MEAN					58.9	1991
LOWEST ANNUAL MEAN					27.0	1966
HIGHEST DAILY MEAN	52	Jan 8	96	Apr 17	334	Jan 22 1979
LOWEST DAILY MEAN	23	Sep 10	26	Oct 1	19	Jun 6 1967
ANNUAL SEVEN-DAY MINIMUM	24	Sep 6	28	Oct 9	21	Jul 31 1966
INSTANTANEOUS PEAK FLOW			119	Apr 16	952a	Jan 22 1979
INSTANTANEOUS PEAK STAGE			1.13	Apr 16	3.22	Jan 22 1979
INSTANTANEOUS LOW FLOW			26c	Oct 1	16b	Jun 5 1967
10 PERCENT EXCEEDS	40		48		56	
50 PERCENT EXCEEDS	34		38		41	
90 PERCENT EXCEEDS	26		30		31	

a Result of dam failure, from rating curve extended above 600 ft^3/s.
b Also occurred on Jun 6 1967.
c Also occurrred on Oct 2-5.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
DEC										
04...	1200	30	134	6.9	8.0	770	10.7	7.8	2.8	14
*04...	1445	30	155	7.4	8.0	--	11	6.2	2.5	14
FEB										
26...	1245	44	182	6.5	8.0	765	11.4	7.7	2.7	20
*26...	1500	42	194	--	8.0	--	10.8	6.7	2.9	21
MAY										
14...	1120	45	164	6.6	15.5	775	10.2	8.1	2.8	16
*14...	1430	45	155	7.6	16.5	--	9.6	7.6	2.8	19
AUG										
12...	1145	35	145	6.5	20.0	775	8.5	7.2	2.7	14
*12...	1445	35	149	7.1	20.0	--	7.2	8.2	3.3	15

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
DEC										
04...	1.9	19	11	19	<0.10	9.4	--	0.006	0.2	1.9
*04...	1.6	--	12	24	--	--	2.3	--	--	--
FEB										
26...	1.4	18	10	31	<0.10	8.7	--	0.009	<0.2	1.8
*26...	1.3	--	13	36	--	--	2.7	--	--	--
MAY										
14...	1.3	18	11	24	<0.10	7.1	--	0.008	0.3	1.7
*14...	1.4	--	5.0	26	--	--	1.8	--	--	--
AUG										
12...	0.90	18	10	20	<0.10	5.9	--	0.004	<0.2	1.6
*12...	0.98	--	11	22	--	--	1.8	--	--	--

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
DEC										
04...	--	0.06	0.3	0.012	0.003	--	--	--	--	--
*04...	0.04	--	--	--	--	<50	<20	<20	<50	<10
FEB										
26...	--	0.06	0.4	0.019	0.004	--	--	--	--	--
*26...	0.02	--	--	--	--	<50	<20	<20	<50	<10
MAY										
14...	--	0.04	0.3	0.015	0.003	--	--	--	--	--
*14...	<0.02	--	--	--	--	<50	<20	<20	20	<10
AUG										
12...	--	0.04	<0.2	0.009	<0.001	--	--	--	--	--
*12...	0.03	--	--	--	--	<50	<50	<20	<20	<20

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC										
04...	--	--	--	--	180	72	--	70	69	--
*04...	<20	<20	<20	<20	140	80	<20	60	50	<20
FEB										
26...	--	--	--	--	250	110	--	230	220	--
*26...	<20	<20	<20	<20	110	70	<20	50	50	<20
MAY										
14...	--	--	--	--	250	110	--	200	170	--
*14...	<20	<20	<20	<20	210	160	<20	60	100	<20
AUG										
12...	--	--	--	--	110	34	--	60	32	--
*12...	<20	<50	<20	<20	120	100	<20	70	60	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC									
04...	--	--	--	--	--	--	--	--	<0.02
*04...	<20	<20	<20	3600	50	<50	<20	<20	--
FEB									
26...	--	--	--	--	--	--	--	--	<0.02
*26...	<20	<20	<20	2500	60	<50	<20	<20	0.03
MAY									
14...	--	--	--	--	--	--	--	--	0.05
*14...	<20	<20	<20	--	60	<50	<20	<20	--
AUG									
12...	--	--	--	--	--	--	--	--	<0.02
*12...	<20	<50	<20	2500	--	<50	<20	<20	<0.02

01304500 PECONIC RIVER AT RIVERHEAD, NY

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

DRAINAGE AREA.--About 75 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	19	19	34	33	28	43	31	28	37	18
2	14	17	19	19	33	32	34	43	31	28	43	18
3	14	19	18	20	34	33	34	45	31	28	41	18
4	12	19	18	21	33	30	33	51	32	28	38	18
5	12	19	18	20	31	30	32	49	34	27	35	18
6	26	19	19	19	30	33	32	47	34	26	33	18
7	25	18	19	19	30	35	31	47	34	25	32	18
8	23	20	19	22	29	38	36	45	34	25	30	18
9	21	19	21	22	29	38	37	44	32	26	29	19
10	17	17	27	21	30	37	43	43	31	25	27	19
11	16	16	20	19	31	36	44	44	31	24	25	18
12	16	19	21	20	32	34	43	45	31	23	22	18
13	15	19	27	22	31	34	42	43	31	27	27	19
14	15	18	23	22	31	30	42	42	30	32	30	20
15	16	21	23	22	30	31	40	41	29	31	29	19
16	16	21	23	21	29	32	45	41	27	31	28	19
17	15	20	23	22	30	32	60	45	27	29	27	24
18	15	20	22	23	28	32	54	45	27	26	26	31
19	15	20	22	28	27	31	52	43	28	26	24	32
20	15	20	22	35	27	34	52	43	32	26	24	31
21	18	19	23	35	31	34	52	41	34	24	23	30
22	21	19	22	35	34	34	51	40	34	23	22	28
23	21	19	21	35	35	33	50	38	33	23	22	27
24	19	19	21	34	39	32	49	38	32	23	22	26
25	18	19	21	34	41	31	47	35	32	23	21	29
26	16	19	20	33	37	31	45	34	31	23	20	27
27	15	19	20	34	35	29	43	34	29	22	20	26
28	16	19	20	39	35	28	38	33	28	21	20	25
29	18	19	19	37	34	28	37	33	28	20	20	27
30	17	20	19	37	---	28	42	33	28	20	19	26
31	16	---	19	35	---	28	---	32	---	23	19	---
TOTAL	527	568	648	824	930	1001	1268	1280	926	786	835	684
MEAN	17.0	18.9	20.9	26.6	32.1	32.3	42.3	41.3	30.9	25.4	26.9	22.8
MAX	26	21	27	39	41	38	60	51	34	32	43	32
MIN	12	16	18	19	27	28	28	32	27	20	19	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

MEAN	26.2	30.5	34.4	38.7	42.1	47.8	50.9	45.9	39.7	30.1	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
(WY)	1990	1990	1984	1979	1979	1979	1984	1958	1984	1984	1989	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
(WY)	1967	1967	1967	1966	1967	1966	1966	1966	1986	1966	1966	1966

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1942 - 1996	
ANNUAL TOTAL	7551		10277			
ANNUAL MEAN	20.7		28.1		36.7	
HIGHEST ANNUAL MEAN					67.9	1984
LOWEST ANNUAL MEAN					16.1	1966
HIGHEST DAILY MEAN	37	Feb 7	60	Apr 17	173	Jan 27 1979
LOWEST DAILY MEAN	11	Aug 20	12	Oct 4	3.7	Aug 2 1944
ANNUAL SEVEN-DAY MINIMUM	11	Aug 20	15	Oct 13	5.8	Aug 9 1966
INSTANTANEOUS PEAK FLOW			70	Apr 17	225a	Jan 30 1978
INSTANTANEOUS PEAK STAGE			.70	Apr 17	2.33b	Dec 11 1992
INSTANTANEOUS LOW FLOW			1.8c	Dec 12	1.4d	Jan 9 1966
10 PERCENT EXCEEDS	30		42		62	
50 PERCENT EXCEEDS	20		28		32	
90 PERCENT EXCEEDS	14		18		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.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 04...	0845	18	134	6.6	6.0	10.4	7.4	2.6	10	1.4
FEB 26...	0915	37	114	--	5.0	11	5.9	2.2	9.7	1.3
MAY 13...	0930	43	106	6.4	14.0	8.4	5.8	2.1	11	1.4
AUG 12...	0900	22	107	6.1	24.0	6.6	4.0	2.3	11	1.1

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 04...	19	18	0.3	0.02	<50	<20	<20	<50	<10	<20
FEB 26...	19	16	0.3	<0.02	<50	<20	<20	<50	<10	<20
MAY 13...	11	16	<0.2	<0.02	<50	<20	<20	60	<10	<20
AUG 12...	9	15	<0.2	0.05	<50	<20	<20	20	<10	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 04...	<20	<20	<20	240	170	<20	30	30	<20
FEB 26...	<20	<20	<20	570	250	<20	140	130	<20
MAY 13...	<20	<20	<20	1100	760	<20	100	80	<20
AUG 12...	<20	<20	<20	700	450	<20	40	40	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 04...	<20	<20	<20	2900	40	<50	<20	<20	--
FEB 26...	<20	<20	<20	2800	30	<50	<20	<20	<0.02
MAY 13...	<20	<20	<20	3100	30	<50	<20	<20	--
AUG 12...	<20	<20	<20	--	30	<50	<20	<20	<0.02

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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 17.95 ft above 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	13	13	17	16	16	23	17	18	30	16
2	12	14	13	13	17	16	22	21	18	18	23	15
3	12	14	13	14	18	17	19	23	20	18	20	15
4	12	13	13	14	17	16	17	23	21	18	19	15
5	14	13	13	13	16	16	17	22	19	17	19	15
6	21	13	14	13	15	18	17	21	18	17	18	15
7	16	13	13	13	15	19	17	21	18	16	18	16
8	14	15	13	15	15	20	20	21	18	17	17	16
9	13	14	15	14	17	17	19	21	18	17	17	16
10	13	13	17	14	17	17	23	20	20	17	17	15
11	13	13	14	13	17	17	21	20	19	17	17	15
12	12	15	14	14	17	17	19	22	18	16	17	16
13	12	14	14	16	16	17	19	20	18	20	20	16
14	12	14	14	14	16	17	18	20	18	22	20	16
15	13	17	14	14	17	17	18	19	17	19	18	15
16	11	15	14	14	16	17	26	20	17	18	17	15
17	10	14	14	14	17	17	25	22	17	18	17	21
18	11	14	14	14	16	16	21	21	17	17	17	27
19	11	15	14	18	16	16	20	20	19	17	21	22
20	11	14	15	20	16	18	20	20	24	17	27	20
21	13	13	14	17	19	18	19	19	24	18	18	18
22	14	13	14	16	19	17	18	20	21	18	9.0	18
23	13	13	13	16	18	17	19	19	20	18	13	19
24	11	13	13	16	20	17	20	19	19	18	16	18
25	12	13	13	17	19	16	20	19	19	17	16	22
26	12	13	13	16	17	16	20	18	18	17	16	19
27	11	13	13	18	16	16	20	18	18	17	16	18
28	14	13	13	20	16	16	20	18	18	17	16	17
29	13	14	13	18	16	17	20	18	18	17	16	19
30	12	14	13	17	---	17	21	18	17	16	16	18
31	12	---	13	17	---	17	---	18	---	22	16	---
TOTAL	392	411	423	475	488	525	591	624	563	549	557.0	523
MEAN	12.6	13.7	13.6	15.3	16.8	16.9	19.7	20.1	18.8	17.7	18.0	17.4
MAX	21	17	17	20	20	20	26	23	24	22	30	27
MIN	10	12	13	13	15	16	16	18	17	16	9.0	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

MEAN	21.8	22.1	22.6	23.4	24.5	25.8	26.8	26.2	25.0	23.3	22.9	21.9
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1942 - 1996	
ANNUAL TOTAL	5444		6121.0			
ANNUAL MEAN	14.9		16.7		23.9	
HIGHEST ANNUAL MEAN					37.7	1979
LOWEST ANNUAL MEAN					12.9	1967
HIGHEST DAILY MEAN	24	Mar 9	30	Aug 1	84	Jan 26 1978
LOWEST DAILY MEAN	10	Jun 28	9.0	Aug 22	6.2ab	Feb 28 1967
ANNUAL SEVEN-DAY MINIMUM	11	Jun 23	11	Oct 14	7.4	Feb 25 1967
INSTANTANEOUS PEAK FLOW			45	Aug 1	143c	Aug 11 1989
INSTANTANEOUS PEAK STAGE			1.51	Aug 1	2.09	Aug 11 1989
INSTANTANEOUS LOW FLOW			7.0d	Dec 11	2.8b	Feb 24 1967
10 PERCENT EXCEEDS	18		20		34	
50 PERCENT EXCEEDS	14		17		23	
90 PERCENT EXCEEDS	11		13		16	

a Also occurred on Mar 3 1967.
b Result of temporary construction upstream.
c From rating curve extended above 80 ft^3/s.
d Result of freezeup.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
DEC										
04...	0950	13	145	6.5	7.5	770	10.5	8.6	3.4	13
*04...	1030	13	151	6.7	8.0	--	9.8	7.2	3.0	12
FEB										
26...	1025	17	132	6.7	7.5	765	11.8	7.7	3.0	11
*26...	1045	17	140	--	8.0	--	10	7.0	3.2	12
MAY										
14...	0910	20	144	6.6	13.5	775	9.3	8.3	3.2	13
*14...	0915	20	145	7.7	13.0	--	7.8	8.7	3.5	14
AUG										
12...	0920	17	150	6.2	20.0	770	8.2	8.6	3.3	13
*12...	1000	17	148	6.2	20.0	--	7.8	5.0	3.6	14

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
DEC										
04...	1.1	18	12	19	<0.10	13	--	<0.001	<0.2	1.6
*04...	1.1	--	14	21	--	--	1.7	--	--	--
FEB										
26...	1.0	17	11	18	<0.10	12	--	0.002	<0.2	1.3
*26...	1.1	--	15	19	--	--	1.4	--	--	--
MAY										
14...	0.90	18	13	19	<0.10	9.9	--	0.004	0.3	1.1
*14...	1.2	--	15	20	--	--	1.1	--	--	--
AUG										
12...	0.90	20	13	20	<0.10	9.6	--	0.004	<0.2	1.1
*12...	1.1	--	14	20	--	--	1.1	--	--	--

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
DEC										
04...	--	0.02	<0.2	0.010	0.001	--	--	--	--	--
*04...	<0.02	--	--	--	--	<50	<20	<20	<50	<10
FEB										
26...	--	<0.015	0.3	0.048	0.004	--	--	--	--	--
*26...	<0.02	--	--	--	--	<50	<20	<20	<50	<10
MAY										
14...	--	0.05	0.3	0.023	0.006	--	--	--	--	--
*14...	<0.02	--	--	--	--	<50	<20	<20	30	<10
AUG										
12...	--	0.04	<0.2	0.014	0.004	--	--	--	--	--
*12...	<0.02	--	--	--	--	<50	<20	<20	30	<10

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC										
04...	--	--	--	--	280	130	--	80	86	--
*04...	<20	<20	<20	<20	780	160	<20	100	70	<20
FEB										
26...	--	--	--	--	490	150	--	70	66	--
*26...	<20	<20	<20	<20	280	170	<20	70	60	<20
MAY										
14...	--	--	--	--	610	250	--	90	77	--
*14...	<20	<20	<20	<20	1200	330	<20	90	80	<20
AUG										
12...	--	--	--	--	290	150	--	60	59	--
*12...	<20	<20	<20	<20	260	170	<20	50	40	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC									
04...	--	--	--	--	--	--	--	--	<0.02
*04...	<20	<20	<20	5300	30	<50	<20	<20	--
FEB									
26...	--	--	--	--	--	--	--	--	0.02
*26...	<20	<20	<20	5300	40	<50	<20	<20	0.04
MAY									
14...	--	--	--	--	--	--	--	--	0.02
*14...	<20	<20	<20	--	40	<50	<20	<20	--
AUG									
12...	--	--	--	--	--	--	--	--	<0.02
*12...	<20	<20	<20	--	<20	<50	<20	<20	<0.02

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

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

DRAINAGE AREA.--About 8.8 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	7.7	9.7	9.0	10	10	11	10	10	10	17	10
2	7.6	9.8	9.3	9.2	10	10	11	10	10	10	15	10
3	7.3	8.4	9.0	9.7	10	9.9	10	11	12	9.4	13	11
4	7.3	7.8	9.4	9.2	10	10	10	10	11	10	12	10
5	14	7.7	9.1	8.5	10	10	10	10	10	10	12	10
6	17	7.6	10	8.5	10	9.8	9.9	10	10	10	12	10
7	11	8.8	9.5	8.8	10	9.8	10	10	10	9.5	12	10
8	8.5	9.9	9.4	10	10	9.8	10	10	10	10	12	10
9	8.5	8.3	11	8.1	9.9	10	10	10	10	10	12	10
10	8.5	7.5	10	7.7	9.8	10	10	10	11	10	11	10
11	8.2	7.4	9.6	7.5	9.8	10	10	10	10	10	11	9.8
12	7.7	10	9.1	8.7	9.8	10	10	10	10	10	11	10
13	8.2	9.2	9.0	10	9.8	10	10	10	10	12	14	10
14	8.1	9.4	9.4	8.9	9.8	10	10	10	8.9	10	13	10
15	9.8	13	9.8	8.5	9.8	10	10	10	9.8	10	13	9.9
16	8.6	9.2	9.0	8.3	9.8	9.8	13	10	10	10	12	9.8
17	8.2	8.5	8.9	9.7	9.8	10	10	10	11	10	12	16
18	8.1	8.6	8.9	9.6	10	10	10	10	11	9.9	11	16
19	8.1	9.4	8.9	11	10	10	10	10	12	10	11	12
20	8.1	8.5	9.6	10	10	9.6	10	10	11	10	11	11
21	9.7	8.5	9.0	10	9.7	9.8	10	10	11	9.8	11	11
22	9.7	9.0	8.8	10	10	9.8	10	10	10	9.8	11	12
23	8.2	9.0	8.5	10	10	9.8	10	11	10	10	11	12
24	8.0	9.8	8.5	10	10	9.8	10	10	10	10	11	12
25	7.9	9.0	8.5	10	10	9.8	10	10	10	10	11	14
26	7.8	9.0	8.5	10	10	10	10	10	10	10	11	11
27	7.7	9.0	8.5	11	10	10	10	10	10	10	11	11
28	9.9	8.9	8.5	10	10	10	10	11	10	10	11	11
29	9.2	10	8.8	10	10	9.7	10	10	10	9.5	11	12
30	8.3	9.6	9.0	10	---	9.8	10	10	10	10	11	11
31	8.1	---	9.0	10	---	9.8	---	10	---	14	10	---
TOTAL	274.6	268.5	284.2	291.9	288.0	307.0	304.9	313	308.7	313.9	367	332.5
MEAN	8.86	8.95	9.17	9.42	9.93	9.90	10.2	10.1	10.3	10.1	11.8	11.1
MAX	17	13	11	11	10	10	13	11	12	14	17	16
MIN	7.3	7.4	8.5	7.5	9.7	9.6	9.9	10	8.9	9.4	10	9.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1996, BY WATER YEAR (WY)

MEAN	11.2	11.4	11.6	12.1	12.5	13.3	14.0	13.7	13.1	12.1	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1947 - 1996	
ANNUAL TOTAL	3164.3		3654.2			
ANNUAL MEAN	8.67		9.98		12.3	
HIGHEST ANNUAL MEAN					18.5	1984
LOWEST ANNUAL MEAN					8.59	1995
HIGHEST DAILY MEAN	17	Sep 17	17	Oct 6	40	Jan 26 1978
LOWEST DAILY MEAN	4.2	Jul 5	7.3	Oct 1	4.2	Jul 5 1995
ANNUAL SEVEN-DAY MINIMUM	5.5	Aug 18	8.2	Oct 31	5.5	Aug 18 1995
INSTANTANEOUS PEAK FLOW			35	Sep 17	77a	Aug 24 1990
INSTANTANEOUS PEAK STAGE			1.66	Sep 17	2.71	Aug 24 1990
INSTANTANEOUS LOW FLOW			1.6b	Nov 6	.06b	Sep 2 1964
10 PERCENT EXCEEDS	10		11		16	
50 PERCENT EXCEEDS	9.0		10		12	
90 PERCENT EXCEEDS	6.2		8.5		8.9	

a From rating curve extended above 55 ft^3/s.
b Result of regulation.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC										
04...	1130	9.0	155	6.9	8.5	10.6	6.8	2.3	14	1.5
FEB										
26...	1150	10	159	--	8.0	11.4	7.0	2.6	15	1.5
MAY										
13...	1100	10	155	6.4	13.5	10.6	7.5	2.8	16	1.7
AUG										
12...	1130	11	158	6.9	20.0	11	8.8	3.0	15	1.2

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC										
04...	12	22	2.5	0.16	<50	<20	<20	<50	<10	<20
FEB										
26...	13	22	2.6	0.10	<50	<20	<20	<50	<10	<20
MAY										
13...	12	24	2.1	<0.02	<50	<20	<20	30	<10	<20
AUG										
12...	14	23	2.2	<0.02	<50	<50	<20	<20	<20	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC									
04...	<20	<20	<20	100	60	<20	70	60	<20
FEB									
26...	<20	<20	<20	150	80	<20	110	100	<20
MAY									
13...	<20	<20	<20	290	230	<20	160	150	<20
AUG									
12...	<50	<20	<20	160	140	<20	30	30	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC									
04...	<20	<20	<20	5000	40	<50	<20	<20	--
FEB									
26...	<20	<20	<20	5300	40	<50	<20	<20	0.05
MAY									
13...	<20	<20	<20	5200	40	<50	<20	<20	--
AUG									
12...	<20	<50	<20	4600	--	<50	<20	<20	<0.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

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

DRAINAGE AREA.--About 13.5 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC 04...	1215	223	7.0	6.5	11	9.9	3.2	20	2.9	14
FEB 26...	1230	252	--	7.0	11	9.9	3.6	25	3.1	14
MAY 13...	1145	231	6.9	15.0	9.0	10	3.6	25	3.3	14
AUG 12...	1215	229	7.2	24.0	7.8	13	4.1	23	3.0	13

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
DEC 04...	34	2.9	0.34	<50	<20	<20	<50	<10	<20
FEB 26...	41	2.8	0.51	<50	<20	<20	<50	<10	<20
MAY 13...	37	2.5	0.16	<50	<20	<20	30	<10	<20
AUG 12...	37	2.0	0.06	<50	<50	<20	<20	<20	<20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
DEC 04...	<20	<20	<20	410	280	<20	140	120	<20
FEB 26...	<20	<20	<20	440	260	<20	400	350	<20
MAY 13...	<20	<20	<20	530	380	<20	420	400	<20
AUG 12...	<50	<20	<20	390	210	<20	200	150	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILICON DISSOLVED (UG/L AS SI) (01140)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	TITANIUM DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
DEC 04...	<20	<20	<20	5200	60	<50	<20	<20	--
FEB 26...	<20	<20	<20	4700	60	<50	<20	<20	0.03
MAY 13...	<20	<20	<20	4400	70	<50	<20	<20	--
AUG 12...	<20	<50	<20	3900	--	<50	<20	<20	<0.02

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 12 mi^2.

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	1.0	1.8	1.7	3.0	3.1	3.5	6.2	4.4	4.4	6.1	3.2
2	.78	1.7	1.8	1.8	3.0	3.0	4.7	5.8	4.4	4.4	5.0	3.1
3	.78	1.2	1.8	1.9	2.9	3.0	4.0	6.5	6.7	4.4	4.6	3.1
4	.78	1.2	1.8	1.6	2.8	2.8	3.9	6.5	6.1	4.4	4.4	3.1
5	1.5	1.2	1.7	1.5	2.7	3.0	3.7	6.1	5.4	4.4	4.2	3.0
6	1.6	1.2	1.9	1.3	2.6	3.8	3.6	6.1	5.2	4.4	4.0	3.0
7	1.3	1.4	1.8	1.3	2.6	4.1	3.8	5.9	5.0	4.3	3.7	3.1
8	1.2	1.4	1.7	1.3	2.6	3.9	4.2	6.1	4.9	4.0	3.7	3.2
9	1.1	1.3	2.5	1.3	3.0	3.6	4.1	5.9	4.7	3.9	3.5	3.1
10	.99	1.3	2.4	1.1	3.0	3.5	5.0	5.9	5.7	3.6	3.5	2.9
11	.90	1.3	2.1	.95	3.0	3.5	5.0	6.0	5.3	3.4	3.2	2.8
12	.86	3.4	2.0	1.8	2.9	3.5	5.2	6.5	5.1	3.3	3.2	2.8
13	.81	2.1	2.0	2.4	2.8	3.5	5.0	5.9	4.9	6.8	4.4	3.2
14	.81	2.6	2.1	2.1	2.9	3.5	4.9	5.6	4.6	5.6	4.4	3.1
15	.97	2.8	2.2	2.0	2.8	3.6	4.8	5.6	4.4	4.9	4.3	2.8
16	.82	2.4	2.1	2.0	2.6	3.7	11	6.3	4.4	4.6	4.1	2.7
17	.78	2.3	2.1	2.1	2.6	3.5	8.5	6.6	4.4	4.3	3.9	4.7
18	.78	2.3	2.1	2.2	2.7	3.5	7.5	6.2	4.4	4.1	3.9	4.7
19	.78	2.4	2.0	3.9	2.7	3.7	7.1	5.9	5.0	4.2	3.9	3.7
20	.78	2.1	2.1	3.9	2.7	4.1	6.9	5.6	6.3	4.2	3.8	3.3
21	1.2	2.1	2.1	3.4	3.8	3.8	6.5	5.6	5.9	3.9	3.5	3.3
22	1.1	2.0	2.1	3.2	3.6	3.7	6.2	5.4	5.3	3.7	3.5	3.4
23	.97	2.0	2.1	3.0	3.5	3.5	6.1	5.2	5.0	3.6	3.5	3.4
24	.95	2.0	2.1	3.2	4.4	3.3	6.0	5.1	4.8	3.6	3.5	3.6
25	.94	2.0	2.0	3.0	3.8	3.3	5.9	4.9	4.7	3.5	3.4	4.1
26	.86	1.9	2.0	2.8	3.6	3.3	5.9	4.8	4.5	3.5	3.4	3.4
27	.82	1.8	2.0	3.8	3.4	3.3	5.8	4.8	4.4	3.5	3.3	3.3
28	1.6	1.8	2.0	3.7	3.3	3.3	5.6	4.8	4.4	3.5	3.3	3.3
29	1.1	1.8	1.8	3.3	3.2	3.6	5.9	4.8	4.4	3.3	3.3	3.7
30	1.1	1.8	1.5	3.2	---	3.6	6.1	4.7	4.4	3.3	3.3	3.4
31	1.1	---	1.6	3.2	---	3.5	---	4.5	---	6.4	3.3	---
TOTAL	30.84	55.8	61.3	73.95	88.5	108.1	166.4	175.8	149.1	129.4	119.1	99.5
MEAN	.99	1.86	1.98	2.39	3.05	3.49	5.55	5.67	4.97	4.17	3.84	3.32
MAX	1.6	3.4	2.5	3.9	4.4	4.1	11	6.6	6.7	6.8	6.1	4.7
MIN	.78	1.0	1.5	.95	2.6	2.8	3.5	4.5	4.4	3.3	3.2	2.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1996, BY WATER YEAR (WY)

MEAN	5.22	5.53	6.01	5.73	5.98	6.80	8.06	7.66	7.55	5.86	5.58	5.07
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	1.98	2.16	2.53	2.67	1.95	2.33	1.99	.94	.62	.55
(WY)	1989	1982	1996	1989	1989	1995	1995	1995	1988	1988	1988	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1978 - 1996		
ANNUAL TOTAL	683.47		1257.79				
ANNUAL MEAN	1.87		3.44		6.10		
HIGHEST ANNUAL MEAN					12.3		1984
LOWEST ANNUAL MEAN					2.17		1995
HIGHEST DAILY MEAN	4.5	Jan 7	11	Apr 16	27	Jun 2	1984
LOWEST DAILY MEAN	.30	Sep 4	.78	Oct 1	.30a	Sep 4	1995
ANNUAL SEVEN-DAY MINIMUM	.30	Sep 4	.82	Oct 14	.30	Sep 4	1995
INSTANTANEOUS PEAK FLOW			18	Apr 16	40	Aug 4	1979
INSTANTANEOUS PEAK STAGE			.93	Apr 16	1.56	Aug 4	1979
INSTANTANEOUS LOW FLOW			.78c	Oct 1	.30b	Sep 3	1995
10 PERCENT EXCEEDS	3.2		5.8		13		
50 PERCENT EXCEEDS	2.0		3.4		5.0		
90 PERCENT EXCEEDS	.69		1.3		2.0		

a Also occurred on Sep 5-13,16, 1995.
b Also occurred on all or part of each day Sep 4-17, 1995.
c Also occurred on Oct 2-5,13,14,16-21.

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 18 mi^2.

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

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

REMARKS.--Records good except those for estimated period, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	17	19	20	23	e22	e25	e22	e24	e35	18
2	14	19	17	20	19	23	e25	e25	e22	e24	e25	18
3	14	17	17	20	21	22	e23	e25	e35	e23	e24	18
4	14	16	17	18	22	21	e22	e27	32	e23	e23	18
5	16	16	17	18	24	22	e22	e26	28	e23	e22	18
6	17	15	18	18	25	27	e21	e25	e26	e22	e22	18
7	14	16	17	18	25	28	e22	e25	e25	e22	e21	18
8	14	18	18	18	24	28	e22	e25	e24	e22	e21	18
9	13	17	21	20	26	26	e23	e25	e23	e21	e20	18
10	13	17	19	22	26	26	e23	e25	e25	e21	e20	18
11	13	17	18	22	26	25	e24	e25	e24	e21	e20	18
12	13	28	17	27	26	24	e25	e27	e24	e20	e20	18
13	13	21	17	29	24	24	e24	e25	e23	e40	e25	18
14	13	23	17	27	24	23	e24	e25	e23	e30	24	18
15	14	26	18	26	24	21	e23	e25	e23	e28	23	18
16	14	23	18	26	23	21	e50	e25	e22	e25	23	18
17	14	22	18	27	22	20	e40	e27	e22	e24	22	29
18	14	21	18	27	22	20	e35	e25	e22	e23	21	31
19	13	21	18	36	21	20	e30	e25	e25	e22	20	26
20	13	20	18	40	22	24	e28	e25	e30	e22	19	23
21	15	19	18	35	27	22	e27	e25	e28	e22	19	21
22	15	19	18	32	27	21	e26	e24	e26	e22	19	21
23	14	19	18	26	26	21	e26	e24	e26	e22	19	21
24	14	19	18	21	29	20	e26	e24	e26	e21	19	21
25	13	19	18	20	28	20	e26	e24	e25	e21	19	27
26	13	18	18	19	26	20	e26	e23	e25	e21	19	24
27	13	18	18	23	26	e23	e25	e23	e25	e21	19	22
28	18	18	18	25	25	e25	e25	e23	e25	e21	19	21
29	16	19	19	21	24	e23	e25	e23	e24	e20	19	21
30	15	18	19	21	---	e22	e26	e22	e24	e20	19	21
31	15	---	19	20	---	e22	---	e22	---	e40	18	---
TOTAL	438	574	556	741	704	707	786	764	754	731	658	617
MEAN	14.1	19.1	17.9	23.9	24.3	22.8	26.2	24.6	25.1	23.6	21.2	20.6
MAX	18	28	21	40	29	28	50	27	35	40	35	31
MIN	13	15	17	18	19	20	21	22	22	20	18	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1996, BY WATER YEAR (WY)

MEAN	23.0	24.7	27.5	27.8	28.1	30.5	32.6	30.3	29.5	25.0	24.5	22.3
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
(WY)	1991	1990	1990	1979	1979	1979	1983	1979	1984	1984	1979	1984
MIN	13.0	17.1	17.9	17.8	17.4	15.5	15.5	15.7	15.1	13.5	11.5	12.3
(WY)	1989	1988	1996	1995	1995	1995	1995	1995	1995	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1978 - 1996	
ANNUAL TOTAL	5662		8030			
ANNUAL MEAN	15.5		21.9		26.8	
HIGHEST ANNUAL MEAN					39.8	1979
LOWEST ANNUAL MEAN					15.5	1995
HIGHEST DAILY MEAN	28	Nov 12	50	Apr 16	85	Jan 21 1979
LOWEST DAILY MEAN	11	Aug 4	13	Oct 9	11	Aug 7 1988
ANNUAL SEVEN-DAY MINIMUM	11	Sep 2	13	Oct 8	11	Aug 7 1988
INSTANTANEOUS PEAK FLOW			60a	Apr 16	154	Aug 19 1991
INSTANTANEOUS PEAK STAGE			Unknown		2.82	Aug 19 1991
INSTANTANEOUS LOW FLOW			13b	Oct 9	11c	Aug 7 1988
10 PERCENT EXCEEDS	18		27		40	
50 PERCENT EXCEEDS	15		22		26	
90 PERCENT EXCEEDS	12		17		16	

a Estimated, on basis of runoff comparisons with nearby stations.
b Also occurred on Oct 10-14,19,20,25-27.
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

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 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft 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.--Records fair except those for estimated periods, which are poor. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	24	32	29	32	31	34	47	37	36	60	32
2	24	32	26	30	32	33	45	42	35	35	e52	35
3	23	33	25	34	33	34	39	46	44	36	e49	32
4	25	30	27	31	32	30	36	48	50	36	e42	32
5	30	25	27	28	32	30	35	44	42	34	e35	31
6	40	24	29	26	31	36	36	44	38	32	e31	27
7	32	31	26	28	e31	41	38	41	37	30	e31	29
8	29	36	25	e37	e31	40	43	42	37	32	e31	34
9	25	27	31	e33	e31	35	43	41	35	33	e31	32
10	24	25	37	e32	e33	33	48	41	39	30	e31	32
11	22	28	29	e29	e33	33	45	38	38	27	e32	30
12	20	55	28	e33	e33	33	45	48	36	25	e31	28
13	18	36	27	e40	e31	35	45	41	36	47	e37	33
14	22	40	28	e37	e31	35	42	39	35	51	e37	34
15	28	69	31	e35	e31	36	41	38	34	40	36	32
16	18	40	32	e33	e31	36	81	43	31	39	34	29
17	15	35	31	e34	e31	34	72	48	30	34	35	46
18	17	32	28	e36	e31	33	54	44	31	32	34	48
19	22	35	30	e44	e30	34	49	44	37	35	31	40
20	23	32	35	e45	e31	42	48	43	49	33	30	37
21	29	34	32	e39	e35	40	46	43	46	29	31	33
22	35	34	25	e37	e37	37	43	42	43	30	32	34
23	26	32	29	e35	e35	34	44	40	40	33	34	37
24	24	31	30	e35	e36	35	44	38	37	34	32	37
25	24	30	30	e35	e34	33	43	35	36	34	31	43
26	23	30	29	e33	32	34	47	35	31	34	32	34
27	24	30	28	e36	33	30	44	36	31	33	32	32
28	33	29	28	e38	35	30	39	37	31	29	29	33
29	35	28	29	e34	35	34	41	39	31	29	33	35
30	22	30	27	e34	---	34	45	39	34	30	32	29
31	20	---	27	33	---	34	---	38	---	49	31	---
TOTAL	776	997	898	1063	943	1069	1355	1284	1111	1061	1079	1020
MEAN	25.0	33.2	29.0	34.3	32.5	34.5	45.2	41.4	37.0	34.2	34.8	34.0
MAX	40	69	37	45	37	42	81	48	50	51	60	48
MIN	15	24	25	26	30	30	34	35	30	25	29	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	33.6	36.1	38.2	39.2	40.3	43.4	44.2	42.0	39.9	35.8	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
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

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	10685		12656			
ANNUAL MEAN	29.3		34.6		38.3	
HIGHEST ANNUAL MEAN					52.5	1984
LOWEST ANNUAL MEAN					24.9	1966
HIGHEST DAILY MEAN	69	Nov 15	81	Apr 16	263	Oct 16 1955
LOWEST DAILY MEAN	14	Aug 25	15	Oct 17	9.3a	Nov 25 1982
ANNUAL SEVEN-DAY MINIMUM	18	Aug 22	20	Oct 12	13	Nov 22 1982
10 PERCENT EXCEEDS	36		44		52	
50 PERCENT EXCEEDS	30		34		37	
90 PERCENT EXCEEDS	22		27		27	

a Result of regulation.
e Estimated.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 05...	0845	9.5	134	--	6.0	9.4	6.7	3.1	9.3	1.4
FEB 26...	1330	13	134	--	9.0	11.4	6.6	3.4	10	1.4
MAY 13...	1400	19	132	7.6	15.0	9.4	6.8	3.3	11	1.4
AUG 19...	0845	12	138	6.0	19.0	7.5	8.0	3.5	10	1.3

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 05...	11	16	2.4	0.09	<50	<20	<20	<50	<10	<20
FEB 26...	<4	16	2.3	0.03	<50	<20	<20	<50	<10	<20
MAY 13...	<4	16	2.0	<0.02	<50	<20	<20	<20	<10	<20
AUG 19...	9	15	2.2	<0.02	<20	<20	<20	20	<10	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	160	90	<20	80	50	<20
FEB 26...	<20	<20	<20	160	100	<20	130	110	<20
MAY 13...	<20	<20	<20	190	150	<20	70	70	<20
AUG 19...	<20	<20	<20	150	100	<20	70	40	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	5400	50	<50	<20	<20	--
FEB 26...	<20	<20	<20	5000	50	<50	<20	<20	0.04
MAY 13...	<20	<20	<20	3900	50	<50	<20	<20	--
AUG 19...	<20	<20	<20	5900	60	<50	<20	<20	<0.02

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 04...	1315	18	139	7.2	9.0	9.4	7.4	3.2	9.5	1.4
FEB 27...	0900	19	140	6.3	6.0	9.6	7.0	3.7	11	1.4
MAY 13...	1315	22	140	6.5	13.0	10.4	7.3	3.7	11.5	1.6
AUG 12...	1345	18	143	7.4	18.0	11.4	9.1	4.2	11	1.4

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 04...	12	16	2.5	0.10	<50	<20	<20	<50	<10	<20
FEB 27...	8	16	2.5	0.07	<50	<20	<20	<50	<10	<20
MAY 13...	<4	17	2.3	<0.02	<50	<20	<20	20	<10	<20
AUG 12...	12	16	2.2	<0.02	<50	<50	<20	20	<20	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 04...	<20	<20	<20	190	90	<20	110	90	<20
FEB 27...	<20	<20	<20	140	80	<20	150	130	<20
MAY 13...	<20	<20	<20	170	140	<20	90	100	<20
AUG 12...	<50	<20	<20	140	130	<20	90	100	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 04...	<20	<20	<20	5500	50	<50	<20	<20	--
FEB 27...	<20	<20	<20	5300	50	<50	<20	<20	0.04
MAY 13...	<20	<20	<20	4700	50	<50	<20	<20	--
AUG 12...	<20	<50	<20	5700	--	<50	<20	<20	<0.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

LOCATION.--Lat 40°44'13", long 73°12'08", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Long Island Railroad bridge, 220 ft downstream from Moffit Boulevard, at Islip, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--About 6.5 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC 05...	0930	393	--	8.0	6.2	14	3.9	41	2.1	20
FEB 27...	1000	411	6.2	9.0	7.2	14	4.5	48	2.3	20
MAY 13...	1445	376	6.6	15.0	10.4	15	4.0	46	3.1	22
AUG 19...	0930	383	6.2	15.5	5.0	14	4.4	43	2.2	17

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
DEC 05...	84	2.5	0.35	<50	<20	<20	<50	<10	<20
FEB 27...	85	2.9	0.37	<50	<20	<20	<50	<10	<20
MAY 13...	77	2.6	0.25	<50	<20	<20	40	<10	<20
AUG 19...	79	2.8	0.14	<20	<20	<20	40	<10	<20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	300	140	<20	620	590	<20
FEB 27...	<20	<20	<20	290	200	<20	480	450	<20
MAY 13...	<20	<20	<20	620	190	<20	70	70	<20
AUG 19...	<20	<20	<20	150	100	<20	380	390	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILICON DISSOLVED (UG/L AS SI) (01140)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	TITANIUM DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	4900	110	<50	<20	<20	--
FEB 27...	<20	<20	<20	5000	110	<50	<20	<20	0.04
MAY 13...	<20	<20	<20	5400	120	<50	<20	<20	--
AUG 19...	<20	<20	<20	6100	120	<50	<20	<20	<0.02

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

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

DRAINAGE AREA.--About 5 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC 05...	1015	356	--	8.0	8.2	15	3.4	37	2.5	25
FEB 27...	1045	385	6.5	9.0	9.4	15	4.0	43	2.6	25
MAY 14...	1045	374	6.5	13.0	9.8	18	4.1	43	2.9	23
AUG 19...	1030	388	6.5	17.0	7.2	17	3.8	43	2.7	20

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
DEC 05...	68	2.8	0.30	<50	<20	<20	<50	<10	<20
FEB 27...	74	3.3	0.24	<50	<20	<20	<50	<10	<20
MAY 14...	73	3.0	0.20	<50	<20	<20	50	<10	<20
AUG 19...	76	3.0	0.11	<20	<20	<20	<40	<10	<20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	780	240	<20	1140	1000	<20
FEB 27...	<20	<20	<20	340	240	<20	810	790	<20
MAY 14...	<20	<20	<20	370	240	<20	790	800	<20
AUG 19...	<20	<20	<20	470	160	<20	830	730	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILICON DISSOLVED (UG/L AS SI) (01140)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	TITANIUM DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	4600	100	<50	<20	<20	--
FEB 27...	<20	<20	<20	4600	100	<50	<20	<20	0.05
MAY 14...	<20	<20	<20	--	120	<50	<20	<20	--
AUG 19...	<20	<20	<20	5400	110	<50	<20	<20	<0.02

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 mi^2.

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.--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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 16	1200	103	1.68	Jul. 31	Unknown	*114	*1.81
Jun. 3	1215	95	1.57	Sep. 17	0630	104	1.69
Jun. 20	1600	89	1.51	Sep. 24	2330	95	1.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.0	4.1	3.0	7.2	7.8	12	12	8.4	7.2	18	4.6
2	2.8	11	3.7	4.2	6.8	8.0	20	10	8.4	6.8	7.3	4.1
3	2.7	3.7	3.4	4.7	6.6	7.4	10	18	30	6.8	6.8	3.6
4	2.7	2.8	3.3	3.5	6.4	6.4	9.8	14	16	6.4	6.4	3.8
5	14	2.4	2.9	3.4	6.4	7.5	9.6	12	11	6.1	6.4	3.6
6	9.8	2.2	4.5	3.7	6.3	12	9.4	11	8.8	6.1	6.2	3.8
7	4.1	6.5	3.4	4.3	5.7	12	12	9.8	7.7	6.1	6.1	5.2
8	3.7	4.8	2.8	5.3	6.0	9.5	12	13	7.1	6.4	6.1	4.4
9	3.2	2.6	12	4.7	8.9	7.9	9.2	10	6.8	6.1	6.2	4.1
10	3.0	2.3	7.6	4.5	6.3	7.7	17	10	6.8	5.7	6.2	3.6
11	2.9	3.2	5.1	4.1	6.4	8.0	13	13	6.8	5.4	6.1	3.4
12	2.9	14	4.5	12	5.8	8.4	12	17	6.8	5.4	6.5	4.1
13	2.8	3.3	4.3	8.6	5.7	8.3	9.9	11	6.6	26	15	10
14	2.3	11	6.9	5.3	6.9	8.0	9.4	9.3	6.2	8.4	6.1	4.5
15	4.4	9.4	6.3	4.7	5.8	9.0	8.8	8.7	5.9	8.4	5.7	3.6
16	1.9	4.5	5.4	4.4	5.9	8.6	49	14	5.7	8.8	5.7	3.5
17	1.4	4.1	4.8	7.6	5.9	8.0	21	13	5.7	7.2	5.7	30
18	1.4	4.0	4.7	6.8	5.6	8.0	13	11	6.3	6.4	5.6	12
19	1.5	6.8	5.0	23	5.4	10	11	10	20	8.0	5.4	6.1
20	1.4	4.2	5.4	7.2	7.8	14	10	10	29	6.4	5.2	5.2
21	11	4.3	5.0	5.7	12	9.0	10	9.9	17	6.1	5.6	5.0
22	3.1	4.0	4.4	5.4	7.9	8.6	10	9.5	13	6.1	5.6	11
23	1.9	3.8	3.8	5.4	7.6	8.0	10	9.0	11	9.8	7.5	7.0
24	1.7	4.8	3.9	8.6	12	7.7	10	8.8	9.7	7.2	8.6	13
25	1.7	3.8	3.9	6.4	8.2	7.7	9.7	8.2	8.8	6.4	5.2	16
26	1.7	3.8	3.9	5.7	8.2	7.8	10	8.0	8.0	7.2	5.0	7.2
27	1.7	3.8	3.9	17	7.6	7.7	11	8.2	7.2	6.4	4.8	6.5
28	11	3.6	3.2	9.2	8.2	7.9	9.8	8.1	6.8	e6.0	4.9	6.7
29	2.8	5.1	3.2	8.0	7.6	12	14	8.0	6.8	e6.0	4.9	9.2
30	2.1	3.9	3.2	7.6	---	8.8	14	8.2	7.2	e6.0	4.7	6.8
31	1.9	---	2.9	7.8	---	8.6	---	8.4	---	e60	4.6	---
TOTAL	112.4	145.7	141.4	211.8	207.1	270.3	386.6	331.1	305.5	281.3	204.1	211.6
MEAN	3.63	4.86	4.56	6.83	7.14	8.72	12.9	10.7	10.2	9.07	6.58	7.05
MAX	14	14	12	23	12	14	49	18	30	60	18	30
MIN	1.4	2.0	2.8	3.0	5.4	6.4	8.8	8.0	5.7	5.4	4.6	3.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1996, BY WATER YEAR (WY)

MEAN	7.13	8.13	9.31	10.2	10.7	12.3	13.3	11.5	9.88	8.58	8.02	7.26
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
MIN	3.63	4.30	4.23	5.13	5.77	6.77	5.98	5.08	4.70	3.38	2.01	3.79
(WY)	1996	1951	1966	1981	1947	1995	1966	1995	1986	1966	1995	1986

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1945 - 1996	
ANNUAL TOTAL	1807.6		2808.9			
ANNUAL MEAN	4.95		7.67		9.67	
HIGHEST ANNUAL MEAN					15.4	1984
LOWEST ANNUAL MEAN					5.14	1995
HIGHEST DAILY MEAN	25	Sep 17	60	Jul 31	93	Oct 13 1990
LOWEST DAILY MEAN	1.4	Oct 17	1.4	Oct 17	1.4	Oct 17 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 5	2.0	Oct 14	1.6	Sep 5 1995
INSTANTANEOUS PEAK FLOW			114a	Jul 31	212a	Oct 13 1990
INSTANTANEOUS PEAK STAGE			1.81	Jul 31	3.28	Feb 7 1971
INSTANTANEOUS LOW FLOW			1.3b	Oct 17	1.1c	Sep 10 1995
10 PERCENT EXCEEDS	7.4		12		16	
50 PERCENT EXCEEDS	4.5		6.6		8.6	
90 PERCENT EXCEEDS	1.9		3.2		4.6	

a From rating curve extended above 110 ft^3/s.
b Also occurred on Oct 18-20.
c Result of regulation.
e Estimated.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 05...	1115	2.9	243	--	9.0	6	13	2.9	20	2.4
FEB 27...	1130	7.6	249	7.1	10.0	8	13	3.4	20	2.6
MAY 14...	1130	9.2	238	7.4	14.0	9.0	16	3.5	22	2.9
AUG 19...	1130	5.7	237	6.4	18.5	6.3	11	3.1	20	2.4

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 05...	24	34	2.0	0.87	<50	<20	<20	<50	<10	<20
FEB 27...	25	33	2.0	1.05	<50	<20	<20	<50	<10	<20
MAY 14...	27	31	1.7	0.68	<50	<20	<20	30	<10	<20
AUG 19...	20	32	1.9	0.24	<20	<20	<20	<20	<10	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	770	490	<20	950	890	<20
FEB 27...	<20	<20	<20	710	450	<20	1000	960	<20
MAY 14...	<20	<20	<20	890	580	<20	800	800	<20
AUG 19...	<20	<20	<20	470	270	<20	380	310	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	4200	70	<50	<20	<20	--
FEB 27...	<20	<20	<20	4400	70	<50	<20	<20	0.07
MAY 14...	<20	<20	<20	--	90	<50	<20	<20	--
AUG 19...	<20	<20	<20	3600	70	<50	<20	<20	<0.02

01308500 CARLLS RIVER AT BABYLON, NY

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

DRAINAGE AREA.--About 35 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area. 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.--Records good except for estimated daily discharges, which are fair. Occasional regulation at outlet of Southards Pond.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	8.6	13	11	21	19	19	e28	16	17	e40	12
2	7.5	21	13	13	20	20	40	e24	16	17	e20	12
3	7.6	16	12	15	21	20	24	31	43	16	e18	11
4	7.8	11	12	12	20	18	21	33	38	16	e15	11
5	18	10	12	12	20	19	20	26	24	14	e15	9.2
6	29	9.8	16	11	20	27	20	25	21	14	e14	12
7	13	13	13	11	20	31	22	24	19	13	e14	15
8	10	20	12	11	20	32	27	28	19	14	e14	13
9	8.7	13	19	11	24	24	23	24	18	13	e14	13
10	9.1	11	23	11	24	22	36	22	17	13	e14	12
11	8.7	11	15	11	23	21	34	23	17	12	e14	11
12	8.1	31	14	19	21	18	27	36	17	14	e15	12
13	7.6	18	13	31	17	20	27	25	16	38	e30	13
14	7.7	23	15	21	19	20	24	23	16	38	20	14
15	13	31	19	17	19	22	23	22	15	22	17	11
16	9.5	16	16	16	18	22	88	27	14	20	15	11
17	7.8	14	15	17	19	20	54	31	14	15	15	44
18	7.5	14	14	20	17	20	37	25	14	14	13	32
19	7.3	18	14	41	17	20	34	24	25	16	12	22
20	7.2	15	15	46	20	32	29	23	50	16	12	18
21	14	15	14	29	31	23	29	22	34	13	12	17
22	17	13	13	24	26	20	e28	22	22	13	13	21
23	10	13	13	22	23	19	e27	20	20	18	13	24
24	8.7	16	13	26	31	18	e26	20	18	18	21	19
25	8.1	14	12	25	26	18	e25	19	17	e14	14	29
26	7.7	13	12	20	22	18	e24	18	16	e16	13	18
27	7.5	13	12	28	21	17	e24	18	15	e15	12	16
28	17	13	12	37	21	17	e23	18	15	e14	12	16
29	14	15	11	26	20	22	e28	18	14	e14	12	20
30	9.8	14	11	24	---	22	e30	17	16	e14	14	16
31	9.0	---	11	22	---	20	---	17	---	e70	15	---
TOTAL	325.4	463.4	429	640	621	661	893	733	616	571	492	504.2
MEAN	10.5	15.4	13.8	20.6	21.4	21.3	29.8	23.6	20.5	18.4	15.9	16.8
MAX	29	31	23	46	31	32	88	36	50	70	40	44
MIN	7.2	8.6	11	11	17	17	19	17	14	12	12	9.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1996, BY WATER YEAR (WY)

MEAN	20.5	23.9	26.8	28.1	29.4	32.5	33.6	29.8	25.7	21.9	21.4	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)	1996	1966	1966	1966	1967	1995	1966	1995	1995	1966	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1945 - 1996	
ANNUAL TOTAL	4708.6		6949.0			
ANNUAL MEAN	12.9		19.0		26.1	
HIGHEST ANNUAL MEAN					39.9	1978
LOWEST ANNUAL MEAN					13.1	1995
HIGHEST DAILY MEAN	41	Jan 7	88	Apr 16	205	Jan 26 1978
LOWEST DAILY MEAN	3.1	Sep 11	7.2	Oct 19	3.1	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	3.4	Sep 7	8.6	Oct 8	3.4	Sep 7 1995
INSTANTANEOUS PEAK FLOW			135	Apr 16	300a	Aug 24 1990
INSTANTANEOUS PEAK STAGE			1.61	Apr 16	2.39	Aug 24 1990
INSTANTANEOUS LOW FLOW			7.2b	Oct 19	.05c	Sep 4 1963
10 PERCENT EXCEEDS	19		29		40	
50 PERCENT EXCEEDS	13		17		24	
90 PERCENT EXCEEDS	5.9		11		14	

a From rating curve extended above 190 ft^3/s.
b Also occurred on Oct 20,21.
c Result of regulation. Also occurred on Jul 6 1966 and Aug 29 1972.
e Estimated.

