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Water Resources Data New York Water Year 1997

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-97-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1997

1996

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1997

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Water Resources Data New York Water Year 1997

Volume 2. Long Island

by A.G. Spinello, G. Peña-Cruz, R.B. Winowitch, and V.K. Eagen

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-97-2
Prepared in cooperation with the State of New York
and with other agencies

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BRUCE BABBITT, Secretary

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1998

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
Volume 2. Coram, Bronius Nemickas, Subdistrict Chief
Volume 3. Ithaca, Edward Bugliosi, Subdistrict Chief

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

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Water resources data for the 1997 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 2 gaging stations; and water levels at 713 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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FIGURES

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

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

[Letter after station name designates type of data: (d) discharge, (e) contents and/or elevation, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment]

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, 1997
Volume 2.—Long Island

INTRODUCTION

Water resources data for the 1997 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 2 gaging stations; and water levels at 713 observation wells. Also included are data for 79 low-flow partial record stations. Locations of these sites are shown on pages 41-49. 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-97-2." 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, Commissioner.
County of Nassau, Department of Public Works, John M. Waltz, Commissioner.
County of Suffolk, Department of Health Services, Clare B. Bradley, M.D., MPH, Acting 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 median at the beginning of the 1997 water year but increased to slightly above median in December; average conditions continued to end of water year (figs. 2-5).

The maximum stream discharges for the 1997 water year occurred mainly in October. The storm of October 19 caused most of the maximum stream discharges on Long Island. Runoff was greater than in the previous water year at all stations and ranged from average to slightly above average for the water year. Maximum monthly mean discharges for the 1997 water year at most stations occurred in December, and minimum monthly mean discharges occurred mostly in September. Precipitation for the 1997 water year at Brookhaven National Laboratory was 47.42 in. and was 0.78 in. below normal.

Water levels in most wells screened in the upper glacial aquifer were slightly below average at the beginning of the water year but began a sharp rise that lasted until May when they reached near- or slightly above-average levels, then began a slight decline that continued for the remainder of the water year. Water levels at some wells, mostly in central and eastern Queens and extreme western Nassau Counties, began the water year at near-record highs and continued to rise during most of the water year.

Water levels in most wells screened in the Magothy and Lloyd aquifers were near average at the beginning of the water year and showed a normal rise during the first half of water year and a normal decline during the last half. Water levels at some wells showed greater than average variability as a result of changes in local pumpage.

Record-high water levels were measured in nine wells screened in the upper glacial, Jameco, and Magothy aquifers in central and eastern Queens, extreme western Nassau, and eastern Suffolk Counties. No record-low water levels were measured at any wells during the water year.

Surface-water quality was measured in two synoptic studies conducted as part of the Long Island-New Jersey NAWQA coastal drainages study. A synoptic survey was done for volatile organic compounds (VOC's) during January 27-31, 1997, and for pesticides during June 8-18, 1997.

A total of 33 VOC's were detected in samples from the 10 surface-water sites on Long Island during the VOC synoptic survey. The six most frequently detected VOC's were methyl *tert*-butyl ether (MTBE), acetone, 1,1 dichloroethane (DCA), tetrachloroethene (PCE), 1,1,1 trichloroethane (TCA), and trichloroethene (TCE). The maximum measured concentration of these six VOC's were MTBE, 8.7 µg/L (micrograms per liter); acetone, 2.5 µg/L; DCA, 1.2 µg/L; PCE 7.2 µg/L; TCA 2.3 µg/L; and TCE 1.8 µg/L. These concentrations were measured in samples collected at Sampawams Creek, Santapogue Creek, or Swan River, N.Y. None of the VOC's were found in concentrations that exceeded maximum contaminant levels established by the U.S. Environmental Protection Agency.

A total of 12 pesticides were detected in samples from 9 surface-water sites on Long Island during the pesticide synoptic survey. The 4 most frequently detected pesticides (found in more than 50 percent of the samples) were atrazine (78 percent of samples), carbaryl (56 percent), prometon (78 percent), and simazine (78 percent). None of the pesticides were found in concentrations that exceeded maximum contaminant levels established by the U.S. Environmental Protection Agency.

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 the 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. 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://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

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 1997 water year that began October 1, 1996, and ended September 30, 1997. 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.

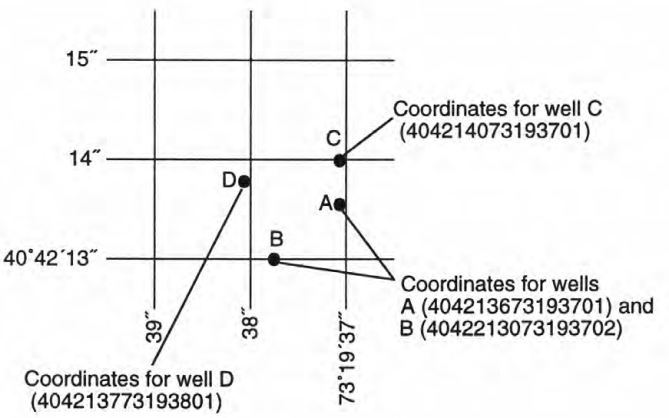

Figure 1. System for numbering wells (latitude and longitude).

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 (1997) 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 713 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.

SELECTED RECENT WATER-RELATED U.S. GEOLOGICAL SURVEY REPORTS RELEVANT TO LONG ISLAND, NEW YORK

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ACCESS TO USGS WATER DATA

The U.S. Geological Survey provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at:

http://water/usgs.gov

Some water-quality and ground-water data are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. 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 District offices. (See address on the back of the title page.)

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.

Parameter code is a 5-digit number used in the U.S. Geological Survey's data system, National Water Information System (NWIS), to uniquely identify a specific constituent. The codes used in NWIS are the same as those used in the U.S. Environmental Protection Agency's data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

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 80225-0286 (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.

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

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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-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-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

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6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model,* by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.

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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.

6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details,* by L. J. Torak: USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.

6-A6. A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water,* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels,* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells,* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers,* by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

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9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators,* by D. N. Myers and F. D. Wilde: USGS--TWRI Book 9, Chapter A7, 1997, 49 pages.