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
DEC 05...	1215	12	229	--	6.0	10.6	11	2.9	18	2.6
FEB 27...	1230	20	268	6.5	8.0	11.1	11	3.2	25	2.7
MAY 14...	1315	23	--	6.9	15.0	10.0	13	--	--	--
AUG 19...	1315	12	214	6.6	25.0	6.4	6.6	2.6	17	2.5

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
DEC 05...	30	29	2.1	1.02	<50	<20	<20	<50	<10	<20
FEB 27...	28	40	2.2	0.95	<50	<20	<20	<50	<10	<20
MAY 14...	28	29	2.2	0.65	<50	<20	<20	30	<10	<20
AUG 19...	23	27	2.0	0.21	<20	<20	<20	<20	<10	<20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	420	230	<20	720	670	<20
FEB 27...	<20	<20	<20	570	280	<20	870	800	<20
MAY 14...	<20	<20	<20	550	310	<20	--	--	<20
AUG 19...	<20	<20	<20	460	110	<20	780	420	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILICON DIS-SOLVED (UG/L AS SI) (01140)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	TITA-NIUM DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	4100	70	<50	<20	<20	--
FEB 27...	<20	<20	<20	3400	70	<50	<20	<20	0.06
MAY 14...	<20	<20	<20	--	--	<50	<20	<20	--
AUG 19...	<20	<20	<20	2200	60	<50	<20	<20	0.02

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

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

DRAINAGE AREA.--About 7 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC 05...	1330	364	--	9.5	5	23	4.4	25	4.9	51
FEB 27...	1330	350	7.4	11.0	5.8	22	4.6	27	4.3	40
MAY 14...	1215	345	7.0	14.5	7.8	23	4.3	37	4.0	33
AUG 19...	1215	328	6.2	17.0	4.0	13	3.2	23	3.8	24

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
DEC 05...	45	0.9	1.47	<50	<20	<20	<50	<10	<20
FEB 27...	46	0.5	1.25	<50	<20	<20	50	<10	<20
MAY 14...	56	0.8	0.62	<50	<20	<20	50	<10	<20
AUG 19...	42	0.5	1.07	<20	<20	<20	50	<10	<20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
DEC 05...	<20	<20	<20	1100	810	<20	2300	2200	<20
FEB 27...	<20	<20	<20	1700	910	<20	2000	1900	<20
MAY 14...	<20	<20	<20	900	690	<20	1700	1800	<20
AUG 19...	<20	<20	<20	1100	460	<20	2400	1400	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILICON DISSOLVED (UG/L AS SI) (01140)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	TITANIUM DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
DEC 05...	<20	<20	<20	4500	180	<50	<20	<20	--
FEB 27...	<20	<20	<20	4300	160	<50	<20	<20	0.07
MAY 14...	<20	<20	<20	--	120	<50	<20	<20	--
AUG 19...	<20	<20	<20	3700	130	<50	<20	<20	0.04

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

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

DRAINAGE AREA.--About 38 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft 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.--Records good except for period of estimated daily discharges, which are fair.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul. 31	1430	*92	*1.43				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	1.2	2.1	1.7	e3.3	3.7	4.6	7.1	4.5	3.1	9.8	2.0
2	.66	4.7	2.0	2.1	3.3	3.7	12	4.9	4.5	2.7	2.9	1.7
3	.66	1.8	2.0	2.3	2.9	3.7	4.9	11	28	2.6	2.5	1.5
4	.66	1.7	2.0	2.0	2.9	3.3	4.3	7.6	7.3	2.6	2.3	1.5
5	4.1	1.7	2.0	2.0	2.9	3.5	3.8	5.9	4.8	2.5	2.3	1.4
6	3.8	1.7	3.1	2.0	2.9	5.6	3.7	6.0	4.2	2.3	2.3	1.5
7	1.3	3.3	2.1	2.0	2.9	6.7	4.6	5.4	4.0	2.3	2.3	2.0
8	1.3	2.5	2.0	2.8	2.9	5.6	5.7	8.0	3.8	2.7	2.2	1.8
9	1.3	1.5	4.2	e2.3	4.3	4.2	4.9	5.8	3.7	2.4	2.0	1.6
10	1.3	1.3	3.0	e2.0	3.8	4.0	11	5.4	4.5	2.3	1.9	1.5
11	1.3	1.3	2.2	e2.0	3.7	3.8	6.2	7.5	3.7	2.3	1.7	1.5
12	1.3	7.9	1.9	e5.0	3.7	3.7	5.2	14	3.5	2.3	2.0	1.5
13	1.3	2.2	1.7	e3.3	3.5	3.7	4.7	6.6	3.2	17	6.1	2.0
14	1.4	4.9	2.8	e2.9	3.8	3.7	4.5	6.0	3.1	4.3	2.7	1.7
15	2.7	5.8	2.5	e2.3	3.4	3.8	4.5	5.6	3.0	3.7	2.4	1.5
16	1.3	2.7	2.2	e2.3	3.3	3.9	43	9.6	2.8	3.5	2.2	1.5
17	1.3	2.3	2.2	e3.6	3.3	3.3	8.9	7.7	2.6	2.7	2.0	13
18	.96	2.3	2.0	3.3	3.1	3.3	6.9	6.5	2.3	2.3	2.0	7.6
19	.69	3.2	2.0	9.9	2.9	4.3	6.3	6.0	7.7	2.9	1.9	2.6
20	1.0	2.3	2.0	5.8	4.3	8.5	5.8	5.8	11	2.4	1.9	2.3
21	5.1	2.2	2.0	e4.0	7.1	3.8	5.4	6.1	5.0	2.2	1.9	2.1
22	1.6	2.0	2.0	e3.6	4.7	3.7	5.2	5.7	3.7	2.0	1.9	7.4
23	1.3	2.0	2.0	e3.3	4.0	3.4	4.9	5.1	3.3	3.0	2.2	3.9
24	1.4	2.4	2.0	e4.0	8.9	3.3	4.9	4.9	2.9	2.3	2.3	3.0
25	1.5	2.0	1.8	e3.6	4.3	3.3	4.7	4.9	2.8	2.3	2.0	3.0
26	1.1	2.0	1.7	e3.3	4.0	3.2	4.7	4.9	2.6	2.4	2.0	2.4
27	1.1	2.0	1.7	e15	3.9	2.9	4.7	4.9	2.5	2.2	2.0	2.3
28	3.6	2.0	1.7	e5.4	3.9	3.0	4.0	4.9	2.3	2.0	2.0	2.2
29	.90	2.4	1.7	e4.5	3.8	5.1	6.1	4.9	2.3	2.0	2.0	3.0
30	.83	2.3	1.7	e4.5	---	3.8	8.3	4.7	2.9	2.0	1.9	2.4
31	.88	---	1.7	e4.0	---	3.3	---	4.5	---	22	1.9	---
TOTAL	48.30	77.6	66.0	116.8	111.7	124.8	208.4	197.9	142.5	113.3	77.5	83.4
MEAN	1.56	2.59	2.13	3.77	3.85	4.03	6.95	6.38	4.75	3.65	2.50	2.78
MAX	5.1	7.9	4.2	15	8.9	8.5	43	14	28	22	9.8	13
MIN	.66	1.2	1.7	1.7	2.9	2.9	3.7	4.5	2.3	2.0	1.7	1.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

MEAN	7.17	8.55	9.28	10.6	11.3	13.4	14.6	12.7	10.4	8.46	8.16	6.87
MAX	18.6	24.5	18.8	33.2	25.7	28.7	33.3	32.5	28.7	25.7	22.9	18.2
(WY)	1956	1956	1973	1979	1973	1939	1953	1979	1952	1984	1955	1938
MIN	1.56	2.01	2.12	2.71	3.10	3.15	2.68	2.77	1.84	1.50	.59	1.09
(WY)	1996	1966	1966	1966	1995	1995	1995	1995	1995	1995	1995	1995

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	798.81		1368.20			
ANNUAL MEAN	2.19		3.74		10.2	
HIGHEST ANNUAL MEAN					19.4	1973
LOWEST ANNUAL MEAN					2.27	1995
HIGHEST DAILY MEAN	13	Jan 7	43	Apr 16	191	Jan 21 1979
LOWEST DAILY MEAN	.32	Aug 30	.66	Oct 1	.32	Aug 30 1995
ANNUAL SEVEN-DAY MINIMUM	.37	Aug 28	1.3	Oct 7	.37	Aug 28 1995
INSTANTANEOUS PEAK FLOW			92	Jul 31	510a	Jul 29 1980
INSTANTANEOUS PEAK STAGE			1.43	Jul 31	2.40	Jul 29 1980
INSTANTANEOUS LOW FLOW			.66b	Oct 1	.32c	Aug 29 1995
10 PERCENT EXCEEDS	3.4		6.1		19	
50 PERCENT EXCEEDS	2.1		2.9		8.2	
90 PERCENT EXCEEDS	.65		1.5		3.0	

a From rating curve extended above 200 ft^3/s.
b Also occurred on Oct 2-5,19,20, and Nov 1.
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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT 19...	1020	.66	262	6.2	11.0	775	6.1	18	3.6
FEB 14...	1200	3.7	263	6.1	4.0	760	9.8	18	3.3
MAY 22...	1350	5.4	269	6.8	27.0	764	14.0	16	3.3
AUG 26...	0950	2.0	254	6.0	19.0	--	15.6	18	3.5

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT 19...	23	3.3	25	25	40	<0.10	7.0	0.022	1.80
FEB 14...	27	3.0	20	25	44	<0.10	8.8	0.009	2.40
MAY 22...	27	2.9	23	26	44	<0.10	5.3	0.015	1.50
AUG 26...	27	2.8	26	26	46	<0.10	4.5	0.010	<0.050

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT 19...	0.170	0.30	0.009	<0.001	200	52	490	510	0.03
FEB 14...	0.400	0.50	0.074	0.003	930	84	840	710	<0.02
MAY 22...	0.040	0.30	0.059	0.002	430	130	200	170	0.03
AUG 26...	<0.015	<0.20	0.120	<0.001	920	27	450	140	0.03

01310000 BELLMORE CREEK AT BELLMORE, NY

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

DRAINAGE AREA.--About 17 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft 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).
Supplementary gage (01309990): Water-stage recorder with concrete control on right bank of secondary channel about 1,000 ft east of base gage at datum of 16.96 ft above sea level. Prior to July 28, 1965, at datum 2.00 ft higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft higher.

REMARKS.--Records good, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	1.0	1.7	1.0	2.0	3.4	5.4	4.7	1.9	2.0	e7.2	1.4
2	.04	2.8	1.5	1.1	2.0	3.4	5.9	3.8	1.7	1.8	e3.8	1.4
3	.00	.93	1.6	1.3	2.1	3.1	3.1	7.3	15	1.8	e2.9	1.3
4	.00	1.1	1.2	1.1	1.8	2.8	2.8	5.0	4.0	1.7	e2.5	1.2
5	.82	1.1	1.1	1.0	1.8	3.6	2.7	4.1	3.1	1.5	e2.4	1.2
6	1.2	.97	1.6	1.0	1.9	5.4	2.5	3.4	2.7	1.4	e2.4	1.3
7	.46	1.3	1.0	1.1	2.0	5.2	2.9	3.0	2.6	1.4	e2.3	1.8
8	.37	1.4	1.0	1.2	1.8	3.6	3.2	4.2	2.4	1.4	e2.1	1.6
9	.37	1.1	2.0	1.0	2.6	3.0	3.2	3.2	2.2	1.5	2.0	1.5
10	.31	1.0	1.5	1.0	2.6	2.8	6.2	3.0	2.2	1.3	2.0	1.3
11	.32	1.1	1.2	1.0	2.6	2.9	3.8	6.1	2.1	1.2	1.9	1.2
12	.35	4.5	1.1	1.6	2.5	2.8	3.5	5.7	2.0	e1.2	1.8	1.2
13	.35	1.2	1.1	2.0	2.4	2.7	3.2	3.9	1.9	e9.4	5.4	1.3
14	.42	3.4	1.6	1.5	2.6	2.6	3.0	5.5	1.8	e2.7	2.3	1.4
15	.93	3.1	1.4	1.4	2.1	2.8	3.0	10	1.7	e2.2	2.1	1.3
16	.44	1.8	1.2	1.4	2.2	2.6	35	8.2	1.6	e2.3	2.0	1.2
17	.38	1.7	1.2	1.6	2.0	2.4	6.0	3.8	1.6	e2.0	2.0	14
18	.37	1.6	1.1	1.8	1.8	2.4	4.8	3.2	1.6	e1.9	2.0	4.9
19	.42	1.9	1.2	6.4	1.8	5.0	4.4	3.1	6.1	e3.1	2.0	2.4
20	.42	1.6	1.2	3.2	2.3	4.5	4.2	3.0	6.5	e1.8	2.0	2.1
21	5.5	1.5	1.1	2.3	3.4	2.9	4.0	3.2	3.4	e1.7	1.9	2.0
22	.98	1.5	1.1	2.2	2.9	2.8	3.7	3.1	3.6	e1.6	1.8	7.2
23	.72	1.5	1.1	2.0	2.7	3.0	3.3	3.2	2.9	e2.7	4.1	3.1
24	.72	1.7	1.1	2.7	7.7	2.9	3.5	2.4	2.1	e1.8	2.8	2.7
25	.72	1.4	1.0	2.2	4.0	2.9	3.2	2.2	2.0	e1.6	1.9	2.9
26	.52	1.4	1.0	2.0	4.6	2.6	3.4	2.2	1.8	e2.2	1.7	2.1
27	.49	1.2	1.0	9.9	4.4	2.6	3.7	2.2	1.6	e1.8	1.6	2.0
28	2.1	1.1	1.0	3.0	4.6	2.7	3.8	2.2	1.8	e1.6	1.7	2.0
29	.77	2.0	1.0	2.3	3.6	3.7	5.6	2.2	1.6	e1.6	1.7	2.8
30	.97	1.9	1.0	2.4	---	2.7	5.4	2.1	2.0	e1.5	1.6	2.0
31	1.0	---	1.0	2.2	---	2.5	---	2.0	---	e28	1.4	---
TOTAL	22.59	49.80	37.9	65.9	80.8	98.3	148.4	121.2	87.5	89.7	75.3	73.8
MEAN	.73	1.66	1.22	2.13	2.79	3.17	4.95	3.91	2.92	2.89	2.43	2.46
MAX	5.5	4.5	2.0	9.9	7.7	5.4	35	10	15	28	7.2	14
MIN	.00	.93	1.0	1.0	1.8	2.4	2.5	2.0	1.6	1.2	1.4	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

MEAN	6.76	8.09	8.75	9.50	10.4	11.8	12.2	10.4	8.94	7.43	7.42	6.50
MAX	18.9	24.4	20.8	21.8	19.9	24.4	26.2	23.2	26.5	19.5	21.2	23.0
(WY)	1959	1956	1978	1978	1956	1961	1953	1958	1952	1975	1961	1960
MIN	.65	1.17	1.22	2.13	2.34	2.73	2.00	1.53	.96	.76	.079	.29
(WY)	1987	1988	1996	1996	1995	1995	1995	1995	1995	1995	1995	1986

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	510.61		949.99			
ANNUAL MEAN	1.40		2.60		9.00	
HIGHEST ANNUAL MEAN					19.7	1961
LOWEST ANNUAL MEAN					1.54	1995
HIGHEST DAILY MEAN	10	Jan 20	35	Apr 16	162	Sep 12 1960
LOWEST DAILY MEAN	.00	Aug 11	.00	Oct 3	.00	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 11	.36	Oct 8	.00	Aug 11 1995
10 PERCENT EXCEEDS	2.6		4.4		17	
50 PERCENT EXCEEDS	1.2		2.0		7.3	
90 PERCENT EXCEEDS	.00		1.0		2.2	

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
17...	0740	.38	--	6.4	10.5	776	9.4	16	2.8
FEB									
14...	0945	2.4	293	6.3	3.0	756	10.6	20	3.6
MAY									
22...	1245	2.4	338	6.6	23.0	764	12.3	20	3.7

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT									
17...	17	2.2	31	22	27	<0.10	6.2	0.009	0.400
FEB									
14...	31	2.4	36	23	48	<0.10	8.0	0.013	2.00
MAY									
22...	35	2.4	40	22	54	<0.10	6.7	0.036	1.40

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT									
17...	0.020	0.60	0.110	0.015	1100	270	380	340	0.06
FEB									
14...	0.110	0.30	0.024	0.004	650	160	540	520	0.03
MAY									
22...	0.050	0.30	0.019	0.001	700	190	260	270	0.03

01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--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 --No estimated daily discharges. Records good except those below 5 ft^3/s, which are fair.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul. 31	1545	*422	*2.35

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.37	1.3	.85	2.7	2.7	4.1	5.5	2.7	3.6	34	1.6
2	.00	4.3	1.2	.99	2.6	2.8	9.0	4.4	2.8	2.7	8.1	1.6
3	.00	1.1	1.1	1.3	2.6	2.8	4.2	7.6	29	2.6	5.9	1.4
4	.00	.54	1.1	1.1	2.2	2.4	3.5	5.6	8.8	2.3	5.0	1.4
5	.39	.37	1.0	.94	2.2	2.7	3.4	4.7	5.2	2.2	4.5	1.4
6	1.8	.30	1.9	.85	2.2	4.8	3.3	4.9	4.5	2.1	4.0	1.4
7	.34	1.6	1.3	.86	2.2	6.0	3.7	4.5	3.9	2.0	3.6	2.0
8	.19	2.1	1.2	.98	2.2	5.0	5.1	6.1	3.6	2.1	3.4	1.9
9	.14	1.0	2.7	.85	3.5	3.6	4.2	4.5	3.5	2.6	3.2	1.9
10	.10	.78	2.8	.85	3.1	3.1	8.6	4.3	3.3	2.0	2.9	1.4
11	.08	.67	1.7	.72	3.0	3.0	5.7	5.9	3.3	1.8	2.7	1.4
12	.07	6.7	1.4	1.4	2.7	3.0	4.5	8.3	3.1	1.7	2.6	1.4
13	.04	1.8	1.3	2.6	2.4	3.0	4.1	4.9	3.0	17	7.6	1.6
14	.26	4.1	1.8	1.6	2.9	3.0	3.9	4.6	2.8	5.8	3.9	1.6
15	1.8	5.3	2.3	1.4	2.8	3.1	3.5	4.2	2.7	4.2	3.2	1.4
16	.44	2.5	1.7	1.2	2.5	3.4	66	6.9	2.4	4.6	3.0	1.3
17	.25	1.9	1.6	1.4	2.4	3.0	11	5.6	2.4	3.1	2.8	22
18	.20	1.6	2.0	1.8	2.3	3.0	7.2	4.6	2.4	2.8	2.6	26
19	.12	2.4	1.7	6.9	2.2	3.7	6.1	4.2	6.9	4.2	2.4	4.1
20	.15	1.5	1.5	4.9	3.4	6.7	5.7	3.9	8.5	3.3	2.4	3.2
21	4.1	1.4	1.2	3.2	5.0	3.6	5.3	3.8	4.7	2.6	2.4	2.7
22	1.9	1.3	1.2	2.7	3.8	3.2	5.1	3.7	3.7	2.4	2.3	5.3
23	.71	1.2	1.2	2.4	3.2	3.2	4.9	3.4	3.3	3.1	4.1	3.5
24	.48	1.7	1.1	3.1	7.0	2.9	4.9	3.3	2.8	2.6	4.1	2.9
25	.30	1.3	.99	2.7	3.9	2.7	4.6	3.3	2.7	2.3	2.4	3.3
26	.30	1.2	.99	2.2	3.3	2.7	4.7	3.3	2.5	3.3	2.1	2.4
27	.30	1.2	.99	8.1	3.0	2.7	4.7	3.3	2.3	2.4	1.9	2.3
28	1.9	1.0	.92	5.2	3.0	2.6	4.0	3.3	2.5	2.1	1.9	2.1
29	.70	1.5	.85	3.4	2.8	4.6	5.2	3.3	2.3	1.9	1.8	3.4
30	.30	1.2	.85	3.1	---	3.4	5.9	3.0	3.3	1.9	1.6	2.1
31	.24	---	.85	2.8	---	3.0	---	2.8	---	107	1.6	---
TOTAL	17.61	53.93	43.74	72.39	86.9	105.4	216.1	141.7	134.9	204.3	134.0	110.0
MEAN	.57	1.80	1.41	2.34	3.00	3.40	7.20	4.57	4.50	6.59	4.32	3.67
MAX	4.1	6.7	2.8	8.1	7.0	6.7	66	8.3	29	107	34	26
MIN	.00	.30	.85	.72	2.2	2.4	3.3	2.8	2.3	1.7	1.6	1.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

MEAN	10.0	11.2	11.9	13.1	14.0	15.8	17.4	15.7	13.5	12.0	11.6	10.2
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	.57	.66	1.36	1.72	2.03	2.98	2.02	2.93	1.56	.21	.034	.28
(WY)	1998	1966	1966	1967	1967	1992	1966	1992	1988	1966	1995	1995

01310500 EAST MEADOW AT EAST MEADOW, NY--Continued

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	711.95		1320.97			
ANNUAL MEAN	1.95		3.61		13.0	
HIGHEST ANNUAL MEAN					23.3	1961
LOWEST ANNUAL MEAN					2.08	1995
HIGHEST DAILY MEAN	21	Jan 20	107	Jul 31	375	Sep 12 1960
LOWEST DAILY MEAN	.00	Aug 10	.00	Oct 2	.00	Aug 26 1971
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 10	.13	Oct 8	.00	Aug 15 1988
INSTANTANEOUS PEAK FLOW			422	Jul 31	848	Jul 29 1980
INSTANTANEOUS PEAK STAGE			2.35	Jul 31	4.38a	Sep 12 1960
INSTANTANEOUS LOW FLOW			.00b	Oct 2	.00c	Aug 26 1971
10 PERCENT EXCEEDS	3.6		5.4		24	
50 PERCENT EXCEEDS	1.7		2.7		11	
90 PERCENT EXCEEDS	.00		.85		1.9	

a Datum then in use.
b Also occurred on Oct 3-5.
c Also occurred on Aug 15-23 1988, Aug 9 to Sep 17, 18-22, Oct 2-5 1995.

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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT									
19...	0930	.17	245	5.5	12.0	777	6.5	13	3.4
FEB									
13...	0925	2.4	--	6.3	2.0	768	9.5	17	4.4
MAY									
22...	1150	3.6	521	6.2	18.5	765	8.3	17	4.2
AUG									
26...	0745	2.2	412	5.9	19.0	--	12.5	17	4.0

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT									
19...	27	1.8	15	29	42	<0.10	7.2	0.003	0.610
FEB									
13...	69	2.1	30	25	110	<0.10	7.0	0.007	1.20
MAY									
22...	71	2.2	31	23	120	0.20	6.2	0.011	1.10
AUG									
26...	63	2.3	31	22	100	<0.10	5.8	0.011	1.10

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT									
19...	0.020	<0.20	0.009	<0.001	410	93	110	110	0.02
FEB									
13...	0.130	0.30	0.007	0.002	550	240	280	270	0.03
MAY									
22...	0.110	0.30	0.017	0.002	600	98	250	250	0.02
AUG									
26...	0.090	<0.20	0.011	<0.001	340	140	150	150	0.03

01311000 PINES BROOK AT MALVERNE, NY

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

DRAINAGE AREA.--About 10 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft above sea level (Nassau County Bench mark). Prior to 1894, determinations of flow by varios 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul. 31	1115	*471	*4.60

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.04	.05	.11	.29	.70	9.9	1.2	.33	.78	16	.13
2	.00	17	.06	.16	.27	.85	9.2	.51	.30	.14	.82	.11
3	.00	.00	.06	.16	.27	.77	.56	2.5	31	.13	.59	.10
4	.00	.00	.04	.11	.27	.70	.53	.49	.90	.12	.51	.09
5	1.5	.00	.04	.11	.24	.90	.49	.36	.54	.10	.46	.09
6	2.8	.00	.12	.12	.24	3.0	.49	.41	.51	.08	.42	.09
7	.01	3.2	.06	.12	.24	10	.81	.34	.47	.08	.36	.11
8	.00	.29	.04	.09	.28	1.7	1.8	1.5	.43	.09	.32	1.3
9	.00	.00	.58	.08	1.5	.59	.96	.36	.39	.15	.31	.13
10	.00	.00	.06	.08	.32	.44	8.5	.40	.35	.08	.28	.10
11	.00	.25	.06	.07	.30	.39	.74	3.2	.39	.06	.25	.10
12	.00	12	.06	.34	.26	.80	.66	2.0	.49	.06	.25	.10
13	.00	.02	.06	.13	.24	.29	.61	.56	.42	20	7.7	.16
14	3.8	6.5	2.2	.08	.87	.32	.59	.49	.33	4.5	.41	.12
15	3.6	1.8	.28	.08	.31	.55	.59	.48	.32	2.5	.30	.11
16	.02	.04	.13	.07	.27	.44	41	7.9	.31	5.1	.28	.10
17	.00	.03	.07	.12	.30	.40	1.1	1.0	.31	.18	.26	25
18	.00	.05	.07	.12	.30	.39	.79	.76	.30	.15	.25	3.1
19	.00	.09	.07	9.0	.28	7.5	.84	.76	6.4	1.6	.23	.24
20	.00	.02	.07	.31	1.8	4.6	.70	.73	1.6	.24	.21	.21
21	18	.04	.07	.20	3.7	.34	.66	.72	.31	.19	.19	.19
22	.06	.04	.07	.17	.42	.62	.64	.65	.26	.18	.19	3.1
23	.01	.04	.07	.17	.35	.31	.67	.60	.27	.94	1.5	.27
24	.00	.08	.07	1.8	8.7	.28	.74	.56	.21	.19	.59	.48
25	.00	.04	.07	.19	.92	.27	.64	.51	.21	.19	.39	.45
26	.00	.04	.08	.16	.93	.27	1.1	.49	.19	1.7	.19	.20
27	.00	.04	.11	16	.86	.25	.65	.49	.19	.20	.18	.19
28	3.9	.03	.09	1.3	.75	.25	.61	.47	.22	.18	.17	.26
29	.00	.08	.09	.35	.70	1.6	1.7	.39	.19	.16	.16	1.2
30	.00	.04	.10	.35	---	.35	1.6	.39	2.9	.16	.15	.19
31	.00	---	.11	.34	---	.30	---	.36	---	64	.13	---
TOTAL	33.70	41.80	5.11	32.49	26.18	40.17	89.87	31.58	51.04	104.23	34.05	38.02
MEAN	1.09	1.39	.16	1.05	.90	1.30	3.00	1.02	1.70	3.36	1.10	1.27
MAX	18	17	2.2	16	8.7	10	41	7.9	31	64	16	25
MIN	.00	.00	.04	.07	.24	.25	.49	.34	.19	.06	.13	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

MEAN	2.54	3.02	3.15	3.57	3.62	4.26	4.61	4.17	3.54	3.19	3.03	2.68
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

01311000 PINES BROOK AT MALVERNE, NY--Continued

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	354.46		528.24			
ANNUAL MEAN	.97		1.44		3.39	
HIGHEST ANNUAL MEAN					8.35	1939
LOWEST ANNUAL MEAN					.52	1966
HIGHEST DAILY MEAN	31	Jan 20	64	Jul 31	247	Jan 28 1994
LOWEST DAILY MEAN	.00	Sep 3	.00	Oct 1	.00	Aug 21 1964
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 3	.00	Oct 7	.00	Aug 23 1964
INSTANTANEOUS PEAK FLOW			471a	Jul 31	866a	Jan 28 1994
INSTANTANEOUS PEAK STAGE			4.60	Jul 31	5.28	Jan 28 1994
INSTANTANEOUS LOW FLOW			.00	Many days	.00	Many years
10 PERCENT EXCEEDS	1.2		2.5		7.9	
50 PERCENT EXCEEDS	.22		.28		1.8	
90 PERCENT EXCEEDS	.00		.04		.01	

a From rating curve extended above 220 ft^3/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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
DEC 05...	1125	.04	296	7.1	8.0	777	11.0	27	5.9
FEB 27...	0915	1.0	347	7.0	9.0	770	10.0	24	5.4

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
DEC 05...	28	5.0	69	25	33	<0.10	7.3	0.003	2.50
FEB 27...	32	4.2	58	28	46	<0.10	8.3	0.011	2.60

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
DEC 05...	<0.015	0.20	0.022	0.015	40	15	20	6	0.03
FEB 27...	0.110	0.20	0.018	0.014	270	88	130	140	<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 mi^2.

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft 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. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.51	.87	2.5	1.6	.43	.59	14	.20
2	.00	8.6	.00	.00	.58	1.6	15	.84	.43	.39	1.8	.21
3	.00	1.1	.00	.00	.73	1.8	1.5	3.8	23	.37	1.1	.22
4	.00	.13	.00	.00	.52	1.6	.85	1.8	3.7	.29	.79	1.0
5	.00	.00	.00	.00	.51	1.9	.80	.40	1.0	.20	.62	.25
6	.00	.00	.00	.00	.51	2.8	.88	.32	.63	.11	.61	.35
7	.00	.24	.00	.00	.46	5.0	1.3	.52	.59	.13	.53	.39
8	.00	.50	.00	.00	.49	2.3	.88	2.0	1.2	.18	.52	.40
9	.00	.09	.09	.00	.55	.62	1.0	.82	.78	.24	.61	.39
10	.00	.00	.22	.00	.46	.45	4.8	.45	.52	.17	.55	.19
11	.00	.03	.13	.00	.43	.44	1.6	3.7	.45	.11	.49	.14
12	.00	9.0	.07	.00	.61	.44	.76	8.4	.41	.11	.49	.20
13	.00	.61	.00	.16	.65	.45	.66	1.6	.40	9.6	6.7	.29
14	.00	1.8	.09	.05	.58	.42	.62	1.0	.38	6.0	1.3	.13
15	.22	1.9	.20	.04	.38	.46	.58	.89	.46	5.3	.59	.08
16	.00	.38	.11	.03	.31	.35	23	3.4	.46	3.9	.44	.07
17	.00	.17	.06	.11	.36	.35	2.5	2.7	.29	.68	.38	14
18	.00	.06	.01	.14	.31	.65	1.1	1.1	.32	.33	.40	5.8
19	.00	.17	.01	4.1	.26	2.2	.88	.89	4.3	.71	.39	.79
20	.00	.01	.13	2.5	.52	8.8	.80	.74	2.5	.58	.55	.40
21	5.6	.00	.09	.69	1.5	1.1	.80	.81	.71	.32	.47	.34
22	1.1	.00	.05	.47	.82	.67	.62	.78	.46	.30	.46	.68
23	.07	.00	.03	.43	.55	.41	.70	.69	.40	.47	.63	.52
24	.00	.00	.00	1.3	4.2	.18	.76	.62	.40	.42	.79	.38
25	.00	.00	.00	1.1	1.6	.17	.69	.60	.46	.32	.56	.47
26	.00	.00	.00	.54	1.2	.22	.87	.60	.53	1.7	.25	.40
27	.00	.00	.00	7.8	.66	.43	1.2	e.60	.47	.61	.48	.31
28	3.9	.00	.00	3.0	1.0	.41	.73	e.55	.51	.31	.30	.32
29	.37	.00	.00	.62	.94	1.1	1.4	e.50	.36	.33	.20	.56
30	.04	.00	.00	.51	---	.40	1.7	.45	.65	.22	.23	.36
31	.00	---	.00	.53	---	.18	---	.44	---	41	.21	---
TOTAL	11.30	24.79	1.29	24.12	22.20	38.77	71.48	43.61	47.20	75.99	37.44	29.84
MEAN	.36	.83	.042	.78	.77	1.25	2.38	1.41	1.57	2.45	1.21	.99
MAX	5.6	9.0	.22	7.8	4.2	8.8	23	8.4	23	41	14	14
MIN	.00	.00	.00	.00	.26	.17	.58	.32	.29	.11	.20	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1996, BY WATER YEAR (WY)

MEAN	1.56	1.88	1.79	2.11	2.00	2.31	2.82	2.36	1.86	1.61	1.96	1.74
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)	1959	1956	1956	1956	1955	1956	1958	1958	1956	1956	1955	1954
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1966	1966	1966	1966	1980	1981	1981	1981	1966	1966	1965	1982

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1954 - 1996	
ANNUAL TOTAL	230.37		428.03			
ANNUAL MEAN	.63		1.17		1.96	
HIGHEST ANNUAL MEAN					8.86	1956
LOWEST ANNUAL MEAN					.11	1986
HIGHEST DAILY MEAN	25	Jan 20	41	Jul 31	140	Aug 12 1955
LOWEST DAILY MEAN	.00	Jun 28	.00	Oct 1	.00	Jul 25 1963
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 31	.00	Oct 1	.00	Aug 10 1963
INSTANTANEOUS PEAK FLOW			134	Jul 31	294	Jun 30 1984
INSTANTANEOUS PEAK STAGE			2.72	Jul 31	5.78	Jun 30 1984
INSTANTANEOUS LOW FLOW			.00	Many days	.00	Many years
10 PERCENT EXCEEDS	.79		2.2		6.2	
50 PERCENT EXCEEDS	.14		.44		.18	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated.

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 mi^2.

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 except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.11	.29	.23	.17	1.2	2.5	1.2	.40	.36	10	.55
2	.29	12	.28	.27	.20	1.6	10	.89	.39	.31	1.3	.58
3	.30	.13	.32	.25	.25	1.6	1.0	4.0	14	.38	1.1	.59
4	.30	.07	.29	.11	.17	1.6	1.1	1.5	1.4	.38	1.0	.61
5	.64	.06	.25	.09	.17	1.8	1.0	1.2	.92	.29	.99	.63
6	3.3	.06	.40	.14	.16	3.0	.93	1.6	.98	.23	1.0	.63
7	.26	2.3	.19	.13	.16	6.2	1.0	1.1	.94	.22	1.0	.65
8	.24	1.2	.14	.14	.23	2.0	2.6	2.4	.85	.24	.94	.63
9	.22	.01	.56	.01	.44	.60	1.0	.78	.69	.30	.90	e.62
10	.21	.04	.50	.01	.24	.85	6.2	.81	.56	.21	.84	e.60
11	.21	.23	.08	.02	.27	.95	1.2	2.6	.49	.18	.78	e.60
12	.21	9.0	.06	.13	.39	.69	1.1	5.5	.46	.23	.80	e.60
13	.21	.07	.05	.11	.45	.54	1.7	.98	.45	8.6	4.0	e.70
14	.26	3.8	.23	.04	.63	.52	1.5	1.1	.41	8.4	1.2	e.60
15	4.1	2.7	.17	.02	.44	.68	1.2	.86	.42	4.3	.99	e.60
16	.17	.17	.68	.02	.44	.75	16	4.5	.42	4.1	.85	e.60
17	.14	.15	.51	.05	.50	.68	2.3	1.8	.39	.63	.78	e10
18	.13	.11	.15	.05	.42	.68	2.1	.95	.36	.52	.76	e2.0
19	.13	.18	.12	7.0	.36	1.1	2.0	1.4	2.2	2.6	.72	e1.0
20	.15	.10	.09	1.1	.52	6.6	1.3	1.3	1.6	1.0	.73	e.80
21	7.2	.12	.07	.45	2.1	.74	1.2	.95	.51	.39	.76	e.70
22	.59	.15	.14	.45	.62	.92	1.3	.72	.40	.36	.78	e3.0
23	.13	.22	.16	.41	.50	.76	1.3	.63	.35	.45	1.3	e1.0
24	.13	.31	.17	2.7	5.4	.78	1.2	.53	.34	.40	1.2	e1.5
25	.13	.21	.16	.61	1.2	.79	1.2	.50	.34	.36	.84	e1.3
26	.13	.23	.15	.17	2.0	1.0	1.5	.48	.28	1.6	.68	e.80
27	.13	.26	.19	6.9	3.6	1.4	1.3	.51	.26	.42	.60	e.70
28	7.7	.25	.18	.83	1.2	1.5	1.1	.45	.38	.28	.58	e.80
29	.16	.42	.18	.26	1.3	2.5	1.3	.45	.27	.26	.55	e2.0
30	.14	.27	.20	.22	---	1.4	1.2	.45	.52	.26	.53	e.70
31	.10	---	.19	.21	---	1.1	---	.42	---	46	.53	---
TOTAL	28.27	34.93	7.15	23.13	24.53	46.53	70.33	42.56	31.98	84.26	39.03	36.09
MEAN	.91	1.16	.23	.75	.85	1.50	2.34	1.37	1.07	2.72	1.26	1.20
MAX	7.7	12	.68	7.0	5.4	6.6	16	5.5	14	46	10	10
MIN	.10	.01	.05	.01	.16	.52	.93	.42	.26	.18	.53	.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	.91	.92	.99	2.34	1.15	1.73	1.65	1.49	.74	1.28	1.38	1.15
MAX	1.02	1.16	1.74	4.67	1.71	2.78	2.34	2.22	1.07	2.72	2.79	1.94
(WY)	1994	1996	1994	1994	1994	1994	1996	1994	1996	1996	1994	1994
MIN	.80	.55	.23	.75	.85	.91	.70	.87	.33	.53	.082	.28
(WY)	1995	1994	1996	1996	1996	1995	1995	1995	1994	1994	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	275.09		468.79			
ANNUAL MEAN	.75		1.28		1.31	
HIGHEST ANNUAL MEAN					1.86	1994
LOWEST ANNUAL MEAN					.80	1995
HIGHEST DAILY MEAN	21	Jan 20	46	Jul 31	70	Jan 28 1994
LOWEST DAILY MEAN	.01	Nov 9	.01	Nov 9	.01	Nov 9 1995
ANNUAL SEVEN-DAY MINIMUM	.02	Aug 26	.05	Jan 9	.02	Aug 26 1995
INSTANTANEOUS PEAK FLOW			226a	Jul 31	226a	Jul 31 1996
INSTANTANEOUS PEAK STAGE			4.84	Jul 31	4.84	Jul 31 1996
INSTANTANEOUS LOW FLOW			.00b	Jan 9	.00b	Jan 9 1996
10 PERCENT EXCEEDS	1.0		2.5		2.3	
50 PERCENT EXCEEDS	.30		.59		.49	
90 PERCENT EXCEEDS	.08		.13		.12	

a From rating curve extended above 110 ft^3/s.
b Also occurred on Jan 10 1996.
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 1996

Station number	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′39″, long 73°42′32″, Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mi northwest of State Highway 25A	--	1953-96	9-25-96	0.46
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	--	1953-96	9-26-96	.17
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	--	1953-96	9-25-96	.38
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 of New York Ave., 1 mi northeast of Huntington	--	1953-96	9-16-96	1.6
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	--	1953-96	9-16-96	.75
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	--	1977-96	9-16-96	.68
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 1989-96	9-16-96	.11

Discharge measurements made at low-flow partial-record stations during water year 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51′05″, long 73°11′15″, Suffolk County, 300 ft upstream from culvert on State Highway 111, 0.75 mi southeast of Smithtown, and 3.0 mi upstream from gaging station near Smithtown	--	1948-49 1951-76 1979-96	9-16-96	2.8
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	--	1972-96	9-16-96	1.5
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50′45″, long 73°12′29″, Suffolk County, 10 ft upstream from culvert at Brooksite Drive, 0.75 mi southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown	--	1953-96	9-16-96	2.6
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	--	1972-96	9-16-96	22
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	--	1974-96	9-16-96	38
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54′53″, long 73°08′52″, Suffolk County, 100 ft downstream from Harbor Road, at Stony Brook	--	1977-96	9-28-96	1.4
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	--	1977-96	9-28-96	.24
01304065	Unnamed tributary to Setauket Harbor at East Setauket, N.Y.	Lat 40°56′35″, long 73°06′08″, Suffolk County at culvert on State Highway 25A, at East Setauket	--	1977-96	9-28-96	.32
01304070	Unnamed tributary to Port Jefferson Harbor at Port Jefferson, N.Y.	Lat 40°56′41″, long 73°04′18″, Suffolk County, at culvert on Barnum Ave., at Port Jefferson	--	1977-96	9-28-96	.04
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 1989-96	9-27-96	.67
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	--	1977-96	9-30-96	.21
01304400	Peconic River at Manorville, N.Y.	Lat 40°52′38″, long 72°49′42″, Suffolk County, at bridge on Schultz Road, 1 mi northwest of Manorville, and 8.5 mi upstream from gaging station at Riverhead	--	1948-49 1951-96	8-28-96	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	--	1976-96	8-28-96	29

Discharge measurements made at low-flow partial-record stations during water year 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
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	--	1952-96	9-27-96	4.1
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 1973-96	9-27-96	2.5
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 1971-96	9-30-96	1.1
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	--	1958-96	9-30-96	.17
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 1973-96	9-30-96	.06
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 1988-96	9-26-96	4.8
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	--	1974-96	9-20-96	1.2
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49′57″, long 72°37′06″, Suffolk County, at culvert on Old Meeting House Road, 1 mi northwest of Quogue	--	1953-69 1974-96	9-20-96	1.4
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 1990-96	9-20-96	1.5
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49′23″, long 72°39′42″, Suffolk County, at culvert on Old Country Road, 100 ft northwest of State Highway 27A, and 1 mi northwest of Westhampton	--	1953-88 1990-96	9-27-96	2.5
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	--	1974-96	9-27-96	.49
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	--	1953-96	9-27-96	3.6
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49′12″, long 72°44′23″, Suffolk County, at culvert on Moriches Blvd., 0.75 mi southwest of Eastport	--	1955-69 1974-96	9-27-96	3.6
01304960	Forge River at Moriches, N.Y.	Lat 40°48′22″, long 72°50′00″, Suffolk County, at two culverts on State Highway 27A, at Moriches	--	1948-50 1952-96	9-27-96	3.4
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	--	1957-96	6-07-96	.19

Discharge measurements made at low-flow partial-record stations during water year 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
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	--	1973-96	6-07-96	6.2
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	--	1973-96	6-07-96	14
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	--	1973-96	6-07-96	47
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 1971-96	9-27-96	4.0
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46′55″, long 73°01′19″, Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 27A and gaging station at Patchogue	--	1945-50 1952-96	9-27-96	6.9
01306000[c]	Patchogue River at Patchogue, N.Y.	Lat 40°45′56″, long 73°01′16″, Suffolk County, at State Highway 27A, at Patchogue	13.5[b]	1956-69* 1970-73 1974-76* 1977-96	9-27-96	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	--	1953-96	9-23-96	4.6
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49′57″, long 73°07′34″, Suffolk County, 300 ft southeast of Smithtown Blvd., 0.2 mi west of Lake Ronkonkoma	--	1948-49 1953-54 1977-79 1981-86 1988-89 1991-96	9-24-96	.82
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 1973-96	9-23-96	27
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44′52″, long 73°08′45″, Suffolk County, 50 ft downstream from State Highway 27, 1.5 mi northwest of Oakdale	--	1954-69 1971-96	9-23-96	30
01307000[c]	Champlin Creek at Islip, N.Y.	Lat 40°44′13″, long 73°12′08″, Suffolk County, at Long Island Railroad bridge, 220 ft downstream from Moffitt Boulevard, at Islip	6.5[b]	1958-69* 1970-86 1991-96	9-25-96	5.7
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 1974-96	9-25-96	3.2

* 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 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
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	--	1958-96	9-25-96	0.76
01307500[c]	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43′37″, long 73°14′41″, Suffolk County, at Union Avenue, at Bayshore	5[b]	1955-76* 1977-96	9-25-96	3.2
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	--	1958-96	9-25-96	.22
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 1973-96	9-23-96	1.0
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43′37″, long 73°18′46″, Suffolk County, 120 ft downstream from Hunter Avenue and 1.6 mi upstream from gaging station at Babylon	--	1967 1971-96	9-23-96	1.2
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 1969-96	9-23-96	7.6
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 1987-96	9-23-96	39
01309000[c]	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41′30″, long 73°21′20″, Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst	7[b]	1957-69* 1970-96	9-24-96	2.4
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 1971-96	9-24-96	8.7
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40′47″, long 73°21′40″, Suffolk County, 20 ft upstream from State Highway 27A, in Lindenhurst	--	1948-50 1952-96	9-24-96	1.9
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°40′22″, long 73°22′40″, Suffolk County, 30 ft upstream from State highway 27A, at Lindenhurst	--	1953-69 1971-96	9-24-96	.68
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40′13″, long 73°24′51″, Suffolk County, 100 ft upstream from State Highway 27A, at Amityville	--	1953-96	9-24-96	.86
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40′09″, long 73°26′02″, Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville	--	1949 1953-69 1971-88 1990-96	9-20-96	7.1

* 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 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
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 1980-96	9-16-96	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 1973-96	9-16-96	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 1973-96	9-16-96	.57
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	--	1953-96	9-20-96	.60
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 1983-96	9-24-96	1.2
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	--	1973-96	9-16-96	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	--	1973-96	9-16-96	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	--	1963-96	9-24-96	.32
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 1965-96	9-24-96	6.0
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	--	1973-96	9-20-96	.28
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	--	1973-96	9-20-96	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	--	1973-96	9-20-96	0
01310510	East Meadow Pond Outlet at Freeport, N.Y.	Lat 40°39′32″, long 73°34′01″, Nassau County, 50 ft downstream from culvert at Sunrise Highway, and 0.5 mi downstream from gaging station 01310500	--	1975-80 1986 1990-96	9-20-96	.12

Discharge measurements made at low-flow partial-record stations during water year 1996—continued

Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
01310515	Freeport Creek at Freeport, N.Y.	Lat 40°39′28″, long 73°34′22″, Nassau County, 20 ft upstream from culvert at Sunrise Highway, and 0.5 mi downstream from gaging station 01310500	--	1975-80 1986 1990-96	9-20-96	1.6
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39′04″, long 73°36′13″, Nassau County, 50 ft downstream from bridge on State Highway 27A, 0.5 mi east of Baldwin	--	1953-96	9-24-96	4.4
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38′48″, long 73°36′59″, Nassau County, 20 ft downstream from bridge on Foxhurst Road, at Baldwin	--	1953-69 1971-81 1983-84 1986-88 1991-96	9-24-96	.74
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 1995-96	9-24-96	.07
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39′01″, long 73°42′45″, Nassau County, 50 ft downstream from bridge on Rosedale Road, 1 mi southwest of Valley Stream	--	1954-96	9-20-96	.21
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39′47″, long 73°42′21″, Nassau County, 200 ft downstream from West Branch, 500 ft downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft downstream from gaging station	--	1953-96	9-24-96	0

CONTINUOUS RECORDING STATIONS

404931073382101. Local number, N110.1

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 16 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 56.2 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.

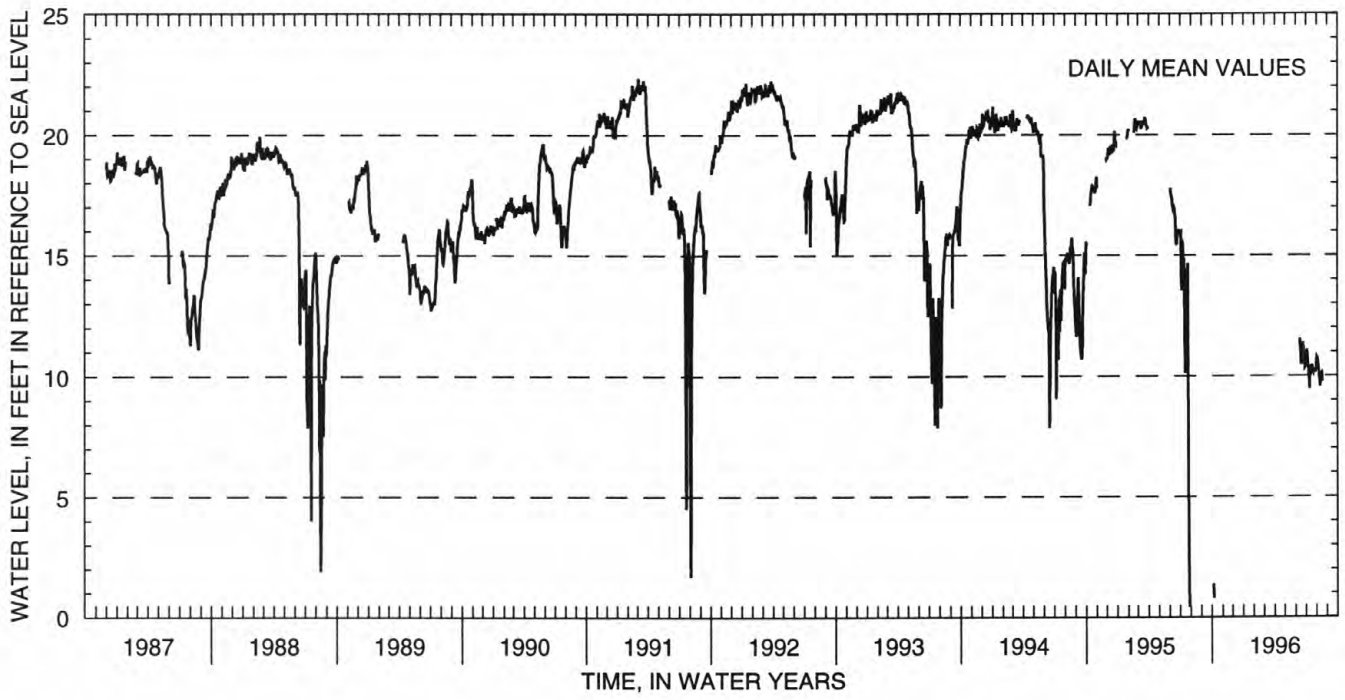
PERIOD OF RECORD.—January 1946 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970- 75, are available in files of the Long Island Subdistrict office.

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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	10.96	10.67	---
10	---	---	---	---	---	---	---	---	---	10.07	9.93	---
15	4.99	---	---	---	---	---	---	---	11.13	10.17	10.07	---
20	---	---	---	---	---	---	---	---	10.85	10.45	---	---
25	---	---	---	---	---	---	---	---	11.18	10.19	---	---
EOM	---	---	---	---	---	---	---	---	10.38	10.41	---	---
MEAN	---	---	---	---	---	---	---	---	10.87	10.34	10.20	---
MAX	---	---	---	---	---	---	---	---	11.54	11.08	10.75	---
MIN	---	---	---	---	---	---	---	---	10.34	9.47	9.58	---

WTR YR 1996 MEAN 10.10 MAX 11.54 MIN 0.77



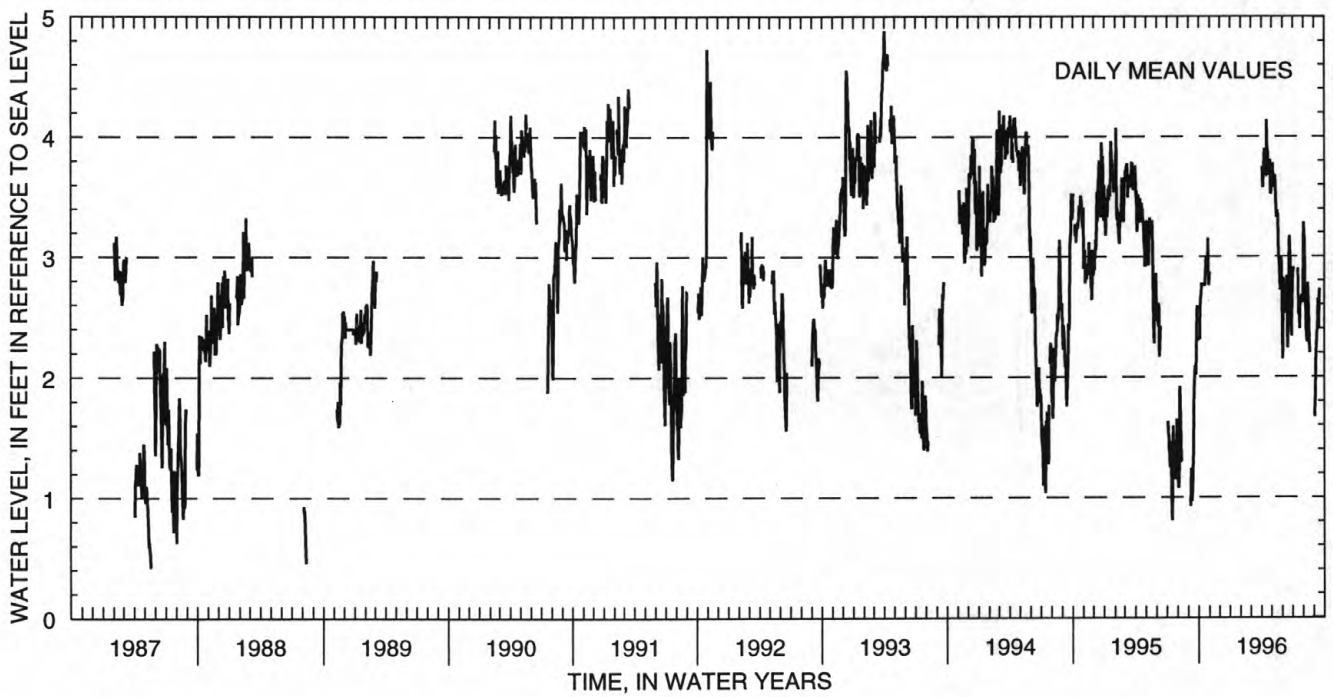
CONTINUOUS RECORDING STATIONS

403805073395301. Local number, N2790.2
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 the 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.39	---	---	---	---	---	3.58	3.64	2.82	---	3.14	1.83
10	2.77	---	---	---	---	---	3.90	3.66	2.53	---	2.40	2.36
15	2.77	---	---	---	---	---	3.67	3.33	2.42	---	2.69	2.52
20	2.77	---	---	---	---	---	3.87	3.14	2.95	2.56	2.20	---
25	2.98	---	---	---	---	---	3.69	2.81	2.76	2.65	---	---
EOM	2.77	---	---	---	---	---	3.74	2.70	2.60	2.68	---	---
MEAN	2.75	---	---	---	---	---	3.76	3.29	2.62	2.67	2.66	2.32
MAX	3.15	---	---	---	---	---	4.14	3.78	3.17	2.91	3.28	2.73
MIN	2.32	---	---	---	---	---	3.53	2.70	2.15	2.40	2.20	1.67

WTR YR 1996 MEAN 2.93 MAX 4.14 MIN 1.67



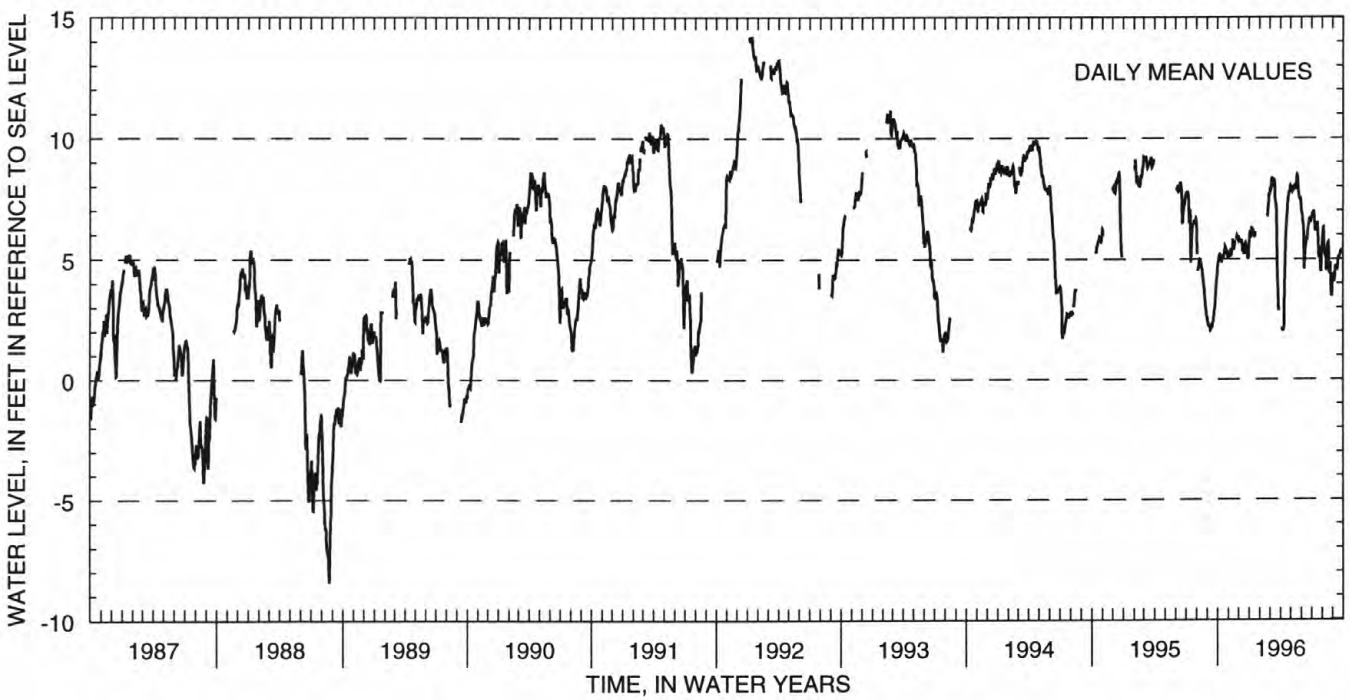
CONTINUOUS RECORDING STATIONS

404418073434101. Local number, Q577.1
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 the 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.97	5.10	5.71	6.02	---	8.01	---	7.81	6.65	6.87	6.31	4.19
10	5.11	5.12	5.81	6.25	---	7.96	2.12	7.88	4.60	6.55	5.12	4.75
15	5.10	5.82	5.43	6.04	---	8.21	4.73	7.86	5.71	6.27	4.84	4.59
20	5.17	5.56	5.69	---	---	7.19	6.75	8.49	6.04	6.07	5.69	5.06
25	5.48	5.79	5.31	---	7.02	3.99	7.59	7.67	6.70	5.49	4.72	5.36
EOM	5.09	5.79	5.37	---	7.68	---	8.01	7.35	6.61	5.32	3.82	5.27
MEAN	5.13	5.50	5.52	6.06	---	6.94	5.34	7.90	6.18	6.04	5.10	4.80
MAX	5.51	5.96	5.94	6.34	---	8.39	8.01	8.49	7.14	6.96	6.32	5.38
MIN	4.56	5.09	5.01	5.61	---	2.87	2.01	7.35	4.60	4.48	3.47	4.08

WTR YR 1996 MEAN 5.89 MAX 8.49 MIN 2.01



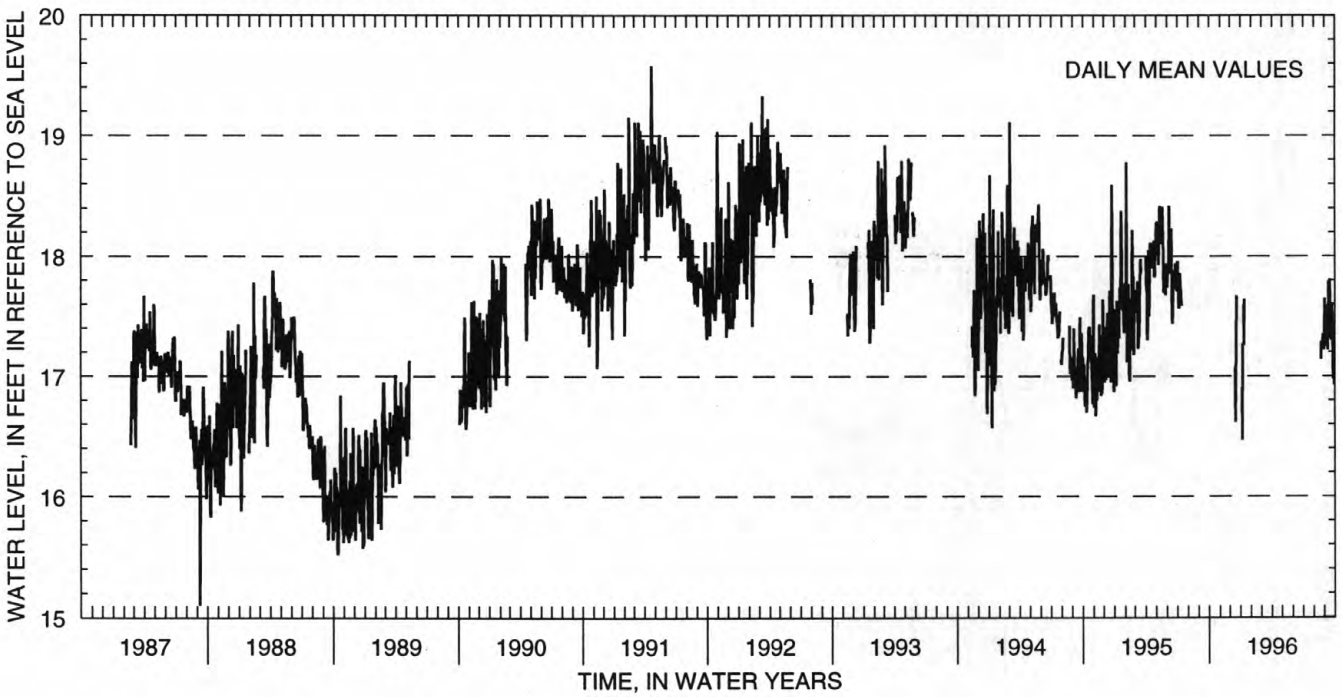
CONTINUOUS RECORDING STATIONS

403727073154601. Local number, S21091.1
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 1962 to current year. Unpublished records from September 1962 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 22.10 ft above sea level, March 16, 1976; lowest measured, 15.13 ft above sea level, June 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	16.91	---	---	---	---	---	---	---	17.30
10	---	---	---	17.60	---	---	---	---	---	---	---	17.33
15	---	---	---	---	---	---	---	---	---	---	---	17.50
20	---	---	17.67	---	---	---	---	---	---	---	---	17.34
25	---	---	---	---	---	---	---	---	---	---	17.23	17.38
EOM	---	---	---	---	---	---	---	---	---	---	17.22	16.93
MEAN	---	---	---	---	---	---	---	---	---	---	---	17.41
MAX	---	---	---	---	---	---	---	---	---	---	---	17.81
MIN	---	---	---	---	---	---	---	---	---	---	---	16.93

WTR YR 1996 MEAN 17.33 MAX 17.81 MIN 16.47



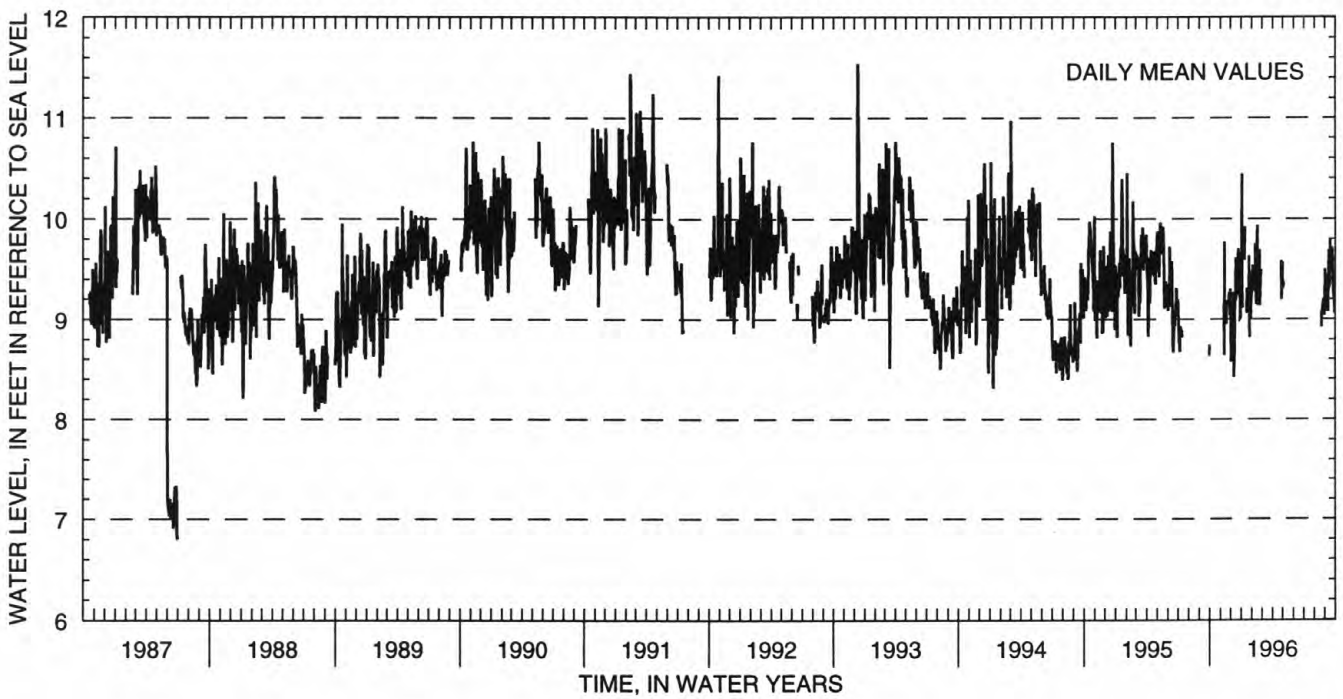
CONTINUOUS RECORDING STATIONS

403727073154503. Local number, S21311.1
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 the 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	8.95	9.11	---	---	---	---	---	---	---	9.08
10	---	---	9.05	---	9.28	---	---	---	---	---	---	9.32
15	---	---	9.15	9.07	9.66	---	---	---	---	---	---	9.45
20	---	9.19	---	---	9.31	---	---	---	---	---	---	---
25	---	9.15	9.55	8.96	9.14	---	---	---	---	---	9.11	9.39
EOM	---	9.21	9.24	9.47	---	---	9.57	---	---	---	9.05	9.06
MEAN	---	9.16	9.14	9.38	9.44	---	---	---	---	---	---	9.37
MAX	---	9.77	9.70	10.44	9.93	---	---	---	---	---	---	9.79
MIN	---	8.64	8.42	8.82	9.14	---	---	---	---	---	---	9.06

WTR YR 1996 MEAN 9.29 MAX 10.44 MIN 8.42



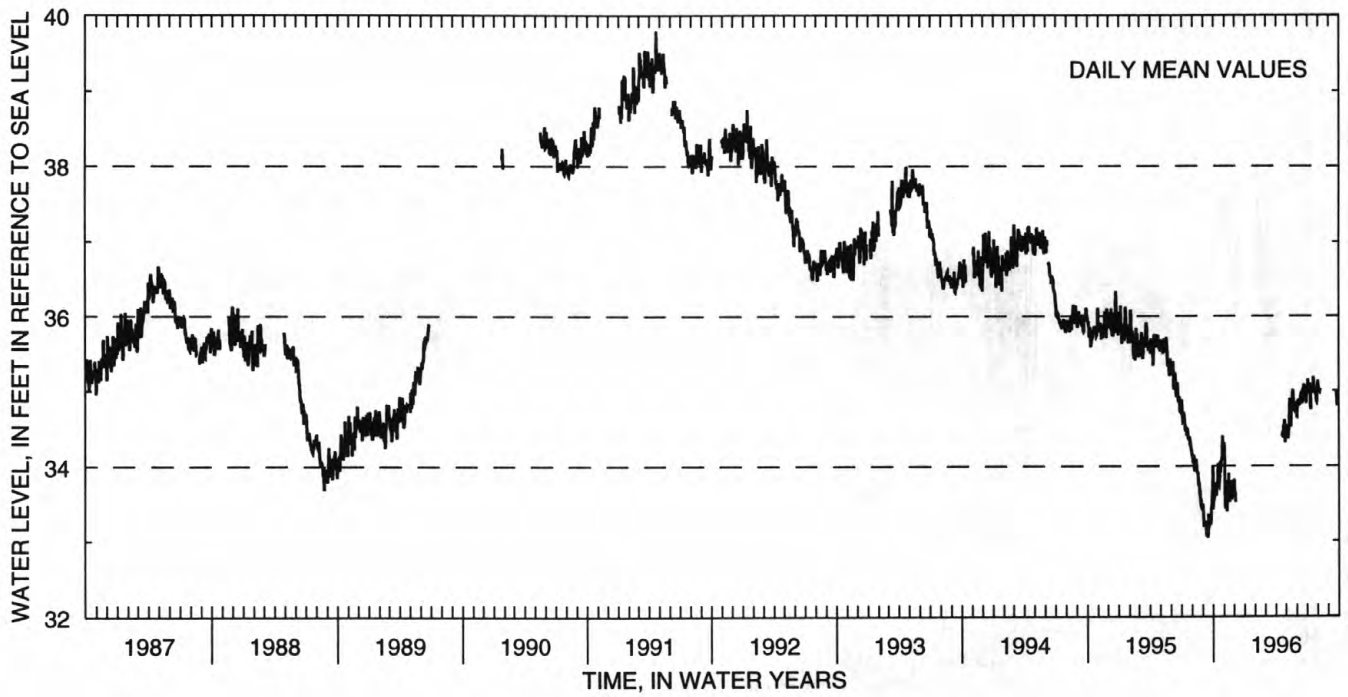
CONTINUOUS RECORDING STATIONS

404935073055901. Local number, S33379.1
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 the 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.60	33.43	33.52	---	---	---	---	34.50	34.84	35.00	35.00	---
10	33.60	33.39	---	---	---	---	---	34.57	34.82	34.95	---	---
15	34.03	33.90	---	---	---	---	---	34.52	34.94	35.02	---	---
20	33.82	33.63	---	---	---	---	34.43	34.99	34.99	35.16	---	---
25	34.08	33.57	---	---	---	---	34.48	34.73	35.06	34.95	---	35.00
EOM	34.08	33.63	---	---	---	---	34.55	34.72	34.92	35.00	---	34.90
MEAN	33.85	33.69	---	---	---	---	34.46	34.68	34.89	35.00	---	---
MAX	34.40	34.31	---	---	---	---	34.61	35.01	35.07	35.18	---	---
MIN	33.42	33.39	---	---	---	---	34.31	34.36	34.63	34.75	---	---

WTR YR 1996 MEAN 34.45 MAX 35.18 MIN 33.39



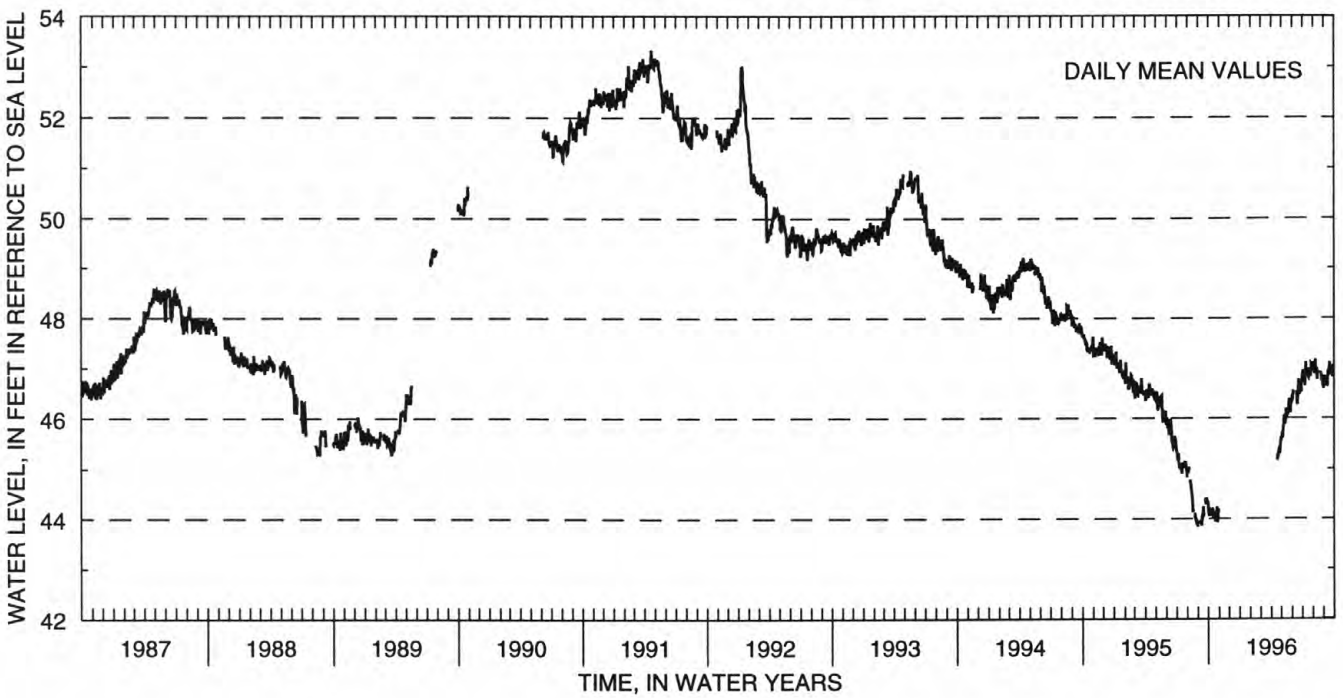
CONTINUOUS RECORDING STATIONS

404932073055902. Local number, S33380.1
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 16, 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 the 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.17	---	---	---	---	---	---	45.68	---	46.76	46.89	46.84
10	44.11	---	---	---	---	---	---	46.05	---	46.80	46.88	46.82
15	44.09	---	---	---	---	---	---	46.17	46.39	46.87	46.95	46.94
20	44.10	---	---	---	---	---	45.25	46.10	46.74	46.89	---	---
25	44.09	---	---	---	---	---	45.41	46.34	46.64	46.85	46.85	46.95
EOM	44.20	---	---	---	---	---	45.55	46.37	46.78	47.11	46.80	46.89
MEAN	44.09	---	---	---	---	---	45.36	46.05	46.54	46.90	46.90	46.82
MAX	44.24	---	---	---	---	---	45.62	46.38	46.78	47.11	47.17	47.12
MIN	43.92	---	---	---	---	---	45.17	45.56	46.27	46.65	46.63	46.59

WTR YR 1996 MEAN 46.10 MAX 47.17 MIN 43.92



PRIMARY WELLS

404059073520702. Local number, K1194.4
LOCATION.—Lat 40°40′59″, long 73°52′07″, Hydrologic Unit 02030202, at east side of Nichols Avenue, 100 ft north of Atlantic Avenue, New Lots. Owner: City of New York.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Driven steel observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 32.1 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.34 ft below land-surface datum.
REMARKS.—Replaced well K1194.3 in July 1970.
PERIOD OF RECORD.—November 1970 to current year. Records for November 1970 to September 1987 are unpublished and are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	9.03	Jan 23	9.28	Mar 14	9.33	Jul 2	9.38	Sep 19	10.72		

404236073574601. Local number, K1301.1
LOCATION.—Lat 40°42′35″, long 73°57′48″, Hydrologic Unit 02030201, at Williamsburg Savings Bank, in basement, 84 ft north of Broadway and 178 ft west of Driggs Avenue, Williamsburg. Owner: Williamsburg Savings Bank.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled unused steel well, diameter 8 in. to 6 in., depth 92 ft, screened 72 to 92 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 52.5 ft above sea level. Measuring point: Hole in top of 4-in steel plug, 9.03 ft below land-surface datum.
PERIOD OF RECORD.—January 1961 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	3.70	Jan 23	4.37	Mar 13	4.40	Jul 2	4.17	Sep 19	4.41		

404155073552108. Local number, K3245.1
LOCATION.—Lat 40°41′55″, long 73°55′22″, Hydrologic Unit 02030201, at west side of Wilson Avenue, 54 ft north of Stanhope Street, Bushwick. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered steel observation well, diameter 2 in., depth 24 ft, screened 21 to 24 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 24.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.05 ft below land-surface datum.
PERIOD OF RECORD.—June 1980 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	6.25	Jan 23	6.23	Mar 13	6.57	Sep 19	6.80				

PRIMARY WELLS

403902073552801. Local number, K3246.1
LOCATION.—Lat 40°39′02″, long 73°55′28″, Hydrologic Unit 02030202, at north side of Snyder Avenue, 86 ft west of East 56th Street, East Flatbush. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 30 ft, screened 27 to 30 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 25.7 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.04 ft below land-surface datum.
PERIOD OF RECORD.—April 1980 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	8.02	Jan 23	9.06	Mar 14	8.41	Sep 19	8.52				

403623074002101. Local number, K3249.1
LOCATION.—Lat 40°36′23″, long 74°00′23″, Hydrologic Unit 02030202, at east side of Bay 16th Street, 42 ft north of Benson Avenue, Bath Beach. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 34 ft, screened 31 to 34 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 31.0 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.—April 1980 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	4.27	Jan 23	4.55	Mar 13	3.93	Jul 2	4.35	Sep 19	4.76		

403520073575501. Local number, K3251.1
LOCATION.—Lat 40°35′20″, long 73°57′55″, Hydrologic Unit 02030202, at north side of Avenue Y, 115 ft west of East 6th Street, Brighton Beach. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 23 ft, screened 20 to 23 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 9.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.—April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 3.52 ft above sea level, September 19, 1996; lowest measured, 2.56 ft above sea level, March 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	3.28	Jan 23	3.44	Mar 13	3.21	Jul 2	3.29	Sep 19	3.52		

PRIMARY WELLS

403702073555808. Local number, K3252.1
LOCATION.—Lat 40°37′04″, long 73°55′59″, Hydrologic Unit 02030202, at east side of Hendrickson Street, 46 ft north of Quentin Avenue, Flatlands. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 30 ft, screened 27 to 30 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 12.7 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.—June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 2.68 ft above sea level, February 11, 1981; lowest measured, 0.68 ft above sea level, October 6, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	1.70	Jan 23	1.94	Mar 14	1.77	Jul 2	1.68	Sep 19	1.89		

403728073590708. Local number, K3253.2
LOCATION.—Lat 40°37′28″, long 73°59′07″, Hydrologic Unit 02030202, at north side of 56th Street, 55 ft west of 18th Avenue, Borough Park. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 46.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.03 ft below land-surface datum.
REMARKS.—Replaced well K3253.1 in April 1981.
PERIOD OF RECORD.—April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 6.30 ft above sea level, January 23, 1996; lowest measured, 4.33 ft above sea level, December 21, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	5.31	Jan 23	6.30	Mar 13	5.48	Jul 2	5.54	Sep 19	5.76		

403737073564908. Local number, K3254.1
LOCATION.—Lat 40°37′36″, long 73°56′46″, Hydrologic Unit 02030202, at east side of East 31st Street, 46 ft south of Avenue J, Flatbush. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 29 ft, screened 26 to 29 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 26.9 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.09 ft below land-surface datum.
PERIOD OF RECORD.—April 1980 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	5.54	Jan 23	5.63	Mar 14	5.76	Jul 2	5.75	Sep 19	5.85		

PRIMARY WELLS

404036073584008. Local number, K3261.1
LOCATION.—Lat 40°40′37″, long 73°58′41″, Hydrologic Unit 02030201, at east side of Lincoln Place, 122 ft north of 6th Avenue, northern most well, Park Slope. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 45 ft, screened 42 to 45 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 64.8 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.—April 1980 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	25.39	Mar 13	25.62	Jul 2	27.45	Sep 19	27.36				

403635073580108. Local number, K3274.1
LOCATION.—Lat 40°36′35″, long 73°58′01″, Hydrologic Unit 02030202, at west side of East 7th Street, 49 ft north of Avenue P, Gravesend. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 34 ft, screened 31 to 34 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 27.0 ft above sea level. Measuring point: Top of 2-in steel casing, 0.28 ft above land-surface datum.
PERIOD OF RECORD.—June 1981 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	4.87	Jan 23	4.97	Mar 14	4.91	Jul 2	4.95	Sep 19	5.17		

403737074011701. Local number, K3275.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	4.38	Jul 2	4.83	Sep 19	4.97						

PRIMARY WELLS

404135073584001. Local number, K3276.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	5.46	Mar 13	5.68	Jul 2	5.64	Sep 19	5.54				

PRIMARY WELLS

404043073413108. Local number, N7.1
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 U.S. Geological Survey 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.

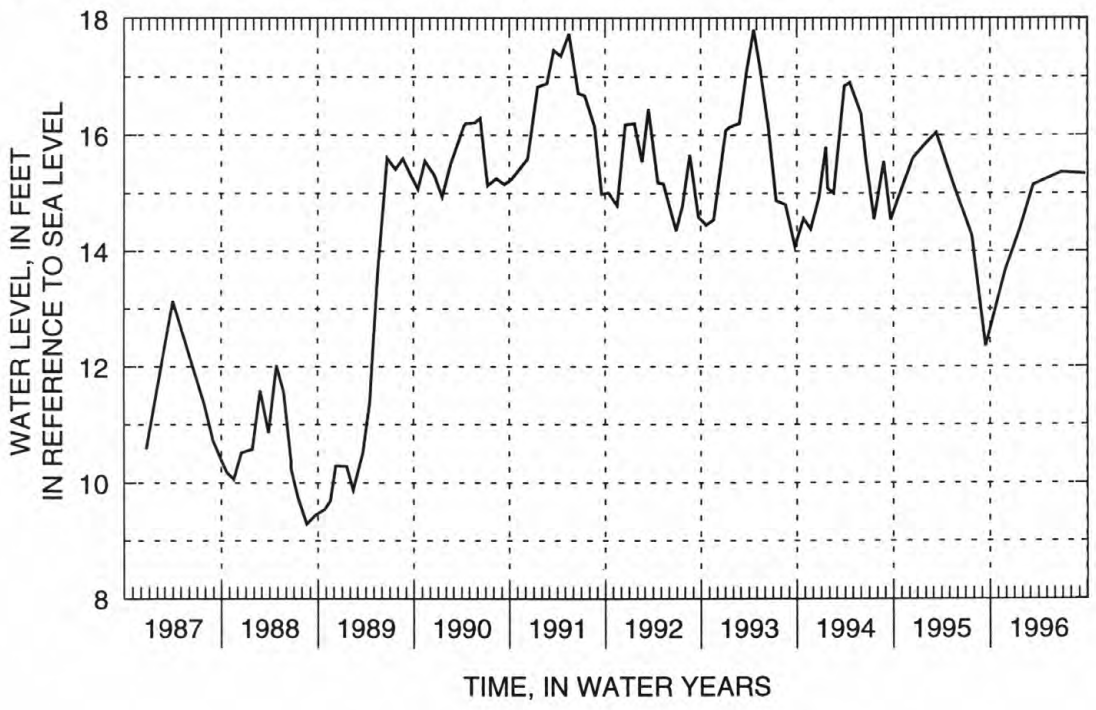
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	6.07	Jan 23	7.86	Mar 12	8.31	Jun 27	6.93	Sep 24	6.09		

404048073412602. Local number, N9.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	13.67	Jan 23	14.41	Mar 12	15.14	Jun 27	15.36	Sep 24	15.33		

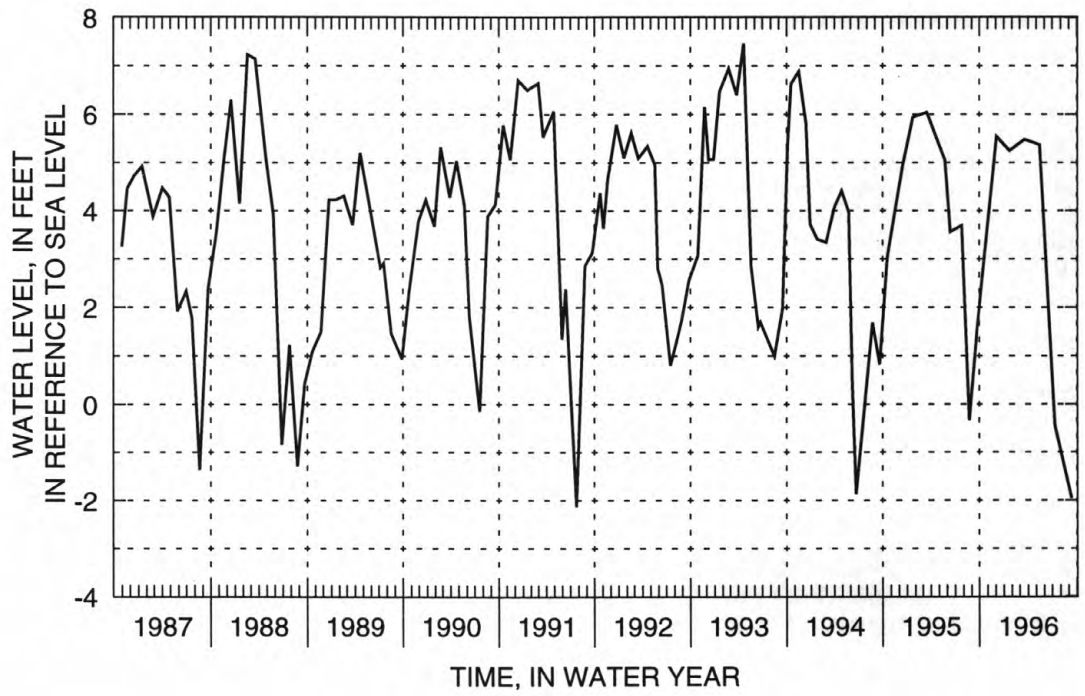


PRIMARY WELLS

405010073414901. Local number, N35.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	5.54	Jan 23	5.25	Mar 19	5.48	May 15	5.37	Jul 11	-0.45	Sep 11	-1.96

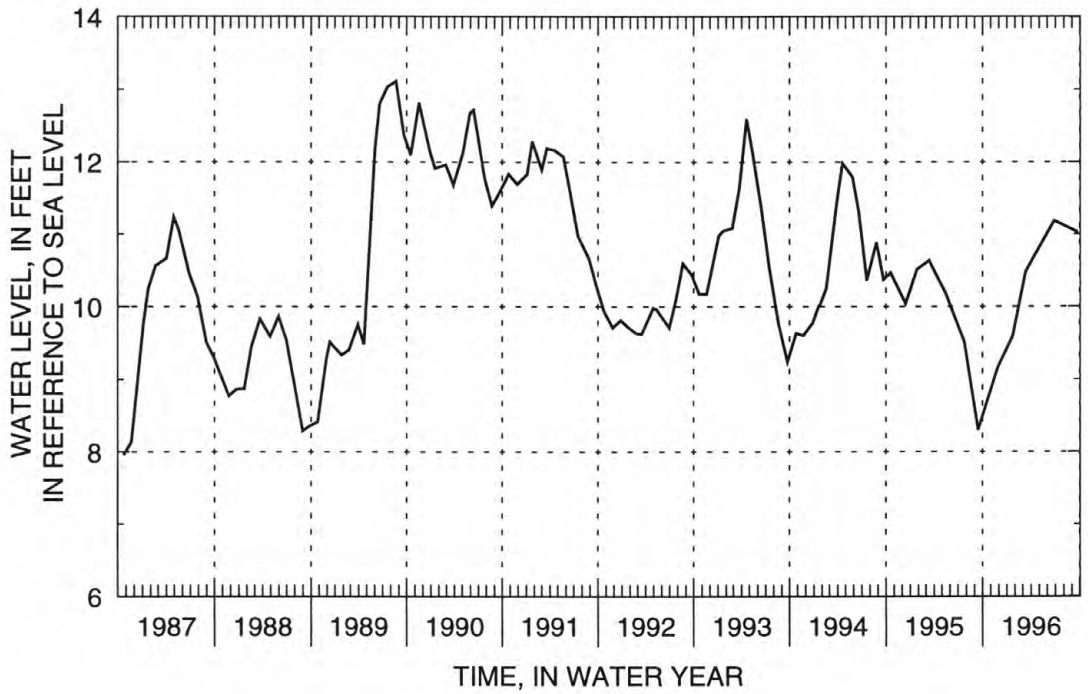


PRIMARY WELLS

403929073382908. Local number, N53.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	9.16	Jan 23	9.59	Mar 12	10.48	Jun 27	11.18	Sep 24	11.02		



403922073353501. Local number, N67.1
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 (State Route 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	9.37	Jan 22	9.99	Mar 13	10.51	Jul 2	9.25	Sep 16	8.44		

PRIMARY WELLS

404030073293703. Local number, N180.2
LOCATION.—Lat 40°40′30″, long 73°29′37″, Hydrologic Unit 02030202, at Long Island Railroad track embankment, 200 ft north of Sunrise Highway (State Route 27), west of Seaford-Oyster Bay Expressway (State Route 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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 16.0 ft above sea level. Measuring point: Top of 4-in steel coupling, 13.69 ft above land-surface datum.
PERIOD OF RECORD.—October 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 21.08 ft above sea level, June 6, 1952; lowest measured, 10.63 ft above sea level, July 1, 1986.

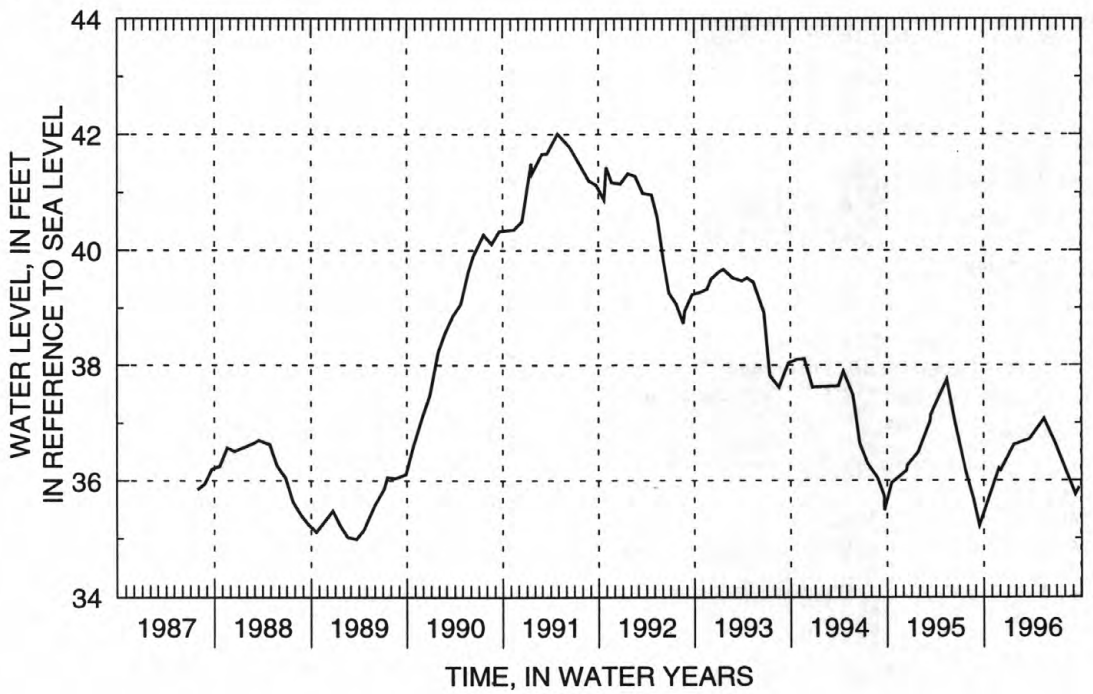
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	15.55	Jan 22	14.11	Sep 27	14.40						

404609073421602. Local number, N1102.2
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 U.S. Geological Survey 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 N1102.1 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	36.21	Jan 23	36.62	May 16	37.07	Jun 27	36.64	Sep 10	35.76	Sep 24	35.88
Dec 4	36.18	Mar 22	36.72								

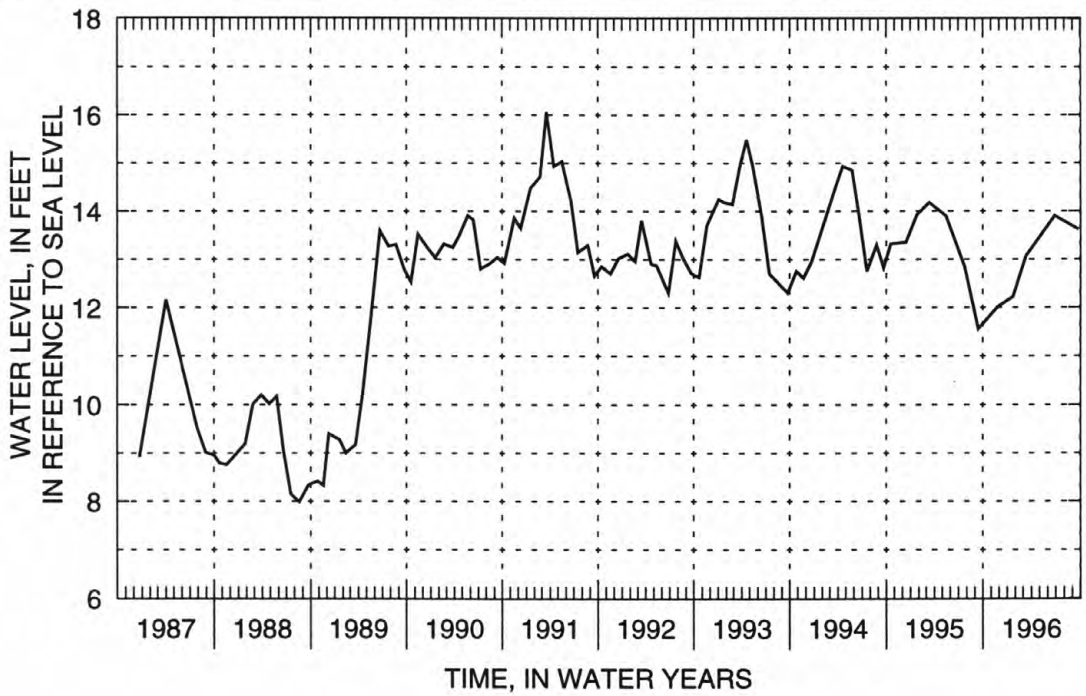


PRIMARY WELLS

404039073420001. Local number, N1110.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	12.02	Jan 23	12.22	Mar 12	13.07	Jun 27	13.90	Sep 24	13.62		

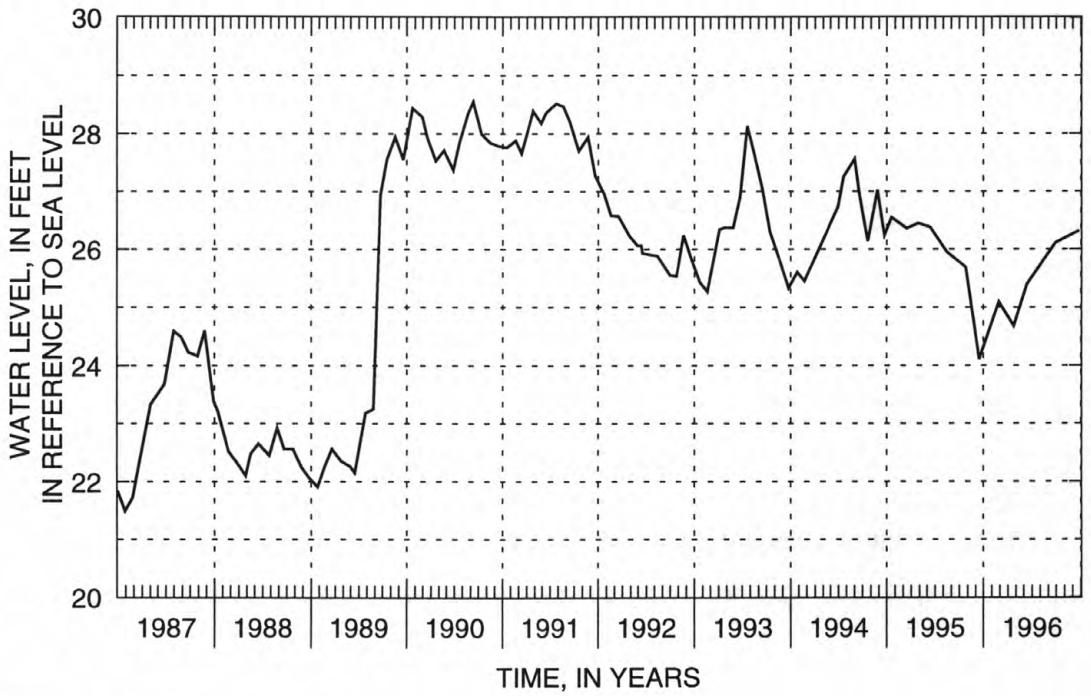


PRIMARY WELLS

404125073394802. Local number, N1129.2
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 U.S. Geological Survey 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 N1129.1 in October 1966 at same location, unpublished record from August 1937 to October 1966 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.—October 1966 to current year. Unpublished records from October 1966 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	25.09	Jan 23	24.68	Mar 12	25.39	Jun 27	26.11	Sep 24	26.32		



405104073375201. Local number, N1152.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	46.11	Jan 22	46.10	May 17	47.44	Jul 2	47.49	Sep 12	47.35	Sep 16	47.33
Dec 6	45.99	Mar 19	46.67								

PRIMARY WELLS

404659073332601. Local number, N1194.2
LOCATION.—Lat 40°46′59″, long 73°33′26″, Hydrologic Unit 02030202, at north side of Long Island Expressway westbound service road, just west of Jericho Turnpike (State Route 25), Jericho. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 100 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 168.0 ft above sea level. Measuring point: Top of 4-in steel casing, 0.02 ft below land-surface datum.
REMARKS.—Replaced well N1194.2 in December 1961.
PERIOD OF RECORD.—December 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 92.18 ft above sea level, June 7, 1979; lowest measured, 74.59 ft above sea level, July 17, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	75.97	Jan 22	75.72	May 15	76.07	Jun 28	76.18	Sep 10	76.36	Sep 27	76.61
Dec 8	75.86	Mar 20	75.65								

404453073323902. Local number, N1197.4
LOCATION.—Lat 40°44′53″, long 73°32′39″, Hydrologic Unit 02030202, at west side of Abode Lane, 41 ft north of Stewart Avenue, Hicksville. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 69 ft, screened 64 to 69 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 117.0 ft above sea level. Measuring point: Top of 4-in steel coupling, 0.95 ft below land-surface datum.
REMARKS.—Replaced well N1197.3 in July 1975.
PERIOD OF RECORD.—July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 80.13 ft above sea level, June 7, 1979; lowest measured, 63.27 ft above sea level, January 22, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	63.55	Jan 22	63.27	Mar 13	63.67	Jun 28	64.97	Sep 27	64.71		

405000073293301. Local number, N1228.3
LOCATION.—Lat 40°50′00″, long 73°29′33″, Hydrologic Unit 02030201, at south side of Cold Spring Road, 332 ft west of Townsend Road, Syosset. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 176 ft, screened 173 to 176 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 227.0 ft above sea level. Measuring point: Top of 4-in steel casing, 0.12 ft above land-surface datum.
REMARKS.—Replaced well N1228.2 in February 1962.
PERIOD OF RECORD.—February 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 70.69 ft above sea level, May 29, 1980; lowest measured, 52.22 ft above sea level, July 18, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	58.99	Jan 22	58.77	Mar 18	58.76	May 16	59.00	Jun 28	59.00	Sep 11	58.86
Dec 8	58.99										

PRIMARY WELLS

405027073272602. Local number, N1243.5

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 U.S. Geological Survey 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.

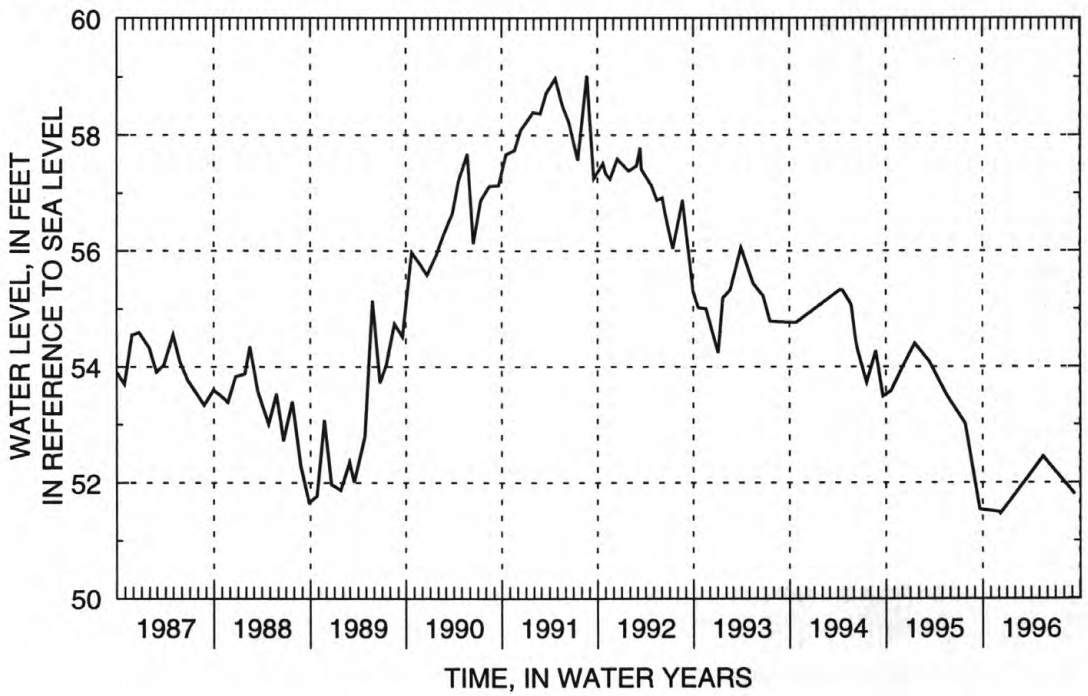
REMARKS.—Replaced well N1243.4 in September 1975 at same location, unpublished records from November 1939 to September 1975 are available in files of the Long Island Subdistrict Office.

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, 51.47 ft above sea level, December 8, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	51.49	Dec 8	51.47	Mar 18	52.08	May 16	52.45	Sep 11	51.80		

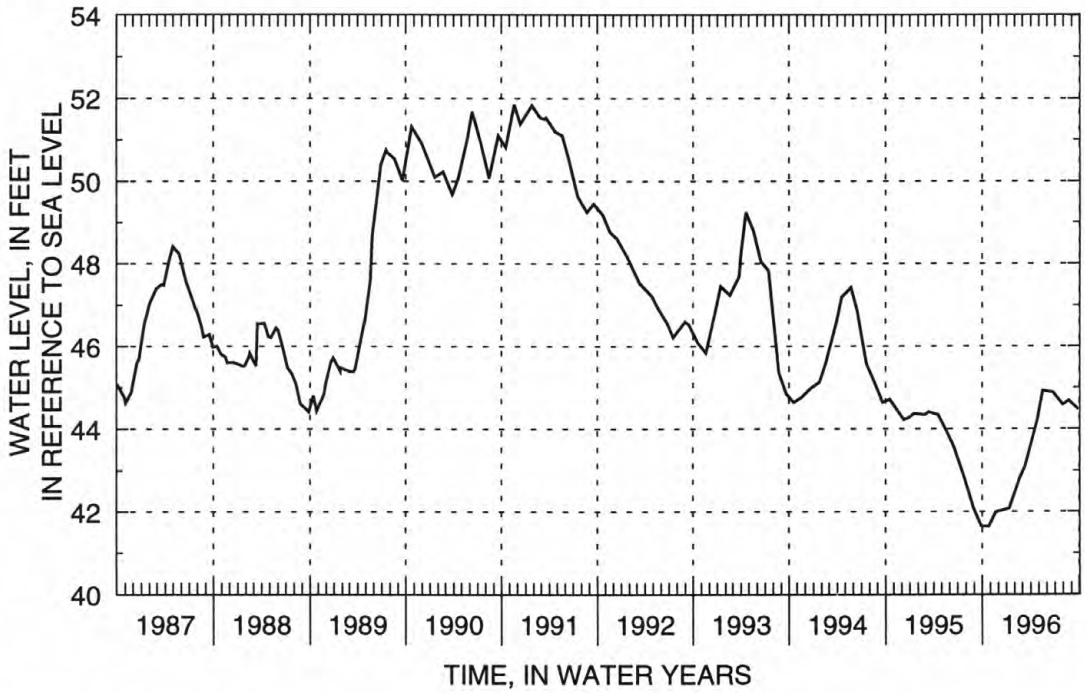


PRIMARY WELLS

404317073291105. Local number, N1259.5
LOCATION.—Lat 40°43′16″, long 73°29′10″, Hydrologic Unit 02030202, at south side of Mary Lane, 79 ft east of Hicksville Road (State Route 107), Plainedge. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Driven steel observation well, diameter 1 1/4 in., depth 41 ft, screened 38 to 41 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 78.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 0.08 ft above land-surface datum.
REMARKS.—Replaced well N1259.4 in June 1961 at same location, unpublished records from January 1909 to June 1961 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.—June 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 57.60 ft above sea level, February 21, 1978; lowest measured, 41.64 ft above sea level, October 26, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	41.64	Jan 11	42.08	Mar 11	43.11	May 16	44.92	Jul 30	44.58	Sep 26	44.46
Nov 21	41.99	Feb 20	42.82	Apr 26	44.23	Jun 24	44.88	Aug 22	44.68		



404042073292601. Local number, N1464.1
LOCATION.—Lat 40°40′42″, long 73°29′26″, Hydrologic Unit 02030202, at north side of Franklin Avenue, 102 ft east of Grant Avenue, in sidewalk, Seaford. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 1 1/4 in. to 6 in., depth 42 ft, screened 32 to 42 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 28.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing extension, 0.37 ft below land-surface datum.
PERIOD OF RECORD.—May 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 20.43 ft above sea level, March 25, 1975; lowest measured, 12.22 ft above sea level, January 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	15.03	Jan 22	15.08	Mar 14	15.69	Jun 28	16.01	Sep 27	15.68		

PRIMARY WELLS

405019073415301. Local number, N1482.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	6.41	Mar 19	6.75	May 15	6.32	Jul 11	2.62	Sep 11	-0.21		

405019073415302. Local number, N1483.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	7.62	Jan 23	7.72	Mar 19	8.10	May 15	8.61	Jul 11	7.88	Sep 11	7.45

405019073415303. Local number, N1484.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

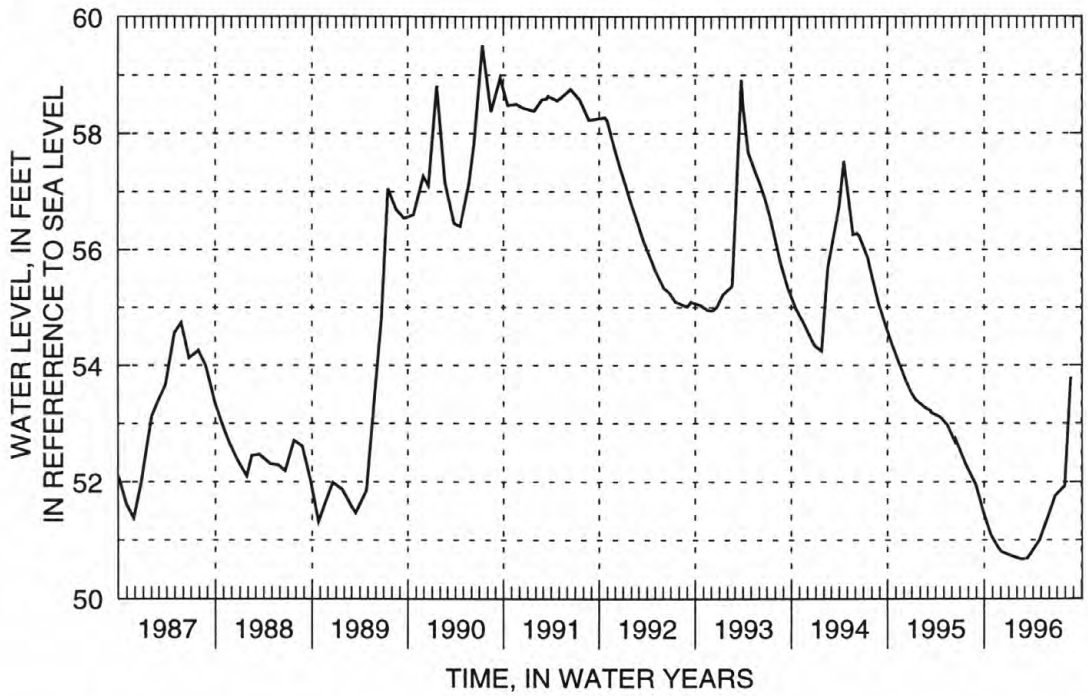
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	8.30	Jan 23	8.54	Mar 19	8.87	May 15	9.30	Jul 11	8.55	Sep 11	7.12

PRIMARY WELLS

404446073392904. Local number, N1614.4
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 U.S. Geological Survey 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 N1614.3 in April 1966 at same location, unpublished records from December 1933 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	51.09	Jan 11	50.73	Mar 11	50.69	Apr 26	51.00	May 16	51.25	Jul 30	51.93
Nov 21	50.88	Feb 20	50.67	Mar 21	50.75	May 15	51.26	Jun 24	51.76	Aug 22	53.79
Dec 5	50.80										



404209073340601. Local number, N1615.3
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 U.S. Geological Survey 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 N1615.2 in August 1966 at same location, unpublished record from March 1913 to August 1966 are available in files of the 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 the 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 1995 TO SEPTEMBER 1996

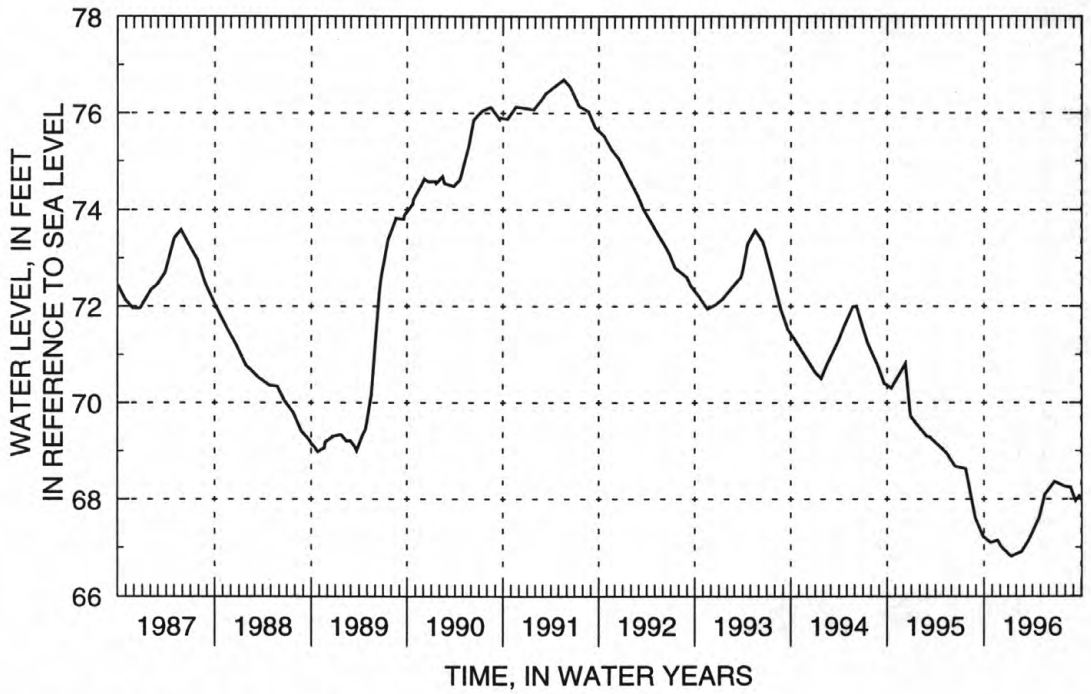
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jul 30	45.47	Sep 26	44.47								

PRIMARY WELLS

404554073351502. Local number, N1616.2
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 U.S. Geological Survey 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 N1616.1 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 the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 82.14 ft above sea level, June 20, 1980; lowest measured, 66.82 ft above sea level, January 11, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	67.09	Jan 11	66.82	Mar 21	67.17	May 16	68.08	Jul 30	68.26	Sep 10	67.96
Nov 21	67.14	Feb 20	66.91	Apr 26	67.61	Jun 24	68.36	Aug 22	68.24	Sep 26	68.08
Dec 5	67.01	Mar 11	67.08	May 15	68.03						



405101073343401. Local number, N2528.2
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 U.S. Geological Survey 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 N2528.1 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	62.87	Jan 26	62.58	May 17	63.64	Jun 28	63.71	Sep 12	63.58	Sep 30	63.58
Dec 8	62.86	Mar 18	61.87								

PRIMARY WELLS

404619073270601. Local number, N3355.2
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 U.S. Geological Survey 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.