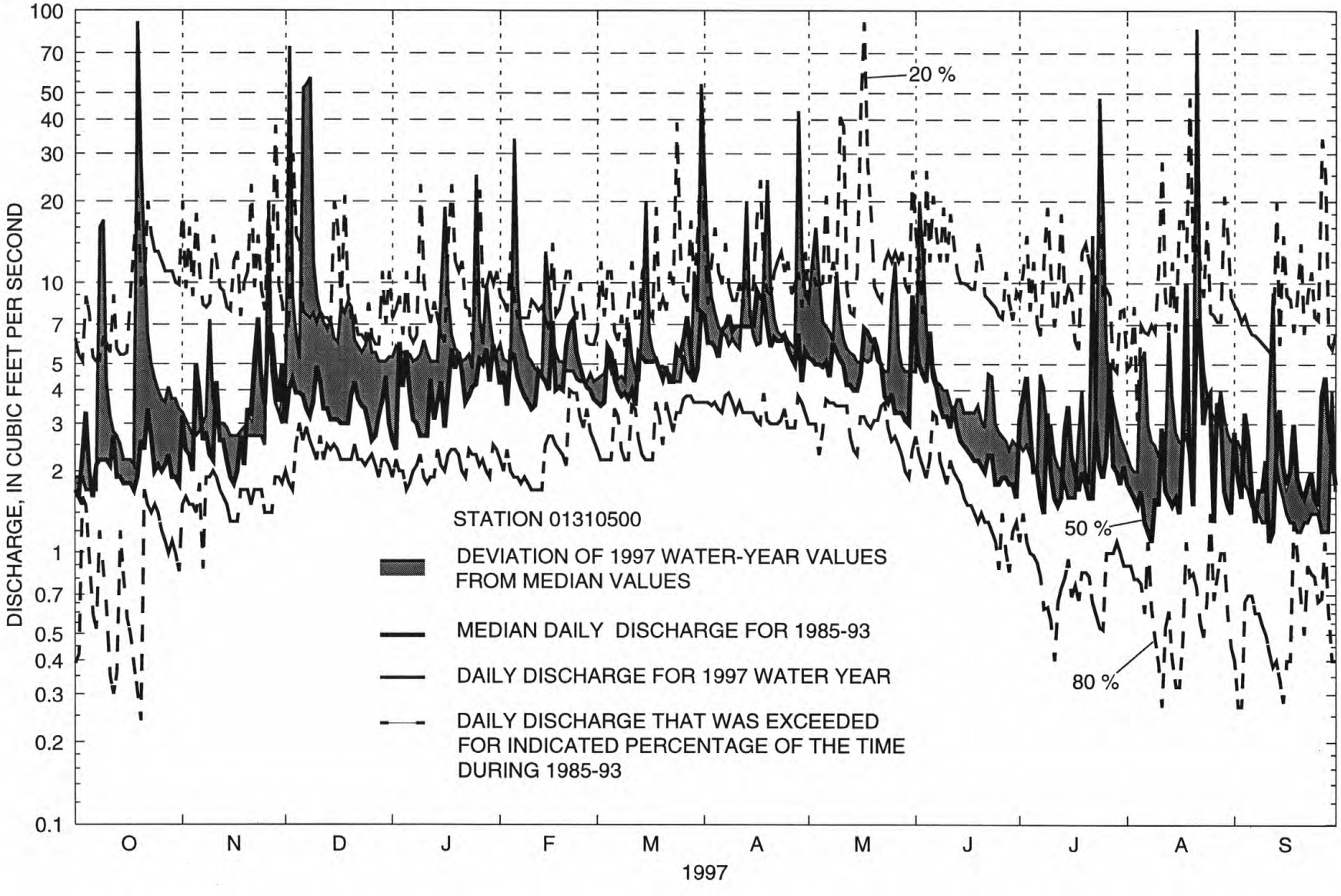


Figure 2.--Discharge data, East Meadow Brook at Freeport, Water year 1997

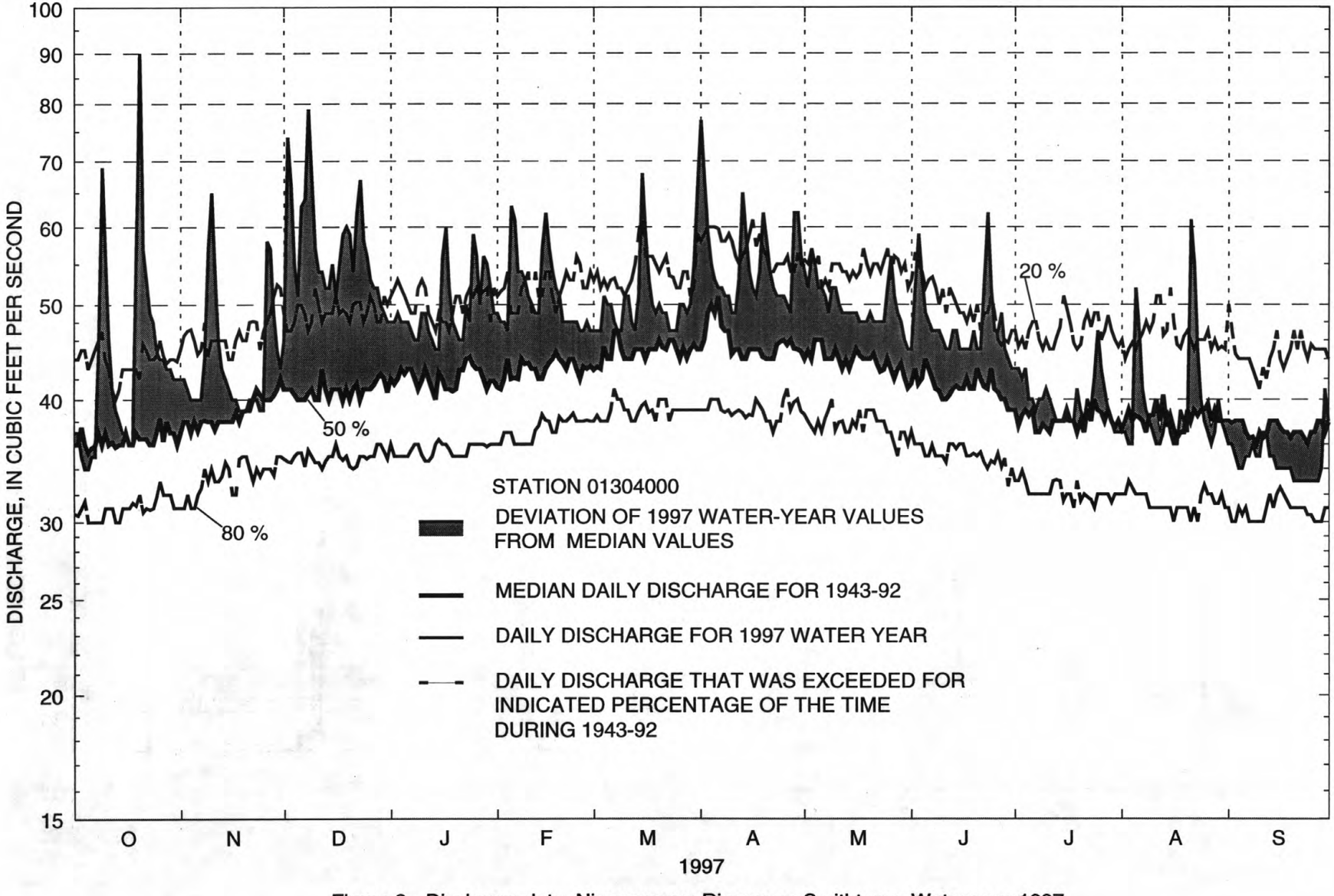


Figure 3.--Discharge data, Nissequogue River near Smithtown, Water year 1997

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.