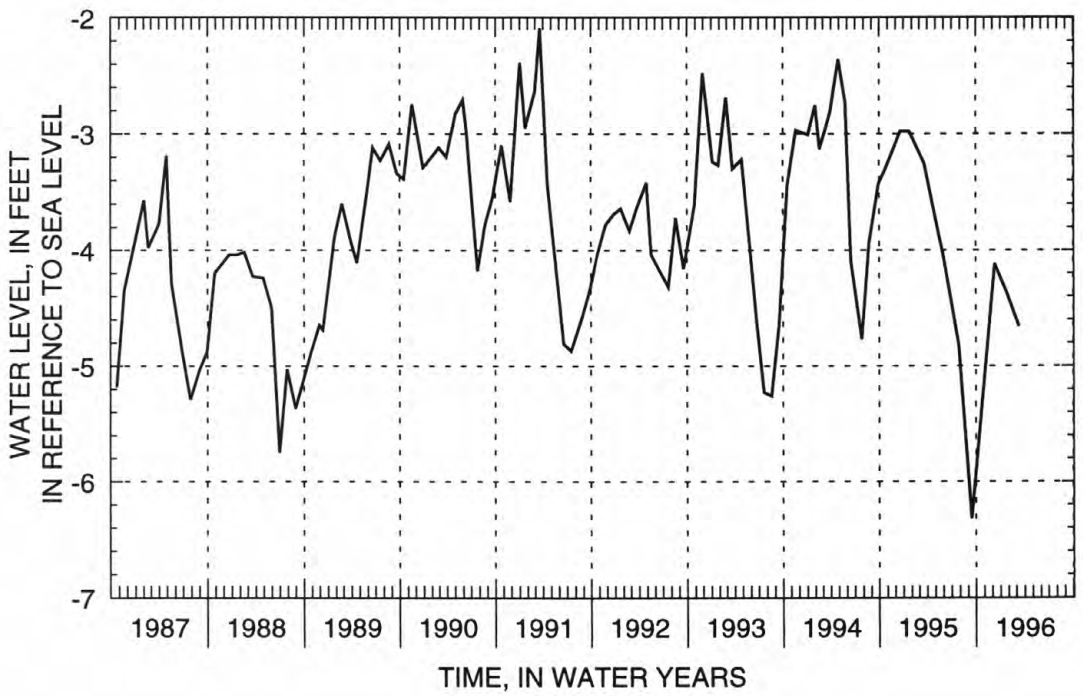
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	28.83	Mar 14	29.52	Sep 30	28.81						

403751073440201. Local number, N3861.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	-4.12	Jan 23	-4.36	Mar 11	-4.66						

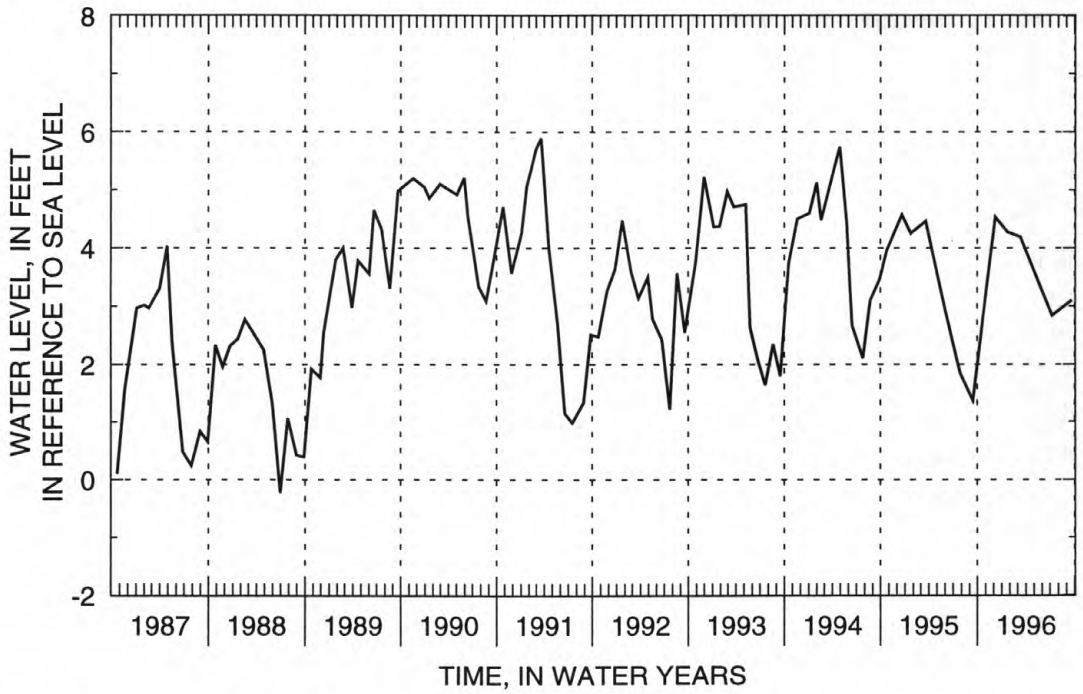


PRIMARY WELLS

403911073432701. Local number, N3867.2
LOCATION.—Lat 40°39′12″, long 73°43′20″, Hydrologic Unit 02030202, at Brook Road Park, 35 ft south of Brook Road, 41 ft east of stream, eastern most well, Green Acres. Owner: United States Geological Survey.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 6 in., depth 517 ft, screened 505 to 517 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 7.7 ft above sea level. Measuring point: Top of 6-in steel casing, 1.54 ft above land-surface datum.
REMARKS.—Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.—January 1953 to current year. Unpublished records from January 1953 to September 1975 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	4.53	Jan 23	4.27	Mar 11	4.19	Jul 9	2.84	Sep 20	3.10		



403751073440202. Local number, N3932.1
LOCATION.—Lat 40°37′51″, long 73°44′01″, Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, 37 ft east of Arlington Place, north of Peninsula Boulevard, Cedarhurst. Owner: Nassau County Department of Public Works.
AQUIFER.—Jameco (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 178 ft, screened 172 to 176 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 7.0 ft above sea level. Measuring point: Top of 4-in steel nipple, 3.24 ft above land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—June 1952 to current year. Unpublished records from June 1952 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	4.17	Jan 23	3.93	Mar 11	3.44	Jul 9	3.12	Sep 27	3.40		

PRIMARY WELLS

403713073415901. Local number, N4026.1
LOCATION.—Lat 40°37′12″, long 73°41′59″, Hydrologic Unit 02030202, at Woodsburgh Town Dock parking field, south end of Woodmere Boulevard, on west side of sewer treatment substation, Woodsburgh. Owner: Nassau County Department of Public Works.
AQUIFER.—Jameco (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 6 in., depth 153 ft, screened 149 to 153 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	4.59	Jan 23	4.47	Mar 12	3.87	Jul 9	3.44	Sep 20	3.78		

403911073432001. Local number, N4213.1
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.
AQUIFER.—Jameco (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 6 in., depth 134 ft, screened 130 to 134 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

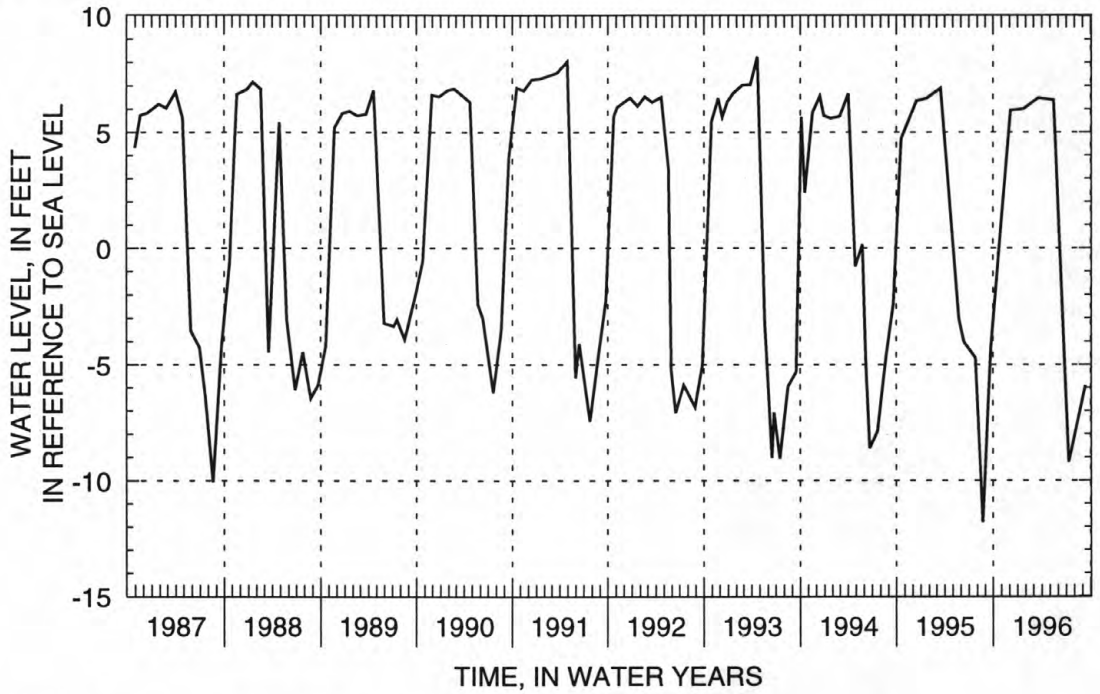
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	4.74	Jan 23	4.18	Mar 11	3.76	Jul 9	2.53	Sep 20	2.82		

PRIMARY WELLS

405125073420702. Local number, N6282.2
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	5.95	Jan 23	6.01	Mar 19	6.48	May 15	6.39	Jul 11	-9.21	Sep 11	-5.92



405001073343205. Local number, N6294.2
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 U.S. Geological Survey 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 the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 73.07 ft above sea level, December 18, 1984; lowest measured, 62.40 ft above sea level, January 26, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	62.72	Jan 26	62.40	May 17	63.45	Jun 28	63.59	Sep 12	63.58	Sep 30	63.44
Dec 8	62.76	Mar 18	62.65								

PRIMARY WELLS

405125073420705. Local number, N6342.1
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, eastern most well, Sands Point. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 1 1/4 in., depth 185 ft, screened 183 to 185 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 97.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 3.99 ft above land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—August 1957 to current year. Unpublished records from August 1957 to September 1987 are available in files of the Long Island Subdistrict Office.
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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 5	18.39	Jan 23	16.77	Mar 19	17.02	May 15	17.72	Jul 11	19.28	Sep 11	19.49

405212073354002. Local number, N6668.1
LOCATION.—Lat 40°52′12″, long 73°35′40″, Hydrologic Unit 02030201, at east side of Piping Rock Road, 58 ft south of Underhill Road, southern entrance, Matinecock. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 1 1/4 in., depth 43 ft, screened 41 to 43 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 103.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 0.35 ft above land-surface datum.
PERIOD OF RECORD.—April 1968 to current year. Unpublished records from April 1968 to September 1982 are available in files of the Long Island Subdistrict Office.
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 1995 TO SEPTEMBER 1996

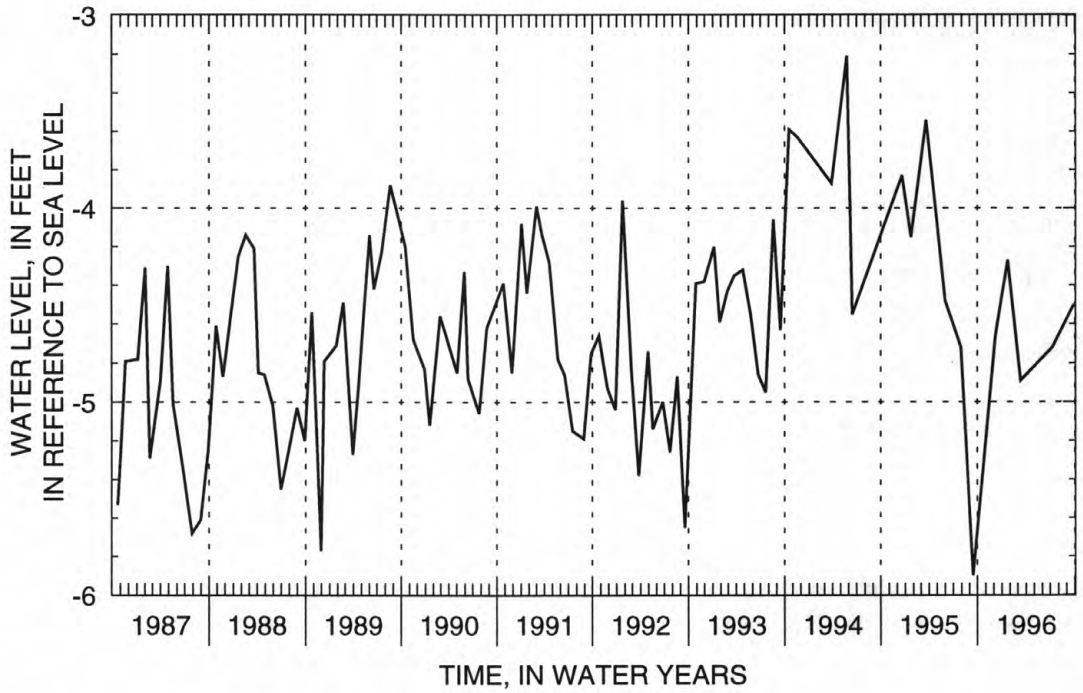
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	63.72	Dec 8	63.74	Jun 28	64.38	Sep 30	64.82				

PRIMARY WELLS

403517073430702. Local number, N6702.1
LOCATION.—Lat 40°35′17″, long 73°43′06″, Hydrologic Unit 02030202, at pumping center, 0.1 mi 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	-4.66	Jan 23	-4.27	Mar 12	-4.89	Jul 9	-4.72	Sep 27	-4.50		



403517073430705. Local number, N6705.1
LOCATION.—Lat 40°35′17″, long 73°43′06″, Hydrologic Unit 02030202, at pumping center, 0.1 mi 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

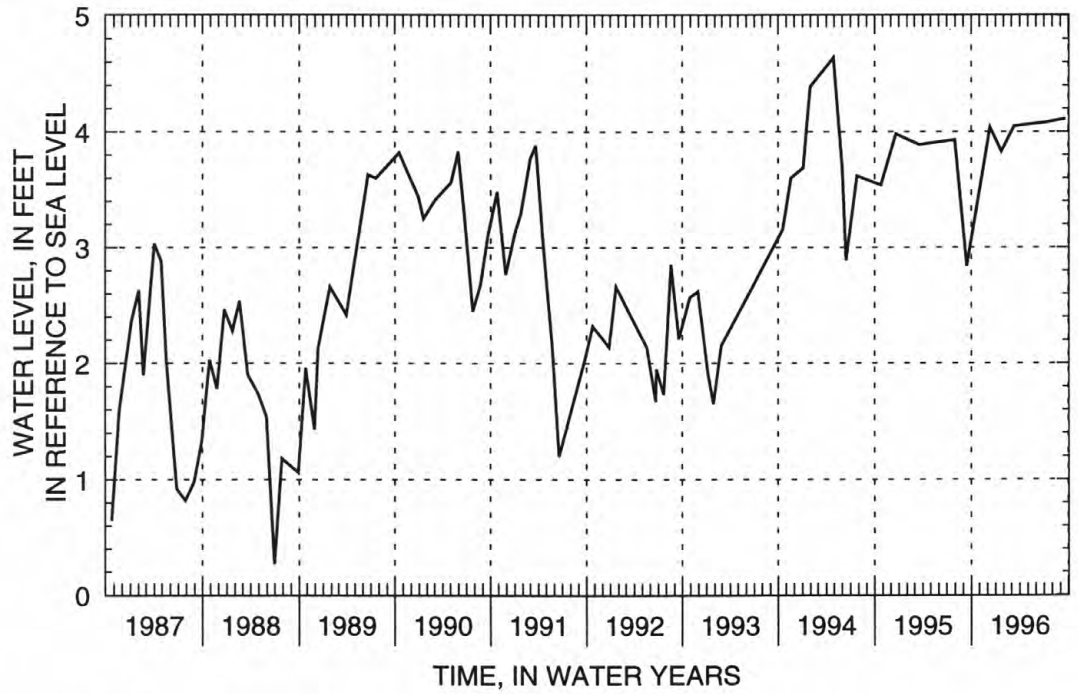
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	1.30	Jan 23	1.65	Mar 12	1.02	Jul 9	1.84	Sep 27	1.70		

PRIMARY WELLS

403713073415902. Local number, N6707.1
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 U.S. Geological Survey 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 1959 to current year. Unpublished records from October 1959 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	4.04	Jan 23	3.83	Mar 12	4.05	Jul 9	4.08	Sep 20	4.11		



403533073353201. Local number, N6849.1
LOCATION.—Lat 40°35′33″, long 73°35′32″, Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 mi 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	6.14	Jan 22	6.29	Mar 18	6.49	Jul 2	6.78	Sep 16	6.53		

PRIMARY WELLS

403533073353202. Local number, N6850.2

LOCATION.—Lat 40°35′33″, long 73°35′32″, Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 mi 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 U.S. Geological Survey 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.

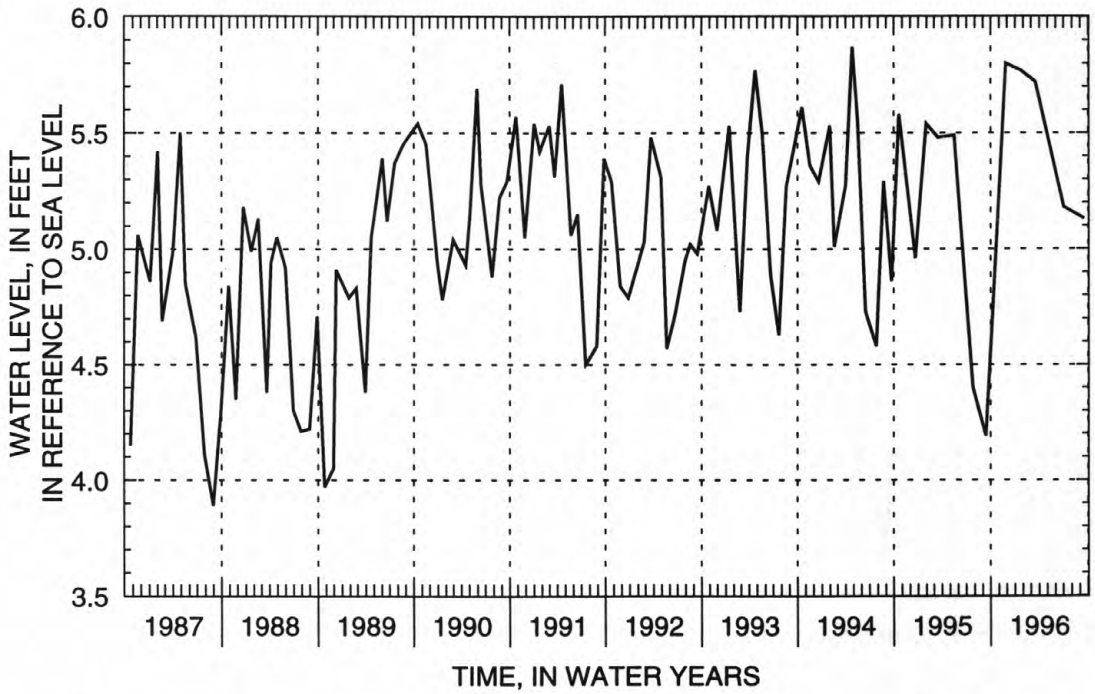
REMARKS.—Water level affected by tidal fluctuation and nearby pumping. Replaced well N6850.1 in May 1960.

PERIOD OF RECORD.—June 1960 to current year. Unpublished records from June 1960 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	5.80	Jan 22	5.77	Mar 18	5.72	Jul 2	5.18	Sep 16	5.13		



405311073331801. Local number, N6879.1

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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	26.61	Dec 7	26.37	Jan 22	26.80	Mar 19	26.79	Jul 2	27.80	Sep 16	27.47

PRIMARY WELLS

405432073345001. Local number, N7152.1

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 U.S. Geological Survey 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.

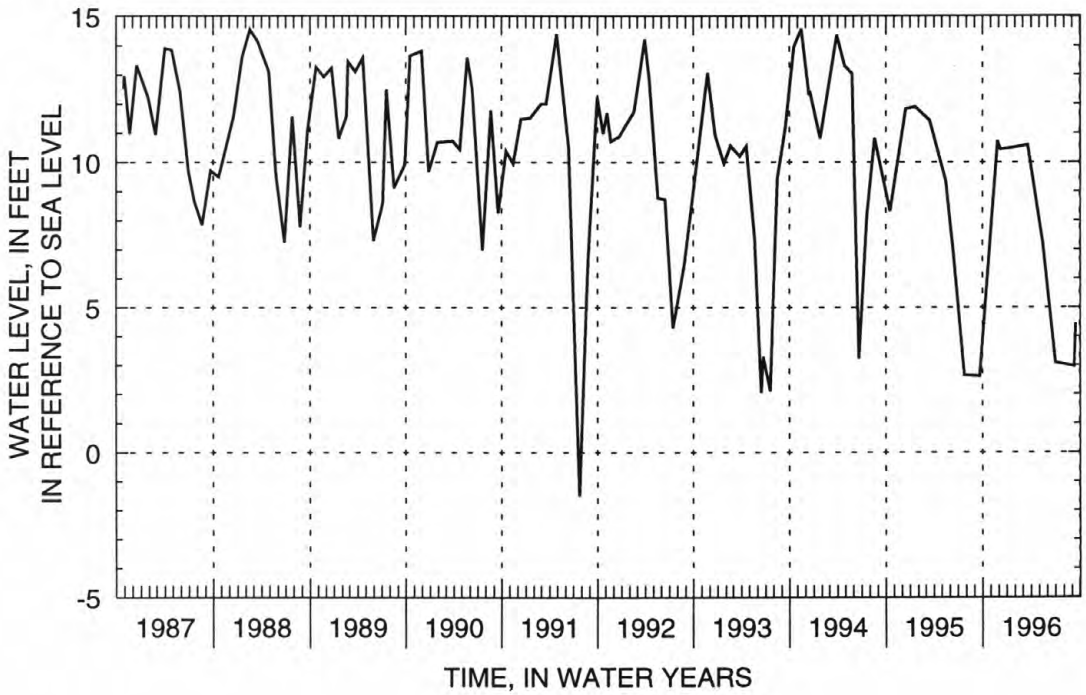
REMARKS.—Water level affected by tidal fluctuation and nearby pumping.

PERIOD OF RECORD.—September 1961 to current year. Unpublished records from September 1961 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 27	10.72	Jan 22	10.49	May 15	7.22	Jul 2	3.08	Sep 10	2.95	Sep 16	4.44
Dec 7	10.44	Mar 19	10.59								



PRIMARY WELLS

403856073392603. Local number, N7161.2

LOCATION.—Lat 40°38′56″, long 73°39′26″, Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, 79 ft north of the end of Roxbury Road, northern most well, Rockville Centre. Owner: Village of Rockville Centre.

AQUIFER.—Magothy (confined).

WELL CHARACTERISTICS.—Drilled steel observation well, diameter 6 in., depth 666 ft, screened 661 to 665 ft.

INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.—Land-surface datum is 7.0 ft above sea level. Measuring point: Top of 6-in steel casing, 2.78 ft above land-surface datum.

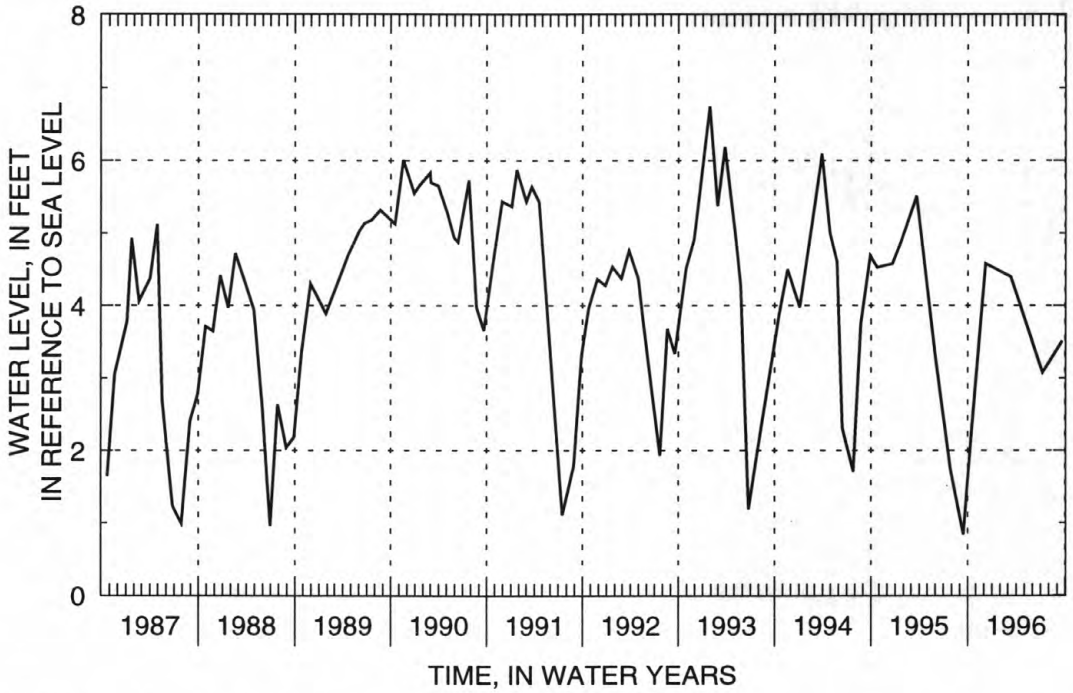
REMARKS.—Water level affected by tidal fluctuation and nearby pumping. Replaced well N7161.1 in September 1961.

PERIOD OF RECORD.—October 1961 to current year. Unpublished records from October 1961 to September 1975 are available in files of the Long Island Subdistrict Office.

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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	4.58	Mar 12	4.40	Jul 9	3.08	Sep 20	3.51				



403855073392402. Local number, N7207.1

LOCATION.—Lat 40°38′55″, long 73°39′24″, Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, 44 ft north of the end of Roxbury Road, southern most well, Rockville Centre. Owner: Village of Rockville Centre.

AQUIFER.—Upper glacial (water table).

WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 98 ft, screened 95 to 98 ft.

INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.

DATUM.—Land-surface datum is 8.0 ft above sea level. Measuring point: Top of 4-in to 2-in steel reducer, 2.39 ft above land-surface datum.

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

PERIOD OF RECORD.—January 1968 to current year. Unpublished records from January 1968 to September 1987 are available in files of the Long Island Subdistrict Office.

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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

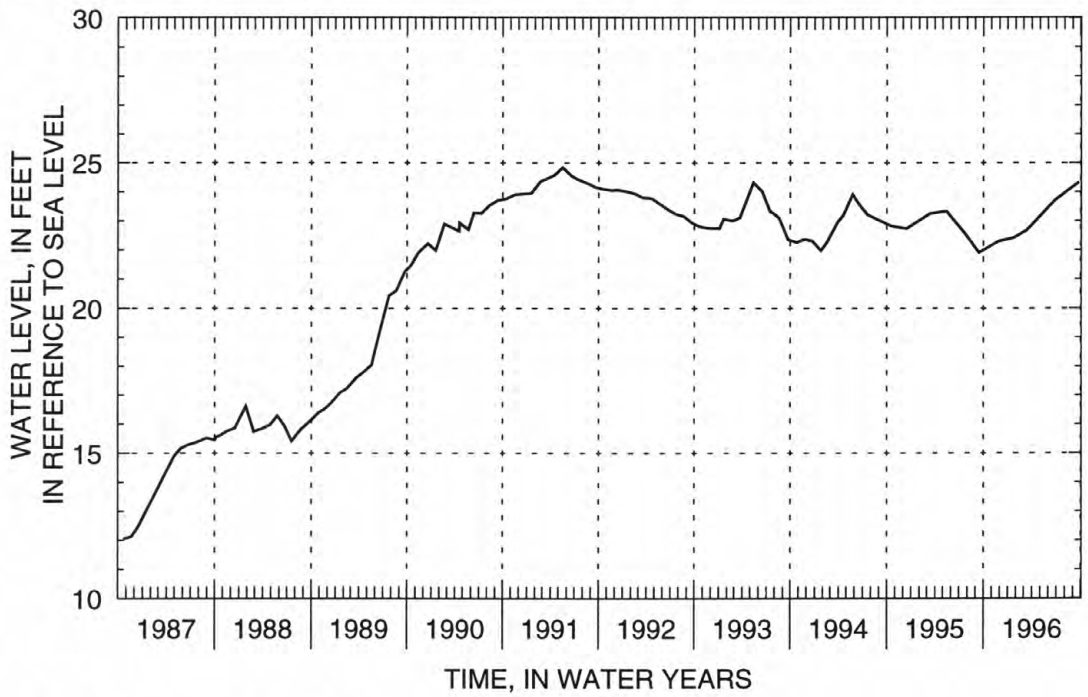
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	3.66	Mar 12	3.70	Jul 9	3.93	Sep 20	2.82				

PRIMARY WELLS

404237073433701. Local number, N7493.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	22.29	Jan 23	22.41	Mar 12	22.67	Jun 27	23.71	Sep 24	24.32		



404705073394902. Local number, N7554.2
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 U.S. Geological Survey 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 N7554.1 in May 1964.
PERIOD OF RECORD.—March 1964 to current year. Unpublished records from March 1964 to September 1987 are available in files of the 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 1995 TO SEPTEMBER 1996

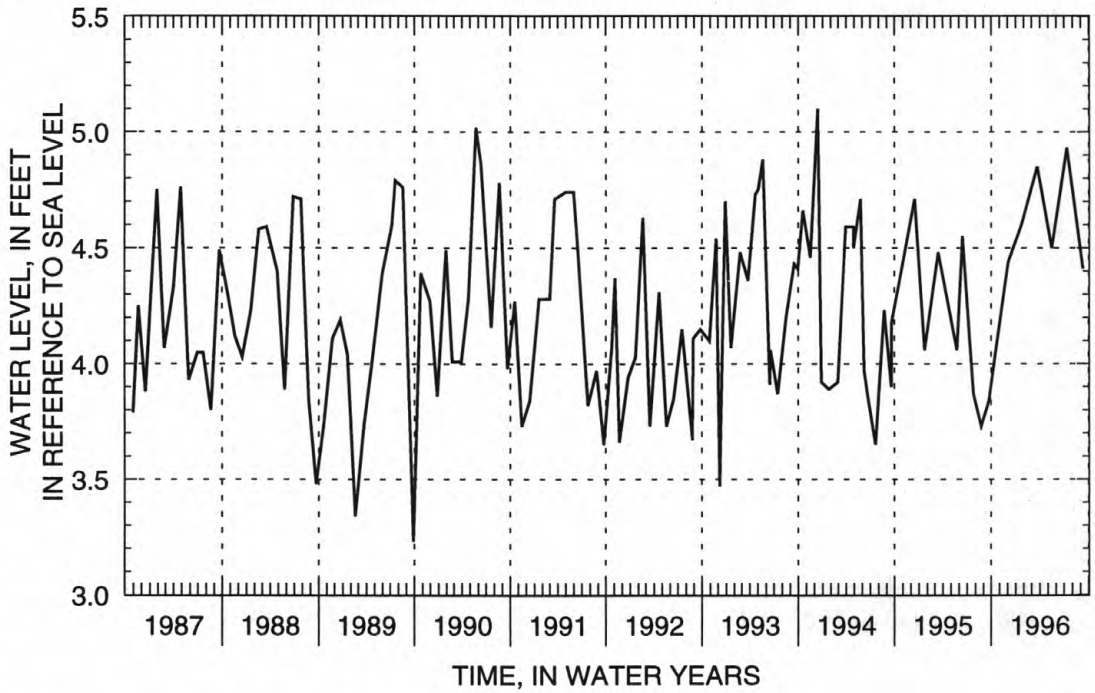
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	32.68	Jan 23	34.49	May 15	37.42	Jun 27	35.67	Sep 11	35.93	Sep 24	36.62
Dec 5	33.34	Mar 19	35.47								

PRIMARY WELLS

404947073450301. Local number, N8046.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 4	4.44	Jan 23	4.60	Mar 22	4.85	May 16	4.50	Jul 11	4.93	Sep 10	4.41



404947073450201. Local number, N8052.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 4	5.19	Jan 23	5.06	Mar 22	5.64	May 16	5.19	Jul 11	3.88	Sep 10	5.12

PRIMARY WELLS

404535073370002. Local number, N8269.2

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 U.S. Geological Survey 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.

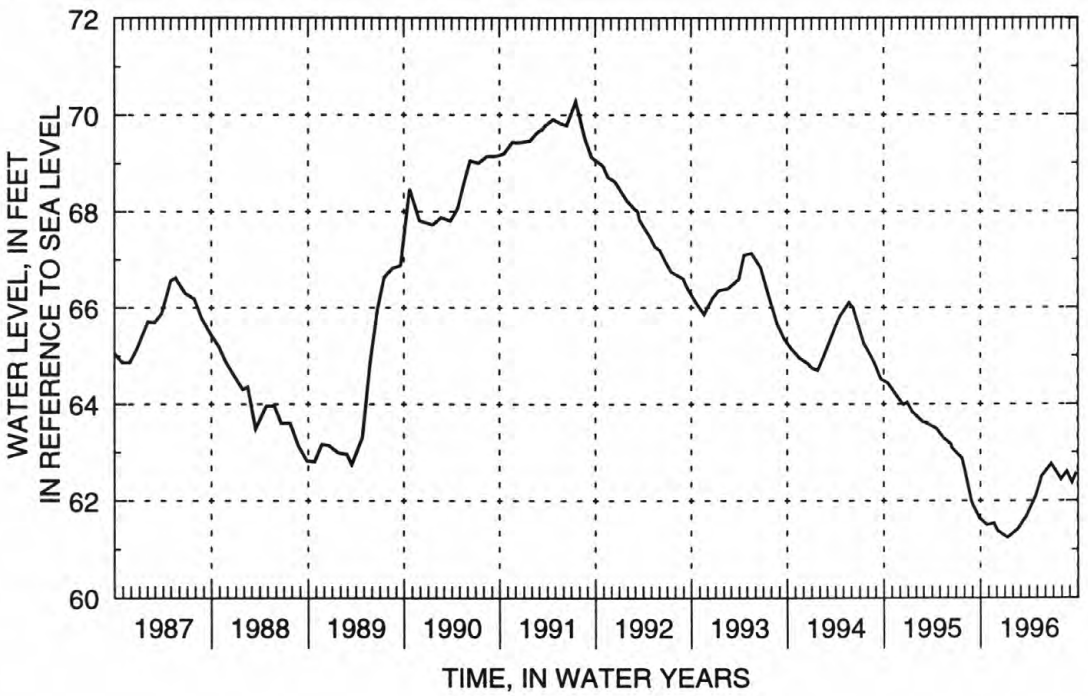
REMARKS.—Prior to April 1967, well at site (N 1258.1) was screened in the upper glacial aquifer. Well N1258.1 was replaced by well N8269.1 in April 1967, which was replaced by well N8269.2 in June 1976.

PERIOD OF RECORD.—June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of the Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 74.18 ft above sea level, May 21, 1980; lowest measured, 61.24 ft above sea level, January 11, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	61.50	Jan 11	61.24	Mar 21	61.66	May 16	62.48	Jul 30	62.43	Sep 10	62.37
Nov 21	61.53	Feb 20	61.42	Apr 26	62.09	Jun 24	62.75	Aug 22	62.59	Sep 26	62.57
Dec 5	61.38	Mar 11	61.59	May 15	62.43						

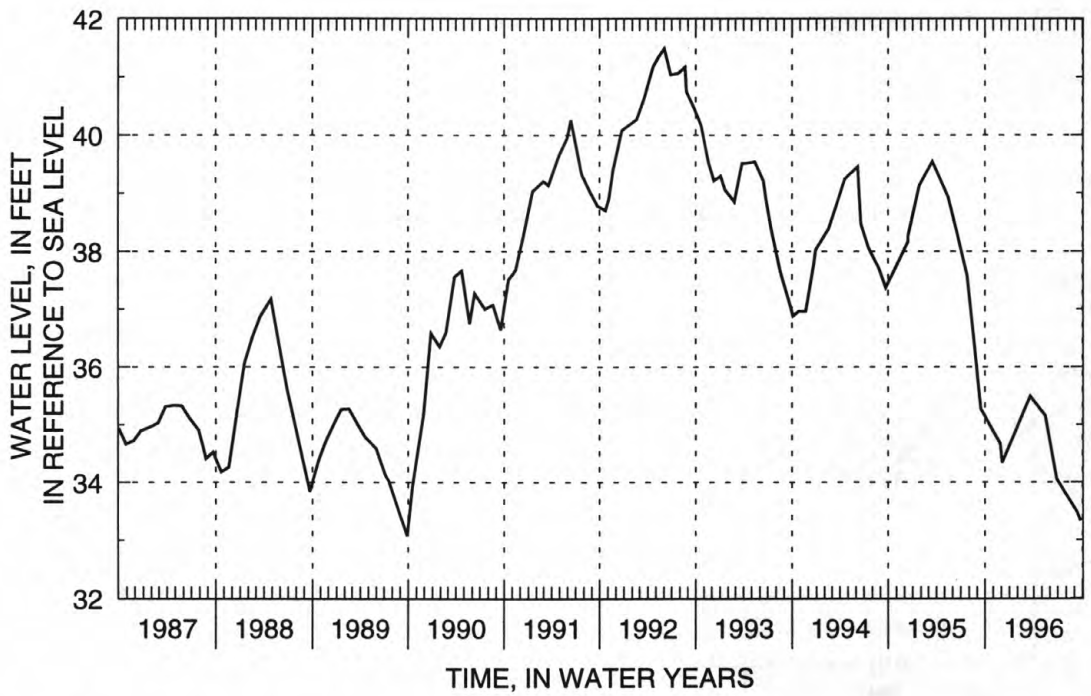


PRIMARY WELLS

404742073410301. Local number, N8309.1
LOCATION.—Lat 40°47′42″, long 73°41′03″, Hydrologic Unit 02030201, at east side of Manhasset Woods Road, 73 ft north of Northern Boulevard, Munsey Park. Owner: Nassau County Department of Public Works.
AQUIFER.—Magothy (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 199 ft, screened 194 to 199 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 143.2 ft above sea level. Measuring point: Top of 4-in steel coupling, 0.15 ft below land-surface datum.
REMARKS.—Replaced well N1121.2 in March 1967 at same location, unpublished records from March 1940 to March 1967 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.—March 1967 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	34.67	Mar 19	35.49	May 15	35.15	Jun 27	34.05	Sep 11	33.48	Sep 24	33.33
Dec 5	34.34										



403942073334401. Local number, N8847.1
LOCATION.—Lat 40°39′42″, long 73°33′44″, Hydrologic Unit 02030202, at north side of Bedford Avenue, 38 ft east of Babylon Turnpike, Merrick. Owner: Nassau County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 1 1/4 in., depth 26 ft, screened 21 to 26 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 16.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 0.37 ft below land-surface datum.
REMARKS.—Replaced well N3943.2 in April 1972, which replaced well N1185.1 in June 1939.
PERIOD OF RECORD.—June 1972 to current year. Unpublished records from June 1972 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

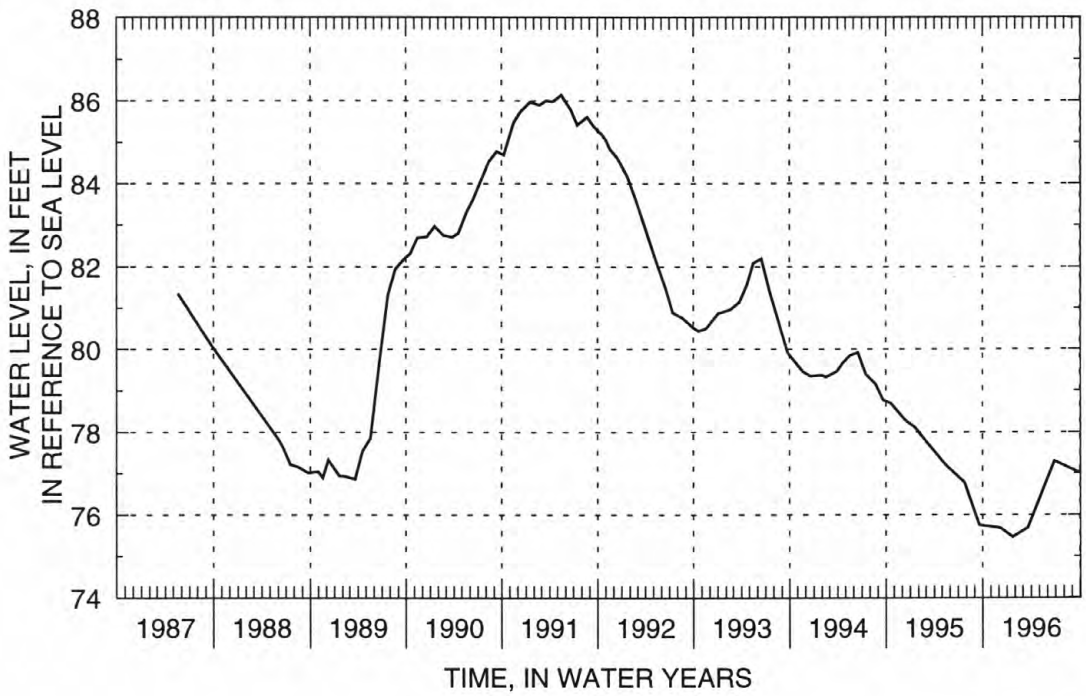
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	8.12	Jan 23	8.60	Mar 13	8.62	Jun 27	8.30	Sep 24	8.43		

PRIMARY WELLS

404702073305601. Local number, N8888.1
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 U.S. Geological Survey 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 N1213.1 in October 1972.
PERIOD OF RECORD.—October 1972 to current year. Unpublished records from October 1972 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 94.22 ft above sea level, September 14, 1979; lowest measured, 75.46 ft above sea level, January 22, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 8	75.68	Jan 22	75.46	Mar 20	75.69	Jun 28	77.30	Sep 27	77.02		

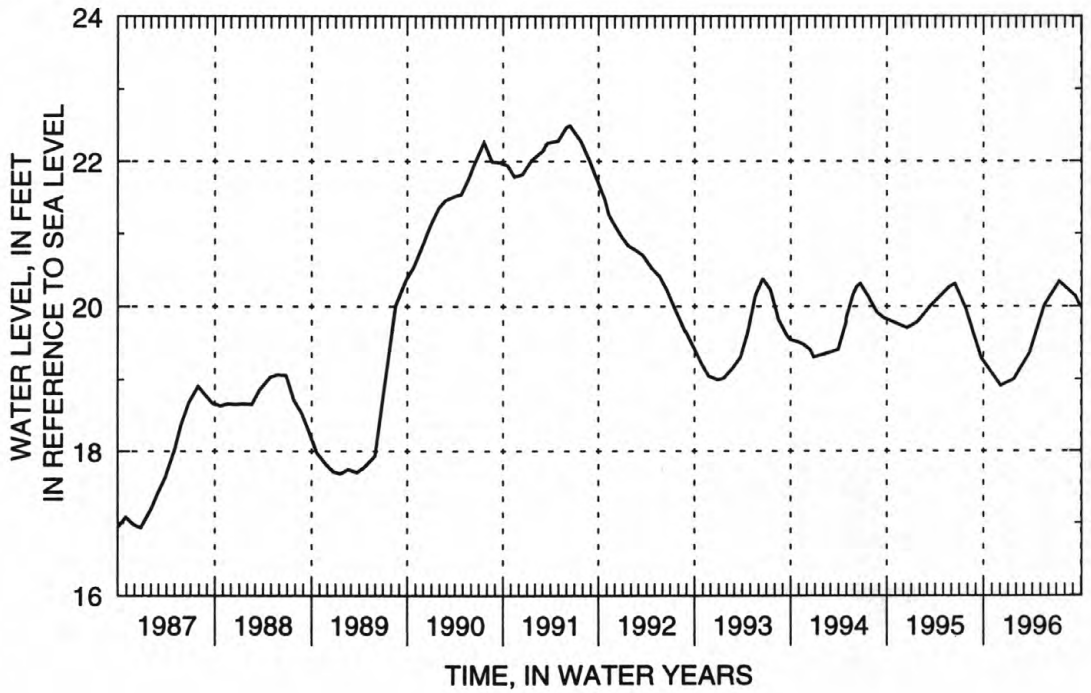


PRIMARY WELLS

404757073440401. Local number, N9099.1
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 U.S. Geological Survey 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 N1479.1 in February 1976, which has a period of record from September 1944 to February 1976 unpublished and are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 4	18.91	Mar 22	19.36	May 16	20.01	Jul 11	20.34	Sep 10	20.14	Sep 27	20.00
Jan 23	19.00										

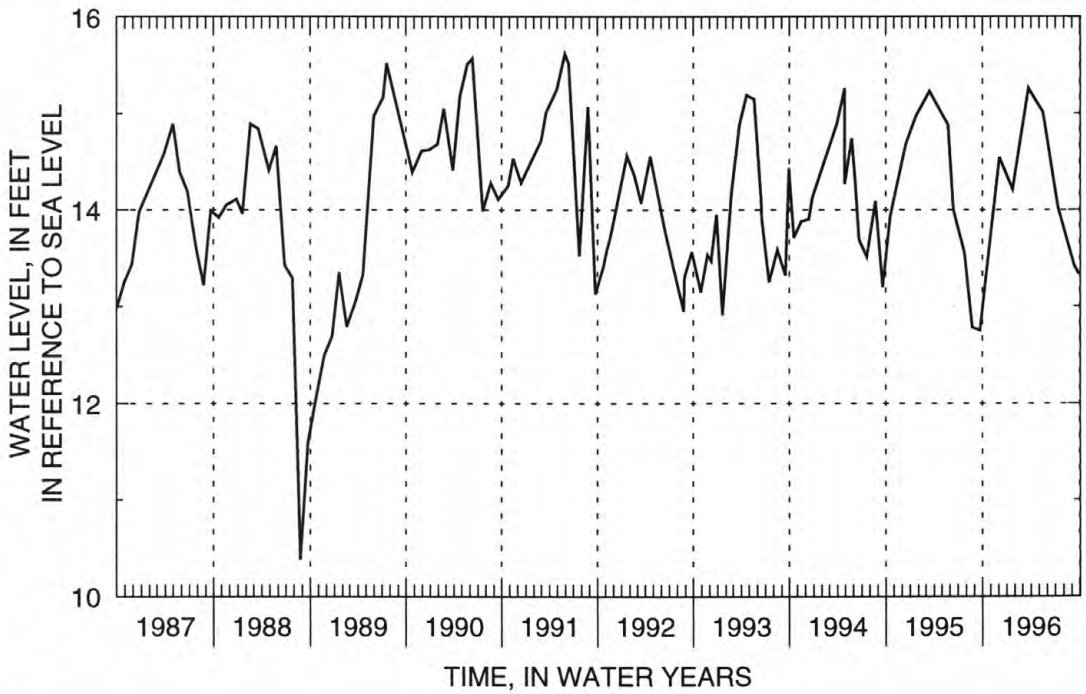


PRIMARY WELLS

404901073443004. Local number, N9208.2
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 4	14.54	Mar 22	15.26	May 16	15.01	Jul 11	14.03	Sep 10	13.42	Sep 27	13.33
Jan 23	14.21										

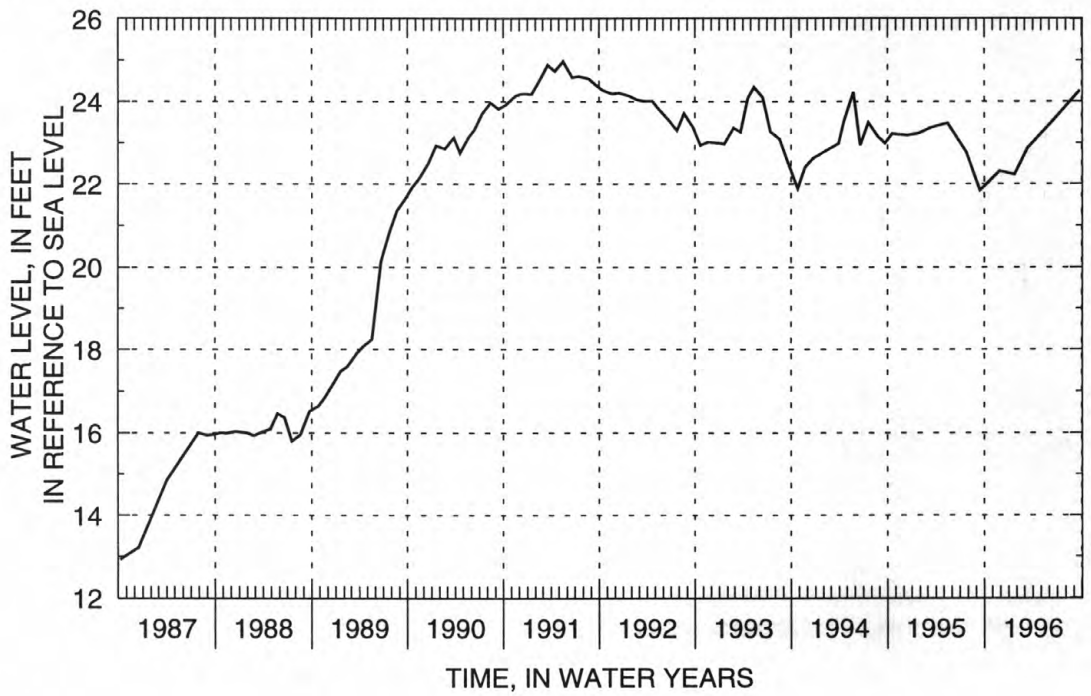


PRIMARY WELLS

404232073432501. Local number, N9979.1
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 U.S. Geological Survey 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 N1622.4 in June 1982.
PERIOD OF RECORD.—December 1982 to current year. Unpublished records from December 1982 to September 1987 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	22.31	Jan 23	22.23	Mar 12	22.87	Jun 27	23.62	Sep 24	24.27		

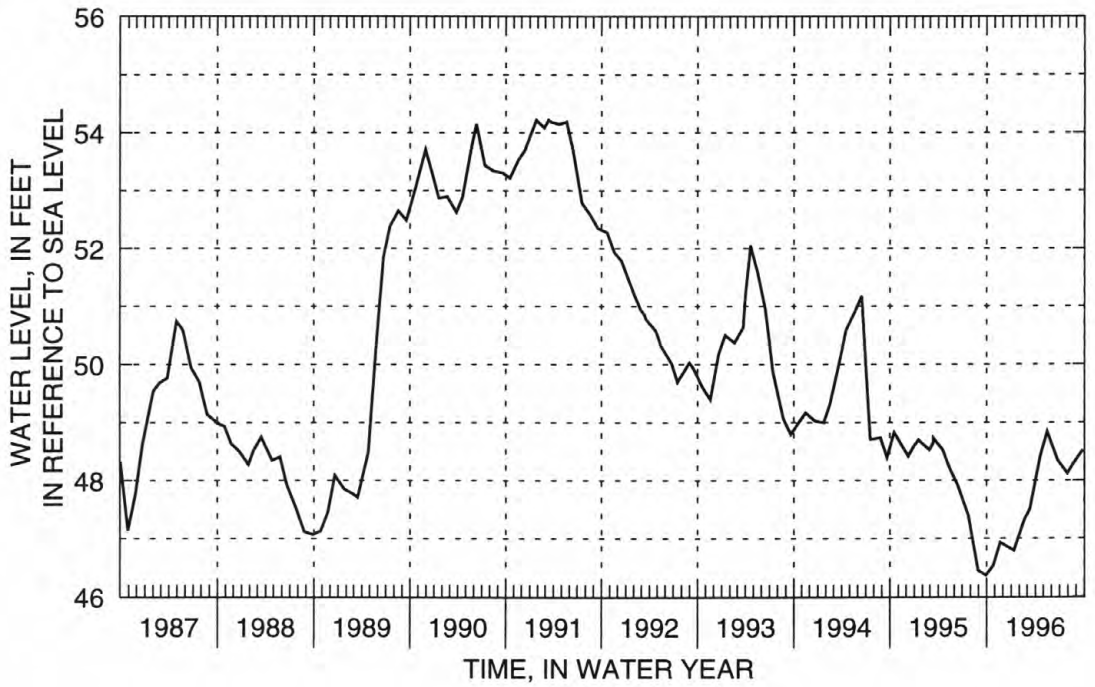


PRIMARY WELLS

404338073371502. Local number, N10035.1
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 U.S. Geological Survey 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 N1255.2 in October 1982, records from May 1913 to October 1982 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	46.53	Jan 11	46.79	Mar 11	47.50	May 16	48.84	Jul 30	48.12	Sep 26	48.52
Nov 21	46.93	Feb 20	47.32	Apr 20	48.43	Jun 24	48.35	Aug 22	48.29		



PRIMARY WELLS

404451073475003. Local number, Q283.2
LOCATION.—Lat 40°44′51″, long 73°47′50″, Hydrologic Unit 02030201, at City of New York storage facility, 50 ft south of Underhill Avenue, west of Fresh Meadow Lane, eastern most well, Flushing. Owner: City of New York.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled steel abandoned public supply well, diameter 26 in., depth 409 ft, screened 309 to 352 ft and 367 to 409 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 27.0 ft above sea level. Measuring point: Top of hole cut in welded steel plate, 0.37 ft above land-surface datum.
PERIOD OF RECORD.—June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 9.68 ft above sea level, February 23, 1993; lowest measured, 27.40 ft below sea level, September 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	6.92	Jan 30	7.30	Mar 12	8.20	Jul 3	7.79	Sep 30	7.04		

403624073491601. Local number, Q287.1
LOCATION.—Lat 40°36′24″, long 73°49′16″, Hydrologic Unit 02030202, at Broad Channel School, west side of Shad Creek Road, 131 ft south of 9th Road, Broad Channel. Owner: City of New York.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled steel abandoned public supply well, diameter 8 in., depth 725 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 8.5 ft above sea level. Measuring point: Top of 8-in to 4-in steel reducer bushing, 0.52 ft below land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—January 1944 to current year. Unpublished records from January 1944 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	6.92	Mar 11	7.02	Jul 2	7.63						

404541073452601. Local number, Q470.1
LOCATION.—Lat 40°45′41″, long 73°45′26″, Hydrologic Unit 02030201, at southbound side of Cross Island Parkway, 325 ft south of Northern Boulevard (State Route 25A), southern most well, Bayside. Owner: City of New York.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled steel abandoned public supply well, diameter 6 in., depth 379 ft, screened 347 to 375 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 13.0 ft above sea level. Measuring point: Top of 6-in steel coupling, 0.73 ft above land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—January 1934 to current year. Unpublished records from January 1934 to January 1935, January 1940 to December 1940, and July 1954 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	6.70	Mar 18	7.68	Sep 30	7.07						

PRIMARY WELLS

404541073452602. Local number, Q471.1
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 (State Route 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	16.67	Mar 18	16.76								

403958073445801. Local number, Q1187.1
LOCATION.—Lat 40°39′58″, long 73°44′58″, Hydrologic Unit 02030202, at south side of North Conduit, 1,775 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	7.92	Jan 30	8.23	Mar 13	8.49	Jul 3	8.46	Sep 27	8.46		

403958073445801. Local number, Q1189.1
LOCATION.—Lat 40°39′58″, long 73°44′58″, Hydrologic Unit 02030202, at south side of North Conduit, 1,790 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 U.S. Geological Survey 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 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	6.65	Jan 30	7.13	Mar 13	7.10	Jul 31	6.85	Sep 27	6.85		

PRIMARY WELLS

403959073474401. Local number, Q1237.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	4.95	Jan 30	3.95	Mar 13	3.71						

404240073443401. Local number, Q1249.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	20.07	Jan 30	21.70	Jul 3	21.85	Sep 27	22.34				

404302073481601. Local number, Q1812.1
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.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled unused steel diffusion well, diameter 12 in., depth 250 ft, screened 195 to 245 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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 the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 17.57 ft above sea level, September 30, 1996; lowest measured, 12.80 ft below sea level, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	15.30	Jan 30	15.79	Mar 12	16.11	Jul 3	17.16	Sep 30	17.57		

PRIMARY WELLS

403957073495001. Local number, Q2324.1
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.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Driven steel observation well, diameter 2 1/2 in., depth 91 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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.

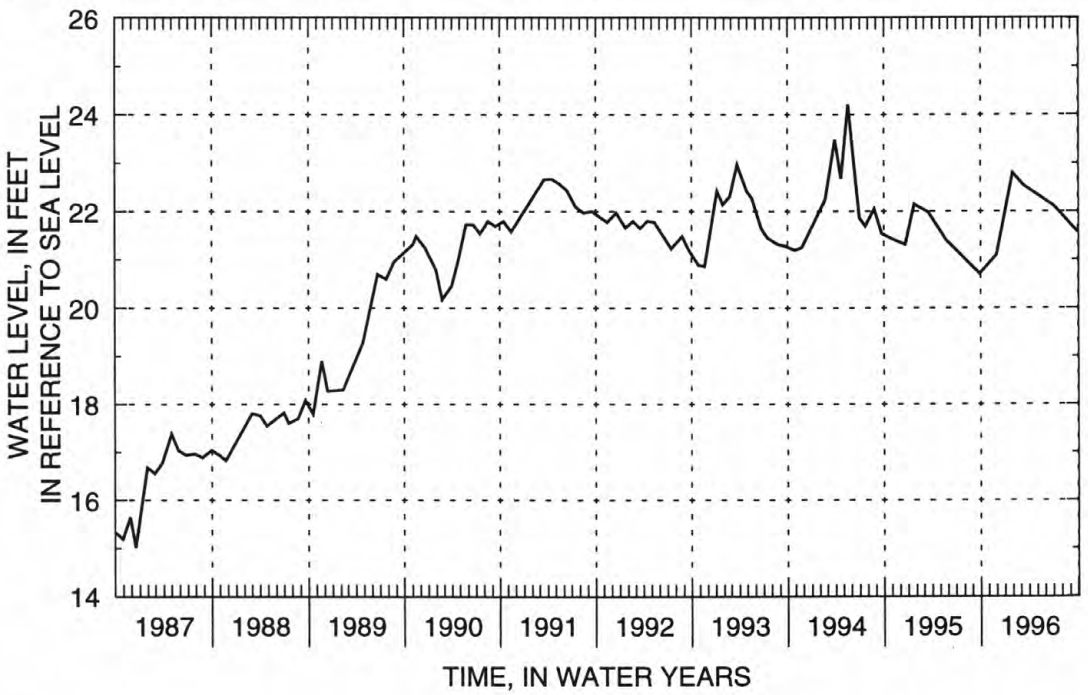
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	4.84	Jan 23	4.95	Mar 11	4.67	Jul 2	4.91				

404451073475002. Local number, Q2346.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	21.09	Jan 30	22.79	Mar 12	22.54	Jul 3	22.11	Sep 30	21.56		



PRIMARY WELLS

404624073483501. Local number, Q2791.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	53.57	Mar 12	55.10	Jul 3	55.77	Sep 30	54.98				

403932073482901. Local number, Q3109.1
LOCATION.—Lat 40°39′32″, long 73°48′29″, Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Circle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, northern most well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 400 ft, screened 290 to 310 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 22.7 ft above sea level. Measuring point: Top of 4-in PVC coupling, 1.30 ft below land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 3.83 ft above sea level, October 26, 1990; lowest measured, 1.32 ft below sea level, September 26, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	3.22	Jan 23	3.39	Mar 22	3.78	Jul 2	3.12				

403932073482902. Local number, Q3114.1
LOCATION.—Lat 40°39′32″, long 73°48′29″, Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Circle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, southern most well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 31 ft, screened 29 to 31 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.26 ft above land-surface datum.
REMARKS.—Water level affected by tidal fluctuation.
PERIOD OF RECORD.—December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 4.30 ft above sea level, April 30, 1984; lowest measured, 0.48 ft above sea level, October 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	3.47	Jan 24	3.59	Mar 22	3.75	Jul 2	3.68				

PRIMARY WELLS

404631073543901. Local number, Q3121.1
LOCATION.—Lat 40°46′31″, long 73°54′39″, Hydrologic Unit 02030201, at south side of 24th Avenue, 62 ft west of 32nd Street, Astoria. 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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 50.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.14 ft above land-surface datum.
PERIOD OF RECORD.—September 1980 to current year. Unpublished records from September 1980 to September 1982 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 26.54 ft above sea level, June 27, 1984; lowest measured, 19.83 ft above sea level, October 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	23.83	Jan 30	23.91	Mar 12	24.13	Jul 3	24.60	Sep 27	24.55		

404516073550201. Local number, Q3122.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

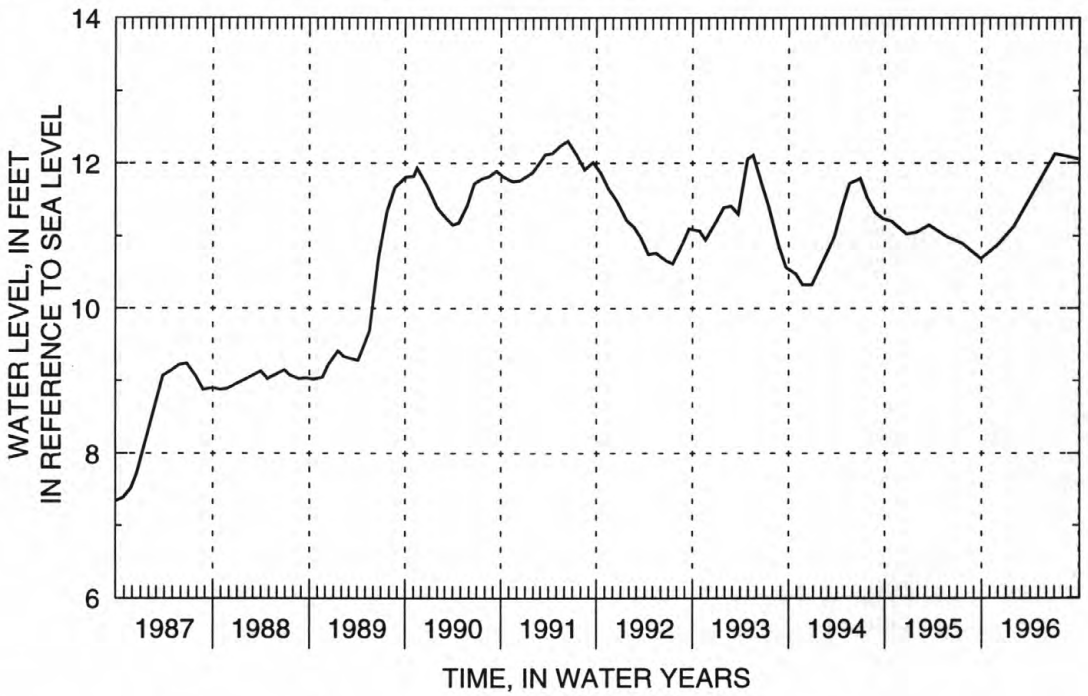
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	13.59	Jan 30	13.35	Mar 12	13.56	Jul 3	13.90	Sep 27	13.51		

PRIMARY WELLS

404112073500901. Local number, Q3160.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	10.88	Jan 30	11.13	Jul 3	12.13	Sep 27	12.06				



404119073463601. Local number, Q3162.1
LOCATION.—Lat 40°41′19″, long 73°46′36″, Hydrologic Unit 02030202, at east side of 172nd Street, 66 ft north of 116th Avenue, Rochdale Village. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 44 ft, screened 39 to 44 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 27.2 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	13.92	Jan 30	14.41	Jul 3	14.11	Sep 27	14.00				

PRIMARY WELLS

404143073482701. Local number, Q3165.1
LOCATION.—Lat 40°41′43″, long 73°48′27″, Hydrologic Unit 02030202, at east side of Liverpool Street, 54 ft north of 101st Avenue, Jamaica. Owner: United States Geological Survey.
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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 41.6 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.59 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

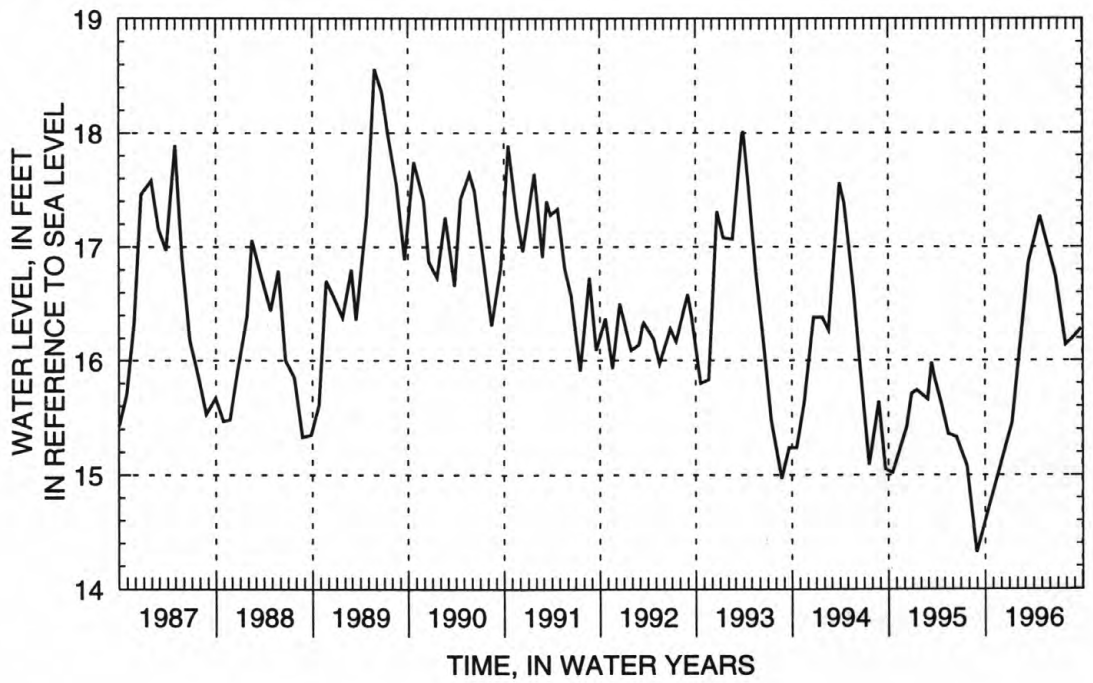
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	16.00	Jan 30	16.24	Mar 11	16.43	Jul 3	17.19	Sep 27	17.06		

PRIMARY WELLS

404213073201001. Local number, S1803.4
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 U.S. Geological Survey 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 S1803.3 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 S1803.1 to S1803.3 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 11	15.46	Mar 13	16.86	May 16	17.09	Jul 30	16.14	Aug 22	16.19	Sep 26	16.28
Mar 11	16.81	Apr 26	17.27	Jun 24	16.74						

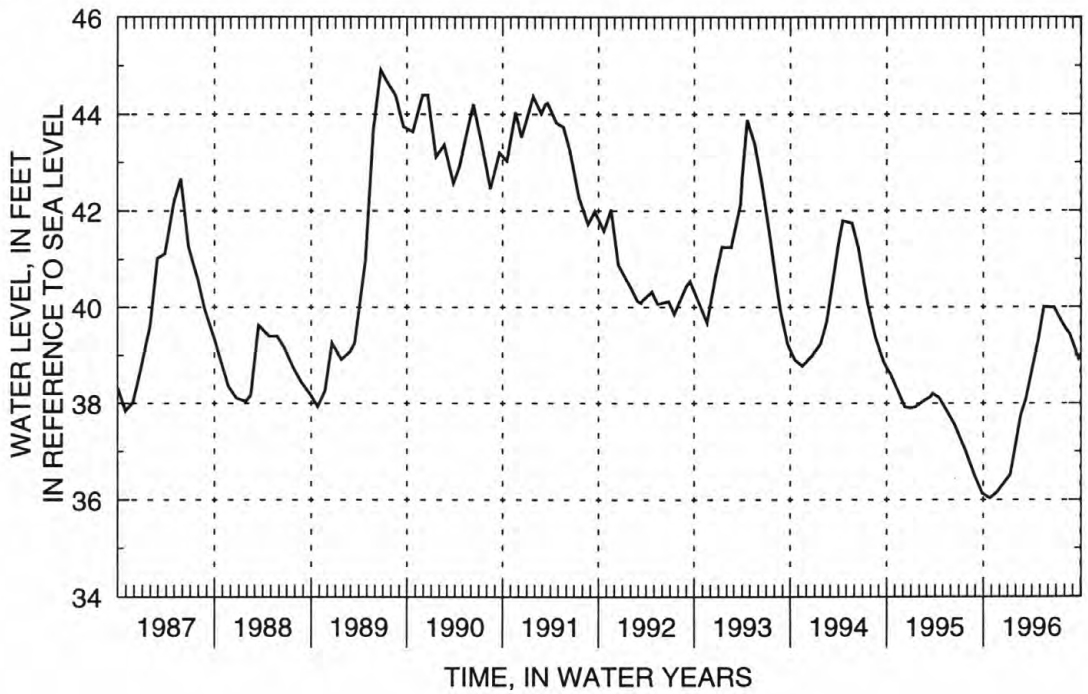


PRIMARY WELLS

404301073240901. Local number, S1805.4
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 U.S. Geological Survey 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 S1805.3 in October 1953 at same location. Unpublished records from October 1912 to September 1975 for wells S1805.1 to S1805.3 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	36.03	Jan 11	36.52	Mar 11	38.11	Apr 26	39.33	Jun 24	39.99	Aug 22	39.43
Nov 21	36.15	Feb 20	37.75	Mar 13	38.18	May 16	40.00	Jul 30	39.61	Sep 26	38.89



PRIMARY WELLS

404442073240501. Local number, S1806.3

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 U.S. Geological Survey 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.

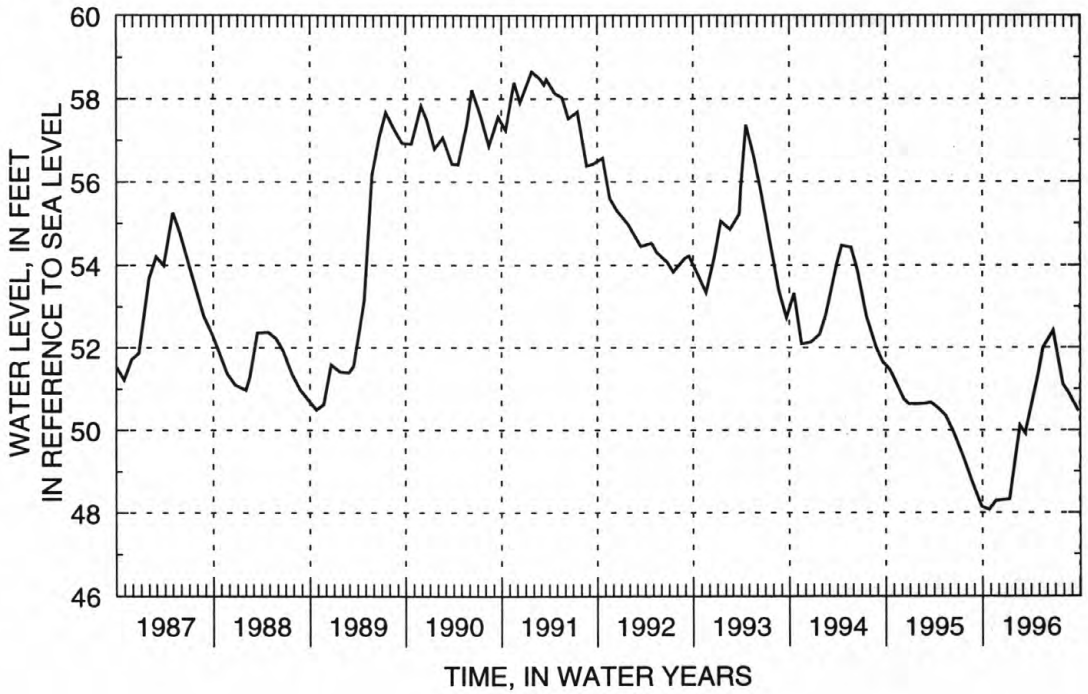
REMARKS.—Replaced well S1806.2 in August 1977 at same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S1806.1 to S1806.2 are available in files of the Long Island Subdistrict Office.

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, 48.07 ft above sea level, October 26, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	48.07	Jan 11	48.33	Mar 11	49.92	Apr 26	51.29	Jun 24	52.41	Aug 22	50.89
Nov 21	48.29	Feb 20	50.11	Mar 12	49.98	May 16	51.99	Jul 30	51.11	Sep 26	50.46

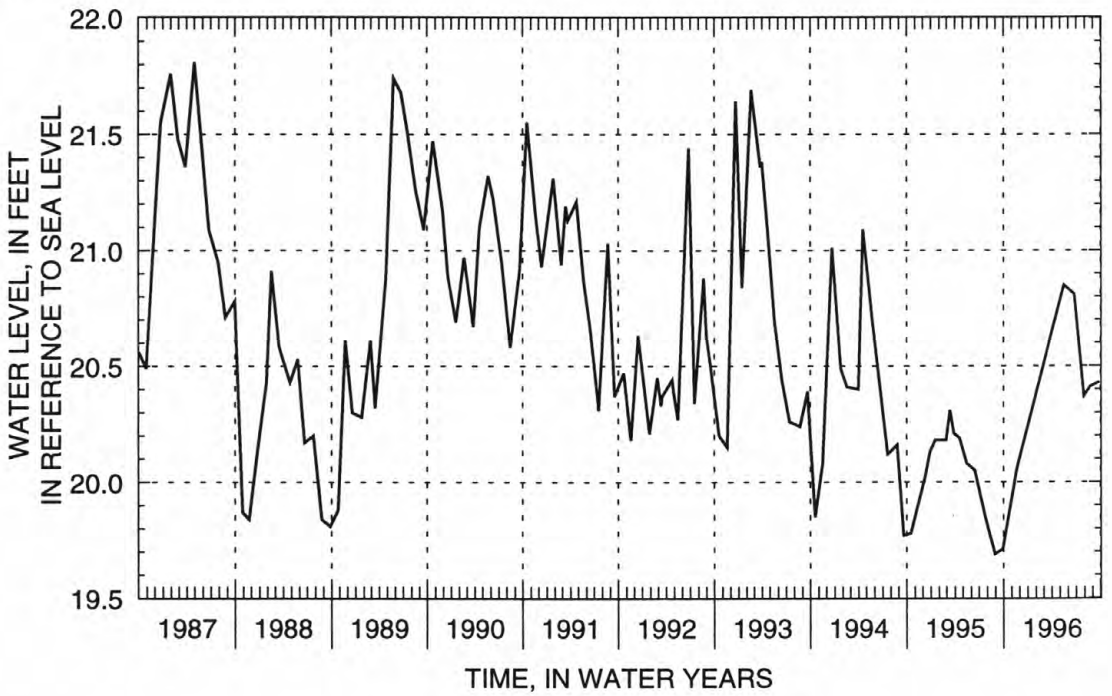


PRIMARY WELLS

404319073184601. Local number, S1807.5
LOCATION.—Lat 40°43′19″, long 73°18′46″, 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 U.S. Geological Survey 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 S1807.4 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 S1807.1 to S1807.4 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	19.89	May 16	20.85	Jun 24	20.81	Jul 30	20.37	Aug 22	20.41	Sep 26	20.43
Nov 21	20.06										

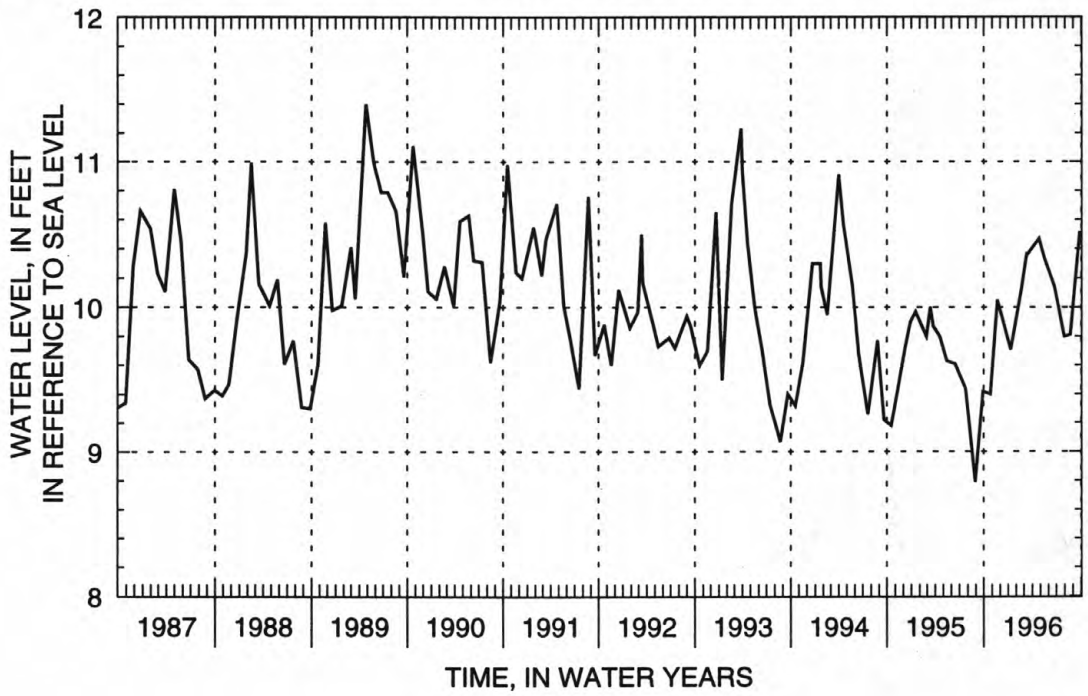


PRIMARY WELLS

404221073164901. Local number, S1808.4
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 U.S. Geological Survey 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 S1808.3 in July 1984 at same location. Unpublished records from October 1912 to September 1975, for wells S1808.1 to S1808.3 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	9.40	Jan 11	9.71	Mar 11	10.37	Apr 26	10.47	Jun 24	10.14	Aug 22	9.81
Nov 21	10.05	Feb 20	10.12	Mar 13	10.36	May 16	10.34	Jul 30	9.80	Sep 26	10.52

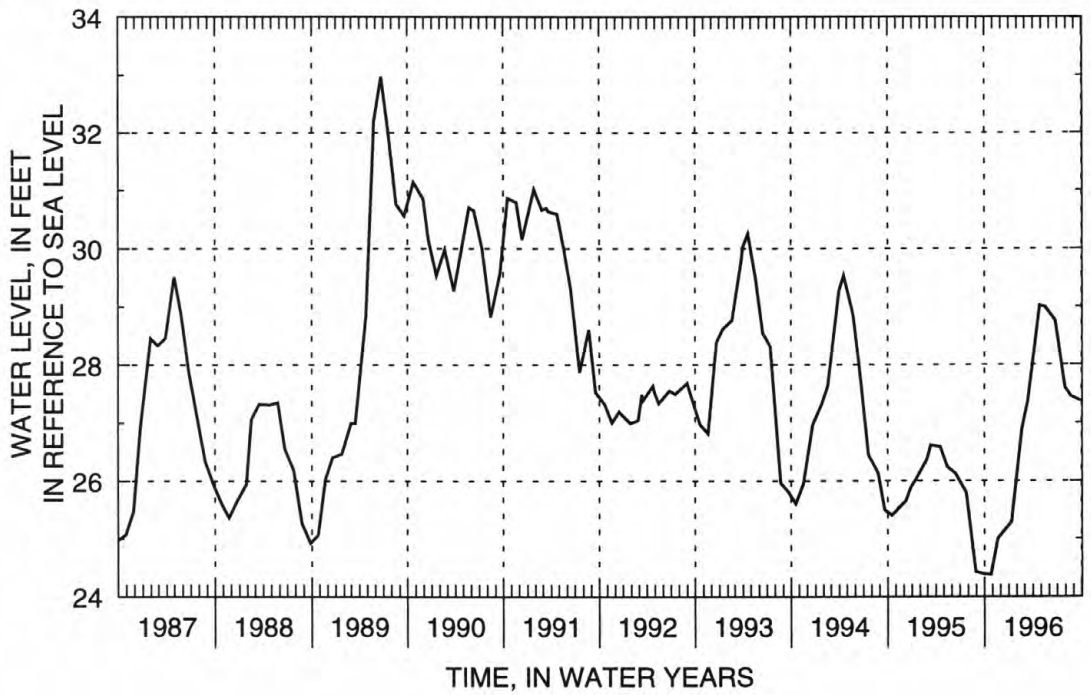


PRIMARY WELLS

404351073164901. Local number, S1809.4
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 U.S. Geological Survey 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 S1809.3 in March 1981 at same location. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, for wells S1809.1 to S1809.3 are available in files of the 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, 24.37 ft above sea level, October 26, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	24.37	Jan 11	25.28	Mar 11	27.34	Apr 26	29.01	Jun 24	28.75	Aug 22	27.45
Nov 21	25.00	Feb 20	26.90	Mar 13	27.40	May 16	28.99	Jul 30	27.60	Sep 26	27.37

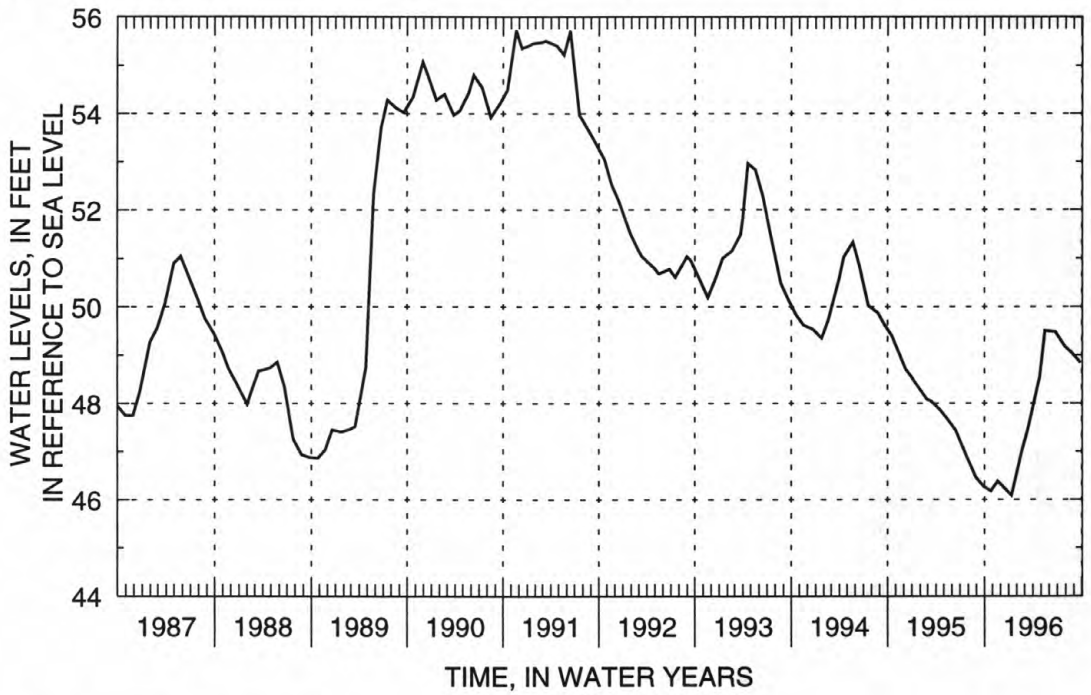


PRIMARY WELLS

404614073164401. Local number, S1810.4
LOCATION.—Lat 40°46′14″, long 73°16′44″, Hydrologic Unit 02030202, at west side of North Gardiner Drive, south of Pine Aire Drive, in front of house 1712, Pine Aire. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered PVC observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 90.8 ft above sea level. Measuring point: Top of 2-in PVC coupling, 1.00 ft below land-surface datum.
REMARKS.—Replaced well S1810.3 in November 1975 at same location. Unpublished records from October 1912 to November 1914, and August 1932 to September 1975, for wells S1810.1 to S1810.3 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.—November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 56.28 ft above sea level, July 23, 1984; lowest measured, 46.17 ft above sea level, January 11, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 26	46.17	Jan 11	46.08	Mar 11	47.42	May 16	49.50	Jul 30	49.17	Sep 26	48.84
Nov 21	46.38	Feb 20	47.01	Apr 26	48.53	Jun 24	49.48	Aug 22	49.06		



404957073073401. Local number, S1811.2
LOCATION.—Lat 40°49′57″, long 73°07′37″, Hydrologic Unit 02030202, at end of Shore Road, south of Smithtown Boulevard, in county park north of Lake Ronkonkoma, Lake Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 31 ft, screened 28 to 31 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 57.7 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.17 ft below land-surface datum.
REMARKS.—Replaced well S1811.1 in March 1987 at same location. Unpublished records form April 1937 to September 1978 for well S1811.1 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.—March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 57.92 ft above sea level, June 6, 1991; lowest measured, 52.73 ft above sea level, September 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

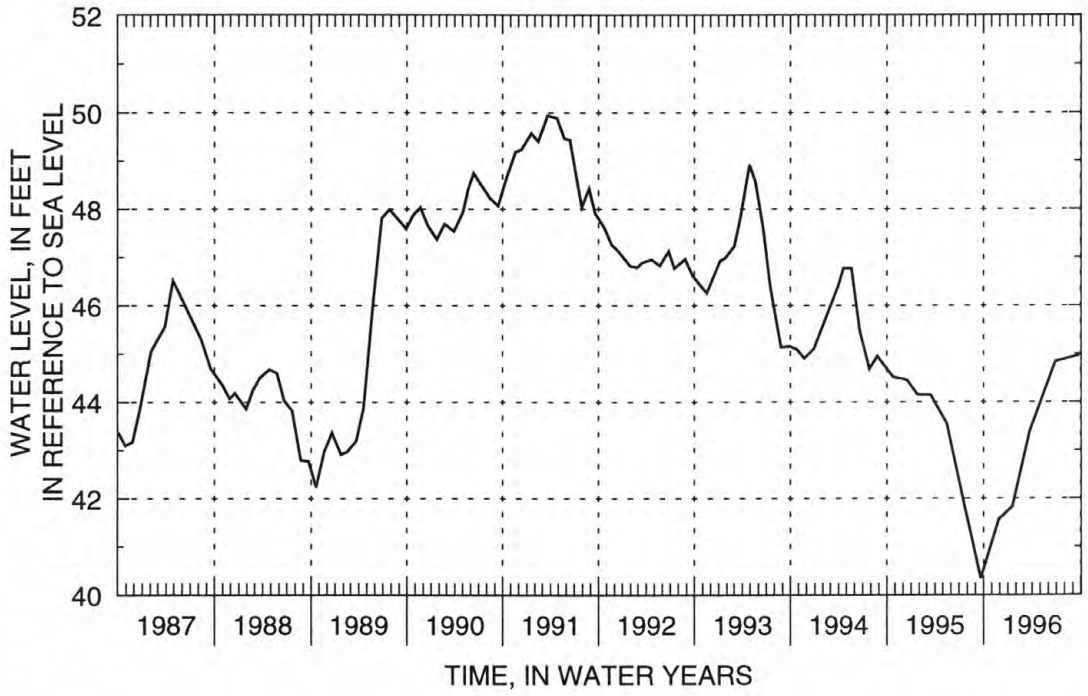
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	53.22	Jan 18	53.42	Mar 22	53.73	Jun 27	54.02	Sep 25	53.90		

PRIMARY WELLS

404958073085001. Local number, S1812.3
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 U.S. Geological Survey 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 S1812.2 in May 1982 at same location. Unpublished records from April 1937 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	41.56	Jan 18	41.83	Mar 22	43.37	Jun 27	44.83	Sep 25	44.96		



PRIMARY WELLS

404737073112303. Local number, S1814.3

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 U.S. Geological Survey 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.

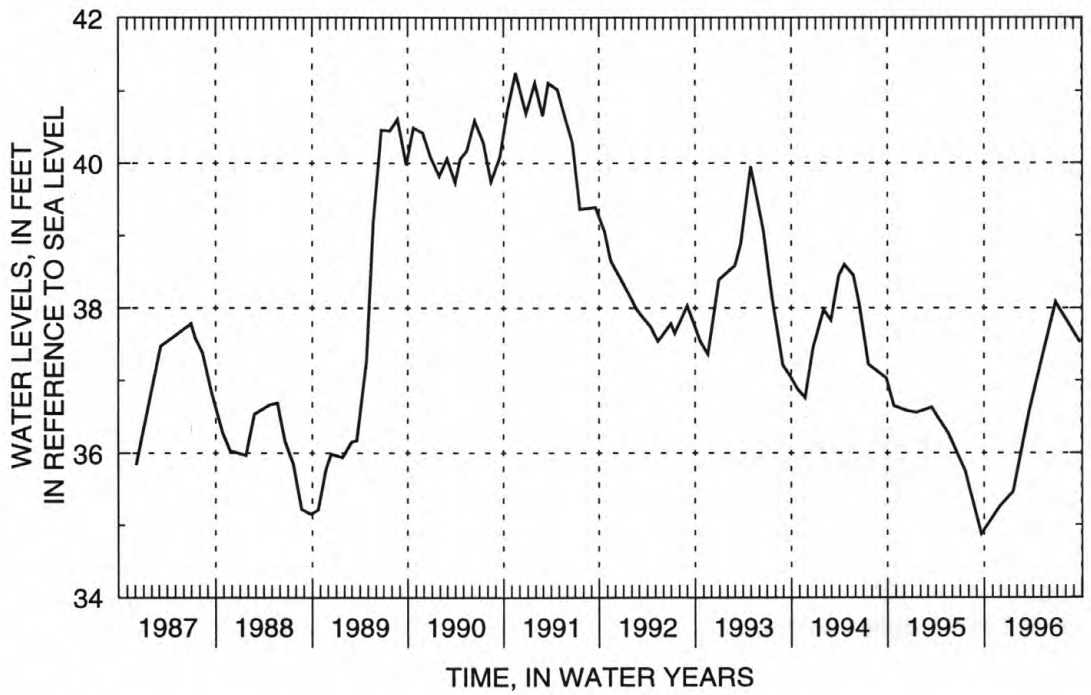
REMARKS.—Replaced well S1814.2 in May 1982 at same location, unpublished records from November 1939 to September 1975 are available in files of the Long Island Subdistrict Office.

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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	35.25	Jan 18	35.46	Mar 18	36.57	Jun 25	38.08	Sep 25	37.42		



PRIMARY WELLS

405146073031801. Local number, S3513.1

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 U.S. Geological Survey personnel.

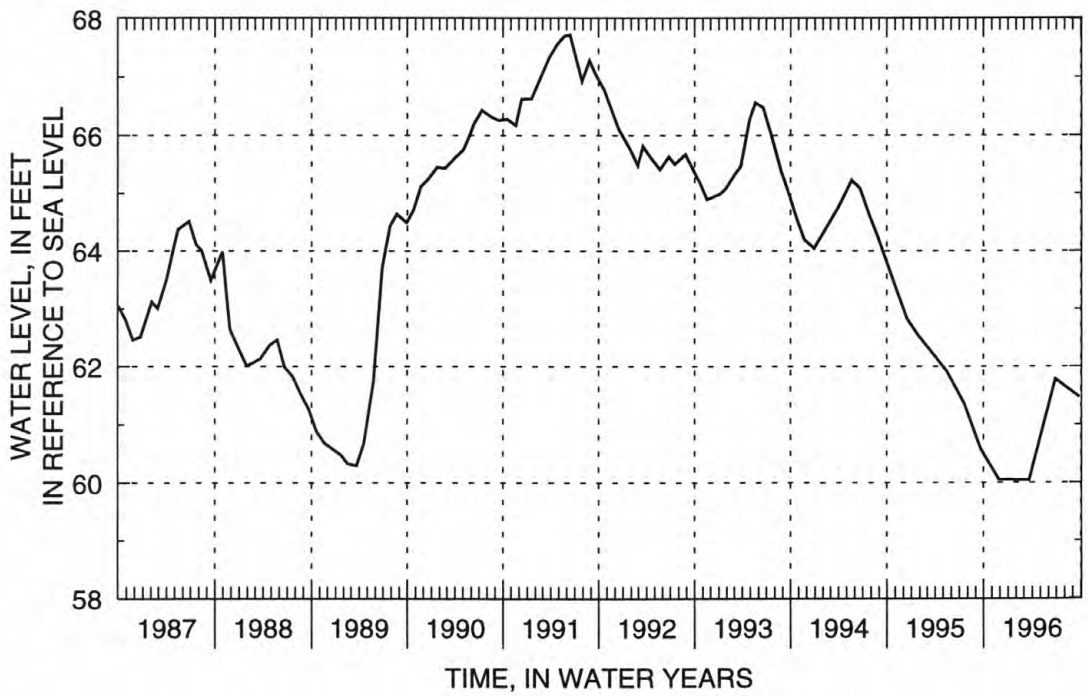
DATUM.—Land-surface datum is 101.0 ft above sea level. Measuring point: Top of 4-in to 1 1/4-in steel reducer, 1.31 ft above land-surface datum.

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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	60.05	Mar 21	60.04	Jun 27	61.78	Sep 25	61.47				

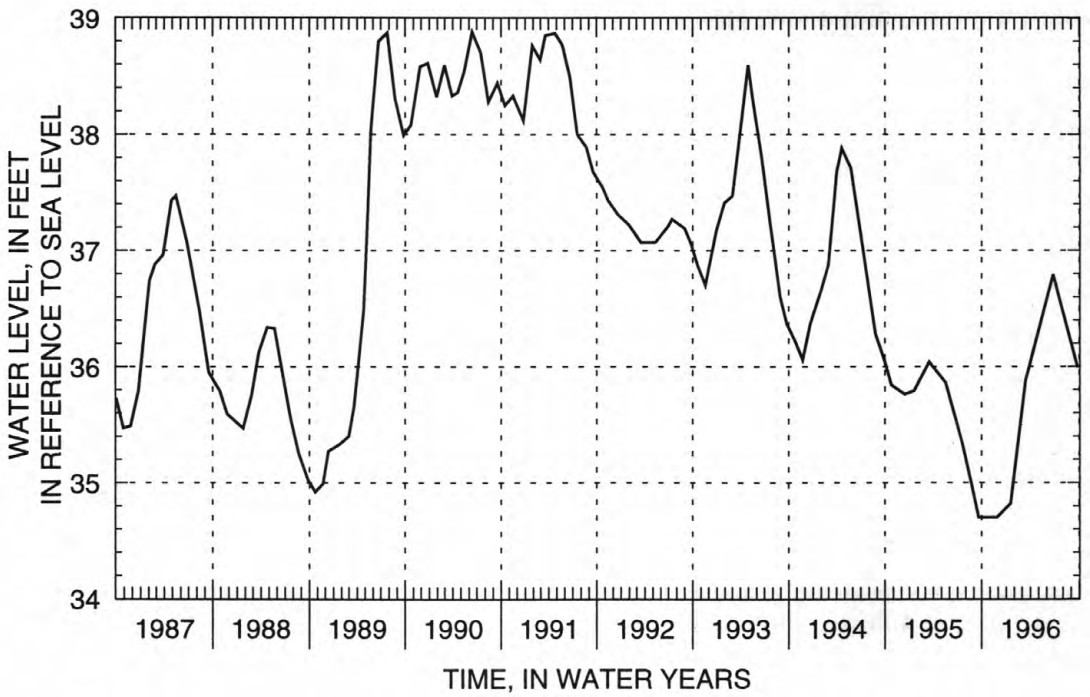


PRIMARY WELLS

404812073004101. Local number, S3521.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	34.80	Jan 18	34.82	Mar 14	35.88	Jun 25	36.79	Sep 25	35.99		

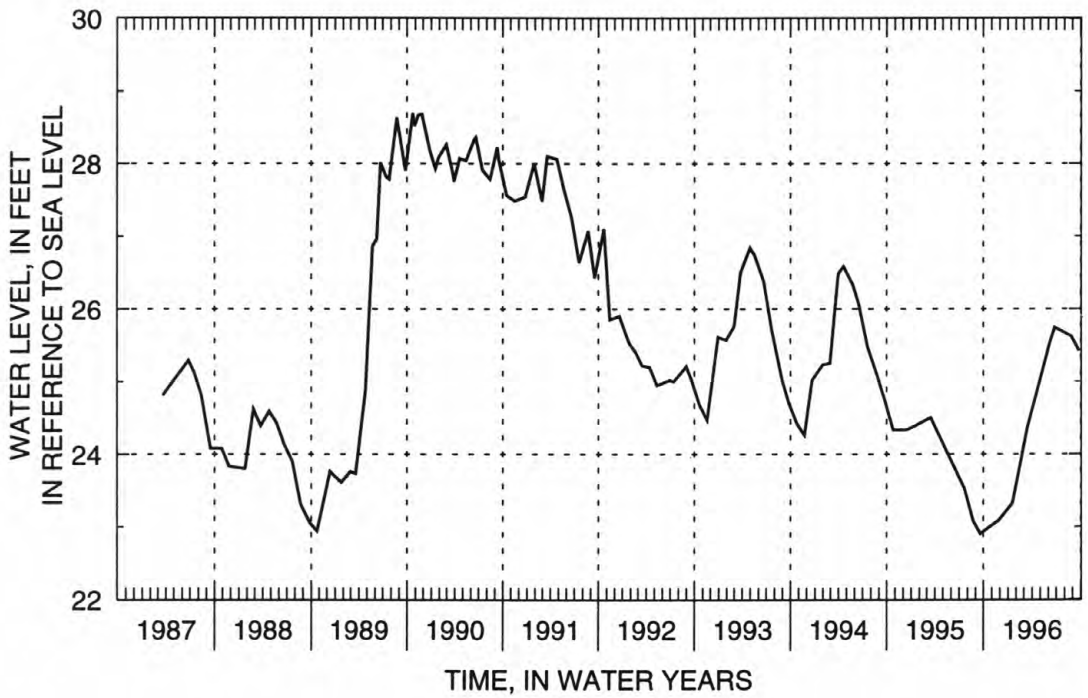


PRIMARY WELLS

404806072553802. Local number, S3529.2
LOCATION.—Lat 40°48′01″, long 72°55′38″, Hydrologic Unit 02030202, at entrance to Brookhaven Landfill, south of Horseblock Road, South Yapank. 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	23.09	Mar 14	24.36	Jun 7	25.53	Jun 25	25.74	Aug 26	25.62	Sep 25	25.42
Jan 18	23.32										

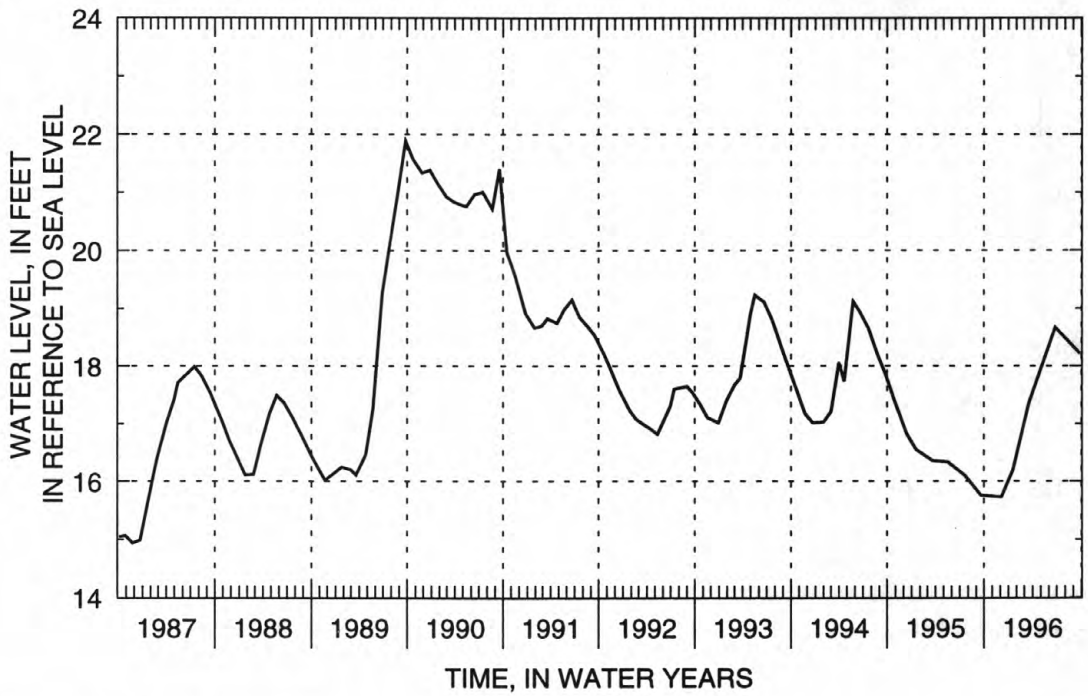


PRIMARY WELLS

405037072390301. Local number, S3543.1
LOCATION.—Lat 40°50′37″, long 72°39′03″, Hydrologic Unit 02030202, at Stewart Avenue, 0.25 mi west of Old Riverhead Road, 226 ft north on dirt path, West Hampton. Owner: City of New York.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Driven steel observation well, diameter 2 in., depth 58 ft, screened 56 to 58 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 64.1 ft above sea level. Measuring point: Top of 2-in steel casing, 0.34 ft above land-surface datum.
PERIOD OF RECORD.—March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 22.53 ft above sea level, July 23, 1984; lowest measured, 14.94 ft above sea level, November 25, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	15.73	Jan 18	16.19	Mar 18	17.35	Jun 25	18.67	Sep 25	18.22		



405145072592501. Local number, S3870.1
LOCATION.—Lat 40°51′45″, long 72°59′25″, Hydrologic Unit 02030202, at south side of Coram Yapank Road, 115 ft west of Overton Road, Coram. Owner: Town of Brookhaven.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 43 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 87.0 ft above sea level. Measuring point: Top of 2-in steel casing, 1.11 ft above land-surface datum.
PERIOD OF RECORD.—January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 61.86 ft above sea level, June 27, 1979; lowest measured, 49.54 ft above sea level, October 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

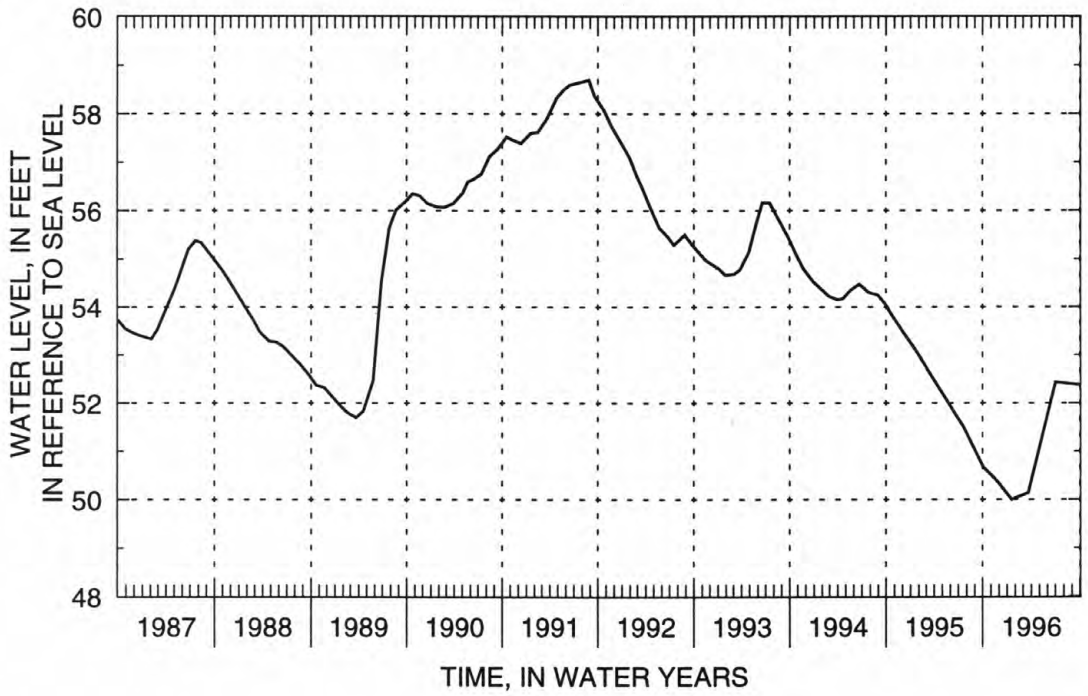
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	51.13	Jan 18	50.82	Mar 21	51.34	Jun 27	52.82	Aug 29	52.73	Sep 25	52.69

PRIMARY WELLS

405343073055004. Local number, S3955.4
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 U.S. Geological Survey 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 S3955.3 in April 1975 at same location. Unpublished records from September 1944 to September 1975 are available in files of the 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, 50.00 ft above sea level, January 18, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	50.67	Nov 28	50.36	Jan 18	50.00	Mar 21	50.14	Jul 1	52.43	Sep 27	52.38

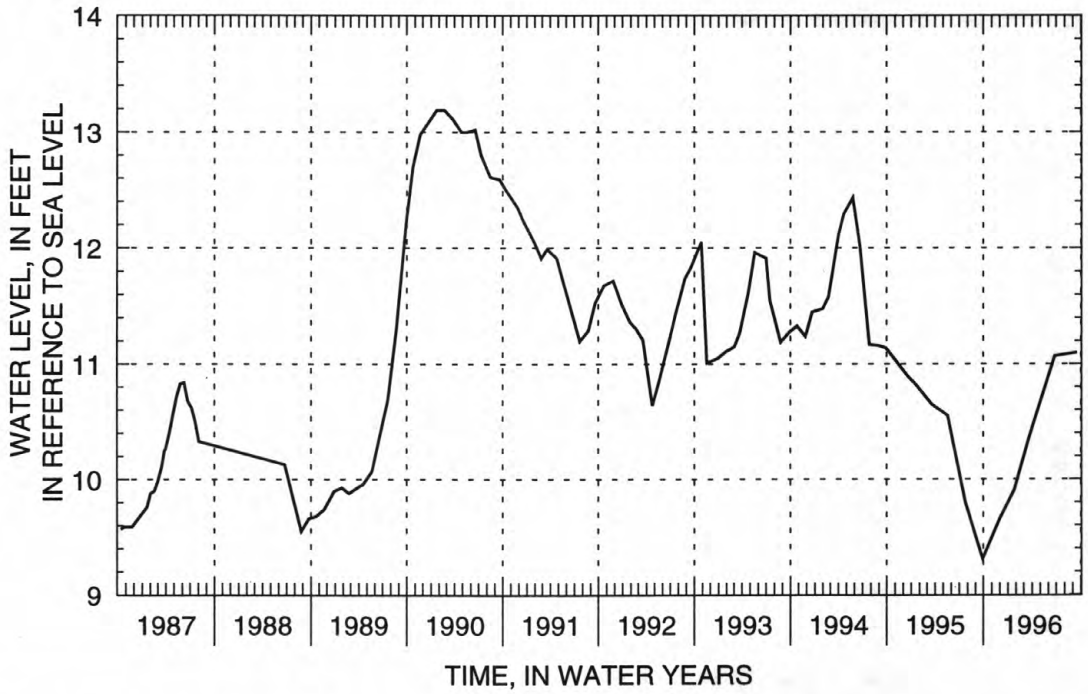


PRIMARY WELLS

405743072425701. Local number, S4271.1
LOCATION.—Lat 40°57′43″, long 72°42′57″, Hydrologic Unit 02030202, at Long Island Research Farm, east of Horton Avenue, south of Sound Avenue, Riverhead. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 105 ft, screened 100 to 105 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 100.3 ft above sea level. Measuring point: Top of 4-in steel coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.—August 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 14.25 ft above sea level, August 12, 1984; lowest measured, 8.16 ft above sea level, September 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	9.65	Jan 25	9.91	Mar 19	10.35	Jun 25	11.07	Sep 16	11.10		