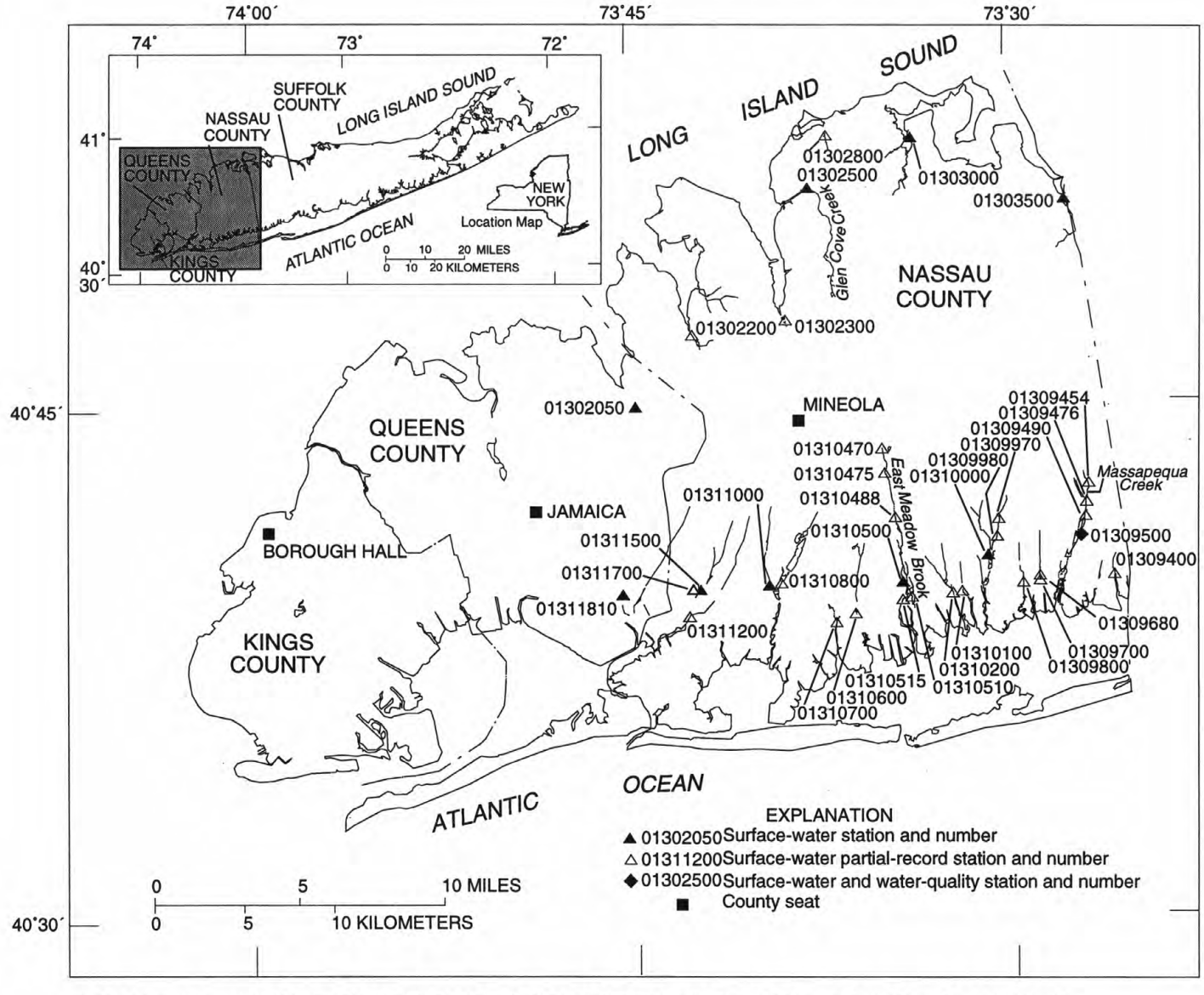


FIGURE 6A.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

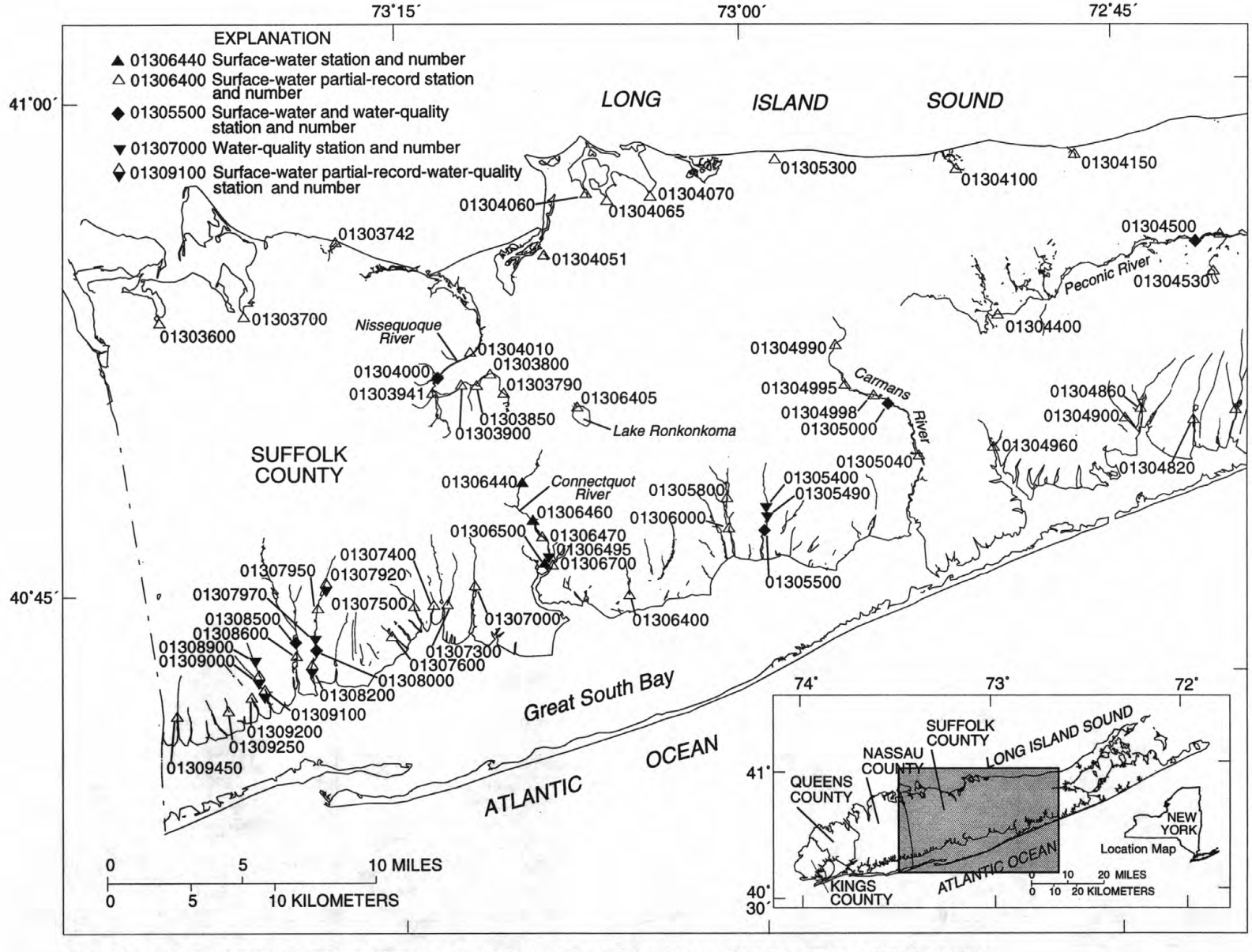


FIGURE 6B.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

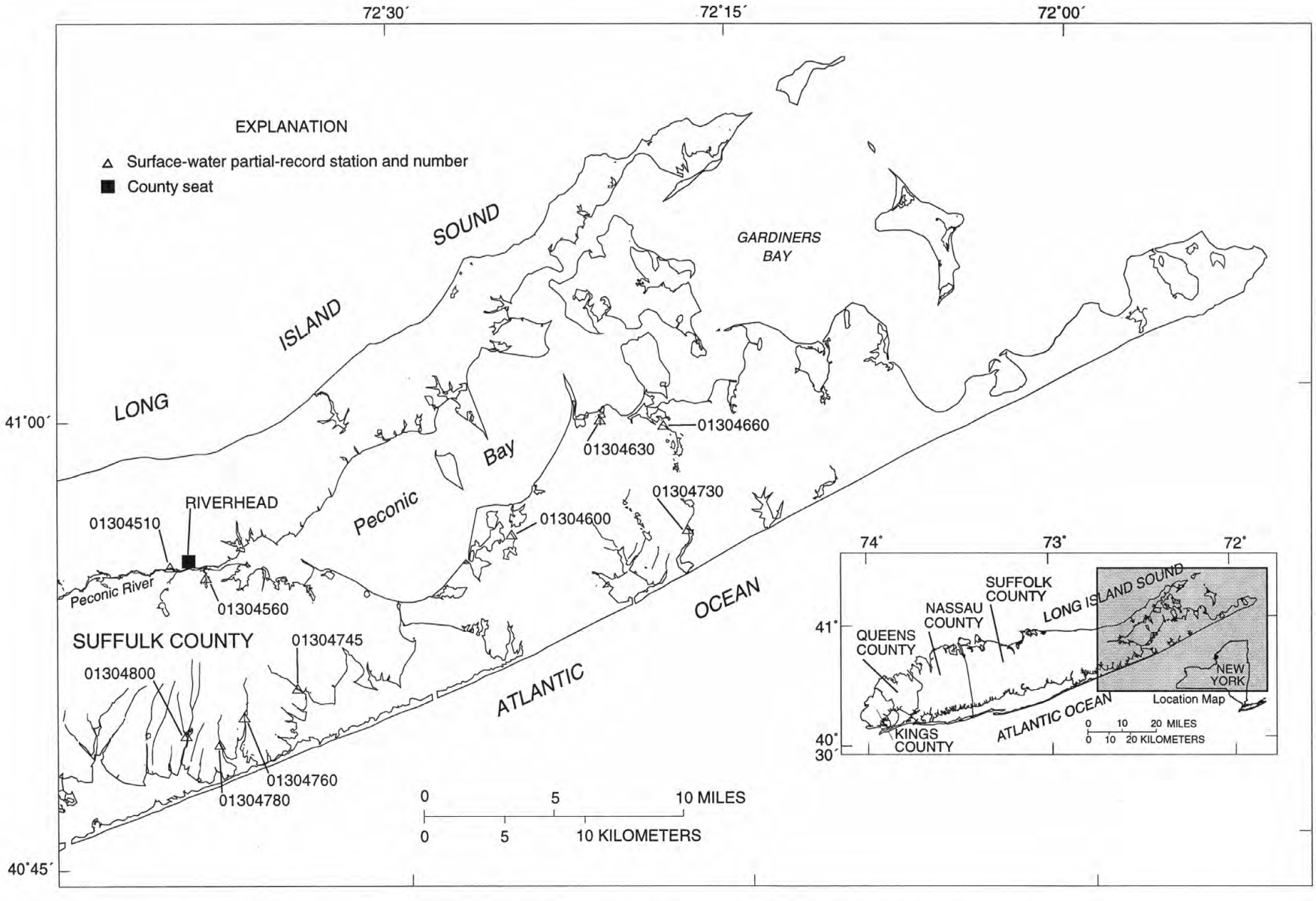


FIGURE 6C.--LOCATION OF SURFACE-WATER DATA COLLECTION SATATIONS

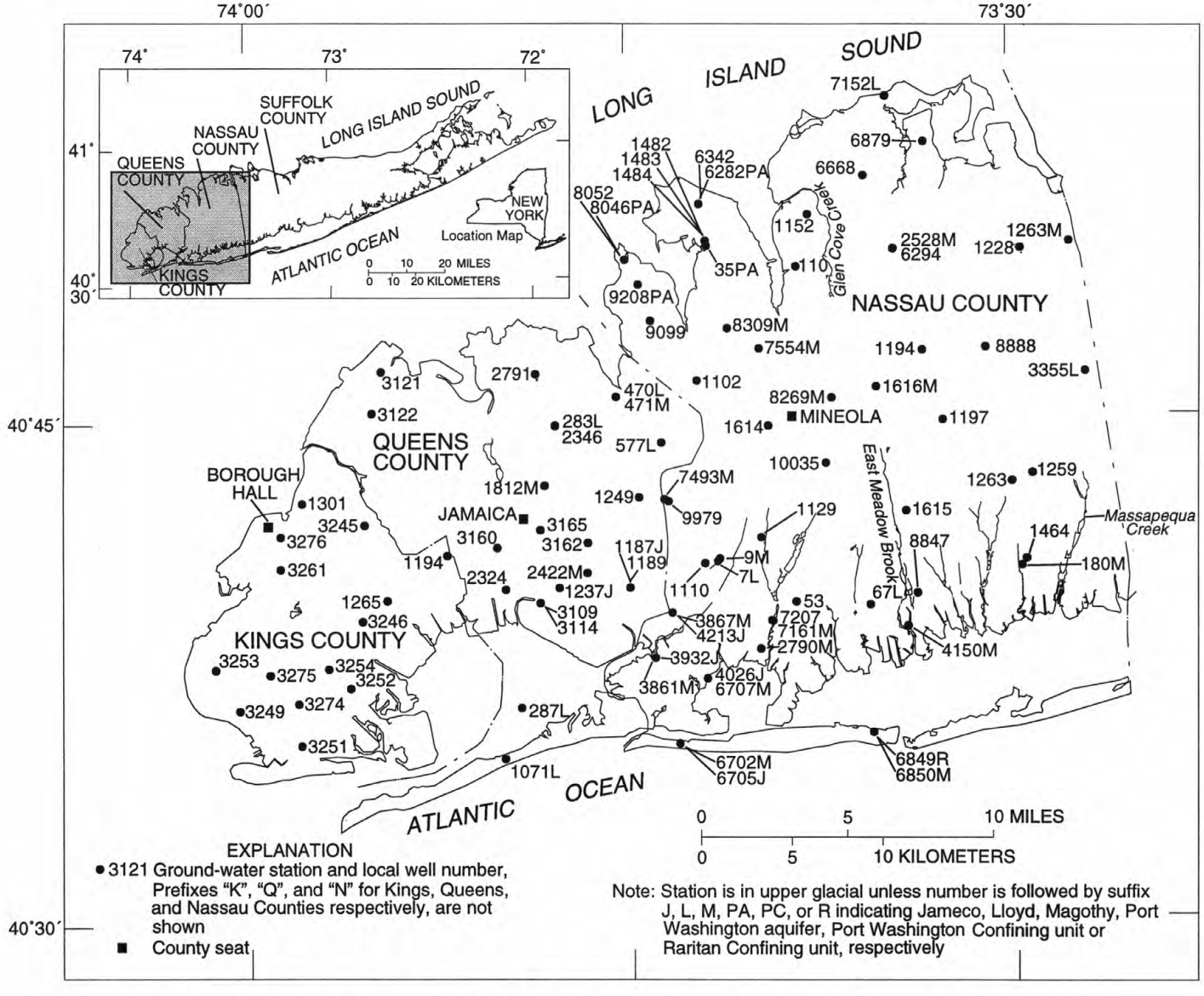


FIGURE 7A.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

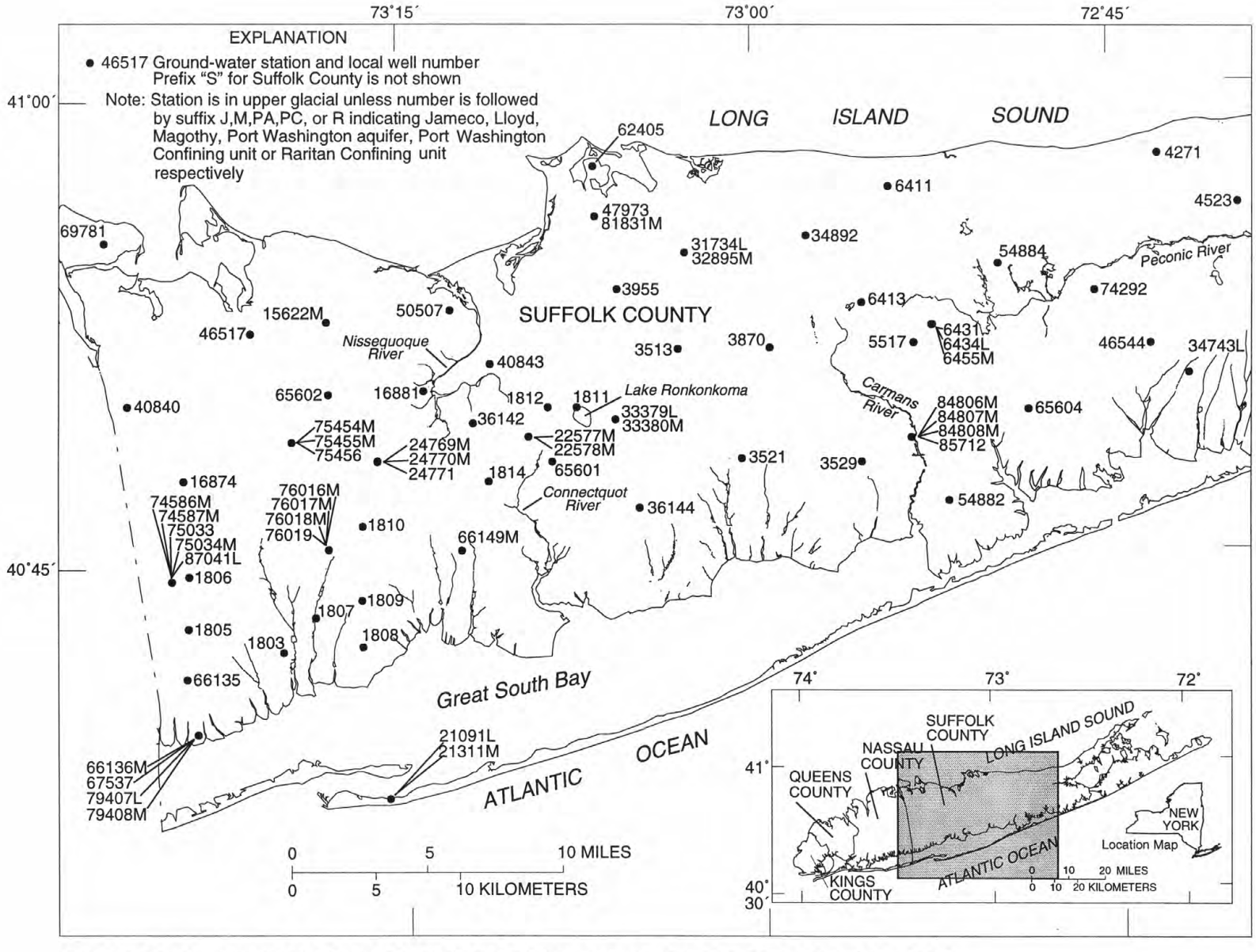


FIGURE 7B.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

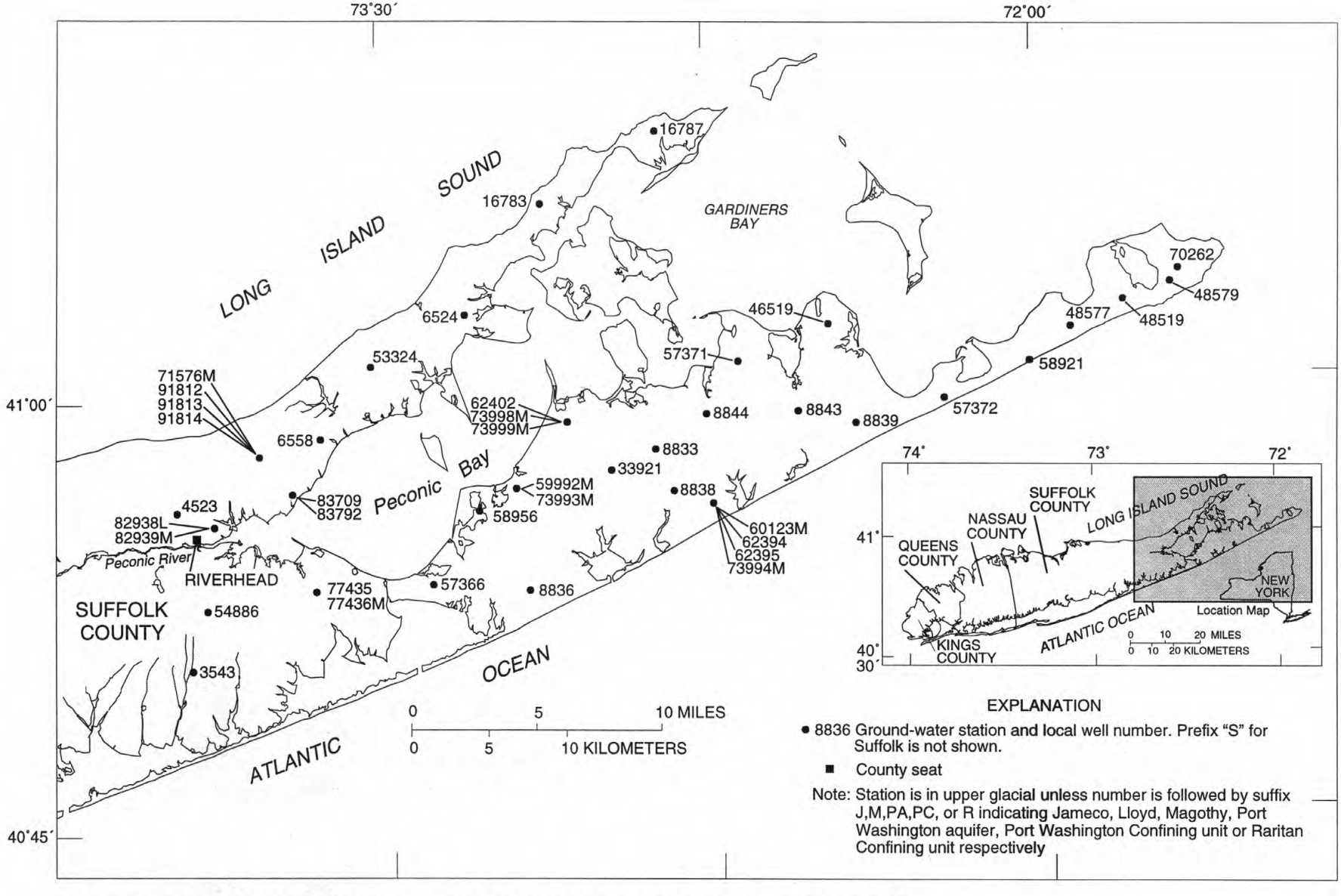


FIGURE 7C.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

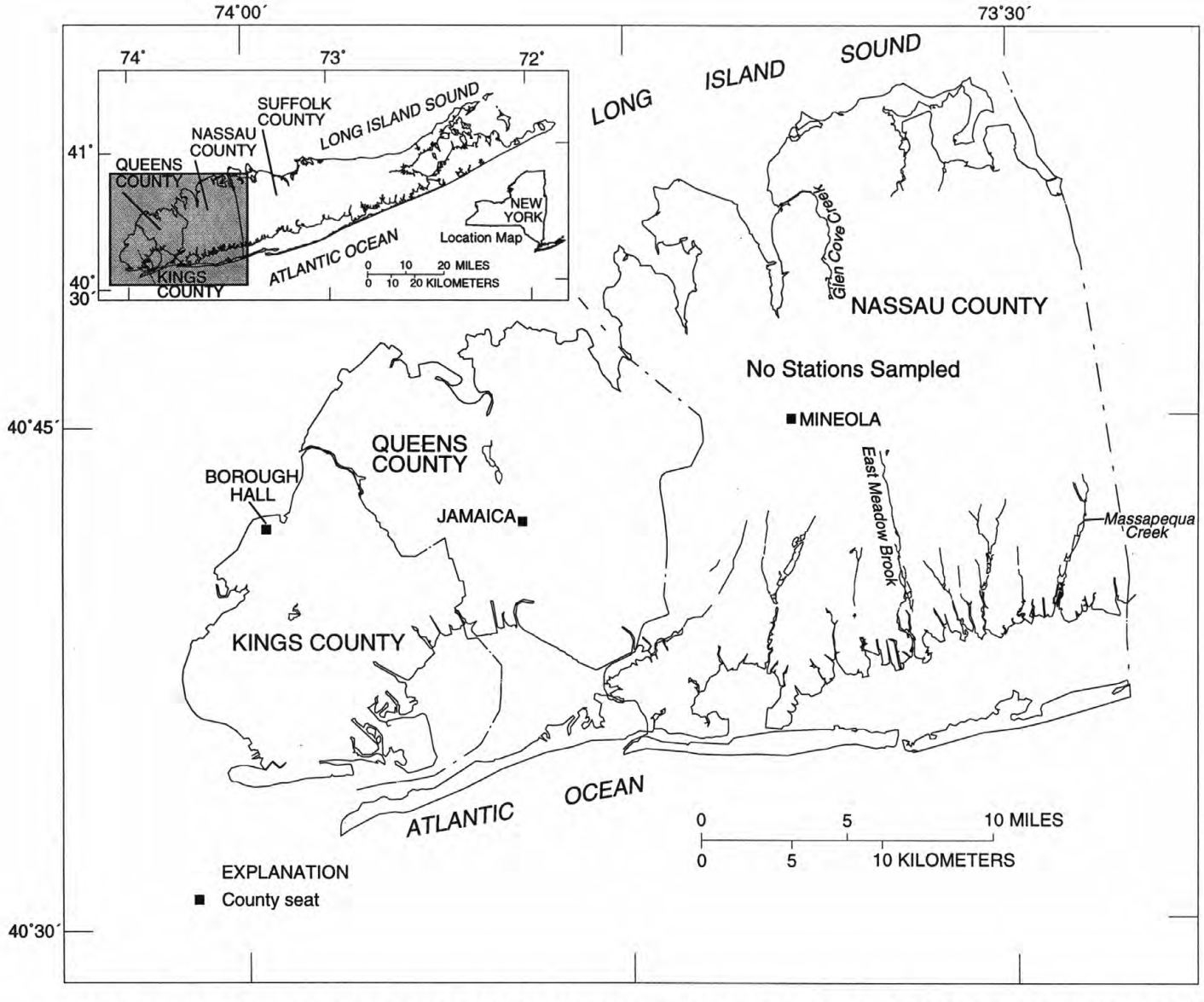


FIGURE 8A.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

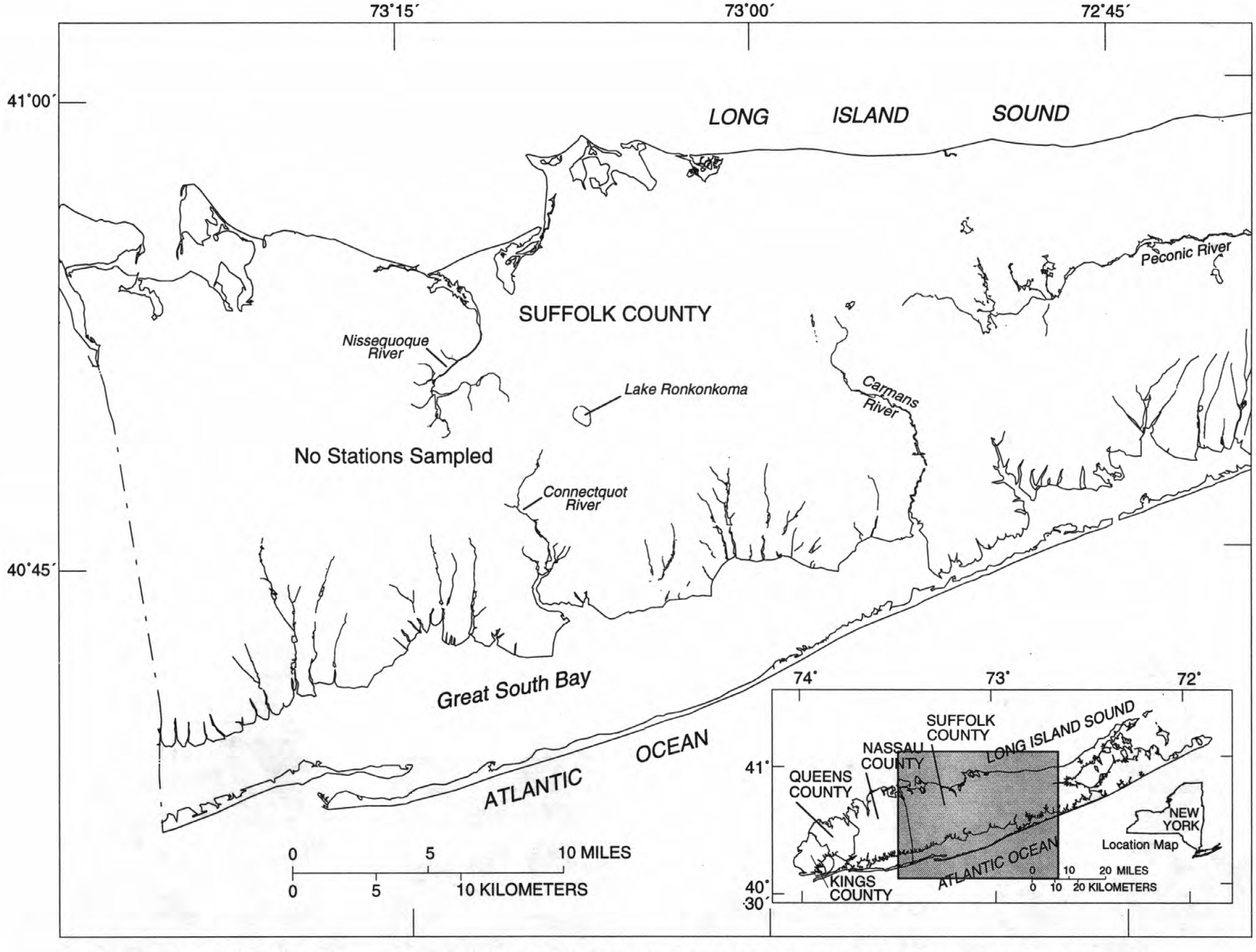


FIGURE 8B.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

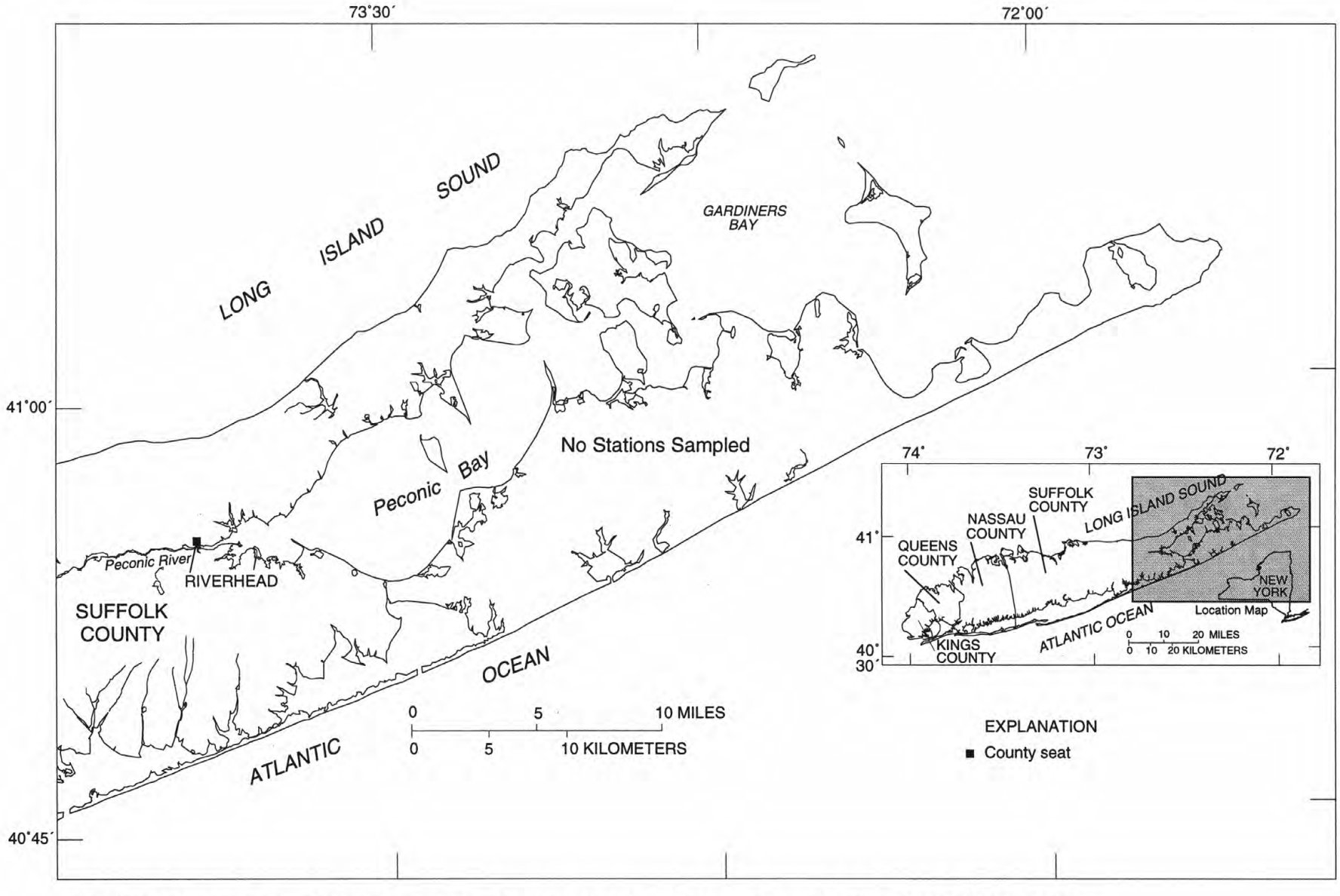


FIGURE 8C.--LOCATION OF QUALITY OF GROUND-WATER- DATA COLLECTION STATIONS

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 8- x 9-foot concrete culvert in Alley Pond Park, about 4.0 mi northeast of Oakland Gardens.

DRAINAGE AREA.—About 1.6 mi^2.

PERIOD OF RECORD.—June 1993 to current year.

GAGE.—Water-stage recorder. Datum of gage is 5.26 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	e1.1	e2.0	.95	1.3	1.8	2.9	2.1	1.2	1.2	1.3	1.3
2	1.2	e1.0	e15	.95	1.1	1.3	1.9	1.4	3.0	1.2	1.2	1.2
3	1.2	e1.0	e5.0	1.0	1.1	1.9	1.7	3.0	1.3	1.2	1.3	1.2
4	1.2	e1.0	e3.0	1.1	1.1	1.9	1.6	1.6	1.2	1.1	1.9	1.2
5	1.2	e1.0	e2.0	1.1	6.3	1.4	1.5	1.7	1.3	1.1	6.8	1.2
6	1.2	e1.0	e5.0	1.1	1.6	1.6	1.5	1.9	1.1	1.1	1.8	1.2
7	1.3	e1.0	e10	1.1	1.5	1.2	1.5	1.5	1.3	1.9	1.5	1.2
8	9.5	e1.5	e5.0	1.1	1.5	1.3	1.3	1.3	1.4	1.1	1.3	1.2
9	1.8	e2.5	e1.1	1.2	1.3	1.6	1.5	2.1	1.3	1.7	1.3	1.2
10	1.7	e1.5	1.1	1.1	1.3	2.5	1.5	1.3	1.3	1.2	1.3	1.2
11	1.1	e1.2	1.1	1.1	1.3	1.2	1.7	1.3	1.3	.95	1.3	1.5
12	1.1	e1.1	.95	.95	1.2	1.4	3.5	1.3	1.3	.95	1.3	1.2
13	1.2	e1.0	.75	.95	1.2	1.2	1.9	1.3	1.6	.95	1.7	1.2
14	1.1	e1.0	1.2	.95	2.7	3.9	1.6	1.3	1.2	.95	1.5	1.2
15	1.2	e1.0	.95	.95	1.8	2.1	1.6	1.3	1.2	.95	1.5	1.2
16	1.2	e1.0	.85	2.9	1.5	1.5	1.6	1.3	1.2	.95	1.7	1.2
17	1.2	e1.0	1.4	.85	1.5	1.5	2.0	1.3	1.1	.95	1.6	1.3
18	1.2	e1.0	.82	.85	1.5	1.5	3.0	1.3	1.3	2.4	2.3	1.2
19	44	e1.1	1.5	.85	1.4	1.5	2.1	2.0	1.6	1.2	1.5	1.2
20	1.8	e1.0	1.1	.85	1.3	1.5	1.6	1.6	1.3	1.4	2.4	1.2
21	1.3	e1.0	1.1	.85	1.3	1.5	1.5	1.3	1.1	1.2	4.8	1.3
22	1.1	e1.0	1.1	.92	1.4	1.5	1.5	1.3	2.0	3.1	1.5	1.3
23	1.1	e1.0	1.1	.87	1.3	1.5	1.6	1.4	1.1	1.2	1.2	1.3
24	1.1	e1.0	1.5	1.2	1.3	1.5	1.6	1.3	.95	9.6	1.2	1.3
25	1.2	e1.0	1.0	4.1	1.3	1.5	1.5	2.5	1.1	2.3	1.2	1.3
26	1.2	e9.0	.95	.85	1.4	2.1	1.6	1.3	1.1	1.2	1.2	1.3
27	1.2	e3.0	.95	.85	1.6	1.3	1.6	1.2	1.1	1.4	1.2	1.3
28	e1.5	e2.0	.95	2.2	1.6	1.3	4.8	1.2	1.2	1.8	1.3	2.8
29	e1.2	e1.6	.95	.95	---	2.2	1.5	1.2	1.2	1.3	1.2	3.1
30	e1.5	e1.5	.95	.95	---	1.5	1.5	1.2	1.2	1.3	1.2	1.4