405607072393502. Local number, S4523.2
LOCATION.—Lat 40°56′07″, long 72°39′35″, Hydrologic Unit 02030202, at west side of Northville Turnpike, 94 ft south of Old Country Road, Riverhead. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 13 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 17.4 ft above sea level. Measuring point: Top of 2-in PVC casing, 0.01 ft below land-surface datum.
PERIOD OF RECORD.—September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.43 ft above sea level, June 22, 1984; lowest measured, 6.79 ft above sea level, September 14, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

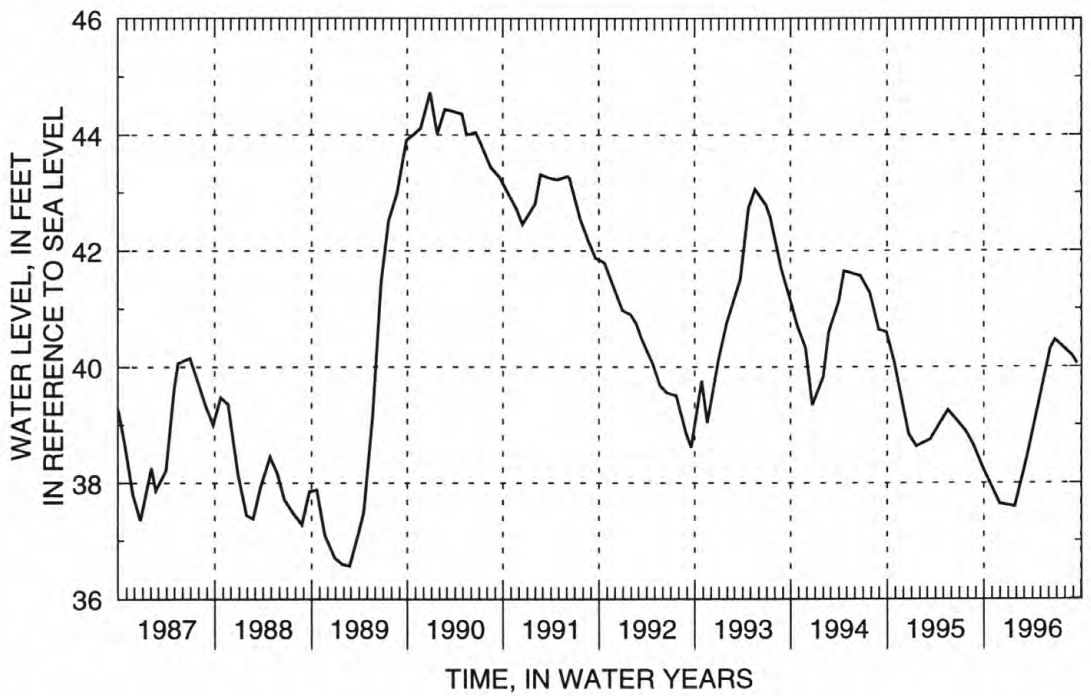
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	9.12	Jan 25	9.83	Mar 21	10.12	Jun 25	9.69	Sep 16	9.14		

PRIMARY WELLS

405149072532201. Local number, S5517.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	37.64	Mar 11	38.44	Jun 7	40.31	Jun 25	40.46	Aug 28	40.19	Sep 16	40.05
Jan 25	37.59										

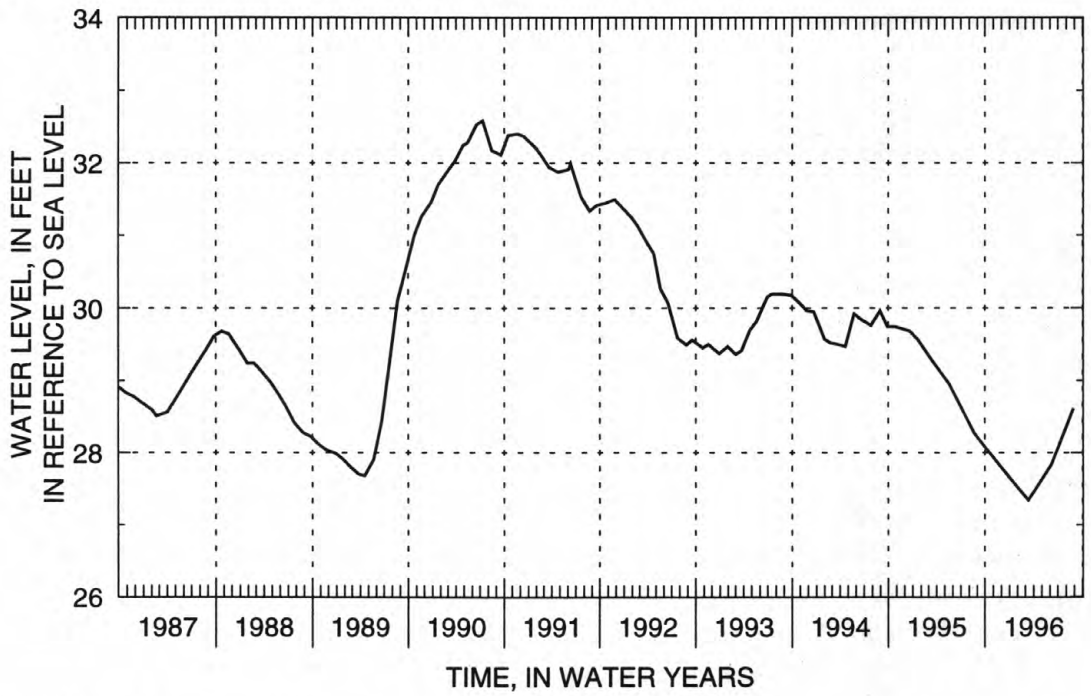


PRIMARY WELLS

405650072541801. Local number, S6411.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	27.80	Mar 12	27.34	Jun 6	27.83	Aug 28	28.61				



405308072553101. Local number, S6413.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	48.60	Mar 12	47.91	Jun 6	47.86	Jun 25	47.92	Aug 27	48.07	Sep 16	51.13
Jan 25	48.10										

PRIMARY WELLS

405222072523301. Local number, S6431.1
LOCATION.—Lat 40°52′23″, long 72°52′36″, Hydrologic Unit 02030202, at Brookhaven National Laboratory, northwest corner of Thomson Road and Forth Avenue, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 125 ft, screened 121 to 125 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 87.7 ft above sea level. Measuring point: Top of 4-in steel casing at yellow arrow, 1.48 ft below land-surface datum.
PERIOD OF RECORD.—January 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 48.98 ft above sea level, April 12, 1979; lowest measured, 38.93 ft above sea level, January 25, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	39.44	Mar 19	39.87	Jun 7	41.94	Jun 25	42.01	Aug 28	41.53	Sep 16	40.89
Jan 25	38.93										

405223072523401. Local number, S6434.1
LOCATION.—Lat 40°42′23″, long 72°52′34″, Hydrologic Unit 02030202, at Brookhaven National Laboratory, northeast corner of Thomson Road and Forth Avenue, in pump shed, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled steel public supply well, diameter 10 in., depth 1,395 ft, screened 1,312 to 1,392 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 85.0 ft above sea level. Measuring point: Hole in flange at arrow, 2.07 ft above land-surface datum.
PERIOD OF RECORD.—August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 36.11 ft above sea level, July 12, 1979; lowest measured, 28.74 ft above sea level, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	29.50	Jan 25	29.46	Mar 19	30.11	Jun 25	31.10	Aug 28	30.97	Sep 16	30.89

405223072523403. Local number, S6455.1
LOCATION.—Lat 40°52′23″, long 72°52′34″, Hydrologic Unit 02030202, at Brookhaven National Laboratory, northeast corner of Thomson Road and Forth Avenue, under manhole cover, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 962 ft, screened 952 to 962 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 85.0 ft above sea level. Measuring point: Top of 4-in steel casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.—July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 42.50 ft above sea level, April 2, 1979; lowest measured, 33.82 ft above sea level, December 27, 1966 and March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	35.06	Mar 19	36.14	Jun 7	37.41	Jun 25	37.56	Aug 28	37.14	Sep 16	36.95
Jan 25	35.08										

PRIMARY WELLS

410247072261101. Local number, S6524.1
LOCATION.—Lat 41°02′47″, long 72°26′11″, Hydrologic Unit 02030202, at Bayview Avenue and State 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	1.16	Jan 25	2.10	Mar 21	2.60	Jun 25	2.03	Sep 16	2.02		

405835072325601. Local number, S6558.1
LOCATION.—Lat 40°58′35″, long 72°32′56″, Hydrologic Unit 02030201, at State 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	4.33	Jan 25	5.02	Mar 21	5.63	Jun 25	5.60	Sep 16	4.82		

405756072173501. Local number, S8833.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

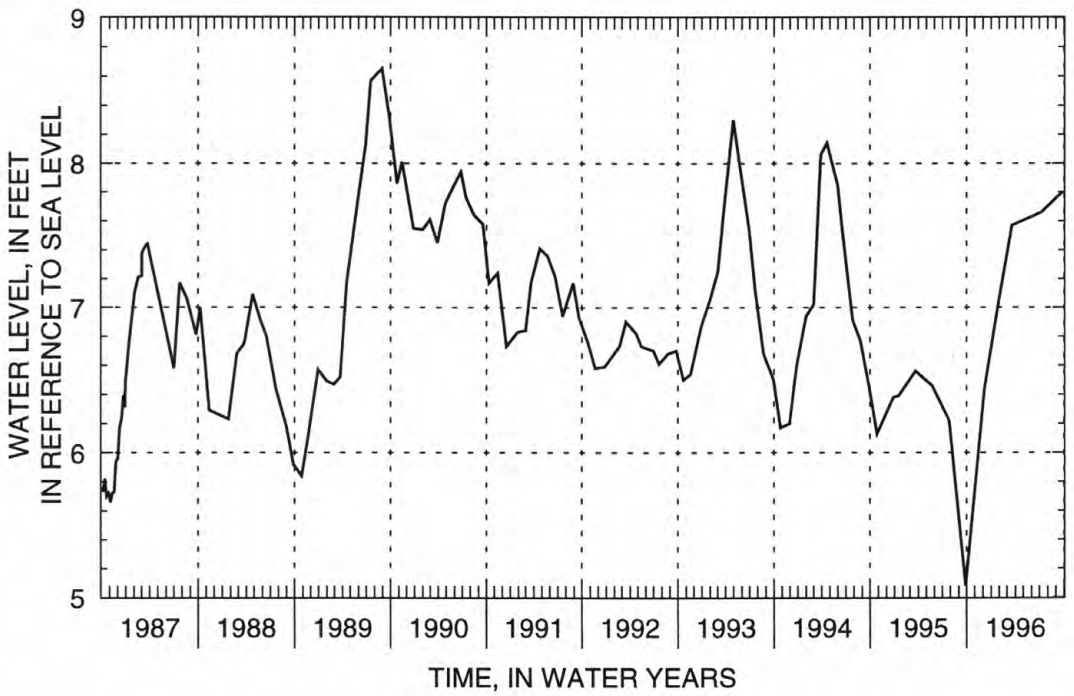
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	14.21	Jan 30	14.99	Mar 19	15.69	Jul 9	17.31	Sep 26	17.29		

PRIMARY WELLS

405309072233101. Local number, S8836.1
LOCATION.—Lat 40°53′09″, long 72°23′31″, Hydrologic Unit 02030202, at south side of Nugent Street, 399 ft east of Windmill Lane, Southampton. Owner: Southampton Fire Department.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel fire-protection well, diameter 8 in., depth 37 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 18.0 ft above sea level. Measuring point: Top edge of 8-in steel casing, inside elbow extension, 0.87 ft above land-surface datum.
PERIOD OF RECORD.—July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 9.12 ft above sea level, June 21, 1984; lowest measured, 4.93 ft above sea level, August 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	6.44	Jan 30	7.05	Mar 19	7.57	Jul 9	7.66	Sep 26	7.80		



405628072164701. Local number, S8838.1
LOCATION.—Lat 40°56′28″, long 72°16′47″, Hydrologic Unit 02030202, at west side of Sagg Road, 153 ft north of Montauk Highway (State Route 27), Bridgehampton. Owner: Bridgehampton Fire Department.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel fire-protection well, diameter 6 in., depth 46 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 28.0 ft above sea level. Measuring point: Top edge of 6-in steel casing, inside elbow extension, 0.40 ft above land-surface datum.
PERIOD OF RECORD.—July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 13.89 ft above sea level, March 16, 1971; lowest measured, 8.84 ft above sea level, August 8, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

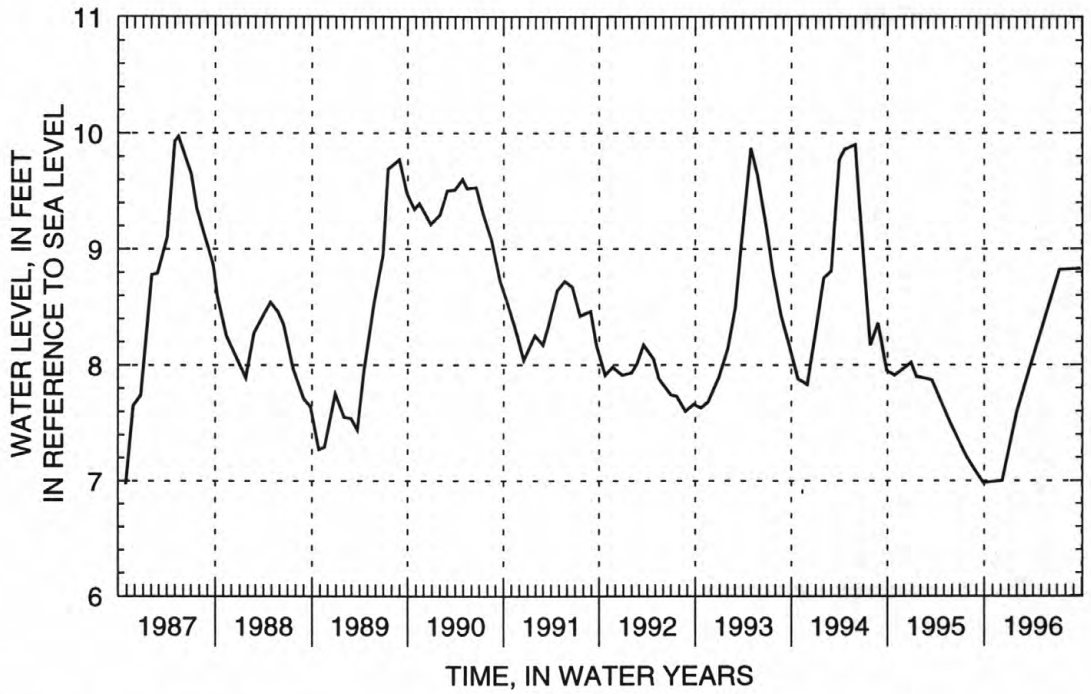
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	9.83	Jan 30	10.55	Mar 19	10.94	Jul 9	11.39	Sep 26	11.52		

PRIMARY WELLS

405840072082301. Local number, S8839.1
LOCATION.—Lat 40°58′40″, long 72°08′23″, Hydrologic Unit 02030202, at west side of Windmill Lane, 0.1 mi north of State Route 27, behind third house, Amaganset. Owner: D. Toler
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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 39.0 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 0.97 ft above land-surface datum.
PERIOD OF RECORD.—August 1950 to current year. Unpublished records from August 1950 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 10.55 ft above sea level, February 27, 1979; lowest measured, 6.10 ft above sea level, October 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	7.00	Jan 30	7.59	Mar 19	7.97	Jul 9	8.82	Sep 26	8.83		



405908072110001. Local number, S8843.1
LOCATION.—Lat 40°59′08″, long 71°11′00″, Hydrologic Unit 02030202, at east side of Three Mile Harbor Road, 0.35 mi north of Morris Park Lane, behind house, East Hampton. Owner: Conklin.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Dug unused well, diameter 30 in., depth 25 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 32.5 ft above sea level. Measuring point: Top of steel grill, 3.12 ft above land-surface datum.
PERIOD OF RECORD.—July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.38 ft above sea level, June 20, 1984; lowest measured, 6.59 ft above sea level, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	7.82	Jan 30	8.42	Mar 19	9.00	Jul 9	10.38	Sep 26	10.20		

PRIMARY WELLS

405907072172101. Local number, S8844.1
LOCATION.—Lat 40°59′07″, long 72°15′12″, Hydrologic Unit 02030202, at south side of Hempstead Street, 91 ft east of Hampton Street, Sag Harbor. Owner: Sag Harbor Fire Department.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel fire-protection well, diameter 6 in., depth 85 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 19.0 ft above sea level. Measuring point: Top edge of 6-in steel casing, inside elbow extension, 1.48 ft above land-surface datum.
PERIOD OF RECORD.—August 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 7.47 ft above sea level, July 18, 1989; lowest measured, 4.43 ft above sea level, December 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	5.22	Jan 30	5.73	Mar 21	6.15	Jul 9	6.21	Sep 26	6.46		

405250073180801. Local number, S15622.1
LOCATION.—Lat 40°52′50″, long 73°18′08″, Hydrologic Unit 02030201, at north side of Pulaski Road, 17 ft east of Rowena Lane, Northport. Owner: Rottkamp.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel unused domestic supply well, diameter 10 in., depth 458 ft, screened 437 to 457 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 205.0 ft above sea level. Measuring point: Top of hole in steel plate at yellow arrow, 0.19 ft below land-surface datum.
PERIOD OF RECORD.—January 1958 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	36.83	Nov 28	37.02	Jun 27	38.07	Sep 25	38.76				

410634072223601. Local number, S16783.2
LOCATION.—Lat 41°06′34″, long 72°22′36″, Hydrologic Unit 02030202, at south side of North Road, east of Moore Lane, Greenport. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 28 ft, screened 20 to 24 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 16.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.13 ft below land-surface datum.
REMARKS.—Replaced well S16783.1 in May 1982, which has a period of record from August 1958 to September 1981.
PERIOD OF RECORD.—July 1982 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	2.32	Jan 25	3.34	Mar 21	2.98	Jun 25	2.34	Sep 16	2.15		

PRIMARY WELLS

410858072171501. Local number, S16787.1
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 U.S. Geological Survey 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 the 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.

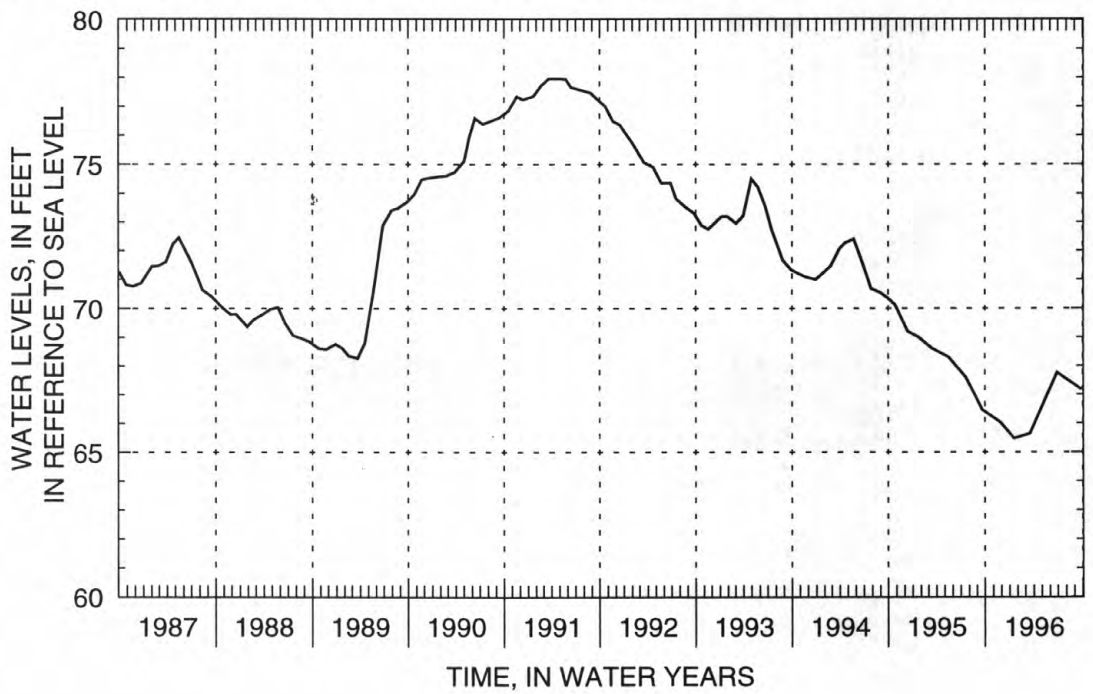
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	2.35	Jan 25	2.88	Mar 21	3.81	Jun 25	3.96	Sep 16	2.90		

404747073241501. Local number, S16874.1
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 U.S. Geological Survey 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 the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 80.14 ft above sea level, May 21, 1980; lowest measured, 65.47 ft above sea level, January 18, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	66.02	Jan 18	65.47	Mar 18	65.63	Jun 27	67.76	Sep 25	67.18		



PRIMARY WELLS

405034073140401. Local number, S16881.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	29.42	Jan 18	29.64	Mar 19	30.08	Jun 27	30.57	Sep 25	30.28		

404902073094001. Local number, S22577.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	37.74	Jan 18	38.01	Mar 22	39.08	Jun 27	40.52	Sep 25	40.37		

404902073094002. Local number, S22578.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	37.70	Jan 18	38.07	Mar 22	39.27	Jun 27	40.87	Sep 25	40.64		

PRIMARY WELLS

404819073160303. Local number, S24769.1
LOCATION.—Lat 40°48′19″, long 73°16′03″, Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 600 ft east of Wicks road, western most well, Brentwood. Owner: United States Geological Survey.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 810 ft, screened 800 to 810 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 139.0 ft above sea level. Measuring point: Top of 4-in steel casing, 1.17 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 the Long Island Subdistrict Office.
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, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	48.00	Mar 19	48.15	Jun 27	49.70						

404829073161502. Local number, S24770.1
LOCATION.—Lat 40°48′19″, long 73°16′03″, Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 606 ft east of Wicks Road, middle well, Brentwood. Owner: United States Geological Survey.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 434 ft, screened 424 to 434 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 139.0 ft above sea level. Measuring point: Top of 4-in steel casing, 0.88 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 the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	48.41	Mar 19	46.64								

PRIMARY WELLS

404820073160303. Local number, S24771.1

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 U.S. Geological Survey personnel.

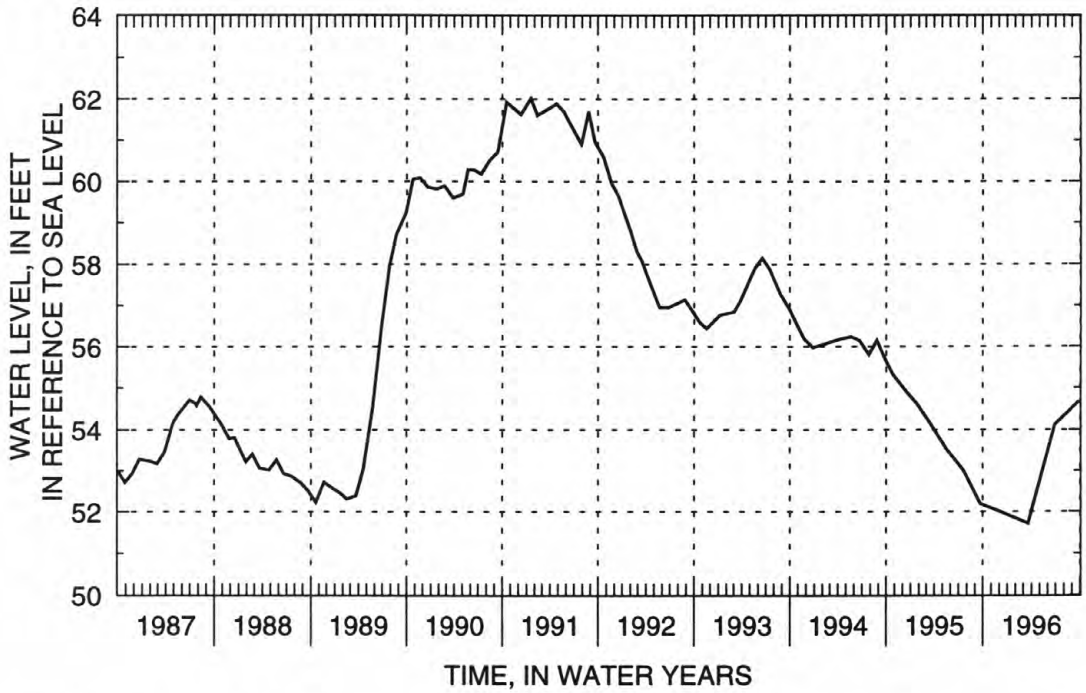
DATUM.—Land-surface datum is 139.0 ft above sea level. Measuring point: Top of 4-in steel coupling, 1.06 ft below land-surface datum.

PERIOD OF RECORD.—August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 19	51.72	Jun 27	54.11	Sep 25	54.66						



405455073025802. Local number, S31734.1

LOCATION.—Lat 40°54′51″, long 73°02′57″, Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 mi south of Nesconset Road (State Route 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 U.S. Geological Survey 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 the Long Island Subdistrict Office.

EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 44.52 ft above sea level, May 30, 1979; lowest measured, 36.58 ft above sea level, October 3, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	36.58	Nov 28	36.96	Jan 19	37.29	Mar 21	37.61	Jul 1	37.32	Sep 27	37.92

PRIMARY WELLS

405452073025701. Local number, S32895.1
LOCATION.—Lat 40°54′51″, long 73°02′57″, Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 mi south of Nesconset Road (State Route 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 U.S. Geological Survey 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 the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 46.54 ft above sea level, December 11, 1984; lowest measured, 37.73 ft above sea level, October 3, 1995.

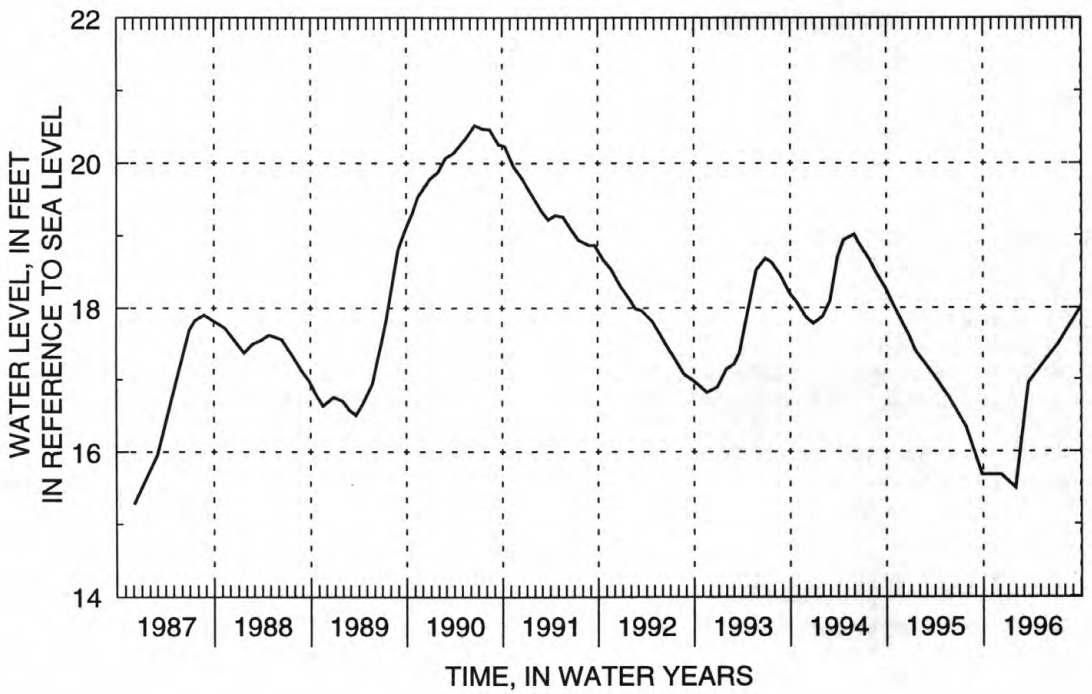
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	37.73	Nov 28	38.11	Jan 19	38.80	Mar 21	39.05	Jul 1	38.49	Sep 27	39.42

405715072193701. Local number, S33921.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	15.68	Jan 30	15.50	Mar 19	16.95	Jul 9	17.50	Sep 26	17.98		



PRIMARY WELLS

405040072414801. Local number, S34743.1
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 mi south of Sunrise Highway (State Route 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 U.S. Geological Survey 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.

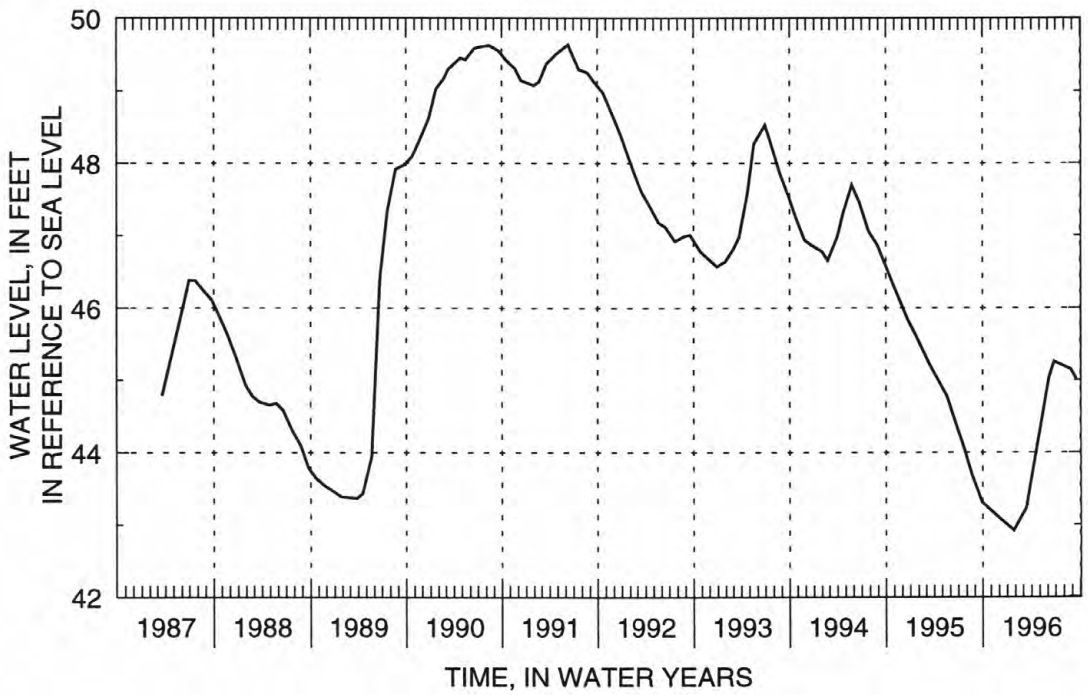
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	16.88	Jan 18	16.85	Mar 18	17.75	Jun 25	18.85	Sep 25	18.80		

405517072574902. Local number, S34892.1
LOCATION.—Lat 40°55′19″, long 72°57′49″, Hydrologic Unit 02030202, at east side of Radio Avenue, 1.3 mi south of Nesconset Road (State Route 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	43.10	Mar 12	43.23	Jun 6	45.04	Jun 25	45.26	Aug 27	45.15	Sep 16	45.02
Jan 25	42.92										

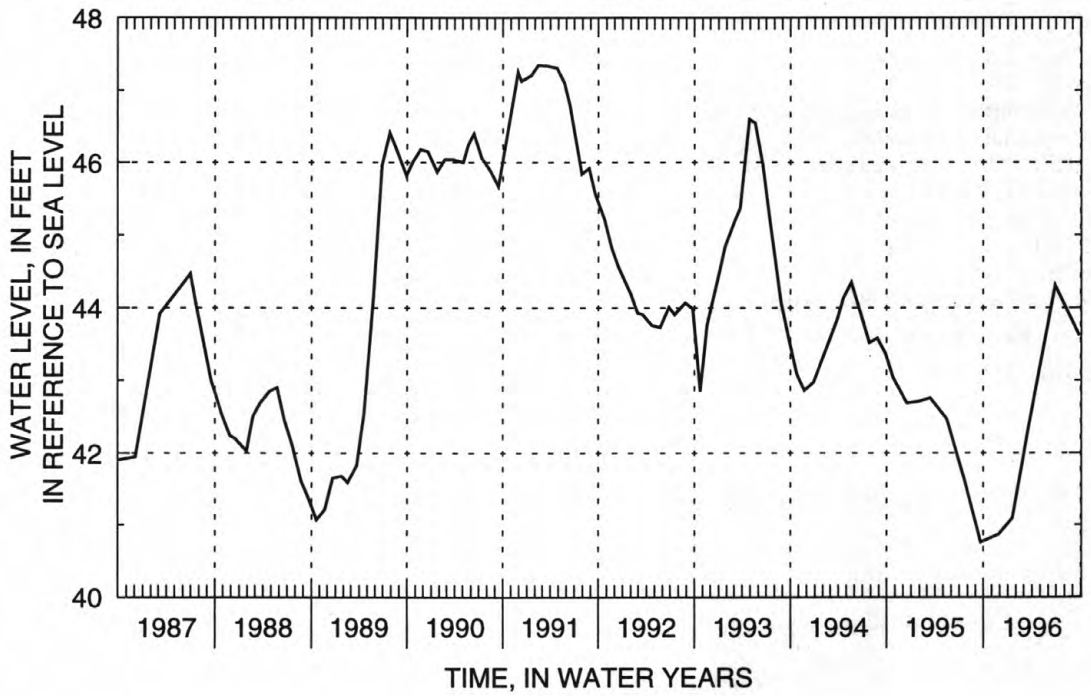


PRIMARY WELLS

404930073120002. Local number, S36142.2
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	40.87	Jan 18	41.09	Mar 19	42.36	Jun 27	44.31	Sep 25	43.62		

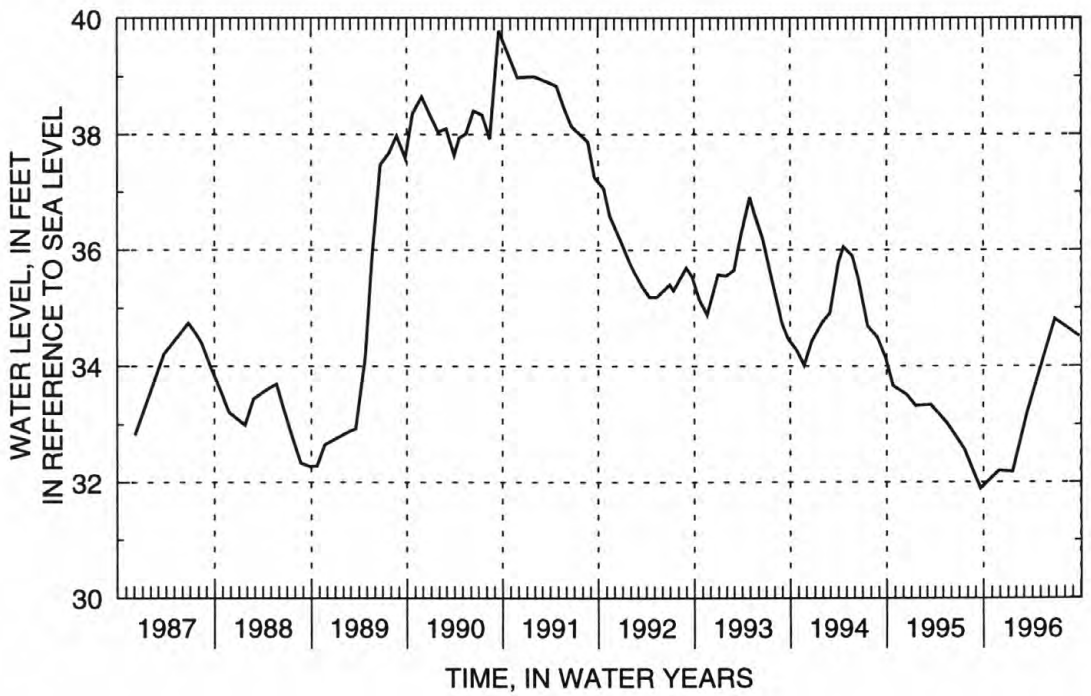


PRIMARY WELLS

404640073050201. Local number, S36144.1
LOCATION.—Lat 40°46′40″, long 73°05′02″, Hydrologic Unit 02030202, at east side of Lincoln Avenue, south of Veterans Memorial Highway (State Route 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	32.20	Jan 18	32.18	Mar 14	33.22	Jun 25	34.81	Sep 25	34.51		

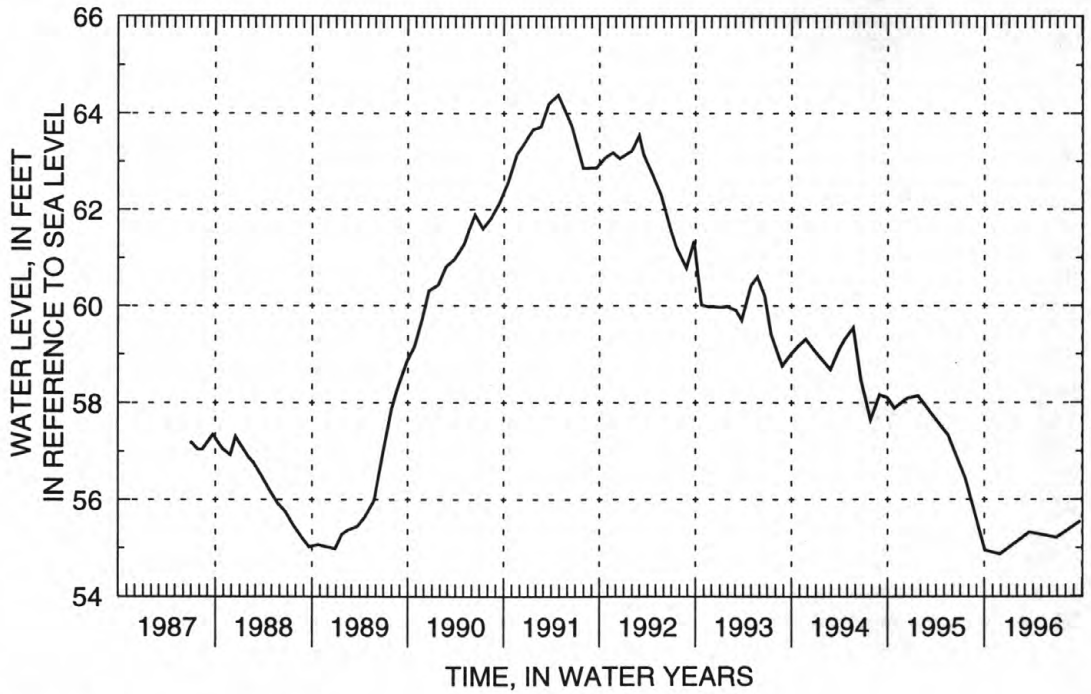


PRIMARY WELLS

405013073263601. Local number, S40840.1
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 U.S. Geological Survey 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, 54.87 ft above sea level, November 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	54.95	Nov 28	54.87	Mar 18	55.32	Jun 27	55.21	Sep 25	55.55		



405124073111501. Local number, S40843.1
LOCATION.—Lat 40°51′24″, long 73°11′15″, Hydrologic Unit 02030201, at intersection of Nissequogue River Road and North Country Road (State Route 25A), just north of Middle Country Road (State Route 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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 66.0 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	34.13	Nov 28	34.76	Jan 18	34.24	Mar 22	35.23	Jul 1	35.52	Sep 25	35.17

PRIMARY WELLS

405230073212101. Local number, S46517.1
LOCATION.—Lat 40°52′30″, long 73°21′21″, Hydrologic Unit 02030201, at southeast corner of Stony Hollow Road and Maple Road, Huntington. Owner: Town of Huntington.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 66 ft, screened 63 to 66 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 123.5 ft above sea level. Measuring point: Top of 2-in steel casing, 0.03 ft above land-surface datum.
PERIOD OF RECORD.—September 1979 to current year. Unpublished records from September 1979 to September 1982 are available in files of the Long Island Subdistrict Office.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	67.22	Nov 28	67.18	Mar 19	67.46	Jun 27	67.99	Sep 25	67.77		

410218072093301. Local number, S46519.1
LOCATION.—Lat 41°02′08″, long 72°09′32″, Hydrologic Unit 02030202, at northwest corner of Hog Creek Lane and White Birch Drive, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 32.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.08 ft below land-surface datum.
PERIOD OF RECORD.—November 1972 to current year. Unpublished records from November 1972 to September 1982 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 9.45 ft above sea level, January 13, 1983; lowest measured, Dry, September 16, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	2.68										

405139072432401. Local number, S46544.1
LOCATION.—Lat 40°51′39″, long 72°43′24″, Hydrologic Unit 02030202, at southwest corner of County Road 51 and service road entrance to recharge basin 33, Eastport. Owner: Suffolk County Department of Public Works.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 107 ft, screen assumed at bottom.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 102.9 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.19 ft below land-surface datum.
PERIOD OF RECORD.—December 1972 to current year. Unpublished records from December 1972 to September 1976 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 31.28 ft above sea level, June 28, 1979; lowest measured, 23.59 ft above sea level, January 18, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	23.76	Jan 18	23.59	Mar 18	23.97	Jun 25	25.59	Aug 29	26.15	Sep 25	26.19

PRIMARY WELLS

405604073064301. Local number, S47973.1
LOCATION.—Lat 40°56′04″, long 73°06′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 U.S. Geological Survey 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.

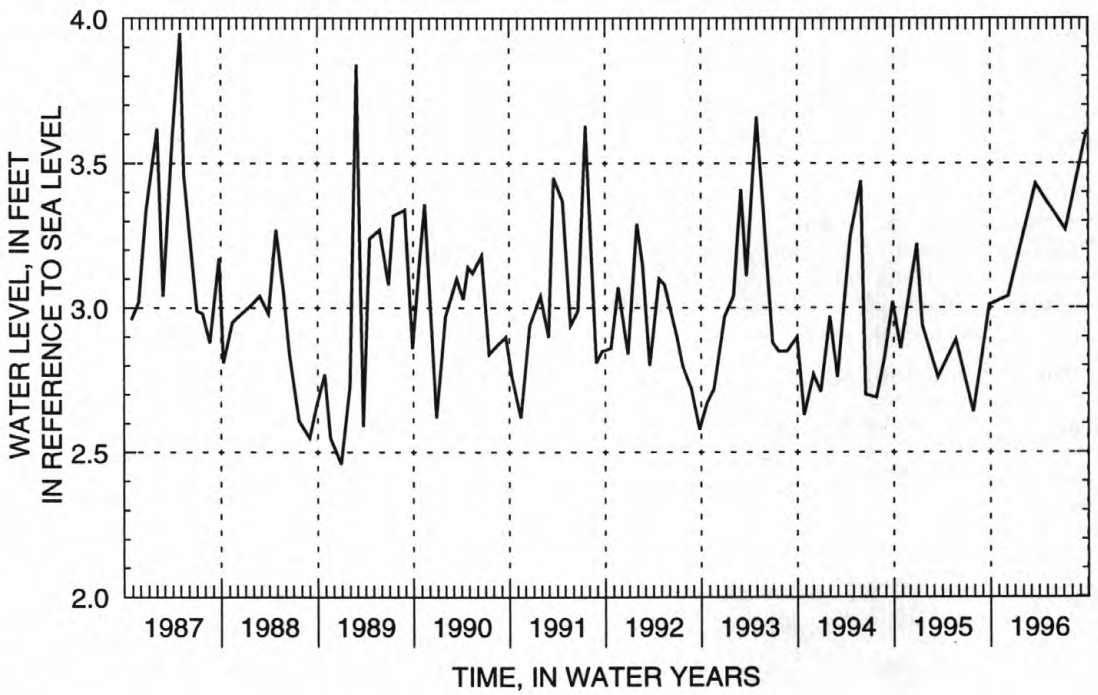
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	22.82	Nov 28	22.92	Jan 18	22.63	Jul 1	25.14	Sep 27	24.49		

410243071560101. Local number, S48519.1
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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.04	Mar 19	3.43	Jul 9	3.27	Sep 26	3.61				



PRIMARY WELLS

410149071583201. Local number, S48577.1
LOCATION.—Lat 41°01′49″, long 71°58′32″, Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (State Route 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 14	3.93										

410316071535501. Local number, S48579.1
LOCATION.—Lat 41°03′16″, long 71°53′54″, Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (State Route 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 U.S. Geological Survey 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 the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.18	Jan 30	3.16	Mar 14	3.73	Jul 9	3.65	Sep 26	4.05		

405309073125401. Local number, S50507.1
LOCATION.—Lat 40°53′09″, long 73°12′54″, Hydrologic Unit 02030201, at east side of Landing Avenue, 1.5 mi 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	41.96	Nov 28	41.72	Mar 19	42.11	Jul 1	43.62	Sep 25	43.90		

PRIMARY WELLS

410104072303301. Local number, S53324.1
LOCATION.—Lat 41°01′04″, long 72°30′33″, Hydrologic Unit 02030202, at east side of Alvahs Lane, 200 ft north of Middle Road (State Route 27), Southold. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 6 in., depth 62 ft, screened 49 to 59 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	4.46	Jan 25	5.06	Mar 21	6.88	Jun 25	8.04	Sep 16	6.96		

404642072520001. Local number, S54882.1
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 U.S. Geological Survey 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	7.51	Mar 12	9.34	Jun 6	10.58	Jun 25	10.63	Aug 26	10.16	Sep 25	9.87
Jan 18	7.98										

405418072494401. Local number, S54884.1
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 U.S. Geological Survey 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	40.64	Mar 12	42.65	Jun 7	43.86	Jun 25	43.67	Aug 27	42.69	Sep 16	42.39
Jan 25	41.49										

PRIMARY WELLS

405241072381801. Local number, S54886.1
LOCATION.—Lat 40°52′41″, long 72°38′18″, Hydrologic Unit 02030202, at intersection of Old Riverhead Road and Riverhead-Quogue Road, on grass island, Riverhead. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 59.4 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.—October 1975 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	15.55	Jan 18	15.69	Mar 19	16.67	Jun 25	18.53	Sep 25	18.33		

405326072275601. Local number, S57366.1
LOCATION.—Lat 40°53′26″, long 72°27′56″, Hydrologic Unit 02030202, at west side of Hill Station Road, 172 ft south of railroad trestle, Southampton. Owner: Town of Southampton.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered PVC observation well, diameter 2 in., depth 64 ft, screened 60 to 64 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 55.4 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.04 ft below land-surface datum.
PERIOD OF RECORD.—November 1975 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	3.55	Mar 19	4.19	Sep 26	4.61						

410052072134001. Local number, S57371.1
LOCATION.—Lat 41°00′55″, long 72°13′42″, Hydrologic Unit 02030202, at west side of Old Northwest Road, 0.9 mi south of Alewive Brook Road, Grassy Hollow. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered PVC observation well, diameter 2 in., depth 62 ft, screened 58 to 62 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 24.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.30 ft below land-surface datum.
PERIOD OF RECORD.—November 1975 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	5.94	Jan 30	6.50	Mar 21	7.35	Jul 9	8.27	Sep 26	7.58		

PRIMARY WELLS

405927072041901. Local number, S57372.1
LOCATION.—Lat 40°59′27″, long 72°04′19″, Hydrologic Unit 02030202, at south side of Montauk Highway (State Route 27), 2.4 mi 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 U.S. Geological Survey 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 the 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.

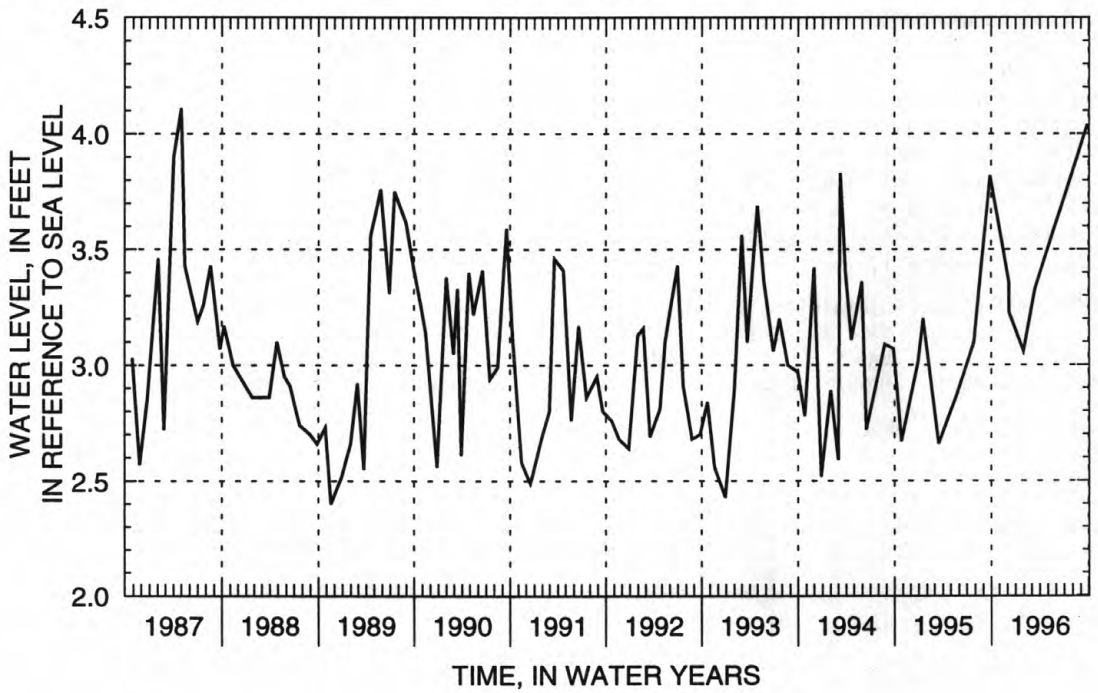
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.14	Jan 30	3.78	Mar 19	3.22	Jul 9	3.14	Sep 26	3.92		

410040072002501. Local number, S58921.1
LOCATION.—Lat 41°00′40″, long 72°00′24″, Hydrologic Unit 02030202, at north side of Montauk Highway (State Route 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.36	Jan 30	3.06	Mar 14	3.33	Sep 26	4.04				



PRIMARY WELLS

405558072252401. Local number, S58956.1
LOCATION.—Lat 40°55′57″, long 72°25′43″, Hydrologic Unit 02030202, at west side of North Sea Road, 107 ft north of Jennings Road, North Sea. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 43 ft, screened 35 to 40 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 5.0 ft above sea level. Measuring point: Top of 4-in PVC casing, 0.61 ft below land-surface datum.
PERIOD OF RECORD.—October 1976 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	1.85	Jan 30	1.57	Mar 19	2.03	Jul 9	1.72	Sep 26	1.67		

405642072240001. Local number, S59992.1
LOCATION.—Lat 40°56′42″, long 72°24′00″, Hydrologic Unit 02030202, at southwest corner of Noyack Road and Majors Path, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 292 ft, screened 268 to 278 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 24.2 ft above sea level. Measuring point: Top of 4-in PVC casing, 0.31 ft below land-surface datum.
PERIOD OF RECORD.—November 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 6.52 ft above sea level, April 17, 1984; lowest measured, 4.46 ft above sea level, June 23, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	4.87	Jan 30	5.09	Mar 19	5.32	Jul 9	5.44	Sep 26	5.59		

405559072145901. Local number, S60123.1
LOCATION.—Lat 40°56′00″, long 72°15′00″, Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, northern middle well, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 280 ft, screened 270 to 280 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 4-in PVC casing at yellow arrow, 0.02 ft above land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	6.67	Jan 30	7.01	Mar 19	7.65	Jul 9	7.61	Sep 26	8.01		

PRIMARY WELLS

405600072150003. Local number, S62394.1
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).
WELL CHARACTERISTICS.—Augered PVC observation well, diameter 2 in., depth 74 ft, screened 70 to 74 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.46 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 9.65 ft above sea level, September 30, 1996; lowest measured, 5.84 ft above sea level, July 2, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	6.38	Jan 30	6.99	Mar 19	7.32	Jul 9	7.12	Sep 30	9.65		

405600072150002. Local number, S62395.1
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.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Driven PVC observation well, diameter 2 in., depth 14 ft, screened 10 to 14 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.51 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 9.61 ft above sea level, September 30, 1996; lowest measured, 5.86 ft above sea level, July 27, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	6.33	Jan 30	6.96	Mar 19	7.28	Jul 9	7.07	Sep 30	9.61		

415843072213401. Local number, S62402.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	32.70	Jan 30	32.93	Mar 19	33.70	Jul 9	35.35	Sep 26	35.03		

PRIMARY WELLS

405740073064501. Local number, S62405.1
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 U.S. Geological Survey 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, 5.02 ft above sea level, July 1, 1996; lowest measured, 2.79 ft above sea level, March 26, 1981.