31	e1.2	---	.95	.96	---	7.0	---	1.2	---	1.3	1.2	---
TOTAL	90.1	45.1	71.32	36.60	44.7	56.7	56.2	47.0	39.55	50.15	53.7	40.9
MEAN	2.91	1.50	2.30	1.18	1.60	1.83	1.87	1.52	1.32	1.62	1.73	1.36
MAX	44	9.0	15	4.1	6.3	7.0	4.8	3.0	3.0	9.6	6.8	3.1
MIN	1.1	1.0	.75	.85	1.1	1.2	1.3	1.2	.95	.95	1.2	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

MEAN	1.55	1.29	1.73	1.48	1.40	1.46	1.43	1.27	1.07	1.30	1.32	1.32
MAX	2.91	1.50	2.30	1.91	1.89	1.83	1.87	1.52	1.32	1.62	1.73	1.41
(WY)	1997	1997	1997	1994	1995	1997	1997	1997	1997	1997	1997	1996
MIN	.97	.98	1.02	1.18	.93	1.07	1.04	.98	.94	.93	.95	1.10
(WY)	1995	1994	1996	1997	1996	1995	1995	1995	1995	1993	1995	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1993 - 1997	
ANNUAL TOTAL	557.44		632.02			
ANNUAL MEAN	1.52		1.73		1.40	
HIGHEST ANNUAL MEAN					1.73	1997
LOWEST ANNUAL MEAN					1.26	1996
HIGHEST DAILY MEAN	44	Oct 19	44	Oct 19	44	Oct 19 1996
LOWEST DAILY MEAN	.66	Many days	.75	Dec 13	.66	Many days
ANNUAL SEVEN-DAY MINIMUM	.74	Mar 8	.86	Jan 17	.73	Sep 27 1995
INSTANTANEOUS PEAK FLOW			354[a]	Oct 19	354[a]	Oct 19 1996
INSTANTANEOUS PEAK STAGE			6.17[b]	Oct 19	6.17[b]	Oct 19 1996
INSTANTANEOUS LOW FLOW			.66	Dec 13	.66	Many days
10 PERCENT EXCEEDS	2.1		2.2		1.9	
50 PERCENT EXCEEDS	1.1		1.3		1.0	
90 PERCENT EXCEEDS	78		.96		.85	

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

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.

DRAINAGE AREA.—About 11 mi^2.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.8	20	3.7	6.5	5.6	18	11	4.7	3.9	3.8	4.5
2	3.5	3.7	63	3.8	5.1	5.0	10	6.3	10	3.9	3.8	4.2
3	3.2	3.7	16	3.8	4.9	6.6	7.6	14	5.7	4.0	3.7	4.4
4	3.1	3.6	11	3.7	5.2	6.9	6.4	6.6	5.0	3.8	6.2	4.8
5	3.1	3.6	6.8	3.7	32	5.8	5.6	5.8	4.6	3.8	7.6	4.4
6	3.1	3.6	43	3.7	9.2	6.9	5.2	8.3	4.5	3.7	5.4	4.3
7	3.2	3.7	50	3.7	7.1	5.0	4.9	5.6	4.5	5.1	4.9	4.7
8	39	5.6	42	3.6	6.5	4.7	4.6	5.3	4.5	3.9	4.4	4.4
9	13	16	15	3.8	6.3	4.7	4.5	8.1	4.5	9.7	4.0	4.7
10	10	5.3	9.3	4.6	5.5	9.6	4.5	5.2	4.5	4.5	3.8	4.2
11	6.2	4.5	7.4	4.0	5.3	5.3	4.5	4.9	4.6	4.0	4.0	15
12	4.9	4.0	6.2	3.7	5.2	5.0	16	4.9	4.5	3.8	3.9	5.3
13	4.0	3.9	5.4	3.7	4.9	4.7	9.9	4.7	13	3.8	6.2	4.9
14	3.5	3.7	11	3.7	16	21	6.2	4.7	5.0	3.8	4.1	5.0
15	3.2	3.6	5.6	3.7	9.1	12	5.5	4.7	4.5	3.8	4.1	4.5
16	3.1	3.6	4.9	20	6.1	6.9	5.0	4.7	4.5	3.8	8.9	4.5
17	3.1	3.6	9.0	5.5	5.6	6.2	6.1	4.7	4.6	3.8	8.1	4.4
18	3.2	3.6	5.3	4.6	5.2	5.7	11	4.5	5.1	6.2	11	4.3
19	88	3.9	9.4	4.2	5.2	5.3	7.6	8.8	8.9	4.0	4.4	4.3
20	32	3.6	5.4	4.2	5.2	5.6	5.9	7.1	4.2	3.7	4.9	4.4
21	29	3.6	4.5	3.9	5.0	5.0	5.5	5.0	4.1	3.7	21	4.2
22	12	3.6	4.3	4.0	5.3	5.1	5.1	4.8	8.4	15	6.6	4.2
23	7.7	3.6	4.2	4.2	4.6	4.7	4.8	4.7	4.4	4.0	5.8	4.2
24	5.7	3.6	6.8	5.1	4.5	4.6	5.0	4.7	4.2	38	5.3	4.2
25	4.8	3.6	5.4	29	4.6	4.7	4.6	14	4.0	12	4.5	4.2
26	4.3	36	4.2	7.1	4.8	11	4.5	6.0	4.0	7.7	4.3	4.2
27	4.1	8.6	4.2	5.8	4.8	5.2	4.5	5.1	3.9	6.3	4.4	4.2
28	5.4	6.7	4.0	16	4.5	5.0	20	4.8	3.9	5.5	5.4	5.7
29	4.1	5.5	4.1	6.8	---	9.1	7.8	4.7	3.9	4.3	5.5	12
30	5.3	4.8	3.9	5.5	---	5.6	7.4	4.7	3.9	3.9	5.3	4.6
31	4.3	---	3.8	5.3	---	45	---	4.7	---	3.9	4.2	---
TOTAL	322.3	170.2	395.1	188.1	194.2	243.5	218.2	193.1	156.1	191.3	179.5	152.9
MEAN	10.4	5.67	12.7	6.07	6.94	7.85	7.27	6.23	5.20	6.17	5.79	5.10
MAX	88	36	63	29	32	45	20	14	13	38	21	15
MIN	3.1	3.6	3.8	3.6	4.5	4.6	4.5	4.5	3.9	3.7	3.7	4.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	6.41	6.98	7.22	7.62	7.72	8.40	8.14	7.43	6.68	6.86	7.28	6.69
MAX	11.7	15.4	12.7	29.8	16.2	14.7	23.5	21.2	16.0	19.1	20.5	13.7
(WY)	1990	1978	1997	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997	
ANNUAL TOTAL	2607.6		2604.5			
ANNUAL MEAN	7.12		7.14		7.28	
HIGHEST ANNUAL MEAN					12.8	1979
LOWEST ANNUAL MEAN					4.22	1966
HIGHEST DAILY MEAN	88	Oct 19	88	Oct 18	455	Jan 21 1979
LOWEST DAILY MEAN	3.1[a]	Sep 2	3.1[b]	Oct 4	2.2	Oct 8 1967
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 28	3.2	Ocy 1	2.3	Oct 2 1967
INSTANTANEOUS PEAK FLOW			431[c]	Oct 19	728[c]	Sep 12 1960
INSTANTANEOUS PEAK STAGE			4.99	Oct 19	7.12	Sep 12 1960
INSTANTANEOUS LOW FLOW			3.1	Many days	2.1	Oct 15 1967
10 PERCENT EXCEEDS	12		11		11	
50 PERCENT EXCEEDS	4.1		4.8		5.8	
90 PERCENT EXCEEDS	3.3		3.7		3.5	

a Also occurred on Sep 2, 10, 15, Oct 4-6, 16, 17.
b Also occurred on Oct 4-6, 16-17.
c From rating curve extended above 110 ft^3/s on basis of step-back water method.

01303000 MILL NECK CREEK AT MILL NECK, NY

LOCATION.—Lat 40°53′15″, long 73°33′15″, 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.

DRAINAGE AREA.—About 11.5 mi^2.

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.

REMARKS.—Records good except those for estimated daily discharges, which are poor. Slight regulation by ponds above station.

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)
Oct. 9	0030	34	0.68	Dec. 6	1230	35	0.70
Oct. 19	unknown	*50e	*2.20[a]	Dec. 7	2400	35	.69
Dec. 2	0730	43	.79				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	6.7	10	8.2	8.5	7.8	19	7.7	6.9	5.7	5.5	5.9
2	6.4	6.7	30	8.5	8.2	8.4	11	9.7	8.0	5.7	5.5	6.0
3	5.9	6.5	16	8.8	8.0	8.4	8.4	11	9.0	6.3	5.5	5.8
4	5.3	6.5	11	8.8	7.9	9.7	7.4	9.6	7.6	5.8	5.7	5.4
5	5.3	6.8	9.3	8.8	17	9.1	7.1	8.1	7.1	5.5	7.7	5.5
6	5.5	7.1	24	8.3	13	9.2	7.2	7.9	6.7	5.5	7.4	5.5
7	5.6	7.4	19	7.9	9.4	8.1	7.1	7.4	6.7	5.7	6.7	5.8
8	11	9.0	26	8.4	8.5	7.8	6.5	6.6	6.7	6.3	6.3	5.9
9	22	13	14	10	8.3	7.5	6.1	7.8	6.6	6.6	6.2	5.8
10	11	10	10	9.4	8.0	9.7	6.2	7.6	6.5	8.1	5.8	5.9
11	7.3	7.7	8.8	8.8	7.9	9.4	6.4	7.1	6.4	6.8	5.7	7.3
12	6.1	6.8	9.3	7.6	7.8	8.0	8.3	6.8	6.4	6.0	5.6	11
13	5.9	6.7	10	9.4	7.5	7.1	13	6.7	7.8	5.7	6.5	7.7
14	5.6	6.6	12	8.0	11	9.4	8.5	6.7	9.7	5.4	6.7	6.5
15	5.1	6.5	11	7.4	12	14	7.3	6.6	7.8	5.4	6.2	6.0
16	5.4	6.6	9.4	13	9.6	9.3	7.0	6.4	6.8	5.4	6.0	5.9
17	5.4	6.7	10	12	8.5	8.0	7.1	6.3	6.6	5.4	12	5.9
18	5.6	6.7	10	12	8.1	7.4	9.4	6.3	6.9	6.5	11	5.9
19	e20	7.3	10	8.3	7.8	7.2	9.8	6.8	11	7.7	8.7	5.8
20	e40	6.9	9.6	7.3	7.4	7.6	8.3	8.7	8.8	6.5	7.3	5.8
21	23	6.6	8.2	7.1	7.7	7.6	7.4	7.1	7.5	6.1	e15	5.5
22	13	6.4	8.0	7.3	7.8	7.4	7.1	6.3	7.3	11	e10	5.5
23	9.3	6.5	8.0	8.0	7.5	7.0	6.9	6.2	8.0	8.7	8.7	5.7
24	8.1	6.5	8.4	7.6	7.2	6.8	7.0	6.2	7.1	15	7.0	5.7
25	7.3	6.7	9.2	16	7.1	7.0	6.8	8.1	7.0	23	6.3	5.9
26	7.0	20	8.1	11	7.5	9.1	6.6	11	6.7	11	5.9	5.8
27	6.8	13	8.0	8.4	8.1	8.6	6.4	8.0	6.4	7.8	5.9	5.5
28	7.4	8.8	8.1	11	7.6	7.6	12	7.1	6.2	6.7	6.3	5.8
29	7.2	7.7	8.5	9.9	---	7.9	10	6.7	5.9	6.0	6.6	8.3
30	7.3	7.2	8.3	8.1	---	8.6	8.0	6.8	5.8	5.7	6.3	6.7
31	7.0	---	8.1	7.6	---	18	---	7.0	---	5.5	6.0	---
TOTAL	293.9	237.6	360.3	282.9	244.9	268.7	249.3	232.3	217.9	228.5	222.0	185.7
MEAN	9.48	7.92	11.6	9.13	8.75	8.67	8.31	7.49	7.26	7.37	7.16	6.19
MAX	40	20	30	16	17	18	19	11	11	23	15	11
MIN	5.1	6.4	8.0	7.1	7.1	6.8	6.1	6.2	5.8	5.4	5.5	5.4

a Result of high tide.
e Estimated.

01303000 MILL NECK CREEK AT MILL NECK, NY—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

MEAN	8.32	9.16	9.25	9.16	9.31	9.92	9.67	9.16	8.48	8.40	8.52	8.29
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

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	2881.6		3024.0			
ANNUAL MEAN	7.87		8.28		8.97	
HIGHEST ANNUAL MEAN					12.1	1984
LOWEST ANNUAL MEAN					5.59	1966
HIGHEST DAILY MEAN	40	Oct 20	40	Oct 20	105	Aug 12 1955
LOWEST DAILY MEAN	e4.5[a]	Sep 6	5.1	Oct 15	3.0[b]	May 24 1995
ANNUAL SEVEN-DAY MINIMUM	4.7	Sep 5	5.6	Oct 12	3.7	Oct 7 1966
INSTANTANEOUS PEAK FLOW			50e	Oct 19	137[c]	Sep 12 1960
INSTANTANEOUS PEAK STAGE			2.20[d]	Oct 19	4.85[f]	Sep 21 1938
INSTANTANEOUS LOW FLOW			3.1	Jun 26	.09[g]	Dec 11 1941
10 PERCENT EXCEEDS	10		11		12	
50 PERCENT EXCEEDS	7.0		7.4		8.4	
90 PERCENT EXCEEDS	5.8		5.8		5.8	

a Also occurred on Sep 7, 8.
b Also occurred on May 25, 1995.
c From rating curve extended above 70 ft^3/s.
d Result of high tide.
e Estimated.
f From hurricane wave.
g Result of freezeup.

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

LOCATION.—Lat 40°51′26″, long 73°27′15″, 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.

DRAINAGE AREA.—About 7.3 mi^2.

PERIOD OF RECORD.—July 1950 to current year.