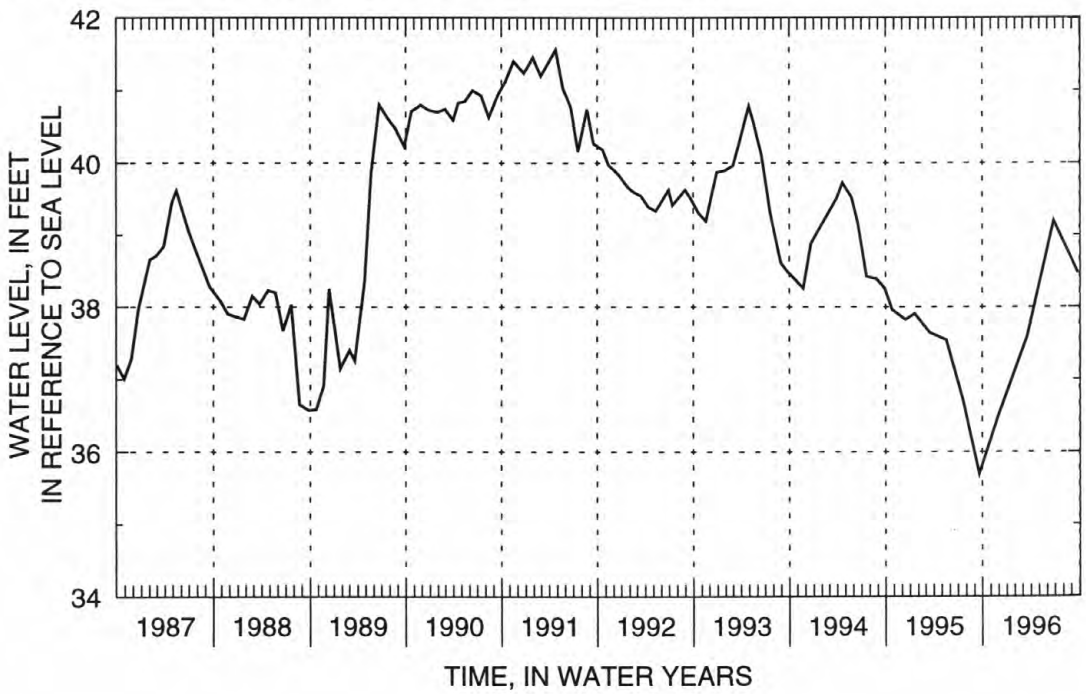
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	3.79	Nov 28	4.57	Mar 21	3.93	Jul 1	5.02	Sep 27	4.01		

404813073084102. Local number, S65601.1
LOCATION.-Lat 40°48′13″, long 73°08′41″, Hydrologic Unit 02030202, at north side 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 U.S. Geological Survey 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 S1813.2 in September 1978. Record from November 1939 to September 1978 are available in files of the 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	36.47	Mar 18	37.59	Jun 25	39.19	Sep 25	38.47				

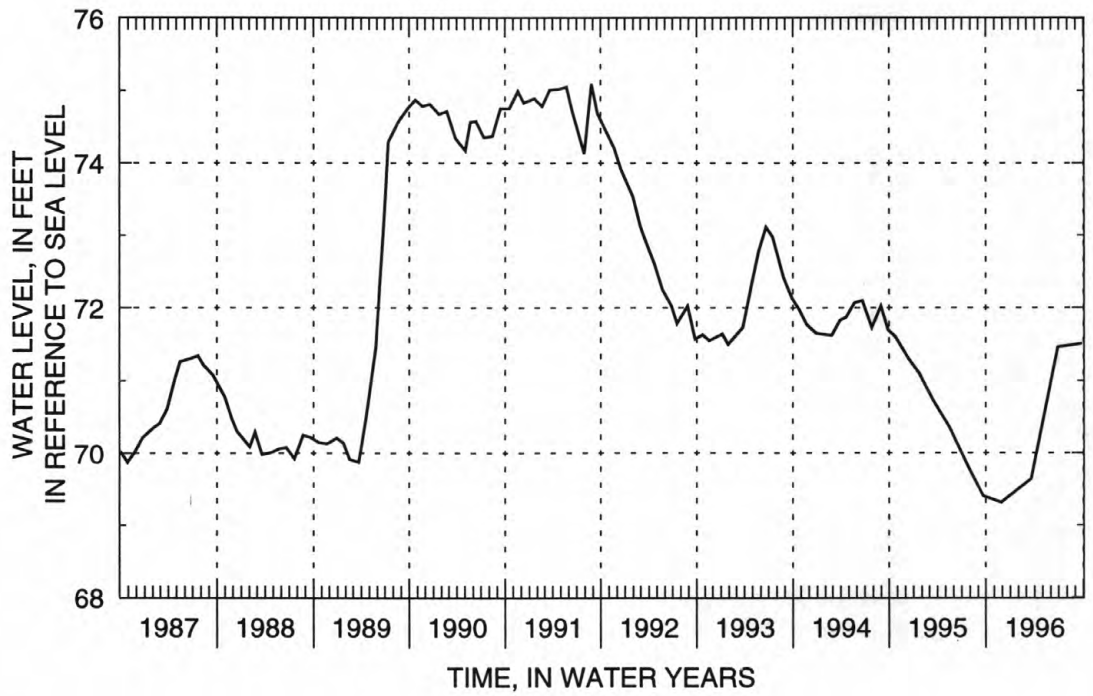


PRIMARY WELLS

405030073180601. Local number, S65602.1
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 U.S. Geological Survey 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 S3514.1 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, 69.31 ft above sea level, November 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	69.31	Mar 19	69.64	Jun 27	71.46	Sep 25	71.51				

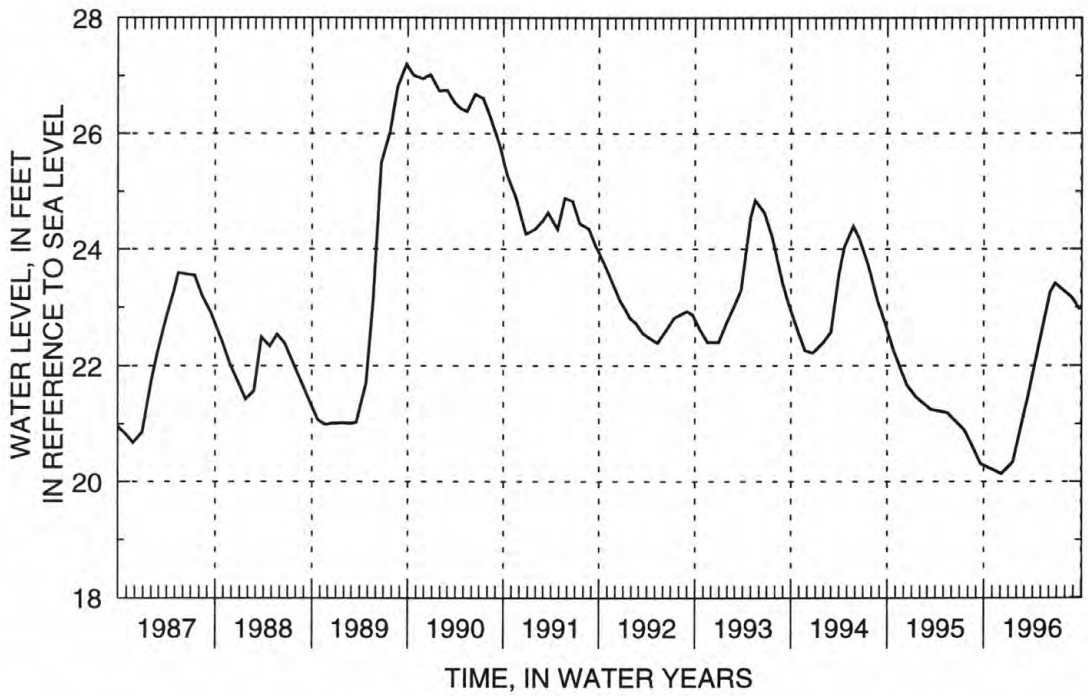


PRIMARY WELLS

404936072483501. Local number, S65604.1
LOCATION.—Lat 40°49′36″, long 72°48′35″, Hydrologic Unit 02030202, at northwest corner of Sunrise Highway Service Road and Wading River Road, Manorville. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 56 ft, screened 51 to 56 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 64.5 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.32 ft below land-surface datum.
REMARKS.—Replaces well S6439.1 in October 1978, which has a period of record from January 1949 to October 1978.
PERIOD OF RECORD.—October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 28.14 ft above sea level, July 23, 1984; lowest measured, 20.14 ft above sea level, December 6, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	20.14	Mar 13	21.44	Jun 6	23.26	Jun 25	23.41	Aug 26	23.17	Sep 25	22.96
Jan 18	20.34										



404430073123301. Local number, S66135.1
LOCATION.—Lat 40°44′30″, long 73°12′33″, Hydrologic Unit 02030202, at south side of Sunrise Highway (State Route 27), west of Great Neck Road, in grassy area of entrance ramp cloverleaf, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, casing diameter 6 in., screen diameter 4 in., depth 168 ft, screened 127 to 137 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 30.0 ft above sea level. Measuring point: Top of 6-in steel casing, 3.99 ft above land-surface datum.
PERIOD OF RECORD.—January 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 23.55 ft above sea level, November 27, 1989; lowest measured, 17.06 ft above sea level, September 19, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	18.49	Jan 18	18.60	Mar 13	19.91	Jun 25	20.36	Sep 25	19.47		

PRIMARY WELLS

403935073235001. Local number, S66136.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.90	Jan 25	3.83	Mar 11	3.32	Sep 30	4.22				

404524073123401. Local number, S66149.1
LOCATION.—Lat 40°45′24″, long 73°12′34″, Hydrologic Unit 02030202, at southeast corner of Islip Avenue (State Route 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	22.66	Jan 18	22.83	Mar 18	23.88	Jun 25	23.96	Sep 25	23.51		

403935073235002. Local number, S67537.1
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 U.S. Geological Survey 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, 1.14 ft above sea level, March 11, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	1.70	Jan 25	1.87	Mar 11	1.14	Sep 30	2.23				

PRIMARY WELLS

405529073272901. Local number, S69781.1
LOCATION.—Lat 40°55′29″, long 73°27′29″, Hydrologic Unit 02030201, at Caumsett State Park, 1.0 mi 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 U.S. Geological Survey 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, 6.11 ft above sea level, January 18, 1996.

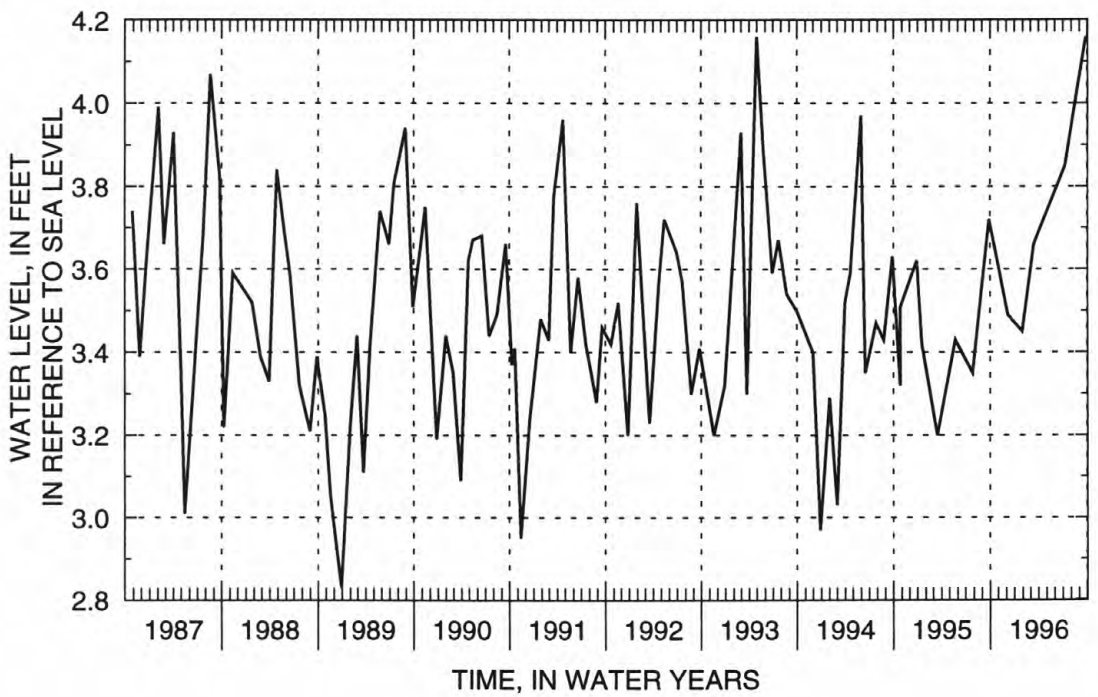
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	6.24	Nov 28	6.16	Jan 18	6.11	Mar 18	6.40	Jun 27	7.88	Sep 25	7.73

410343071533101. Local number, S70262.1
LOCATION.—Lat 41°03′43″, long 71°53′31″, Hydrologic Unit 02030202, at south side of Montauk Point State Parkway (State Route 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	3.49	Jan 30	3.45	Mar 14	3.66	Jul 9	3.85	Sep 26	4.16		



PRIMARY WELLS

405801072354401. Local number, S71576.1
LOCATION.—Lat 40°58′01″, long 72°35′44″, Hydrologic Unit 02030202, at east side of Manor Lane, 1.6 mi north of Main Road (State Route 25), southern middle well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 448 ft, screened 443 to 448 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 53.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 1.16 ft below land-surface datum.
PERIOD OF RECORD.—February 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 13.02 ft above sea level, September 27, 1984; lowest measured, 6.46 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	6.95	Jan 25	7.46	Mar 21	8.60	Jun 25	9.07	Sep 16	8.38		

405642072240003. Local number, S73993.1
LOCATION.—Lat 40°56′42″, long 72°24′00″, Hydrologic Unit 02030202, at southwest corner of Noyack Road and Majors Path, North Sea. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 1 1/4 in., depth 238 ft, screened 230 to 235 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 24.2 ft above sea level. Measuring point: Top of 1 1/4-in PVC casing, 0.51 ft below land-surface datum.
PERIOD OF RECORD.—April 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	4.82	Jan 30	5.12	Mar 19	5.32	Jul 9	5.45	Sep 26	5.63		

405600072150005. Local number, S73994.1
LOCATION.—Lat 40°56′00″, long 72°15′00″, Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, northern most well, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 1 1/4 in., depth 303 ft, screened 298 to 303 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 1 1/4-in PVC casing, at land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	4.63	Jan 30	4.95	Mar 19	5.59	Jul 9	5.54	Sep 26	5.98		

PRIMARY WELLS

405858072213501. Local number, S73998.1
LOCATION.—Lat 40°58′58″, long 72°21′35″, Hydrologic Unit 02030202, at south end of Club Lane, 624 ft west of Wildwood Road, near Highway Department entrance, southern most well, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 1 1/4 in., depth 803 ft, screened 795 to 800 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 99.7 ft above sea level. Measuring point: Top of 1 1/4-in steel casing, 0.20 ft below land-surface datum.
PERIOD OF RECORD.—April 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	4.90	Jan 30	4.62	Mar 19	4.87	Jul 9	5.20	Sep 26	5.44		

405858072213602. Local number, S73999.1
LOCATION.—Lat 40°58′58″, long 72°21′35″, Hydrologic Unit 02030202, at south end of Club Lane, 624 ft west of Wildwood Road, near Highway Department entrance, northern most well, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 3 in., depth 597 ft, screened 584 to 594 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 99.7 ft above sea level. Measuring point: Top of 3-in steel casing, 0.35 ft below land-surface datum.
PERIOD OF RECORD.—April 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	9.42	Jan 30	9.55	Mar 19	9.89	Jul 9	10.02	Sep 26	9.33		

405322072454101. Local number, S74292.1
LOCATION.—Lat 40°53′23″, long 72°45′43″, Hydrologic Unit 02030202, at south side of Mill Road, opposite Primrose Path, Brookhaven. Owner: United States Geological Survey.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 56 ft, screened 52 to 56 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 73.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 1.20 ft above land-surface datum.
PERIOD OF RECORD.—May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 42.22 ft above sea level, June 21, 1984; lowest measured, 33.59 ft above sea level, November 30, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	33.59	Mar 13	34.73	Jun 7	36.51	Jun 25	36.70	Aug 26	36.22	Sep 16	36.02
Jan 25	33.65										

PRIMARY WELLS

404433073244903. Local number, S74586.1
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.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 441 ft, screened 433 to 438 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jun 25	51.52										

404433073244904. Local number, S74587.1
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.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 196 ft, screened 188 to 193 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	49.66	Jan 18	50.40	Mar 12	50.83	Jun 25	52.48	Sep 25	51.75		

404433073244905. Local number, S75033.1
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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	49.75	Jan 18	49.47	Mar 12	50.91	Jun 25	52.59	Sep 25	51.84		

PRIMARY WELLS

404433073244902. Local number, S75034.2
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 middle well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 698 ft, screened 688 to 693 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 86.5 ft above sea level. Measuring point: Top of 4-in steel coupling, 0.26 ft below land-surface datum.
PERIOD OF RECORD.—April 1984 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	48.46	Mar 12	49.79	Jun 25	51.03	Sep 25	50.29				

404859073194002. Local number, S75454.2
LOCATION.—Lat 40°48′59″, long 73°19′40″, Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 154 ft north of parking lot, northern most well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 4 in., depth 740 ft, screened 730 to 735 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 230.7 ft above sea level. Measuring point: Top of 4-in steel casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 74.05 ft above sea level, March 21, 1991; lowest measured, 63.30 ft above sea level, June 27, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	63.60	Jan 18	63.32	Mar 18	63.36	Jun 27	63.30	Sep 25	63.88		

404859073194003. Local number, S75455.1
LOCATION.—Lat 40°48′59″, long 73°19′40″, Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 144 ft north of parking lot, middle well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 508 ft, screened 500 to 505 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 230.2 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.—March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 74.45 ft above sea level, March 21, 1991; lowest measured, 63.62 ft above sea level, March 18 and June 27, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	63.92	Jan 18	63.65	Mar 18	63.62	Jun 27	63.62	Sep 25	64.11		

PRIMARY WELLS

404859073194004. Local number, S75456.1
LOCATION.—Lat 40°48′59″, long 73°19′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.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 203 ft, screened 195 to 200 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey 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, 69.86 ft above sea level, March 18, 1996.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	70.37	Jan 18	70.18	Mar 18	69.86	Jun 27	70.27	Sep 25	70.69		

404530073181102. Local number, S76016.2
LOCATION.—Lat 40°45′30″, long 73°18′11″, Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	39.72	Jan 18	40.42	Mar 13	41.78	Jun 25	40.97	Sep 25	41.13		

404530073181103. Local number, S76017.1
LOCATION.—Lat 40°45′30″, long 73°18′11″, Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	39.51	Jan 18	40.19	Mar 13	41.47	Jun 25	40.71	Sep 25	40.83		

PRIMARY WELLS

404530073181104. Local number, S76018.1
LOCATION.—Lat 40°45′30″, long 73°18′11″, Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, western middle well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 194 ft, screened 186 to 191 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 63.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.24 ft below land-surface datum.
PERIOD OF RECORD.—June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 47.08 ft above sea level, November 16, 1990; lowest measured, 38.46 ft above sea level, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	40.08	Jan 18	40.76	Mar 13	42.18	Jun 25	41.21	Sep 25	41.32		

404530073181105. Local number, S76019.1
LOCATION.—Lat 40°45′30″, long 73°18′11″, Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, eastern most well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 2 in., depth 62 ft, screened 57 to 62 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 63.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.14 ft below land-surface datum.
PERIOD OF RECORD.—September 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 56.11 ft above sea level, October 16, 1990; lowest measured, 49.29 ft above sea level, July 21, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	50.01	Jan 18	49.70	Mar 13	50.69	Jun 25	52.07	Sep 25	51.99		

405317072331902. Local number, S77435.1
LOCATION.—Lat 40°53′17″, long 72°33′18″, Hydrologic Unit 02030202, at south side of dirt road, 145 ft east of Riverhead-Hampton Bays Road (State Route 24), 195 ft south of Bellows Pond Road, eastern most well, Rampasture. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 27 ft, screened 25 to 27 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 18.8 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.—March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 10.04 ft above sea level, April 19, 1990; lowest measured, 6.77 ft above sea level, October 28, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	8.02	Mar 18	9.20	Jun 25	9.32	Sep 25	8.85				

PRIMARY WELLS

405317072331903. Local number, S77436.2
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 (State Route 24), 195 ft south of Bellows Pond Road, western most well, Rampasture. Owner: Suffolk County Department of Health Services.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 508 ft, screened 500 to 505 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 18.7 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.41 ft below land-surface datum.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	7.78	Mar 18	8.81	Jun 25	9.29	Sep 25	8.78				

403935073235003. Local number, S79407.1
LOCATION.—Lat 40°39′37″, long 73°23′50″, Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, western middle well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.—Lloyd (confined).
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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 7.8 ft above sea level. Measuring point: Top of 4-in removable PVC extension, 10.39 ft above land-surface datum.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	16.02	Jan 25	16.21	Mar 11	16.11						

403935073235004. Local number, S79408.1
LOCATION.—Lat 40°39′37″, long 73°23′50″, Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, western most well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
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 U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 7.8 ft above sea level. Measuring point: Top of 4-in steel coupling, 0.58 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, 7.22 ft above sea level, March 4, 1991; lowest measured, 5.12 ft above sea level, July 31, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 7	6.21	Jan 25	6.08	Mar 11	5.77	Sep 30	6.35				

PRIMARY WELLS

405604073064302. Local number, S81831.1
LOCATION.—Lat 40°56′04″, long 73°06′43″, Hydrologic Unit 02030201, at north side of North Country Road (State Route 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 U.S. Geological Survey 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, 18.73 ft above sea level, October 3, 1995.

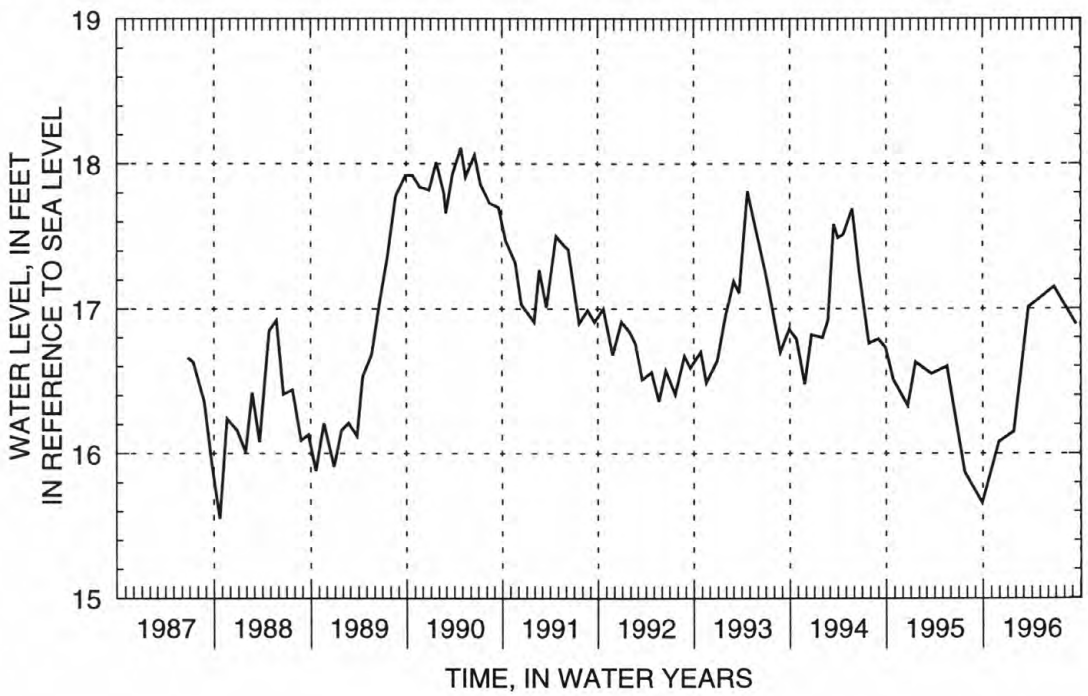
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 3	18.73	Nov 28	19.41	Mar 21	20.06	Jul 1	20.50	Sep 27	20.29		

405536072375301. Local number, S82938.1
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 rest room 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 U.S. Geological Survey 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 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	16.08	Jan 25	16.15	Mar 21	17.01	Jun 25	17.15	Sep 16	16.89		

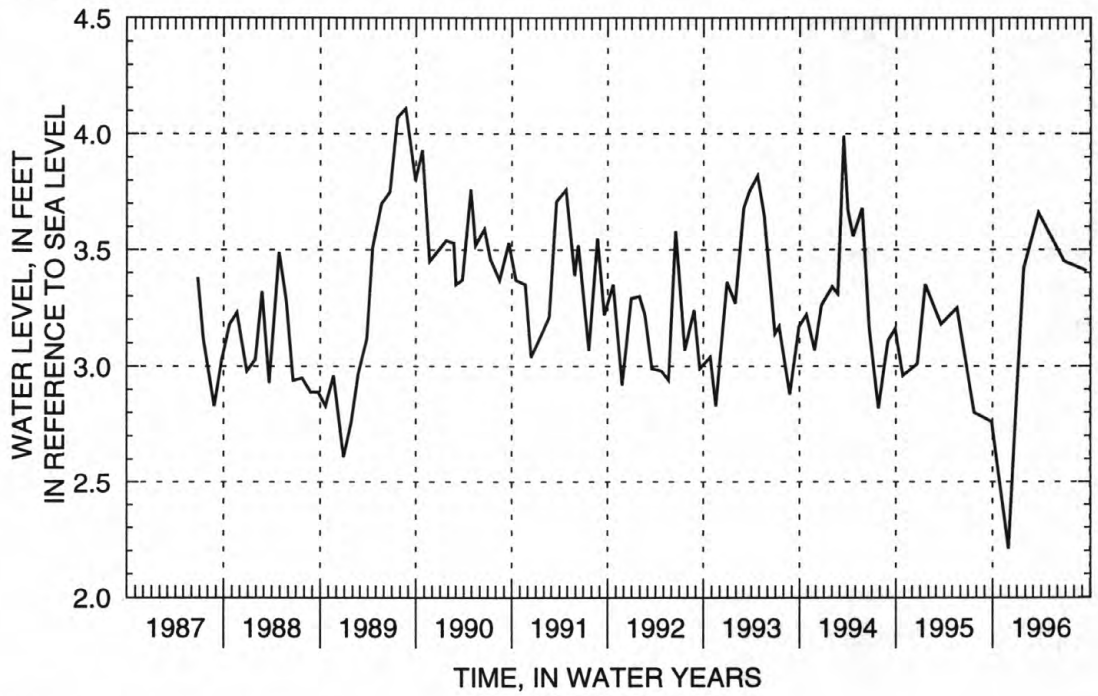


PRIMARY WELLS

405536072375302. Local number, S82939.1
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 rest room facilities, Riverhead. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 162 ft, screened 155 to 162 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.03 ft below land surface datum.
PERIOD OF RECORD.—June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 4.11 ft above sea level, August 22, 1989; lowest measured, 2.21 ft above sea level, November 30, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	2.21	Jan 25	3.42	Mar 21	3.66	Jun 25	3.45	Sep 16	3.41		



405641072341602. Local number, S83709.1
LOCATION.—Lat 40°56′41″, long 72°34′16″, Hydrologic Unit 02030202, at east side of state boat ramp, 118 ft south of Peconic Bay Boulevard, western most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 161 ft, screened 153 to 158 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 6.0 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.—June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 5.04 ft above sea level, March 21, 1996; lowest measured, 1.55 ft above sea level, April 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	3.84	Jan 25	4.00	Mar 21	5.04	Jun 25	4.61	Sep 16	4.44		

PRIMARY WELLS

405641072341604. Local number, S83792.1
LOCATION.—Lat 40°56′41″, long 72°34′16″, Hydrologic Unit 02030202, at east side of state boat ramp, 118 ft south of Peconic Bay Boulevard, eastern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered steel observation well, diameter 2 in., depth 18 ft, screened 16 to 18 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 6.0 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.29 ft above land-surface datum.
PERIOD OF RECORD.—August 1988 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	1.95	Jan 25	1.94	Mar 21	2.28	Jun 25	1.94	Sep 16	1.95		

404846072533204. Local number, S84806.1
LOCATION.—Lat 40°48′46″, long 72°53′32″, Hydrologic Unit 02030202, at Southhaven County Park, north side of dirt road leading from picnic area to Carmans River, 227 ft west of river, eastern most well, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC to steel observation well, diameter 8 in. from surface to 75 ft, and 2 in. from 75 ft to bottom, depth 849 ft, screened 839 to 849 ft.
INSTRUMENTATION.—Measurement with clear plastic tube extension and stadia rod by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 17.6 ft above sea level. Measuring point: Top of steel meter box rim, 0.01 ft above land-surface datum.
PERIOD OF RECORD.—March 1987 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	21.63	Mar 26	22.35	Jun 11	23.31	Jun 25	23.45				

404846072533201. Local number, S84807.1
LOCATION.—Lat 40°48′46″, long 72°53′32″, Hydrologic Unit 02030202, at Southhaven County Park, north side of dirt road leading from picnic area to Carmans River, 253 ft west of river, western most well, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (confined).
WELL CHARACTERISTICS.—Drilled PVC to steel observation well, diameter 8 in. from surface to 94 ft, and 4 in. from 94 ft to bottom, depth 556 ft, screened 545 to 556 ft.
INSTRUMENTATION.—Measurement with clear plastic tube extension and stadia rod by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 17.7 ft above sea level. Measuring point: Top of steel meter box rim, 0.03 ft below land-surface datum.
PERIOD OF RECORD.—March 1987 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	19.27	Mar 26	20.33	Jun 11	21.24	Jun 25	20.83				

PRIMARY WELLS

404846072533203. Local number, S84808.1
LOCATION.—Lat 40°48′46″, long 72°53′32″, Hydrologic Unit 02030202, at Southhaven County Park, north side of dirt road leading from picnic area to Carmans River, 240 ft west of river, eastern middle well, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.—Magothy (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 109 ft, screened 101 to 106 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 17.5 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.21 ft above land-surface datum.
PERIOD OF RECORD.—March 1987 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	10.52	Mar 26	10.97	Jun 11	11.01	Jun 25	11.02				

404846072533202. Local number, S85712.1
LOCATION.—Lat 40°48′46″, long 72°53′32″, Hydrologic Unit 02030202, at Southhaven County Park, north side of dirt road leading from picnic area to Carmans River, 246 ft west of river, western middle well, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled steel observation well, diameter 2 in., depth 22 ft, screened 21 to 22 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 17.5 ft above sea level. Measuring point: Top of 2-in steel coupling, 0.52 ft below land-surface datum.
PERIOD OF RECORD.—March 1987 to current year.
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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 6	10.38	Mar 26	10.86	Jun 11	10.88	Jun 25	10.90				

404433073244906. Local number, S87041.1
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.
AQUIFER.—Lloyd (confined).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 983 ft, screened 968 to 978 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 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.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 28	24.45	Jan 18	24.70	Jun 25	25.02	Sep 25	24.63				

PRIMARY WELLS

405801072354405. Local number, S91812.1
LOCATION.—Lat 40°58′01″, long 72°35′44″, Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 175 ft north of power lines, northern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 199 ft, screened 191 to 196 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 53.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.20 ft below land-surface datum.
REMARKS.—Prior to October 1993, well-completion and water-level data listed for well S91812.1 was actually that of well S91813.1.
PERIOD OF RECORD.—September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.78 ft above sea level, November 21, 1989; lowest measured, 5.75 ft above sea level, November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	7.32	Jan 25	7.93	Mar 21	9.30						

405801072354404. Local number, S91813.1
LOCATION.—Lat 40°58′01″, long 72°35′44″, Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 168 ft north of power lines, northern middle well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Drilled PVC observation well, diameter 4 in., depth 99 ft, screened 91 to 96 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 53.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.41 ft below land-surface datum.
REMARKS.—Prior to October 1993, well-completion and water-level data listed for well S91813.1 was actually that of well S91812.1.
PERIOD OF RECORD.—September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 11.73 ft above sea level, May 15, 1990; lowest measured, 6.69 ft above sea level, September 28, 1995.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	7.21	Jan 25	7.82	Mar 21	8.89						

410038072284202. Local number, S91814.1
LOCATION.—Lat 40°58′01″, long 72°35′44″, Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 155 ft north of power lines, southern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.—Upper glacial (water table).
WELL CHARACTERISTICS.—Augered PVC observation well, diameter 4 in., depth 77 ft, screened 67 to 72 ft.
INSTRUMENTATION.—Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.—Land-surface datum is 53.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.—September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.—Highest water level measured, 12.69 ft above sea level, June 18, 1990; lowest measured, 5.77 ft above sea level, October 31 and November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	7.42	Mar 21	9.31	Jun 25	10.14	Sep 16	9.39				

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404057073583701	K19.1	404058	735840	112JMCO	1954	46.9	--	--	07-12-96	8.31
403451073585601	K2859.1	403451	735856	211LLYD	1981	8.0	474	500	03-13-96	5.61
403750073571701	K3132.1	403750	735717	112JMCO	1982	31.0	259	300	03-14-96	6.23
403612073573208	K3159.1	403612	735732	112GLCLU	1970	20.0	32	35	03-14-96	4.63
403605073571201	K3247.1	403605	735712	112GLCLU	1980	18.6	21	24	03-14-96	4.17
									07-12-96	4.34
403712074001608	K3248.1	403712	740016	112GLCLU	1980	40.4	42	45	03-13-96	5.19
									07-12-96	5.35
403442073575401	K3250.1	403443	735755	112GLCLU	1980	9.2	21	24	03-13-96	1.78
									07-12-96	1.89
403827073535201	K3255.1	403827	735352	112GLCLU	1980	16.8	21	24	03-14-96	4.74
									07-05-96	4.55
403949073532108	K3256.1	403949	735321	112GLCLU	1980	27.0	26	29	03-14-96	5.30
									07-05-96	5.40
404017073544501	K3257.1	404017	735445	112GLCLU	1980	49.0	47	50	03-14-96	10.11
									07-05-96	10.29
404325073563508	K3260.1	404325	735635	112GLCLU	1980	28.7	20	23	07-12-96	10.24
404025073515101	K3271.1	404025	735151	112GLCLU	1981	22.4	31	34	03-14-96	5.93
									07-05-96	5.76
403817073580101	K3273.1	403817	735801	112GLCLU	1981	33.5	36	39	03-14-96	8.11
									07-12-96	8.24
404037073584001	K3301.1	404036	735840	112GLCLU	1984	60.6	65	70	11-28-95	16.10
									03-13-96	16.21
									07-02-96	17.51
									09-19-96	17.13
403719073573301	K3405.1	403719	735733	112GLCLU	1995	33.5	204	214	03-14-96	5.59
									07-02-96	5.62
									09-19-96	5.76
403806074021901	K3406.1	403806	740219	112JMCO	1995	14.4	135	145	03-13-96	3.08
									07-02-96	3.06
									09-19-96	4.03
403520073575701	K3407.1	403520	735757	112JMCO	1995	8.5	385	405	03-13-96	2.95
									07-02-96	3.07
									09-19-96	3.39
404039073555002	K3410.1	404039	735550	211LLYD	1995	61.8	330	350	03-14-96	7.99
									07-02-96	8.04
									09-19-96	8.06
403431073581101	K3414.1	403431	735811	211MGTY	1995	7.1	390	410	03-13-96	1.28
									07-12-96	-1.26
403840073592101	K3424.1	403840	735921	112GLCLU	1995	75.4	70	75	03-13-96	8.12
									07-12-96	8.37
404039073555001	K3425.1	404039	735550	112GLCLU	1993	61.9	70	75	11-28-95	10.61
									01-23-96	10.61
									03-14-96	10.85
									09-19-96	11.44

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404735073424218	N24.3	404735	734242	211LLYD	1955	11.8	359	419	12-04-95	-8.94
									03-22-96	-1.39
									09-10-96	-31.11
404940073392701	N662.1	404940	733927	211LLYD	1977	10.6	347	363	12-05-95	14.22
									03-19-96	14.38
									05-15-96	14.12
									09-11-96	11.22
403748073422603	N1115.3	403748	734226	112GLCLU	1990	22.0	--	--	12-08-95	9.22
									01-23-96	9.69
									03-12-96	10.32
									07-09-96	10.46
									09-20-96	10.46
405048073404303	N1118.21	405048	734043	112GLCLU	1961	147.0	73	82	12-05-95	76.12
									03-19-96	76.44
									05-15-96	78.10
									09-11-96	78.71
404835073404004	N1120.4	404835	734040	112GLCLU	1976	116.0	95	100	12-05-95	44.13
									01-23-96	43.98
									03-19-96	43.95
									05-15-96	44.31
									07-11-96	44.06
									09-11-96	43.71
									09-27-96	43.65
403942073371301	N1147.2	403942	733713	112GLCLU	1966	27.0	21	24	03-12-96	13.53
405318073375501	N1149.1	405318	733755	112PGFG	1941	89.0	77	82	11-27-95	39.32
									12-06-95	39.26
									01-22-96	38.92
									03-19-96	39.07
									05-16-96	39.39
									07-02-96	39.93
									09-11-96	40.23
									09-16-96	40.27
									09-21-96	39.72
405007073373101	N1153.1	405007	733731	211MGTY	1940	122.0	--	86	12-06-95	52.07
									03-19-96	53.48
									05-17-96	53.39
									09-12-96	53.10
404800073371201	N1155.1	404800	733712	211MGTY	1941	261.0	--	230	12-05-95	61.06
									12-08-95	61.11
									03-22-96	61.15
									05-15-96	61.20
									06-28-96	60.92
									09-11-96	60.75
404736073353101	N1176.1	404736	733531	211MGTY	1940	195.0	193	198	12-06-95	70.72
									03-20-96	70.99
									05-15-96	70.86
									09-12-96	70.36
404037073335303	N1184.3	404036	733351	112GLCLU	1969	32.0	26	31	03-13-96	19.00
405246073343301	N1189.1	405246	733433	112PGFG	1941	67.0	--	--	12-07-95	57.91
									03-19-96	60.14
									03-19-96	61.37
									09-10-96	59.23

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404614073330504	N1195.5	404614	733305	211MGTY	1976	148.0	111	116	12-08-95	72.51
									01-22-96	72.12
									03-20-96	72.40
									06-28-96	73.47
									09-27-96	73.53
404202073315105	N1201.3	404202	733151	112GLCLU	1961	56.0	26	30	12-08-95	33.10
									01-22-96	33.42
									06-28-96	35.65
									09-27-96	35.30
404015073312702	N1204.2	404015	733127	112GLCLU	1975	21.0	37	40	03-14-96	12.04
404542073282803	N1232.3	404542	732828	211MGTY	1975	111.0	52	57	12-08-95	65.88
									01-22-96	65.85
									06-28-96	67.71
404447073282201	N1233.3	404447	732822	112GLCLU	1961	89.0	37	40	03-14-96	58.00
404301073275104	N1236.3	404301	732751	112GLCLU	1975	70.0	47	52	03-14-96	39.75
404102073283401	N1260.1	404102	732834	112GLCLU	1936	33.0	--	--	03-14-96	19.72
403948073272704	N1278.2	403948	732727	112GLCLU	1965	13.0	11	14	11-27-95	5.68
									01-22-96	6.20
									03-19-96	5.68
									07-02-96	5.46
									09-16-96	5.25
404024073272804	N1280.2	404024	732728		1965	20.0	--	--	03-14-96	9.55
403637073434502	N1422.2	403637	734345	112GLCLU	1964	16.0	--	--	12-11-95	6.87
									01-23-96	7.45
									03-12-96	7.54
									07-09-96	7.14
									09-27-96	7.24
404008073380501	N1438.2	404009	733804	112GLCLU	1981	35.0	--	--	03-12-96	15.57
404032073360603	N1442.3	404032	733606	112GLCLU	1967	29.0	21	24	11-28-95	17.85
									01-23-96	18.28
									03-13-96	19.34
									06-27-96	19.94
									09-24-96	19.90
404052073414201	N1613.1	404052	734142	211MGTY	1968	25.0	--	495	03-12-96	13.18
404210073340801	N1615.4	404210	733408	112GLCLU	1989	61.0	--	--	10-26-95	34.73
									01-11-96	35.14
									02-20-96	36.17
									03-11-96	36.39
									04-26-96	37.79
									05-16-96	38.09
									06-24-96	37.73
									07-03-96	37.37
									08-22-96	37.87
									09-26-96	37.71
404943073415201	N2635.1	404943	734152	112GRDR	1948	41.0	150	154	12-05-95	23.38
									03-19-96	23.77
									09-11-96	24.32
404359073283601	N3554.1	404359	732836	211MGTY	1968	90.0	265	269	12-08-95	49.67
									01-22-96	49.15
									03-14-96	49.96
									09-27-96	51.71

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
403842073420201	N3707.3	403842	734202	112GLCLU	1968	8.0	15	17	03-11-96	2.17
403823073422301	N3710.1	403823	734322	112GLCLU	1968	6.0	15	18	03-11-96	1.06
403859073430501	N3711.3	403859	734305	112GLCLU	1968	8.0	21	24	03-11-96	1.76
403621073441801	N3862.2	403621	734418	211MGTY	1968	8.0	295	306	03-12-96	3.25
403734073374801	N3865.2	403734	733748	211MGTY	1955	5.0	553	563	03-11-96	4.05
403621073441702	N4062.1	403621	734418	112JMCO	1968	8.0	137	142	03-12-96	3.14
403904073324101	N4149.2	403904	733241	211MGTY	1968	4.8	546	562	03-19-96	9.11
404753073440303	N4266.2	404752	734403	211LLYD	1954	57.0	377	393	12-04-95	5.83
									03-22-96	8.79
									05-16-96	1.36
									09-10-96	-1.86
404820073381401	N5883.1	404820	733814	211MGTY	1956	208.0	210	215	12-05-95	46.84
									03-19-96	46.80
									05-15-96	47.14
									09-11-96	46.98
403601073390703	N6366.3	403601	733907	112GLCLU	1966	7.0	--	--	03-11-96	1.68
403642073433201	N6510.1	403642	734332	211MGTY	1958	8.0	455	461	03-12-96	-2.56
405242073352201	N6670.1	405242	733522	112GLCLU	1968	81.0	--	--	12-06-95	72.17
									03-19-96	72.83
									05-16-96	73.68
									09-11-96	73.32
403517073430610	N6701.2	403517	734306	211RCNF	1959	11.0	822	832	12-08-95	8.21
									01-23-96	8.70
									03-12-96	8.36
									07-09-96	9.10
									09-27-96	8.81
403517073430703	N6703.1	403517	734306	211MGTY	1968	10.0	468	478	03-12-96	1.96
403517073430704	N6704.1	403517	734306	211MGTY	1968	10.0	284	294	03-11-96	5.15
403713073415903	N6706.1	403713	734159	211MGTY	1991	6.0	625	630	03-12-96	3.95
403713073415905	N6793.1	403712	734159	112GLCLU	1992	6.0	9	11	12-11-95	3.69
									01-23-96	4.05
									03-12-96	3.73
									07-09-96	4.81
									09-20-96	4.62
403533073353203	N6851.1	403533	733532	211MGTY	1968	7.0	551	556	03-18-96	6.03
403533073353204	N6852.1	403533	733532	211MGTY	1968	7.0	258	263	03-18-96	0.85
403533073353205	N6853.1	403533	733532	211MGTY	1968	7.0	127	132	11-27-95	4.91
									01-22-96	4.90
									03-18-96	4.56
									07-02-96	4.46
									09-16-96	4.55
403805073395302	N6928.2	403805	733953	211RCNF	1987	6.0	716	726	03-12-96	3.94
405433073344602	N7190.1	405433	733446	112PGQF	1961	14.0	237	240	11-27-95	8.34
									12-07-95	8.31
									01-22-96	8.40
									03-19-96	8.18
									05-15-96	6.68
									07-02-96	2.10
									09-10-96	0.44
									09-16-96	1.53

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
403838073405502	N7235.2	403838	734055	112GLCLU	1968	25.0	43	45	03-11-96	6.23
405018073395301	N7244.1	405018	733954	112PGQF	1981	13.9	292	302	12-05-95	12.98
									03-19-96	13.19
									05-15-96	12.92
									09-11-96	9.86
404544073265502	N7397.2	404544	732655	112GLCLU	1984	154.0	96	101	03-14-96	62.66
404855073360102	N7450.2	404855	733601	211MGTY	1975	176.0	--	134	12-07-95	67.90
									03-20-96	67.60
									05-17-96	67.94
									09-12-96	67.97
404751073321901	N7478.1	404751	733219	211MGTY	1968	217.0	160	165	12-07-95	76.17
									03-20-96	76.57
									05-17-96	76.34
									09-12-96	76.08
404652073394602	N7553.2	404652	733946	211MGTY	1964	153.0	396	406	03-19-96	27.98
403805073395303	N7675.1	403805	733953	112GLCLU	1974	6.0	28	34	03-12-96	1.47
403910073341701	N8203.1	403909	733416	112GLCLU	1973	7.0	13	16	03-18-96	3.10
403724073362701	N8635.1	403724	733728	112GLCLU	1970	7.0	26	29	03-12-96	2.57
404144073285201	N8669.1	404143	732850	112GLCLU	1970	42.0	30	35	03-14-96	27.83
403631073391002	N8715.1	403631	733910	112GLCLU	1971	7.0	16	18	03-11-96	3.39
403936073303501	N8717.1	403936	733035	112GLCLU	1974	9.0	11	15	11-27-95	3.73
									01-22-96	4.30
									03-18-96	3.88
									03-19-96	3.85
									07-02-96	3.71
									09-16-96	4.50
403925073261101	N8876.1	403923	732611	112GLCLU	1972	5.0	30	35	03-19-96	1.95
404730073423101	N8877.1	404730	734231	112GLCLU	1972	12.0	71	76	12-04-95	9.40
									01-23-96	9.76
									03-22-96	10.21
									05-16-96	10.72
									07-11-96	9.82
									09-10-96	9.85
405055073430701	N8891.1	405047	734314	112GLCLU	1972	60.0	67	72	12-05-95	7.15
									03-19-96	8.27
									05-15-96	9.18
									09-11-96	8.51
404723073443501	N8933.1	404723	734435	112PGQF	1973	32.0	143	148	12-04-95	10.68
									09-10-96	11.25
404606073434101	N8970.1	404606	734341	112GLCLU	1973	154.0	188	193	12-04-95	27.50
									03-22-96	28.04
									05-16-96	28.18
									09-10-96	27.89
403822073363302	N9054.1	403822	733633	112GLCLU	1974	14.0	35	40	11-27-95	4.80
									01-22-96	5.26
									03-12-96	5.68
									07-02-96	5.50
									09-16-96	4.85

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405204073363403	N9066.3	405204	733634	211MGTY	1983	143.0	220	270	12-07-95	36.94
									03-19-96	39.06
									05-17-96	36.12
									09-12-96	47.59
404324073342201	N9078.1	404324	733422	112GLCLU	1975	84.0	60	65	11-28-95	48.86
									01-23-96	48.63
									03-13-96	49.49
									06-27-96	50.76
									09-24-96	50.62
404740073285701	N9089.1	404719	732857	211MGTY	1975	173.0	173	178	12-08-95	73.40
									01-22-96	73.32
									03-18-96	73.72
									06-28-96	74.42
404828073444501	N9098.1	404828	734445	112GLCLU	1976	59.0	67	72	12-04-95	18.51
									03-22-96	19.14
									05-16-96	20.07
									09-10-96	19.41
405113073361301	N9115.1	405113	733613	211MGTY	1970	145.0	105	110	12-07-95	54.94
									03-20-96	53.72
									05-15-96	54.83
									09-12-96	54.54
405131073405802	N9116.1	405131	734058	112GLCLU	1976	15.0	26	31	12-05-95	7.50
									03-19-96	8.12
									05-15-96	8.39
									09-11-96	8.03
405144073432902	N9118.1	405144	734329	112GLCLU	1976	51.0	95	100	12-05-95	3.67
									03-19-96	4.23
									05-15-96	4.91
									09-11-96	3.96
405416073325701	N9127.1	405416	733257	112GLCLU	1976	10.0	36	41	12-07-95	2.70
									03-19-96	3.41
									05-15-96	2.48
									09-10-96	3.24
405158073300101	N9154.1	405158	733001	112PGFG	1976	34.0	61	66	11-27-95	21.93
									12-07-95	21.97
									01-22-96	21.60
									03-20-96	22.49
									05-15-96	21.50
									07-02-96	22.45
									09-10-96	22.07
									09-16-96	22.27
404633073345401	N9168.1	404633	733454	211MGTY	1976	165.0	212	217	12-05-95	82.19
									03-21-96	82.03
									05-15-96	82.56
									09-10-96	82.87
405148073320201	N9189.1	405148	733202	112GLCLU	1981	59.0	37	42	12-07-95	41.51
									03-19-96	41.62
									05-15-96	41.99
									09-10-96	41.24

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404703073370202	N9190.1	404703	733702	211MGTY	1977	156.0	128	133	12-05-95	63.36
									12-08-95	63.20
									01-26-96	63.19
									03-22-96	63.17
									05-15-96	63.53
									06-28-96	63.76
									09-10-96	63.74
404112073421003	N9309.1	404112	734210	112GLCLU	1977	42.7	54	59	03-12-96	17.48
404748073385705	N9313.1	404748	733857	112GLCLU	1977	58.0	--	59	12-05-95	44.60
									03-19-96	45.05
									05-15-96	45.33
									09-11-96	44.92
405350073345401	N9314.1	405350	733454	112GLCLU	1977	32.0	49	54	12-07-95	19.31
									03-19-96	21.16
									05-16-96	22.37
									09-10-96	20.17
405326073302102	N9316.1	405326	733021	112GLCLU	1977	25.0	53	58	11-27-95	3.71
									12-07-95	3.30
									01-22-96	3.89
									03-20-96	4.10
									05-15-96	4.88
									07-02-96	4.10
									09-10-96	3.80
									09-16-96	4.10
404928073313401	N9317.1	404928	733134	211MGTY	1977	218.0	189	194	12-06-95	64.94
									12-08-95	64.60
									01-22-96	64.43
									03-18-96	64.50
									05-16-96	64.46
									06-28-96	64.20
									09-11-96	64.25
404934073334801	N9353.1	404934	733348	211MGTY	1978	143.0	96	101	12-07-95	71.39
									12-08-95	71.25
									01-26-96	71.00
									03-20-96	70.87
									05-17-96	71.35
									06-28-96	71.37
									09-12-96	71.30
404125073325006	N9473.1	404125	733250	112GLCLU	1990	42.0	37	42	03-13-96	28.50
403526073441301	N9474.1	403526	734413	112GLCLU	1990	9.0	28	33	03-12-96	2.62
404208073433401	N9476.1	404208	734334	112GLCLU	1978	59.0	73	78	03-12-96	20.72
405428073350302	N9478.1	405428	733503	112GLCLU	1978	9.0	19	24	11-27-95	5.65
									12-07-95	5.24
									01-22-96	6.32
									03-19-96	6.20
									05-15-96	4.94
									07-02-96	5.41
									09-10-96	3.66
									09-16-96	4.71
404944073393603	N9608.2	404944	733936	112GLCLU	1983	17.0	132	151	12-05-95	12.75
									03-19-96	13.94
									05-15-96	14.55

SECONDARY WELLS

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404154073374003	N9648.1	404154	733740	112GLCLU	1979	53.0	46	51	03-12-96	30.36
404219073293402	N9658.1	404219	732934	112GLCLU	1977	56.0	47	52	03-14-96	35.59
404347073260702	N9662.1	404347	732607	112GLCLU	1981	68.8	52	57	12-08-95	46.61
									01-22-96	46.62
									03-14-96	47.94
									06-28-96	49.45
									09-27-96	48.81
404136073303801	N9664.1	404136	733038		1987	36.0	26	31	03-14-96	25.02
404202073354306	N9666.1	404202	733543	112GLCLU	1979	55.0	42	47	03-13-96	34.98
404320073305602	N9667.1	404320	733056	112GLCLU	1985	76.0	50	55	03-14-96	46.71
405142073375603	N9670.1	405142	733756	112GLCLU	1979	33.0	37	42	12-06-95	23.53
									03-19-96	23.78
									05-17-96	23.86
									09-12-96	23.53
404707073385003	N9711.1	404707	733850	112GLCLU	1979	145.0	--	146	11-28-95	53.72
									12-05-95	53.70
									01-23-96	53.66
									03-19-96	54.02
									05-15-96	54.66
									06-27-96	54.33
									09-11-96	54.08
									09-24-96	54.34
404846073440901	N9776.1	404846	734410	211LLYD	1982	30.5	268	279	12-04-95	5.43
									03-22-96	6.60
									05-16-96	-7.43
									07-19-96	-9.50
									09-10-96	-9.56
404817073443901	N9820.1	404816	734450	211LLYD	1982	68.9	308	313	12-04-95	11.02
									03-22-96	11.45
									05-16-96	12.26
									09-10-96	10.55
404901073443005	N9909.1	404901	734430	112GLCLU	1990	17.9	18	40	12-04-95	9.31
									03-22-96	9.75
									05-16-96	9.98
									09-10-96	9.38
404435073305701	N9918.1	404435	733057	211MGTY	1982	112.0	70	75	12-08-95	59.78
									01-22-96	59.74
									06-28-96	62.11
									09-27-96	62.01
404253073395601	N9945.1	404253	733956	112GLCLU	1982	76.0	59	64	11-28-95	36.07
									01-23-96	35.93
									03-12-96	36.39
									06-27-96	37.17
									09-24-96	37.64
404404073363101	N9967.1	404404	733631	112GLCLU	1982	82.0	48	54	03-13-96	54.01
404421073262301	N9980.1	404421	732623	112GLCLU	1986	81.0	50	55	03-14-96	51.58
404404073420201	N9983.1	404404	734202	211MGTY	1982	108.0	91	96	11-28-95	39.50
									01-23-96	40.30
									03-12-96	39.42
									06-27-96	40.60
									09-24-96	40.99

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
403959073434301	N10001.1	403959	734343	112GLCLU	1990	16.0	--	--	03-12-96	8.37
403810073381201	N10006.1	403810	733812	112GLCLU	1990	11.0	21	26	03-11-96	5.01
403926073333001	N10007.1	403926	733330		1981	12.0	--	--	03-13-96	7.70
403847073401101	N10010.1	403847	734011	112GLCLU	1990	23.0	35	40	03-12-96	8.08
403950073361403	N10011.1	403950	733614	112GLCLU	1981	18.5	21	26	03-13-96	12.51
404855073444801	N10100.1	404855	734448	112PLSC	1985	28.9	300	310	12-04-95	9.44
									03-22-96	9.80
									05-16-96	10.26
									09-10-96	8.43
403518073344401	N10134.1	403518	733444	112GLCLU	1990	11.0	--	--	03-18-96	3.16
404821073430501	N10192.1	404821	734305	211LLYD	1985	24.0	343	348	12-04-95	-0.48
									03-22-96	2.03
									05-16-96	0.35
									09-10-96	-13.33
405320073370101	N10199.1	405320	733630	112GLCLU	1990	70.0	46	56	11-27-95	57.70
									12-06-95	57.75
									01-22-96	58.48
									03-19-96	60.49
									05-16-96	60.01
									07-02-96	59.39
									09-11-96	57.89
									09-16-96	57.85
405001073372301	N10245.1	405001	733723		1990	96.0	--	--	12-06-95	42.41
									03-19-96	43.59
									05-17-96	43.77
									09-12-96	43.54
404900073373301	N10246.1	404900	733733		1990	159.0	--	--	12-06-95	54.41
									03-19-96	54.47
									05-17-96	54.85
									09-12-96	54.83
404539073400407	N10291.1	404539	734004	211MGTY	1991	124.8	--	--	12-05-95	44.24
									03-22-96	44.53
									05-15-96	44.78
									09-10-96	44.13
403738073375001	N10425.1	403738	733750	211MGTY	1987	6.0	702	707	03-11-96	5.11
404813073310301	N10605.1	404813	733103		1990	188.0	--	--	12-06-95	76.36
									12-08-95	76.29
									01-22-96	76.01
									03-18-96	76.36
									05-16-96	77.01
									06-28-96	77.01
									09-10-96	77.31
405057073325102	N10606.1	405057	733251	112GLCLU	1990	130.0	--	--	12-07-95	61.76
									12-08-95	61.78
									03-18-96	61.76
									05-17-96	62.47
									06-28-96	62.35
									09-12-96	62.21

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404823073265901	N10607.1	404823	732659	211MGTY	1990	260.5	--	--	12-06-95	70.95
									12-08-95	70.93
									03-18-96	70.55
									05-16-96	70.61
									06-28-96	70.58
									09-11-96	70.89
404842073291401	N10609.1	404842	732914		1990	239.0	--	--	12-06-95	69.86
									03-18-96	69.69
									05-16-96	69.97
									09-11-96	69.79
403511073450901	N10620.1	403511	734509	211LLYD	1987	4.0	1,140	1,150	03-12-96	6.54
403505073401301	N11002.1	403505	734013	211LLYD	1987	11.0	1,240	1,250	11-27-95	3.50
									01-22-96	5.34
									03-11-96	3.96
									07-02-96	3.13
									09-16-96	1.69
403503073402401	N11109.1	403505	734013	211MGTY	1987	11.0	785	790	11-27-95	-2.78
									01-22-96	-2.90
									03-11-96	-3.98
									07-02-96	-3.38
									09-16-96	-3.36
404031073382701	N11166.1	404031	733827	211MGTY	1993	36.0	620	640	03-12-96	14.92
404202073401801	N11168.1	404202	734018	211MGTY	1992	49.5	500	520	03-12-96	26.18
404355073401801	N11172.1	404355	734018	211MGTY	1993	77.5	435	455	03-20-96	42.00
405122073360601	N11279.1	405122	733606	211LLYD	1991	131.0	475	495	12-07-95	23.63
									12-08-95	23.52
									01-26-96	23.56
									03-20-96	20.75
									05-17-96	22.37
									06-28-96	12.11
									09-11-96	13.81
405035073324801	N11280.1	405035	733248	211LLYD	1990	187.0	625	645	12-07-95	55.67
									03-20-96	53.61
									05-17-96	55.60
									09-12-96	54.87
405035073324601	N11281.1	405035	733246	112PGQF	1990	187.0	498	518	12-07-95	55.77
									03-18-96	55.56
									05-17-96	55.67
									09-12-96	55.21
405005073353401	N11304.1	405005	733534	211MGTY	1992	143.0	323	343	12-07-95	64.70
									03-20-96	64.40
									05-15-96	64.86
									09-11-96	65.74
405009073293501	N11394.1	405009	732935	211RCNF	1907	212.0	660	680	12-06-95	54.97
									03-20-96	54.85
									05-17-96	54.97
									09-12-96	54.52
404327073341701	N11396.1	404327	733417	211MGTY	1990	83.0	560	580	11-28-95	47.20
									01-23-96	47.18
									03-13-96	48.14
									06-27-96	48.45
									09-24-96	49.30

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404328073341601	N11397.1	404328	733416	211MGTY	1990	83.0	260	280	11-28-95	48.36
									01-23-96	48.26
									03-13-96	49.17
									06-27-96	49.93
									09-24-96	50.24
404818073293001	N11453.1	404818	732930	112PGQF	1991	207.5	840	860	12-06-95	38.81
									12-08-95	38.78
									01-22-96	39.14
									03-20-96	40.85
									05-16-96	38.55
									06-28-96	38.92
									09-10-96	39.00
404818073293101	N11454.1	404818	732931	211MGTY	1991	207.5	570	590	12-06-95	71.89
									12-08-95	71.72
									01-22-96	71.39
									03-18-96	71.72
									05-16-96	72.24
									06-28-96	71.89
									09-10-96	72.03
404636073270902	N11455.1	404636	732709	211LLYD	1990	194.5	961	981	05-15-96	30.26
404636073271001	N11456.1	404636	732710	211MGTY	1990	194.5	815	835	05-15-96	67.52
404622073330701	N11457.1	404622	733307	211LLYD	1991	153.0	840	860	12-08-95	23.58
									01-22-96	24.39
									03-21-96	24.85
									06-28-96	22.54
									09-27-96	22.32
404625073330701	N11458.1	404625	733307	211MGTY	1994	153.5	600	620	12-08-95	73.59
									01-23-96	73.32
									03-21-96	73.51
									06-28-96	74.33
									09-27-96	74.43
404326073341801	N11570.1	404326	733418	211LLYD	1990	83.5	850	870	11-28-95	14.53
									01-23-96	15.40
									03-13-96	15.71
									06-27-96	14.50
									09-24-96	13.82
403732073443402	N11573.1	403731	734441	211LLYD	1991	8.0	775	795	03-11-96	6.51
404012073314101	N11576.1	404012	733141	211LLYD	1992	15.0	930	950	03-14-96	13.89
404012073314102	N11579.1	404012	733141	211MGTY	1992	15.5	670	690	03-14-96	14.05
403732073443403	N11634.1	403733	734443	211MGTY	1991	8.5	535	555	03-11-96	-3.24
404511073402501	N11659.1	404511	734025	211MGTY	1992	104.0	399	419	11-28-95	42.92
									12-05-95	42.68
									01-23-96	44.59
									03-22-96	43.25
									05-15-96	44.55
									09-10-96	43.31
									09-24-96	45.51
405004073353401	N11798.1	405004	733534	211LLYD	1992	143.0	620	640	12-07-95	28.82
									03-20-96	27.45
									05-15-96	28.48
									09-11-96	23.91

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405030073282101	N12075.1	405030	732821	211LLYD	1993	198.0	830	850	12-06-95	34.04
									03-18-96	34.26
									05-16-96	33.87
									09-11-96	33.81
405146073420701	N12151.1	405146	734207	112PGQF	1993	73.0	333	348	12-05-95	5.45
									03-19-96	6.12
									05-15-96	6.09
									09-11-96	-2.65
404633073401801	N12163.1	404633	734018	211MGTY	1993	168.0	210	230	12-05-95	37.28
									03-19-96	38.57
									05-15-96	38.88
									09-11-96	38.48
404303073295501	N12250.1	404303	732955	112GLCLU	1994	71.0	--	--	10-26-95	40.03
									11-21-95	40.47
									01-11-96	40.43
									02-20-96	41.60
									03-11-96	41.73
									04-26-96	43.10
									05-16-96	43.42
									06-24-96	43.24
									07-30-96	42.81
									08-22-96	42.99
									09-26-96	42.82
405226073322901	N12256.1	405226	733229	112GLCLU	1995	23.0	--	--	12-06-95	23.37
									03-19-96	22.97
									05-15-96	23.52
									09-10-96	23.44

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404550073500802	Q34.2	404553	735008	211LLYD	1946	36.0	--	--	03-20-96	8.43
404257073493701	Q273.1	404257	734937	211LLYD	1952	26.0	308	438	03-13-96	13.16
									07-05-96	13.67
403454073495602	Q1071.2	403453	0734956	211LLYD	1976	9.0	771	836	09-19-96	6.89
404113073501102	Q1254.1	404113	735011	112GLCLU	1940	56.0	63	65	03-11-96	11.21
404116073505901	Q1255.1	404116	735059	112GLCLU	1911	40.0	--	--	03-11-96	33.27
404547073524401	Q1326.1	404547	735244	112GLCLU	1950	27.0	--	--	03-12-96	16.89
									07-12-96	17.08
404504073501801	Q2418.1	404504	735018	112GLCLU	1967	6.4	48	60	07-05-96	2.03
404503073501901	Q2419.1	404503	735019	211LLYD	1972	7.0	221	271	07-05-96	10.52
404511073485201	Q2814.1	404511	734852	112GLCLU	1982	45.0	70	79	03-12-96	13.86
									07-05-96	13.65
403940073443601	Q2994.1	403940	734436	112GLCLU	1968	10.0	10	66	03-22-96	5.23
403940073443501	Q2995.1	403940	734435	112GLCLU	1968	10.0	10	83	03-22-96	5.36
403845073475701	Q3110.1	403845	734757	112JMCO	1981	10.0	306	326	03-22-96	5.61
									07-02-96	3.99
									09-19-96	4.96
403939073472801	Q3112.1	403939	734728	112JMCO	1981	11.3	290	300	03-22-96	5.70
									07-02-96	4.80
									09-19-96	5.68
403845073475702	Q3115.1	403845	734757	112GLCLU	1981	10.0	25	28	03-22-96	4.07
									07-02-96	4.00
									09-19-96	4.31
403939073472802	Q3117.1	403939	734728	112GLCLU	1981	11.0	11	23	03-22-96	5.28
									07-02-96	5.19
									09-19-96	5.22
404654073465901	Q3119.1	404654	734659	112GLCLU	1980	38.0	37	40	03-12-96	19.54
									07-05-96	19.56
404226073303201	Q3163.1	404226	734533	112GLCLU	1984	50.0	61	66	03-11-96	17.39
									07-05-96	19.15
404138073535102	Q3587.1	404138	735351	112GLCLU	1995	88.1	160	170	03-11-96	12.74
									07-03-96	12.89
									09-27-96	13.01
404026073472102	Q3589.1	404026	734721	211MGTY	1995	23.0	--	--	03-11-96	2.90
									07-03-96	5.66
									09-27-96	6.14
404733073482901	Q3593.1	404733	734829	211LLYD	1995	20.8	165	185	03-12-96	1.44
									07-05-96	5.11
404437073535401	Q3648.1	404437	735354	112GLCLU	1993	78.1	80	85	11-30-95	44.06
									01-30-96	44.10
									03-12-96	44.42
									07-03-96	45.51
									09-27-96	45.59

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404138073535101	Q3649.1	404138	735351	112GLCLU	1993	88.4	100	105	11-30-95	11.87
									01-30-96	12.19
									03-11-96	12.29
									07-03-96	12.43
									09-27-96	12.53
404402073520901	Q3650.1	404402	735209	112GLCLU	1993	19.7	40	50	11-30-95	9.72
									01-30-96	9.81
									03-12-96	9.79
									07-03-96	9.80
									09-27-96	9.76
404251073512601	Q3651.1	404251	735126	112GLCLU	1993	51.3	--	--	11-30-95	16.13
									01-30-96	16.31
									03-11-96	16.44
									07-03-96	17.34
									09-27-96	17.25
404350073494501	Q3652.1	404350	734945	112GLCLU	1993	73.0	80	85	11-30-95	10.69
									01-30-96	10.85
									03-12-96	11.09
									07-03-96	14.51
404027073464501	Q3658.1	404027	734645	112GLCLU	1993	18.4	30	35	11-30-95	5.47
									01-30-96	6.02
									03-11-96	5.90
									07-03-96	5.55
									09-27-96	5.33
404313073475201	Q3659.1	404313	734752	112GLCLU	1993	91.4	115	120	11-30-95	16.30
									01-30-96	16.66
									03-12-96	17.00
									07-03-96	17.89
404450073470301	Q3660.1	404450	734703	112GLCLU	1993	66.0	80	85	11-30-95	18.30
									01-30-96	18.39
									03-12-96	18.63
									07-03-96	22.03
404357073462001	Q3661.1	404357	734620	112GLCLU	1993	81.0	85	90	11-30-95	16.93
									01-30-96	17.13
									03-12-96	17.31
									07-03-96	20.93

SECONDARY WELLS

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404319073184701	S1807.6	404319	731847	112GLCLU	1992	25.5	--	--	10-26-95	20.41
									01-11-96	20.65
									02-20-96	21.20
									03-11-96	21.38
									03-13-96	21.40
									04-26-96	21.74
									05-16-96	21.57
									06-24-96	21.48
									07-30-96	21.04
									08-22-96	21.06
									09-26-96	21.24
404221073164905	S1808.5	404221	731649	112GLCLU	1989	13.5	--	--	10-26-95	9.40
									11-21-95	10.05
									01-11-96	9.70
									02-20-96	10.13
									03-11-96	10.39
									03-13-96	10.37
									04-26-96	10.48
									05-16-96	10.36
									06-24-96	10.14
									07-30-96	9.79
									08-22-96	9.80
									09-26-96	10.50
404659073141801	S1815.3	404659	731418	112GLCLU	1984	72.5	50	54	03-18-96	44.33
405109072513001	S2485.1	405109	725130	112GLCLU	1948	69.0	65	75	03-14-96	33.39
									06-07-96	35.27
									08-28-96	34.91
404509073152301	S3516.1	404509	731523	112GLCLU	1942	60.0	--	--	03-18-96	36.23
404918072560301	S3530.1	404918	725603	112GLCLU	1907	65.6	--	--	03-14-96	31.10
									06-07-96	32.64
									08-29-96	32.52
405121072415601	S3539.1	405121	724156	112GLCLU	1942	79.0	--	--	03-18-96	22.28
405010072580901	S3871.1	405010	725809	112GLCLU	1958	128.2	--	--	08-29-96	46.76
405220072493101	S6441.2	405220	724931		1991	49.5	--	--	11-30-95	34.33
									01-25-96	35.46
									03-12-96	36.07
									06-07-96	36.48
									06-25-96	36.33
									08-28-96	35.76
									09-16-96	35.37
405347072494001	S6443.1	405347	724940	112GLCLU	1949	55.0	--	--	03-12-96	40.39
									06-07-96	40.86
									08-28-96	41.04
405507072244402	S8831.2	405511	722445	112GLCLU	1976	20.0	--	--	03-19-96	7.41
405307072323503	S8835.2	405307	723235	112GLCLU	1981	30.5	--	--	03-18-96	9.14
404915072531801	S9129.1	404914	725317	112GLCLU	1982	34.0	--	--	03-12-96	13.82
									06-06-96	14.31
									08-26-96	14.28
404831072530501	S9130.1	404829	725305	112GLCLU	1952	26.0	25	28	03-12-96	10.18
									06-06-96	10.62
									08-26-96	10.37

SECONDARY WELLS

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404446073191801	S9646.1	404446	731918	112GLCLU	1958	51.0	--	--	03-13-96	39.91
404049073241201	S10075.1	404049	732412	112GLCLU	1958	25.0	33	43	03-13-96	13.72
404128073220201	S10142.1	404128	732202		1958	16.8	--	--	03-13-96	12.58
404225073234201	S10314.1	404225	732342	112GLCLU	1958	48.0	--	--	03-13-96	30.29
404115073225901	S10342.1	404115	732259	112GLCLU	1958	25.0	--	--	03-13-96	17.00
404347073195501	S10370.1	404347	731955		1958	38.0	--	--	03-13-96	26.50
410059072292701	S10390.1	410059	722927	112GLCLU	1988	25.9	--	--	03-21-96	19.34
404433073212701	S11204.1	404433	732127		1958	53.0	--	--	03-12-96	41.77
404540073211001	S11240.1	404540	732110	112GLCLU	1958	61.0	--	--	03-12-96	52.29
404527073220901	S12035.1	404527	732209	112GLCLU	1958	70.0	--	--	03-12-96	52.00
404423073222601	S12069.1	404423	732226		1958	65.0	--	--	03-12-96	42.67
404527073191501	S14119.1	404527	731915	112GLCLU	1958	70.0	--	--	03-13-96	52.15
404425073200701	S14471.1	404425	732007	112GLCLU	1958	44.0	--	--	03-13-96	37.14
410034072094701	S15048.1	410035	720948	112GLCLU	1974	20.0	31	46	03-19-96	6.59
410008072015901	S16118.1	410008	720159	112GLCLU	1974	4.8	31	46	03-19-96	2.70
404200073252701	S16480.1	404200	732527	112GLCLU	1958	39.0	35	45	03-13-96	28.90
405336073073001	S16612.1	405336	730730		1968	146.0	--	--	03-21-96	40.98
405843072352902	S16756.2	405843	723529	112GLCLU	1975	61.0	59	62	03-21-96	7.80
410356072260301	S16780.1	410356	722603	112GLCLU	1958	43.0	47	50	03-21-96	3.18
405446073180701	S16884.1	405446	731807	112GLCLU	1958	34.0	40	43	03-19-96	18.00
404528073114802	S17987.2	404528	731148	112GLCLU	1981	36.0	13	16	11-28-95	23.24
									06-25-96	25.12
									09-25-96	24.55
404902073094003	S22579.1	404902	730940	112GLCLU	1964	60.0	200	210	11-28-95	37.73
									01-18-96	38.10
									03-22-96	39.30
									09-25-96	40.64
404828073114002	S22580.1	404828	731140	211MGTY	1964	123.0	792	802	03-18-96	37.37
404828073114003	S22581.1	404828	731140	211MGTY	1964	123.2	440	450	03-18-96	38.43
404828073114004	S22582.1	404828	731140	112GLCLU	1964	123.7	105	115	03-18-96	39.03
404902073094004	S23133.1	404902	730940	112GLCLU	1964	60.3	26	29	11-28-95	37.86
									01-18-96	38.19
									03-22-96	39.40
									09-25-96	40.73
404818073135904	S24773.1	404813	731356	211MGTY	1966	118.4	412	422	03-18-96	42.77
405716072505701	S26780.1	405716	725057	112GLCLU	1970	21.7	--	--	03-12-96	18.38
									06-06-96	18.67
									08-27-96	18.75
404703073264201	S29776.1	404710	732640	211MGTY	1967	193.0	710	720	03-18-96	71.04
404703073264202	S29777.1	404710	732640	211MGTY	1967	193.0	387	397	03-18-96	70.21
404703073264205	S29778.1	404710	732640	211MGTY	1967	193.0	158	168	03-18-96	70.80
405124072353701	S30230.1	405124	723537	211MGTY	1970	45.0	805	825	03-18-96	11.65
405000072464301	S31462.1	405000	724643	112GLCLU	1983	67.9	67	73	03-26-96	22.36
404908072473003	S33919. 1	404908	724730	112GLCLU	1970	64.0	--	--	03-26-96	18.54

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405505072432201	S36013.1	405505	724322	112GLCLU	1970	47.0	--	--	03-19-96	21.31
									08-29-96	21.13
404656073081401	S36143.1	404656	730814	112GLCLU	1969	72.0	59	62	03-18-96	31.08
404707073023401	S36145.1	404707	730234	112GLCLU	1969	44.6	30	43	03-14-96	29.88
405259072465601	S36147.1	405259	724656	112GLCLU	1970	47.8	--	--	03-13-96	35.04
									06-07-96	35.42
									08-26-96	34.49
405117072490301	S36150.1	405117	724903	112GLCLU	1951	50.0	--	--	03-13-96	31.49
									06-06-96	32.98
									08-26-96	32.75
405010072443501	S36152.2	405014	724438		1975	65.0	62	66	03-13-96	19.31
									06-06-96	20.11
									08-26-96	20.11
405715072413201	S36153.1	405715	724132	112GLCLU	1969	75.2	--	--	03-21-96	13.13
410400072195301	S38461.1	410400	721953	112GLCLU	1970	12.0	--	--	12-14-95	3.62
									03-21-96	5.68
									03-27-96	5.65
									06-05-96	6.66
									09-11-96	5.05
405924072321501	S39269.1	405924	723215	112GLCLU	1983	13.6	--	--	03-21-96	3.90
405206073153002	S40842.2	405206	731530		1975	91.6	60	63	03-19-96	45.91
405510073063401	S40849.1	405510	730634	112GLCLU	1971	80.5	--	--	03-21-96	37.84
405555073060101	S40850.1	405555	730601		1971	60.7	--	--	03-21-96	24.49
405744072571902	S40851.2	405744	725719	112GLCLU	1976	32.0	47	50	06-07-96	15.43
									08-26-96	15.41
405646072564301	S40852.1	405656	725643	112GLCLU	1971	114.6	95	97	03-11-96	28.46
									06-06-96	29.36
									08-26-96	29.88
405610072562501	S40853.2	405610	725625	112GLCLU	1985	100.2	74	78	03-12-96	34.93
									08-28-96	37.18
405223073021301	S41050.1	405222	730213	112GLCLU	1972	89.4	67	69	03-21-96	64.82
405357073194802	S42681.2	405354	731948	112GLCLU	1983	83.5	75	80	03-19-96	28.70
405016073200101	S42682.1	405016	732001	112GLCLU	1972	159.2	--	--	03-18-96	68.28
405335073073201	S42683.1	405335	730732	112GLCLU	1972	145.7	--	--	03-21-96	55.62
404124073241601	S43809.1	404124	732416	112GLCLU	1974	34.0	24	34	03-13-96	20.02
404124073241602	S43810.1	404124	732416	112GLCLU	1974	33.8	61	71	03-13-96	20.14
404503073010801	S44466.1	404503	730108	112GLCLU	1974	4.3	15	20	03-12-96	1.55
405132073181401	S45207.1	405132	731814	112GLCLU	1974	165.0	134	144	03-19-96	59.65
405005073233701	S45208.1	405005	732337	112GLCLU	1974	185.3	123	133	03-18-96	72.48
404945073174501	S45210.1	404945	731745	112GLCLU	1974	130.2	97	107	03-19-96	59.41
404508073080902	S45636.1	404508	730809	112GLCLU	1974	14.1	17	27	03-18-96	9.06
404508073080901	S45637.1	404508	730809	112GLCLU	1974	13.0	71	81	03-18-96	9.04
405231073250500	S46281.1	405231	732505	112GLCLU	1974	34.0	38	50	03-19-96	19.90
404823073211800	S46283.1	404823	732118	112GLCLU	1974	275.0	225	235	03-20-96	66.77
405913072064600	S46518.1	405914	720645	112GLCLU	1972	27.5	--	--	03-19-96	5.73

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
410123072130304	S46521.2	410123	721303	112GLCLU	1981	65.0	82	85	03-21-96	5.48
405915072121501	S46522.1	405915	721215	112GLCLU	1972	91.2	--	--	03-21-96	8.86
405828072115101	S46523.1	405828	721150	112GLCLU	1972	64.5	94	97	03-21-96	9.78
405906072153501	S46524.1	405907	721534	112GLCLU	1972	15.7	--	--	03-21-96	9.71
405741072144800	S46525.1	405741	721448	112GLCLU	1972	41.5	--	--	03-19-96	11.25
405746072175901	S46527.1	405747	721800	112GLCLU	1972	75.0	--	--	03-19-96	20.42
405842072211401	S46528.1	405843	722115	112GLCLU	1972	125.5	99	102	03-19-96	36.08
405602072221802	S46529.2	405602	722248	112GLCLU	1983	70.0	77	81	03-19-96	14.11
405418072233800	S46530.1	405418	722338	112GLCLU	1972	36.8	38	42	03-19-96	9.15
405332072262201	S46531.1	405332	722622	112GLCLU	1972	36.4	--	--	03-19-96	5.07
405147072305001	S46532.1	405147	723050	112GLCLU	1972	24.0	--	--	03-18-96	4.38
405302072313501	S46533.1	405302	723135	112GLCLU	1972	84.7	--	--	03-18-96	6.43
405230072341901	S46534.1	405230	723419	112GLCLU	1973	82.0	81	84	03-18-96	11.28
405144072333701	S46535.1	405144	723337	112GLCLU	1972	44.5	--	49	03-18-96	8.03
405324072352101	S46536.1	405324	723521	112GLCLU	1976	24.7	--	--	03-18-96	11.96
405130072353101	S46537.1	405130	723531	112GLCLU	1972	56.2	--	--	03-18-96	11.75
405348072370401	S46538.1	405340	723709	112GLCLU	1972	61.3	--	--	03-18-96	27.76
405222072370701	S46539.1	405222	723707	112GLCLU	1972	100.0	--	--	03-18-96	14.93
405020072355801	S46540.1	405020	723558	112GLCLU	1972	37.8	--	--	03-18-96	9.46
405353072403801	S46541.1	405342	724057	112GLCLU	1972	27.3	--	--	03-19-96	17.36
405301072415101	S46542.1	405301	724151	112GLCLU	1972	163.0	--	--	03-18-96	22.90
									08-29-96	24.85
405131072455701	S46546.1	405131	724557	112GLCLU	1972	127.0	--	--	03-13-96	26.35
									06-06-96	27.47
									08-26-96	28.42
405620073022001	S46549.1	405624	730221	112GLCLU	1972	97.0	97	101	03-21-96	22.50
405230073164400	S46965.1	405230	731644	112GLCLU	1974	166.0	138	148	03-19-96	41.76
404759073251600	S47220.1	404759	732516	112GLCLU	1974	172.3	79	89	03-18-96	106.53
405417072402300	S47230.1	405417	724023	112GLCLU	1974	22.0	20	32	03-19-96	13.03
405536072375303	S47231.2	405536	723753	112GLCLU	1995	21.0	39	41	03-21-96	2.57
405004072515400	S47750.1	405004	725154	112GLCLU	1974	95.0	83	93	03-13-96	26.02
									06-06-96	28.11
									08-26-96	28.66
404607072594701	S47752.1	404607	725947	112GLCLU	1974	24.0	88	98	03-12-96	8.03
405412072441401	S47753.1	405405	724427	112GLCLU	1974	45.0	90	100	03-13-96	24.92
									08-26-96	24.69
405412072441402	S47754.1	405405	724427	112GLCLU	1974	45.0	29	39	03-13-96	24.93
									08-26-96	24.69
405844072191601	S48438.1	405844	721916	112GLCLU	1974	113.6	69	79	03-19-96	66.41
404941072414801	S48442.1	404941	724148	112GLCLU	1974	44.0	42	52	03-18-96	13.26
405838072154001	S48517.1	405838	721540	112GLCLU	1974	61.5	57	67	03-21-96	11.52
404423073084101	S49396.1	404423	730841	112GLCLU	1973	6.3	8	13	03-18-96	2.25
405120073085101	S50500.1	405120	730851	112GLCLU	1974	118.0	81	85	03-22-96	67.91

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405059073085601	S50501.1	405059	730757	112GLCLU	1974	73.6	60	64	03-22-96	70.04
405010073103101	S50505.1	405010	731031	112GLCLU	1973	50.0	6	10	03-22-96	46.45
405100073152601	S50513.1	405100	731526	112GLCLU	1974	93.0	57	61	03-19-96	44.16
410430072202301	S51176.1	410430	722023	112GLCLU	1974	39.6	47	57	03-21-96	4.23
410147072184101	S51184.1	410147	721841	112GLCLU	1974	11.8	20	30	03-21-96	2.33
410047072184701	S51186.1	410047	721847	112GLCLU	1974	24.1	30	40	03-21-96	2.61
405808072385401	S51568.1	405808	723854	112GLCLU	1974	56.0	58	68	03-21-96	9.10
405805072403701	S51571.1	405805	724037	112GLCLU	1974	88.0	95	105	03-21-96	8.02
405512072395201	S51573.1	405512	723952	112GLCLU	1974	25.0	78	88	03-18-96	7.80
405544072411802	S51575.2	405544	724118	112GLCLU	1994	33.0	--	--	03-21-96	16.93
405630072442001	S51577.1	405630	724420	112GLCLU	1974	80.0	83	93	03-19-96	17.71
									08-29-96	18.67
405542072463001	S51579.1	405542	724630	112GLCLU	1974	78.0	75	85	11-30-95	25.66
									01-25-96	25.69
									03-12-96	26.67
									06-06-96	28.09
									06-25-96	28.36
									08-27-96	28.17
									09-16-96	28.03
405722072342001	S51581.1	405722	723420	112GLCLU	1974	32.0	32	42	03-21-96	8.39
405853072353901	S51582.1	405853	723539	112GLCLU	1974	62.0	72	82	03-21-96	7.34
405634072380501	S51588.1	405634	723805	112GLCLU	1974	38.0	47	57	03-21-96	9.44
410516072200901	S52084.1	410516	722009	112GLCLU	1974	28.4	62	72	12-13-95	2.09
									03-21-96	3.35
404357072515701	S52162.1	404357	725157	211LLYD	1976	18.0	1,670	1,690	12-07-95	22.16
									03-21-96	22.55
404357072515702	S52163.1	404357	725157	211MGTY	1974	17.0	1,279	1,300	12-07-95	15.02
									03-21-96	16.24
404357072515703	S52164.1	404357	725157	211MGTY	1974	17.0	709	730	12-07-95	13.99
									03-21-96	15.16
405512072395202	S52449.1	405512	723952	112GLCLU	1974	23.0	28	38	03-18-96	7.60
404944072380901	S52551.1	404944	723809	112GLCLU	1974	27.8	20	25	03-18-96	9.82
404948072372601	S52554.1	404948	723726	112GLCLU	1974	18.4	--	--	03-18-96	6.61
410753072205501	S53331.1	410747	722053	112GLCLU	1975	47.0	58	68	03-21-96	3.47
405924072342301	S53333.1	405924	723423	112GLCLU	1975	51.0	62	72	03-21-96	6.39
405123072533701	S54883.1	405049	725310	112GLCLU	1975	79.9	--	--	03-12-96	31.53
									06-07-96	33.43
									08-28-96	33.78
405706072345601	S54885.1	405706	723456	112GLCLU	1975	11.1	16	20	03-21-96	8.96
405120073231801	S55049.1	405120	732318	112GLCLU	1975	207.0	175	179	03-19-96	53.83
405502072254701	S57367.1	405502	722616	112GLCLU	1975	32.5	75	79	03-19-96	5.17
405900072192901	S57369.1	405855	721926	112GLCLU	1975	76.0	93	97	03-19-96	12.69
405852072192401	S57370.1	405854	721927	112GLCLU	1976	88.0	96	100	03-19-96	16.44
404722073093401	S57458.1	404722	730934		1976	47.4	--	--	03-18-96	31.21

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404722073093402	S57459.1	404722	730934		1976	47.2	--	--	03-18-96	31.18
404651073095701	S57470.1	404651	730957		1976	28.0	--	--	03-25-96	24.27
404651073095702	S57471.1	404651	730957		1976	28.0	--	--	03-25-96	24.27
404616073093401	S57480.1	404616	730934		1976	18.7	--	--	03-18-96	16.75
404616073093402	S57481.1	404616	730934		1976	18.6	--	--	03-18-96	16.75
405123073125101	S57484.1	405123	731251	112GLCLU	1975	15.5	15	19	03-19-96	11.18
405458073005301	S57486.1	405458	730053	112GLCLU	1975	130.5	--	--	03-21-96	48.75
405246072573601	S57487.1	405246	725736	112GLCLU	1975	83.5	--	--	03-12-96	65.65
									08-27-96	66.48
405048073122801	S57488.1	405048	731228	112GLCLU	1975	30.0	--	--	03-19-96	28.01
410356071544201	S58922.1	410355	715444	112GLCLU	1976	47.8	51	56	03-14-96	2.25
410404071565901	S58923.1	410401	715701	112GLCLU	1976	57.3	65	70	03-14-96	8.41
410401071570202	S58923.2	410401	715701	112GLCLU	1976	57.6	87	92	03-14-96	3.39
405933072093401	S58924.1	405934	720932	112GLCLU	1976	110.3	132	137	03-19-96	7.98
405950072124501	S58925.1	405952	721245	112GLCLU	1976	72.0	85	90	03-21-96	8.75
405607072225801	S58957.1	405606	722308	112GLCLU	1976	188.8	196	201	03-19-96	11.19
405737072215801	S58958.1	405738	722159	112GLCLU	1976	190.0	203	208	03-19-96	24.27
405816072162801	S58959.1	405808	722035	112GLCLU	1976	187.5	195	200	03-19-96	14.87
405827072190501	S58960.1	405827	721905	112GLCLU	1976	134.2	150	155	03-19-96	19.57
405842072164901	S58961.1	405831	721639	112GLCLU	1976	126.5	125	130	03-19-96	6.35
405615072182301	S59793.1	405616	721823	211MGTY	1984	34.0	512	522	03-19-96	10.95
405616072182301	S62393.1	405616	721823	112GLCLU	1984	34.0	30	34	03-19-96	14.12
410111072010101	S62397.1	410111	720101	112GLCLU	1980	57.2	61	65	03-19-96	4.01
405700073080301	S62406.1	405700	730803	112GLCLU	1977	42.0	41	45	03-21-96	3.69
405604073080001	S62407.1	405604	730800	112GLCLU	1977	40.0	41	45	03-21-96	13.45
405144073081001	S63606.1	405144	730810	112GLCLU	1978	97.7	--	--	03-22-96	67.35
404426073181201	S63747.1	404426	731812		1990	50.0	--	--	03-13-96	36.22
404303073112801	S63832.1	404303	731128		1978	7.3	--	--	03-18-96	5.23
404345073124001	S63835.1	404345	731240		1978	13.5	--	--	03-18-96	8.34
404331073141701	S63841.1	404331	731417		1978	12.1	--	--	03-18-96	5.77
404210073182501	S64192.1	404210	731825		1978	17.6	--	--	03-13-96	9.78
404116073204201	S64209.1	404116	732042		1978	10.0	--	--	03-13-96	5.70
									03-24-96	5.27
404116073204301	S64210.1	404116	732043		1978	10.0	--	--	03-13-96	5.73
404659073202001	S64313.1	404659	732020	112GLCLU	1979	89.4	25	30	03-12-96	72.05
404746073221901	S64316.1	404746	732219	112GLCLU	1979	160.1	58	63	03-18-96	106.62
404900073242801	S64317.1	404900	732428	112GLCLU	1978	149.6	78	83	03-18-96	70.07
404737073251601	S64318.1	404737	732516	112GLCLU	1990	142.0	--	--	03-18-96	95.90
404436073135601	S64525.1	404436	731356		1978	26.0	--	--	03-13-96	21.53
404217073215601	S64853.1	404217	732156		1990	33.2	--	--	03-13-96	22.79
404713072575701	S65603.1	404718	725749	112GLCLU	1978	54.0	65	70	03-12-96	24.21
									08-26-96	26.03

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
410104072303001	S65605.1	410104	723030		1978	41.0	41	44	03-21-96	6.78
405003073155201	S65607.1	405003	731552	112GLCLU	1978	138.0	97	102	03-19-96	47.82
405200073082101	S65608.1	405200	730821		1978	105.0	67	72	03-22-96	63.09
404944073104001	S65609.1	404944	731040		1978	52.7	10	15	03-22-96	46.55
405351072535101	S65855.1	405351	725351	112GLCLU	1978	77.6	28	32	06-06-96	47.52
									08-27-96	47.28
405548072593501	S65861.1	405549	725936	112GLCLU	1978	143.9	106	110	03-15-96	41.38
									08-28-96	42.91
405245072573702	S66506.1	405245	725737	112GLCLU	1979	83.0	55	60	03-12-96	48.63
									08-27-96	50.46
405345072591101	S66507.1	405345	725911	112GLCLU	1979	100.0	68	72	03-18-96	49.70
									03-21-96	49.78
									08-29-96	51.62
405014072564001	S66508.1	405013	725640	112GLCLU	1979	66.0	55	60	03-11-96	37.09
									08-26-96	37.85
405002073043501	S66509.1	405002	730435	112GLCLU	1979	139.7	109	114	03-21-96	48.79
405441073043501	S66510.1	405350	730316	112GLCLU	1979	137.8	--	--	03-21-96	48.17
405644073051201	S66511.1	405644	730512	112GLCLU	1979	105.0	--	--	03-21-96	11.85
405504073011201	S66512.1	405504	730112	112GLCLU	1979	120.6	99	104	03-21-96	47.03
404949073215101	S66847.1	404949	732151	112GLCLU	1978	170.8	97	102	03-18-96	72.44
404922073071201	S66848.1	404922	730744	112GLCLU	1979	98.0	67	72	03-22-96	43.32
405255073044301	S67564.1	405255	730443	112GLCLU	1980	103.0	80	85	03-21-96	53.60
405504073282501	S69780.1	405504	732825	112GLCLU	1981	110.9	139	150	03-18-96	4.54
405556073274201	S69934.1	405556	732742		1981	18.1	44	46	03-18-96	5.82
410137071590201	S70255.1	410137	715902	112GLCLU	1980	169.6	315	320	03-14-96	4.20
410108071590003	S70257.1	410108	715900	112GLCLU	1981	50.1	104	109	03-19-96	3.01
410233071553801	S70259.1	410233	715538	112GLCLU	1981	38.7	92	97	03-14-96	2.99
410213071572201	S70260.1	410213	715722	112GLCLU	1981	27.8	94	99	03-14-96	3.84
410213071572202	S70263.1	410213	715722	112GLCLU	1981	27.8	40	45	03-14-96	3.90
410159072001601	S70613.1	410159	720016	112GLCLU	1981	65.8	70	75	03-19-96	2.26
410219071591101	S70614.1	410219	715911	112GLCLU	1981	86.0	90	95	03-19-96	3.77
410320071570601	S70617.1	410320	715706	112GLCLU	1982	72.7	93	97	03-14-96	8.71
410330071563901	S70618.1	410330	715639	112GLCLU	1981	85.6	100	105	03-14-96	3.32
410414071515901	S70627.1	410414	715159	112GLCLU	1981	90.1	90	95	03-14-96	12.93
405728072342402	S71570.1	405728	723424	112GLCLU	1988	29.3	50	52	03-21-96	8.39
405811072350402	S71572.1	405811	723504	112GLCLU	1982	46.8	52	56	03-21-96	8.68
405811072350401	S71573.1	405811	723504	112GLCLU	1982	46.8	70	75	03-21-96	8.74
410322071523901	S72283.1	410322	715239	112GLCLU	1982	58.6	84	89	03-14-96	4.02
410118072001501	S72415.1	410118	720015	112GLCLU	1982	94.0	99	103	03-19-96	4.20
410211071560001	S72416.1	410211	715600	112GLCLU	1982	44.2	93	97	03-14-96	2.48
410235071564301	S72417.1	410235	715643	112GLCLU	1982	59.6	71	75	03-14-96	3.71
410319071555901	S72418.1	410319	715559	112GLCLU	1982	11.6	51	55	03-14-96	2.80

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404801072553801	S72812.1	404802	725538	211MGTY	1982	36.0	189	194	03-14-96	24.37
									06-07-96	25.56
									08-26-96	25.58
410420071551901	S72871.1	410420	715519	112GLCLU	1982	5.4	33	38	03-14-96	1.51
405616072182302	S73990.1	405616	721823	211MGTY	1984	34.0	540	545	03-19-96	8.98
404750073225302	S74284.2	404750	732253	211MGTY	1984	154.0	699	704	11-28-95	62.97
									01-18-96	62.93
									06-27-96	63.48
									09-25-96	64.03
404750073225303	S74285.1	404750	732253	211MGTY	1984	154.3	440	445	11-28-95	63.92
									01-18-96	63.81
									06-27-96	64.40
									09-25-96	64.94
404750073225304	S74286.1	404750	732253	211MGTY	1984	154.6	107	112	11-28-95	65.99
									01-18-96	65.84
									06-27-96	67.03
									09-25-96	66.90
405201072544301	S74287.1	405200	725434	112GLCLU	1983	58.7	31	35	03-11-96	42.35
									06-06-96	44.26
									08-27-96	43.74
405418072511201	S74289.1	405417	725116	112GLCLU	1983	76.8	40	44	03-11-96	43.25
									06-06-96	45.06
									08-27-96	44.26
405421072474501	S74291.1	405421	724745	112GLCLU	1983	44.4	15	19	03-12-96	39.44
									06-06-96	39.21
									08-27-96	38.86
405017072495001	S74293.1	405017	724950	112GLCLU	1983	83.6	67	71	03-13-96	26.89
									06-06-96	28.90
									08-26-96	28.96
405213072481101	S74294.1	405213	724808	112GLCLU	1983	56.5	32	36	03-13-96	35.51
									06-07-96	36.32
									08-26-96	35.50
405347072385501	S74296.1	405347	723855	112GLCLU	1983	23.5	20	24	03-19-96	15.95
405338072430501	S74297.1	405338	724305	112GLCLU	1983	103.8	96	100	03-18-96	32.91
405348072370501	S74298.1	405340	723709	112GLCLU	1983	61.3	74	78	03-18-96	13.39
405340072340601	S74299.1	405334	723408	112GLCLU	1983	22.6	20	24	03-18-96	10.40
405115072370501	S74300.1	405127	723643	112GLCLU	1983	75.0	68	72	03-18-96	14.83
405434072421401	S74302.1	405422	724233	112GLCLU	1983	36.5	40	44	03-18-96	19.24
									08-29-96	18.69
405435072421401	S74303.1	405431	724110	112GLCLU	1983	19.2	20	24	03-18-96	15.42
405419072381201	S74304.1	405417	723810	112GLCLU	1983	25.3	25	29	03-18-96	8.92
405256072392301	S74308.1	405255	724019	112GLCLU	1983	98.5	100	104	03-19-96	19.51
410427072213601	S75436.1	410427	722134	112GLCLU	1983	57.4	60	62	03-21-96	10.38
410309072205601	S75438.1	410319	722055	112GLCLU	1983	11.0	18	23	03-21-96	2.21
404852073024202	S76478.1	404852	730242	112GLCLU	1984	104.8	70	75	03-14-96	43.68
404942073175502	S76673.2	404942	731755	211MGTY	1984	130.0	625	630	03-19-96	58.01
404942073175503	S76674.1	404942	731755	211MGTY	1984	130.0	455	460	03-19-96	58.22

SECONDARY WELLS

Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404942073175504	S76675.1	404942	731755	211MGTY	1984	130.0	245	250	03-19-96	59.05
405446072524801	S76834.1	405446	725248	112GLCLU	1984	87.9	44	48	03-11-96	45.52
									06-06-96	47.64
									08-27-96	47.68
405004072515402	S78323.1	405004	725154	211MGTY	1985	95.0	331	336	03-13-96	25.71
									06-06-96	27.60
									08-26-96	27.95
405405072442701	S89534.1	405405	724427	211MGTY	1994	44.0	782	792	03-13-96	23.38
									08-26-96	23.93
405405072442702	S89535.1	405405	724427	211MGTY	1990	44.0	510	520	03-13-96	24.36
									08-26-96	24.92
405405072442703	S89536.1	405405	724427	211MGTY	1990	44.0	260	270	03-13-96	24.53
									08-26-96	25.08
403741073215202	S90161.1	403741	732152	112GLCLU	1992	12.3	40	45	03-12-96	1.11
403741073215203	S90162.1	403741	732152	112GLCLU	1992	12.3	65	70	03-12-96	1.02
403741073215204	S90163.1	403741	732152	112GLCLU	1992	12.3	80	85	03-12-96	1.00
405038072431104	S94489.1	405038	724311	211MGTY	1990	46.0	824	834	03-18-96	14.55
410801072205701	S95423.1	410748	722054	112GLCLU	1989	47.9	103	108	03-21-96	3.63
410753072205301	S95424.1	410800	722059	112GLCLU	1989	47.9	68	70	03-21-96	3.20
404759073251701	S95963.1	404759	732517	112GLCLU	1994	170.0	180	190	03-18-96	69.24
404759073251702	S95964.1	404759	732517	211MGTY	1994	170.5	396	406	03-18-96	68.68
405914072190803	S105710.1	405914	721908	211MGTY	1995	44.1	437	447	03-19-96	9.99
405844072191702	S105711.1	405844	721917	211MGTY	1995	114.5	372	382	03-19-96	11.10
405914072190801	S106181.1	405914	721908		1994	43.9	145	155	03-19-96	9.44
405914072190802	S106182.1	405914	721908	112GLCLU	1994	43.8	45	55	03-19-96	16.00
405844072191701	S106185.1	405844	721917	112GLCLU	1994	114.2	115	125	03-19-96	66.40
405741072161801	S106189.1	405741	721618	112GLCLU	1994	70.3	77	87	03-19-96	12.72

Aquifer unit code	Description
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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

NASSAU COUNTY

The following wells were sampled for water quality during the 1996 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	N2920	N4265	N5528	N7030	N8010	N8779
N22	N3185	N4298	N5596	N7052	N8043	N8837
N37	N3443	N4388	N5603	N7076	N8183	N8956
N46	N3456	N4400	N5655	N7104	N8196	N8957
N72	N3457	N4447	N5672	N7117	N8216	N8979
N97	N3465	N4448	N5696	N7126	N8217	N9068
N101	N3474	N4450	N5710	N7446	N8218	N9076
N103	N3475	N4623	N5762	N7482	N8233	N9151
N118	N3486	N4756	N5852	N7513	N8248	N9180
N119	N3523	N4757	N5876	N7515	N8249	N9210
N133	N3561	N4758	N5884	N7516	N8251	N9211
N134	N3569	N4759	N6042	N7523	N8253	N9212
N149	N3605	N5121	N6076	N7548	N8264	N9452
N152	N3618	N5147	N6077	N7549	N8279	N9463
N198	N3668	N5148	N6087	N7552	N8313	N9488
N199	N3720	N5155	N6092	N7561	N8321	N9520
N570	N3732	N5156	N6093	N7562	N8342	N9521
N585	N3733	N5163	N6149	N7593	N8354	N9846
N687	N3745	N5187	N6190	N7620	N8355	N9976
N735	N3878	N5193	N6191	N7649	N8409	N10149
N736	N3905	N5194	N6192	N7650	N8436	N10206
N1298	N3934	N5195	N6193	N7665	N8457	N10207
N1328	N3935	N5201	N6531	N7720	N8474	N10208
N1651	N3953	N5209	N6580	N7747	N8475	N10555
N1715	N4082	N5227	N6651	N7772	N8576	N10557
N1716	N4095	N5302	N6741	N7773	N8595	N10612
N1870	N4096	N5303	N6744	N7781	N8658	N10889
N2028	N4097	N5304	N6745	N7785	N8664	N11037
N2030	N4133	N5308	N6817	N7796	N8665	N11107
N2214	N4243	N5318	N6819	N7797	N8713	N11295
N2400	N4245	N5320	N6945	N7873	N8778	N11909
N2748	N4246	N5322	N6956			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1996 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
N129	N3708	N8414	N9054	N9892	N10667	N12154
N1102	N3711	N8599	N9077	N9893	N10732	N12218
N1115	N3861	N8630	N9079	N9895	N10979	N12238
N1116	N3862	N8631	N9098	N9896	N10992	N12239
N1118	N3864	N8635	N9099	N9898	N11002	N12250
N1133	N3865	N8646	N9116	N9900	N11109	N12254
N1139	N3866	N8647	N9117	N9909	N11167	N12256
N1147	N3867	N8651	N9152	N9919	N11168	N12362
N1148	N3932	N8652	N9154	N9920	N11304	N12450
N1152	N4026	N8653	N9188	N9925	N11310	N12464
N1184	N4062	N8654	N9191	N9927	N11324	N12465
N1189	N4213	N8655	N9208	N9930	N11455	N12469
N1190	N4547	N8717	N9271	N9931	N11573	N12483
N1195	N5129	N8718	N9309	N9932	N11580	N12570
N1197	N5250	N8749	N9314	N9934	N11634	N12571
N1201	N6581	N8806	N9316	N9938	N11730	N12572
N1205	N6701	N8832	N9354	N9939	N11784	N12573
N1231	N6702	N8847	N9356	N9940	N11798	N12609
N1232	N6703	N8848	N9373	N9941	N11824	N12612
N1236	N6704	N8849	N9469	N9946	N11956	N12618
N1243	N6849	N8857	N9472	N9967	N11961	N12635
N1246	N6850	N8863	N9473	N10000	N11962	N12636
N1253	N6851	N8873	N9477	N10008	N12013	N12646
N1278	N6853	N8875	N9478	N10035	N12038	N12665
N1279	N6928	N8876	N9649	N10100	N12050	N12667
N1280	N7161	N8891	N9650	N10145	N12075	N12697
N1281	N7207	N8933	N9655	N10192	N12076	N12711
N1422	N7235	N8938	N9656	N10199	N12079	Q 287
N1449	N7450	N8939	N9663	N10390	N12082	Q 1187
N2790	N7719	N8940	N9665	N10425	N12102	Q 1237
N3498	N8046	N8970	N9711	N10430	N12112	Q 3109
N3707	N8052	N8984	N9820	N10620	N12152	

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

SUFFOLK COUNTY

The following wells were sampled for water quality during the 1996 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	Local identifier	Local identifier	Local identifier	Local identifier
S65	S15776	S20705	S26600T	S33970	S40331	S48194T	S56039	S68666	S88463T	S100069
S75	S15898	S20705T	S26681	S34007	S40497	S48719	S56133	S68690	S88704	S100069T
S75T	S15901	S20838	S27070	S34030	S40498	S49422	S56674	S68880	S89754	S100204
S184	S15923	S20839	S27192	S34031	S40709	S49606	S57008	S69024	S89756	S100204T
S721	S15962	S20955	S27259	S34300	S40710	S50546	S57354	S69364	S90674	S100453
S874	S16124	S21121	S27261	S34301	S40711	S51214	S57357	S69511	S90674T	S100453T
S1331	S16129	S21244	S27440	S34460	S40837	S51266	S57871	S70008	S90910T	S100608
S1340	S16175	S21247	S27533	S34595	S40838	S51274	S57979	S70155	S92459T	S100691
S1341	S16176	S21366	S27784	S34733	S40980	S51275	S57980	S70459	S93519	S100691T
S1666	S16256	S21375	S28408	S34894	S40982	S51298	S58708	S70488	S93701	S101321
S1667	S16309	S21487	S28503	S34894T	S42226	S51457	S58761	S70767	S93701T	S101321T
S2405	S16497	S21632	S28767	S35033	S42227	S51519	S59347	S71038	S93702	S10264T
S2415	S16668	S22048	S28819	S35446	S42270	S51609	S59744	S71083	S93702T	S10264T
S2570	S16892	S22171	S28928	S35494	S42473	S51673	S60127	S71533	S94138	S103447
S2978	S16893	S22351	S29411	S35670T	S42499	S51953	S60486	S71715	S94138T	S103447T
S3615	S17241	S22362	S29491	S35939	S42504	S52126	S60812	S71785	S94274	S103519
S3815	S17474	S22389	S29492	S36166	S42505	S52451	S61910	S71881	S94286	S103519T
S4184	S17630	S22471	S29732	S36459	S42760	S52490	S61937	S71882	S94554T	S103522T
S4372	S17689	S22494	S30088	S36460	S42761	S52496	S62022	S71892	S94555T	S103523T
S5565	S17835	S22547	S30117	S36711	S42762	S52497	S62855	S72245	S94593T	S101579T
S6513	S18003	S22548	S30118	S36714	S42827	S52498	S63205	S72271	S95247T	S101655
S7570	S18261	S22640	S30207	S36748	S43001	S52553	S63256	S72300	S95283T	S101655T
S8439	S18566	S22711	S30208	S36791	S43117	S52554	S63618	S72326	S96232	S101755
S8980	S18621	S23046	S30227	S36791T	S43641	S52943	S63966	S72917	S96233T	S101755T
S9771	S18729	S23183	S30228	S36869	S44468	S52944	S64023	S73144	S96352	S102248
S10364	S18762	S23184	S30234	S36965	S44640	S52945	S64062	S73332	S96352T	S102248T
S10364T	S19048	S23185	S30506	S36976	S44774	S53074	S64609	S73492	S96481T	S102249T
S10549T	S19198	S23186	S30762	S37140	S45610	S53291	S64716	S74505	S96482T	S104043T
S10641	S19399	S23255	S31037	S37141	S45839	S53360	S64847	S74573	S96553T	S104114T
S11105	S19408	S23371	S31038	S37301	S45840	S53361	S65505	S74865	S96673	S104139T
S11810	S19465	S23440	S31039	S37351	S46235	S53497	S65766	S75859	S96673T	S104885T
S11891	S19554	S23445	S31104	S37494	S46400	S53498	S65905	S77010	S97798T	S105003T
S12016	S19565	S23524	S31624	S37681	S46509	S53522	S66183	S78310	S98322	S105300T
S12130	S19584	S23617	S31913	S37847	S46712	S53593	S66184	S78612	S98322T	S105301T
S12143	S19585	S23631	S32180	S37861	S46713	S53747	S66366	S79293	S98349T	S105448
S12710	S19884	S23715	S32287	S38192	S46830	S53850	S66429	S81473	S98350	S105524T
S13534	S19885	S23827	S32325	S38194	S46928	S53851	S66496	S82174	S98350T	S105525T
S13558	S20057	S23828	S32326	SS38320	S47024	S54162	S66657	S82174T	S98385T	S105669
S13620	S20300	S23832	S32359	S38321	S47035	S54305	S66733	S83096	S98523	S105669T
S14218	S20369	S23848	S32501	S38491	S47219	S54308	S66758	S83707	S98721T	S105700T
S14326	S20460	S24047	S32551	S38701	S47310	S54473	S66825	S84848	S99014	S105935T
S14710	S20479	S24323	S32552	S38784	S47435	S54568	S66881	S84848T	S99014T	S105936T
S14792	S20530	S24484	S33005	S38785	S47436	S54730	S67074	S84849	S99130	S106415T
S14828	S20566	S24545	S33006	S38916	S47437	S54957	S67197	S84849T	S99130T	S106416
S14921	S20591	S24552	S33308	S38917	S47438	S55028	S67656	S86113	S99215T	S106565T
S15037T	S20603	S24663	S33500	S39024	S47453	S55463	S67819	S86113T	S99275	S106977T
S15499	S20635	S25674	S33820	S39347	S47673	S55502	S67925	S87817	S99275T	S106978T
S15501	S20688	S25776	S33826	S39406	S47886	S55733	S68161	S87818	S99650T	S107894T
S15514	S20688T	S26490	S33922	S39636	S47887	S55734	S68230	S87819	S99960	S107971T
S15746	S20689	S26535	S33922T	S40330	S48193	S56038	S68552	S88463	S99960T	S108161
										S108241T

*T = Test hole

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1996 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
S8837	S47758	S48438	S49898	S51568	S51591	S58924
S43811	S47977	S48439	S51169	S51571	S51592	S58960
S45212	S48425	S48440	S51170	S51572	S53325	S59992
S45447	S48426	S48519	S51171	S51576	S53327	S66506
S47228	S48427	S48522	S51172	S51577	S53330	S66508
S47229	S48428	S48577	S51179	S51579	S53332	S66509
S47675	S48430	S48578	S51184	S51581	S53335	S66511
S47698	S48432	S48579	S51185	S51582	S53336	S66513
S47753	S48433	S48580	S51186	S51583	S57371	S89534
S47754	S48435	S48946	S51566	S51586	S58921	S89535
S47755	S48437	S48958	S51567	S51588	S58922	S89536

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
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
	Area	
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
	Volume	
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
	Flow	
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
	Mass	
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.

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
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Coram, NY 11727