REVISED RECORDS.—WDR NY-81-2: 1954 (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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	.99	1.8	1.3	1.9	1.8	5.4	2.3	2.0	1.7	1.4	1.6
2	.86	1.0	9.9	1.4	2.0	1.8	3.1	2.7	2.8	1.7	1.4	1.6
3	.79	.98	3.8	1.4	1.8	1.9	2.4	3.0	2.8	2.1	1.4	1.4
4	.65	.96	2.3	1.4	1.8	2.4	2.2	3.0	2.4	1.9	1.6	1.3
5	.65	.90	1.9	1.4	4.0	2.1	2.2	2.4	2.2	1.8	2.7	1.3
6	.70	.88	4.2	1.5	3.4	2.2	2.2	2.4	2.0	1.6	2.8	1.3
7	.74	1.1	4.8	1.3	2.4	1.9	2.2	2.2	1.8	1.6	2.4	1.5
8	1.9	1.6	8.5	1.3	2.2	1.8	2.0	2.2	1.8	1.7	2.4	1.6
9	6.6	3.5	4.0	1.3	2.2	1.6	1.8	2.5	1.8	1.6	2.4	1.6
10	2.8	2.5	2.4	1.6	2.0	2.2	1.8	2.4	1.9	1.8	2.4	1.6
11	1.7	1.7	2.0	1.6	1.8	2.2	1.8	2.2	1.8	1.8	2.3	1.7
12	1.2	1.2	2.0	1.4	2.0	2.0	2.3	2.1	1.8	1.6	2.2	2.2
13	1.0	1.1	1.8	1.3	1.9	1.7	4.0	2.0	2.0	1.6	2.2	1.9
14	.99	1.1	2.0	1.3	2.6	2.3	2.8	2.0	2.3	1.5	2.2	1.6
15	.90	.98	1.8	1.3	3.1	3.7	2.2	2.0	2.0	1.4	2.2	1.6
16	.92	.98	1.8	2.7	2.5	2.6	2.1	2.0	1.8	1.4	2.0	1.6
17	.98	1.0	2.1	2.8	2.1	2.1	2.1	2.0	1.5	1.4	2.2	1.6
18	.98	.98	2.2	1.9	1.9	2.0	2.7	2.0	1.6	1.6	3.0	1.6
19	4.8	1.1	2.1	1.7	1.8	2.0	3.2	2.2	2.0	2.2	2.4	1.6
20	9.0	1.1	2.2	1.6	1.8	2.0	2.7	2.5	2.0	2.2	2.2	1.6
21	3.5	1.1	1.9	1.4	1.8	2.1	2.3	2.2	1.8	2.3	5.4	1.4
22	2.2	.98	1.6	1.5	1.9	2.1	2.3	2.0	2.1	7.1	3.7	1.4
23	1.4	.98	1.5	1.6	1.8	1.8	2.0	2.0	2.4	3.4	2.5	1.5
24	1.1	.98	1.6	2.1	1.7	1.8	2.0	2.1	2.1	4.9	2.1	1.6
25	1.1	1.1	1.9	4.8	1.6	1.8	2.0	2.5	2.0	5.5	1.9	1.6
26	1.1	3.2	1.6	3.0	1.6	2.4	2.0	3.1	2.0	2.8	1.8	1.4
27	1.1	2.8	1.6	2.0	1.8	2.3	1.9	2.4	1.8	2.1	1.8	1.4
28	1.1	1.8	1.5	2.5	1.8	2.1	3.4	2.0	1.5	1.8	1.8	1.4
29	1.1	1.3	1.6	2.4	---	2.1	3.2	1.8	1.6	1.6	1.8	2.1
30	1.3	1.2	1.4	1.9	---	2.3	2.5	1.8	1.6	1.4	1.8	1.9
31	1.2	---	1.4	1.7	---	4.2	---	1.9	---	1.3	1.8	---
TOTAL	55.31	41.09	81.2	56.4	59.2	67.3	74.8	69.9	59.2	68.4	70.2	47.5
MEAN	1.78	1.37	2.62	1.82	2.11	2.17	2.49	2.25	1.97	2.21	2.26	1.58
MAX	9.0	3.5	9.9	4.8	4.0	4.2	5.4	3.1	2.8	7.1	5.4	2.2
MIN	.65	.88	1.4	1.3	1.6	1.6	1.8	1.8	1.5	1.3	1.4	1.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)

MEAN	2.41	2.59	2.57	2.75	2.83	2.84	2.85	2.68	2.55	2.53	2.62	2.42
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	.30	.29	.27	.29	.46	.45	.41	.67	.63	.59	.63
(WY)	1966	1967	1967	1967	1967	1967	1966	1967	1967	1968	1988	1965

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

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1950 - 1997	
ANNUAL TOTAL	543.03		750.50			
ANNUAL MEAN	1.48		2.06		2.64	
HIGHEST ANNUAL MEAN					6.32	1979
LOWEST ANNUAL MEAN					.51	1967
HIGHEST DAILY MEAN	12	Apr 16	9.9	Dec 2	53	Jan 21 1979
LOWEST DAILY MEAN	.65	Mar 28	.65[a]	Oct 4	.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	.72	Aug 17	.76	Oct 1	.22	Dec 3 1983
INSTANTANEOUS PEAK FLOW			20	Oct 19	181[b]	Jan 21 1979
INSTANTANEOUS PEAK STAGE			2.00[c]	Oct 19	5.34[d]	Aug 31 1954
INSTANTANEOUS LOW FLOW			.65[f]	Oct 4	.20[g]	Jan 24 1967
10 PERCENT EXCEEDS	2.2		2.8		4.3	
50 PERCENT EXCEEDS	1.1		1.9		2.5	
90 PERCENT EXCEEDS	.75		1.1		.86	

a Also occurred on Oct 5.
b Result of regulation, from rating curve extended above 70 ft^3/s.
c Result of high tide.
d Backwater from high tide, from high water mark.
f Also occurred on Oct. 5-7.
g Also occurred on Jan 25, 26, 27, 1967.

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.

DRAINAGE AREA.—About 27 mi^2.

PERIOD OF RECORD.—October 1943 to current year.

REVISED RECORDS.—WSP1141: 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 outlet of New Mill Pond on main stream and ponds on tributaries above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	42	46	49	51	47	79	52	45	41	36	36
2	37	42	74	49	49	47	69	51	52	41	35	36
3	35	41	66	50	49	47	59	54	57	41	35	35
4	34	40	55	50	48	51	55	54	51	41	35	34
5	34	40	51	49	65	50	53	51	48	39	51	34
6	35	40	63	49	64	50	52	50	47	38	45	35
7	35	40	64	49	56	48	52	49	46	38	40	35
8	45	44	79	47	55	47	51	48	45	38	37	36
9	69	57	67	47	54	47	51	50	45	39	36	35
10	56	65	57	50	53	51	49	50	44	39	36	35
11	46	54	54	50	51	51	49	49	44	38	35	37
12	41	46	54	49	51	48	53	48	44	38	35	37
13	39	43	52	47	50	47	67	48	46	37	36	35
14	38	42	52	47	58	51	59	48	46	37	37	35
15	37	41	55	47	63	70	54	48	44	37	36	34
16	37	40	51	58	57	60	52	48	44	37	35	34
17	36	40	56	61	54	53	51	47	44	37	35	34
18	36	39	60	53	52	50	54	47	44	37	38	34
19	57	39	61	49	51	49	63	47	46	40	37	34
20	90	39	60	48	48	50	58	47	44	38	36	33
21	57	40	56	47	48	49	53	47	43	37	62	33
22	53	40	63	48	48	49	51	47	52	39	55	33
23	49	40	69	51	48	47	50	47	61	38	45	33
24	48	39	59	49	48	47	50	47	51	41	40	33
25	45	39	57	62	47	47	49	50	46	45	38	33
26	44	58	54	57	47	50	48	54	46	42	37	33
27	44	57	54	52	48	50	48	50	48	39	36	33
28	43	49	54	57	47	49	61	47	44	38	37	34
29	43	45	52	56	---	50	61	47	43	36	40	41
30	42	43	50	53	---	55	55	46	41	36	38	38
31	42	---	50	51	---	67	---	45	---	36	37	---
TOTAL	1384	1324	1795	1581	1460	1574	1656	1513	1401	1198	1211	1042
MEAN	44.6	44.1	57.9	51.0	52.1	50.8	55.2	48.8	46.7	38.6	39.1	34.7
MAX	90	65	79	62	65	70	79	54	61	45	62	41
MIN	34	39	46	47	47	47	48	45	41	36	35	33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	38.6	40.6	42.5	43.7	44.7	46.8	48.1	45.9	42.9	39.9	39.5	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997	
ANNUAL TOTAL	15817		17139			
ANNUAL MEAN	43.2		47.0		42.6	
HIGHEST ANNUAL MEAN					58.9	1991
LOWEST ANNUAL MEAN					27.0	1966
HIGHEST DAILY MEAN	96	Apr 17	90	Oct 20	334	Jan 22 1979
LOWEST DAILY MEAN	30	Jan 1	33[a]	Sep 20	19	Jun 6 1967
ANNUAL SEVEN-DAY MINIMUM	31	Jan 1	33	Sep 20	21	Jul 31 1966
INSTANTANEOUS PEAK FLOW			109	Oct 19	952[b]	Jan 22 1979
INSTANTANEOUS PEAK STAGE			1.08	Oct 19	3.22	Jan 22 1979
INSTANTANEOUS LOW FLOW			33[c]	Oct 3	16[d]	Jun 5 1967
10 PERCENT EXCEEDS	56		58		56	
50 PERCENT EXCEEDS	40		47		41	
90 PERCENT EXCEEDS	34		36		31	

a Also occurred on Sep 21-27.
b Result of dam failure, from rating curve extended above 600 ft^3/s.
c Also occurred on Oct 4-7, Sep 4,5,15-28.
d Also occurred on Jun 6 1967.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	44	39	61	64	45	57	52	40	26	22	20
2	24	43	48	60	62	45	57	53	41	26	22	20
3	23	41	49	60	61	44	55	61	44	27	20	19
4	21	40	49	59	60	46	54	61	44	27	19	19
5	21	40	48	58	60	47	54	47	43	26	20	19
6	20	38	54	58	58	46	54	48	43	25	21	19
7	20	40	60	55	58	44	54	45	40	24	21	19
8	22	40	70	52	56	44	62	44	38	24	20	19
9	36	49	68	52	56	43	54	48	39	24	20	19
10	35	51	66	54	56	55	51	49	40	23	20	19
11	34	50	66	55	55	55	49	49	40	23	20	19
12	32	48	66	54	56	42	48	48	40	23	19	21
13	31	46	64	53	56	40	56	47	40	22	19	20
14	30	44	64	52	56	37	53	47	39	21	20	20
15	28	42	64	50	59	45	52	45	36	21	20	19
16	27	42	64	55	58	45	51	45	35	22	20	19
17	26	41	68	58	57	45	50	44	35	21	19	18
18	25	40	70	56	55	45	52	43	35	21	20	18
19	34	39	73	56	54	45	54	42	35	22	21	18
20	66	38	78	54	53	47	53	43	35	21	20	18
21	65	38	74	53	52	47	52	42	34	21	23	17
22	62	37	71	51	52	45	49	41	32	23	24	17
23	59	37	69	54	51	45	47	40	32	23	24	17
24	57	36	68	53	49	43	49	40	31	25	23	17
25	55	35	68	60	49	42	49	42	31	29	22	17
26	53	40	66	62	47	43	49	44	30	29	21	17
27	50	42	66	60	47	43	49	43	29	28	21	17
28	49	40	65	63	45	42	53	43	28	28	20	17
29	48	39	64	64	---	41	50	43	28	26	20	18
30	47	38	64	64	---	42	50	43	27	24	20	20
31	46	---	62	63	---	47	---	42	---	23	20	---
TOTAL	1171	1238	1965	1759	1542	1385	1567	1424	1084	748	641	556
MEAN	37.8	41.3	63.4	56.7	55.1	44.7	52.2	45.9	36.1	24.1	20.7	18.5
MAX	66	51	78	64	64	55	62	61	44	29	24	21
MIN	20	35	39	50	45	37	47	40	27	21	19	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1997, BY WATER YEAR (WY)

MEAN	26.5	30.7	34.9	39.0	42.3	47.8	51.0	46.0	39.7	30.1	28.4	25.3
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

01304500 PECONIC RIVER AT RIVERHEAD, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1942 - 1997	
ANNUAL TOTAL	12908		15080			
ANNUAL MEAN	35.3		41.3		36.8	
HIGHEST ANNUAL MEAN					67.9	1984
LOWEST ANNUAL MEAN					16.1	1966
HIGHEST DAILY MEAN	78	Dec 20	78	Dec 20	173	Jan 27 1979
LOWEST DAILY MEAN	18	Sep 1	17[a]	Sep 21	3.7	Aug 2 1944
ANNUAL SEVEN-DAY MINIMUM	18	Sep 1	17	Sep 2	5.8	Aug 9 1966
INSTANTANEOUS PEAK FLOW			98	Mar 10	225[b]	Jan 30 1978
INSTANTANEOUS PEAK STAGE			.82	Mar 10	2.33[c]	Dec 11 1992
INSTANTANEOUS LOW FLOW			16	Sep 28	1.4[d]	Jan 9 1966
10 PERCENT EXCEEDS	52		61		62	
50 PERCENT EXCEEDS	33		43		32	
90 PERCENT EXCEEDS	21		20		17	

a Also occurred on Sep 22-28.
b Result of regulation.
c Backwater from high tide.
d Also occurred on Jan 31 1967, Dec 6 1969, Jan 27 1972, and Dec 10, 11, 1997. Result of freeze ups.

WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1966 to current year.

PERIOD OF DAILY RECORDS.—
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 1996 TO SEPTEMBER 1997

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAR 17...	1305	45	107	5.9	5.5	769	11.8	5.7	1.9

DATE	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
MAR 17...	9.3	1.3	12	12	15	<0.10	4.4	0.004	0.38

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
MAR 17...	0.04	<0.2	0.038	0.010	470	270	70	69	0.04

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.

DRAINAGE AREA.—About 71 mi^2.

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.—Records good except those for estimated daily discharges, which are poor. Some regulation by two lakes above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	22	22	28	26	25	e35	e30	e26	23	21	20
2	17	22	30	28	26	26	e32	e30	e27	23	20	20
3	17	21	26	28	26	26	e30	e30	e30	23	20	20
4	17	22	24	28	25	27	e29	e31	e27	23	20	19
5	17	23	24	28	27	26	e28	e31	e26	23	23	19
6	17	23	31	28	27	27	e28	e30	e26	23	23	19
7	17	23	31	27	26	25	e28	e30	e25	25	22	19
8	20	22	35	27	25	25	e27	e29	e25	22	21	19
9	26	27	29	27	25	25	e26	e29	e25	22	21	19
10	21	25	27	28	25	27	e26	e28	e24	22	20	19
11	19	23	27	28	27	27	e26	e28	24	22	20	20
12	18	22	27	27	26	26	e29	e27	24	20	20	21
13	18	22	26	26	25	26	e35	e27	24	21	21	20
14	17	22	27	26	28	26	e32	e27	25	21	22	19
15	17	22	28	26	29	32	e30	e27	24	22	21	19
16	17	22	27	30	27	28	e28	e27	24	21	20	19
17	17	22	31	30	26	27	e28	e27	24	21	20	19
18	17	22	31	27	26	26	e28	e26	24	22	21	19
19	26	22	33	26	26	26	e33	e26	e24	25	21	19
20	40	22	32	26	25	26	e31	e26	e24	22	20	19
21	28	21	29	25	25	26	e30	e26	e24	22	25	19
22	25	22	29	25	25	26	e29	e26	e25	24	23	18
23	23	21	29	28	25	26	e28	e26	e28	23	22	18
24	23	21	29	26	25	25	e27	e26	e26	23	21	18
25	23	21	31	30	25	25	e26	e27	e25	25	20	18
26	22	25	29	28	25	e26	e26	e29	e24	24	20	18
27	22	24	29	26	26	e26	e26	e28	e25	23	20	18
28	23	22	28	29	25	e25	e35	e27	e24	22	20	18
29	22	22	28	28	---	e25	e32	e27	e23	22	21	21
30	22	22	28	26	---	e27	e30	e26	e23	22	21	20
31	23	---	28	26	---	e30	---	e26	---	21	20	---
TOTAL	648	672	885	846	724	816	878	860	749	697	650	573
MEAN	20.9	22.4	28.5	27.3	25.9	26.3	29.3	27.7	25.0	22.5	21.0	19.1
MAX	40	27	35	30	29	32	35	31	30	25	25	21
MIN	17	21	22	25	25	25	26	26	23	20	20	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1997, BY WATER YEAR (WY)

MEAN	21.8	22.2	22.7	23.5	24.6	25.8	26.9	26.3	25.0	23.3	22.9	21.9
MAX	38.6	38.1	35.0	42.6	44.0	45.4	42.5	41.8	49.2	46.6	40.9	38.8
(WY)	1980	1956	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

e Estimated.

01305000 CARMANS RIVER AT YAPHANK, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1942 - 1997	
ANNUAL TOTAL	7100.0		8998			
ANNUAL MEAN	19.4		24.7		23.9	
HIGHEST ANNUAL MEAN					37.7	1979
LOWEST ANNUAL MEAN					12.9	1967
HIGHEST DAILY MEAN	40	Oct 20	40	Oct 20	84	Jan 26 1978
LOWEST DAILY MEAN	9.0	Aug 22	17[a]	Oct 1	6.2[b,c]	Feb 28 1967
ANNUAL SEVEN-DAY MINIMUM	13	Jan 1	17	Oct 1	7.4	Feb 25 1967
INSTANTANEOUS PEAK FLOW			55	Oct 19	143[d]	Aug 11 1989
INSTANTANEOUS PEAK STAGE			1.59	Oct 19	2.09	Aug 11 1989
INSTANTANEOUS LOW FLOW			16[f]	Oct 7	2.8[c]	Feb 24 1967
10 PERCENT EXCEEDS	26		29		34	
50 PERCENT EXCEEDS	18		25		23	
90 PERCENT EXCEEDS	16		19		16	

a Also occurred on Oct 2-7,14-18.
b Also occurred on Mar 3 1967.
c Result of temporary construction upstream.
d From rating curve extended above 80 ft^3/s.
f Also occurred on Oct 8.

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.

DRAINAGE AREA.—About 8.6 mi^2.

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.—Records fair except those for estimated daily discharges, which are poor. Flow regulated at outlet of Swan Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	13	12	15	14	15	13	14	e13	e12	4.1	7.3
2	10	12	17	15	14	15	13	14	e15	12	2.7	7.6
3	11	12	14	15	14	15	13	14	e17	12	7.0	8.1
4	11	12	14	15	14	15	13	14	e15	12	12	8.1
5	10	12	14	15	16	15	13	14	e14	12	12	8.1
6	11	13	19	15	15	15	13	14	e14	12	12	8.1
7	11	12	18	15	14	15	13	14	e13	12	11	8.1
8	13	13	17	15	14	15	13	14	e13	12	10	8.1
9	16	14	15	15	14	15	13	14	e13	12	8.6	8.3
10	13	13	14	15	14	16	13	14	e13	12	4.1	8.1
11	12	13	15	15	14	16	13	13	e13	12	4.8	8.3
12	12	13	14	15	14	15	14	14	e13	12	8.9	8.1
13	12	12	15	14	14	15	14	13	e13	12	10	8.1
14	12	12	15	14	16	16	13	13	e13	12	8.3	8.1
15	12	13	15	14	15	15	13	13	e12	11	7.4	8.1
16	12	13	15	17	15	13	13	13	e12	12	7.0	8.0
17	12	13	17	15	14	13	13	13	e12	11	6.5	8.0
18	12	13	16	15	14	13	14	13	e12	11	7.6	7.8
19	19	13	17	14	14	13	14	13	e12	12	6.7	8.3
20	18	13	16	14	14	13	14	13	e12	11	6.6	8.1
21	14	13	15	14	14	13	14	13	e12	11	12	8.1
22	13	13	15	14	14	13	14	13	e13	12	8.6	8.1
23	13	13	15	15	14	13	14	13	e15	11	7.5	8.1
24	13	13	15	14	14	13	14	e13	e13	11	7.2	8.1
25	13	13	16	16	14	13	15	e14	e13	12	7.0	8.1
26	12	15	15	15	14	13	15	e15	e12	11	6.6	8.3
27	12	14	15	14	14	13	15	e14	e13	10	6.9	8.1
28	12	13	15	15	14	13	23	e13	e12	9.8	6.9	8.2
29	12	13	15	15	---	13	15	e13	e12	9.3	7.9	8.6
30	13	13	15	14	---	13	15	e13	e12	8.4	7.4	8.1
31	13	---	15	14	---	16	---	e13	---	7.7	7.2	---
TOTAL	389	387	475	457	399	439	419	418	391	349.2	242.5	242.6
MEAN	12.5	12.9	15.3	14.7	14.3	14.2	14.0	13.5	13.0	11.3	7.82	8.09
MAX	19	15	19	17	16	16	23	15	17	12	12	8.6
MIN	10	12	12	14	14	13	13	13	12	7.7	2.7	7.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1997, BY WATER YEAR (WY)

MEAN	11.2	11.4	11.7	12.2	12.6	13.3	14.0	13.8	13.1	12.1	11.7	11.1
MAX	17.3	18.0	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1947 - 1997	
ANNUAL TOTAL	4077.9		4608.3			
ANNUAL MEAN	11.1		12.6		12.4	
HIGHEST ANNUAL MEAN					18.5	1984
LOWEST ANNUAL MEAN					8.59	1995
HIGHEST DAILY MEAN	19	Oct 19	23	Apr 28	40	Jan 26 1978
LOWEST DAILY MEAN	7.5	Jan 11	2.7	Aug 2	2.7	Aug 2 1997
ANNUAL SEVEN-DAY MINIMUM	8.4	Jan 5	7.0	Jul 28	5.5	Aug 18 1995
INSTANTANEOUS PEAK FLOW			39	Oct 19	77[a]	Aug 24 1990
INSTANTANEOUS PEAK STAGE			2.01	Apr 28	2.71	Aug 24 1990
INSTANTANEOUS LOW FLOW			1.3	Aug 2	.06	Sep 2 1964
10 PERCENT EXCEEDS	14		15		16	
50 PERCENT EXCEEDS	10		13		12	
90 PERCENT EXCEEDS	9.8		8.1		8.9	

a From rating curve extended above 55 ft^3/s.
e Estimated

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.—Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	4.8	5.2	7.8	7.5	7.3	12	10	8.1	5.9	4.1	4.3
2	3.3	4.6	9.9	7.9	7.1	7.5	11	10	9.5	5.9	4.1	4.4
3	3.3	4.5	7.7	8.0	6.9	7.4	10	10	10	5.8	4.0	4.2
4	3.2	4.4	7.1	7.6	6.7	7.8	9.8	10	8.5	5.7	4.1	4.1
5	3.2	4.4	6.8	7.5	9.9	7.7	9.3	9.6	7.9	5.5	5.6	4.0
6	3.2	4.3	11	7.5	8.6	9.5	9.2	9.6	7.6	5.5	4.9	3.8
7	3.2	4.2	11	7.2	7.9	8.2	9.1	9.5	7.4	5.3	4.7	3.7
8	4.5	4.5	14	7.0	7.7	7.8	8.8	9.2	7.2	5.3	4.7	3.7
9	5.3	5.5	11	7.1	7.6	7.6	8.5	9.8	7.0	5.2	4.5	3.4
10	4.3	4.8	10	7.6	7.5	8.9	8.3	9.6	6.9	5.3	4.3	3.4
11	4.0	4.6	10	7.2	7.3	8.5	8.3	9.3	6.7	5.1	4.3	3.7
12	3.9	4.4	9.7	6.8	7.2	7.9	9.2	9.2	6.5	4.9	4.3	3.5
13	3.9	4.2	9.3	6.6	6.9	7.6	12	9.1	6.4	4.8	4.8	3.3
14	3.8	4.2	9.5	6.6	8.2	8.5	9.7	9.0	6.4	4.7	4.7	3.2
15	3.6	4.0	9.5	6.4	8.3	11	9.0	9.0	6.0	4.5	4.5	3.0
16	3.5	3.9	9.0	9.0	7.5	9.2	8.8	8.9	5.8	4.4	4.5	2.9
17	3.5	3.9	11	8.2	7.3	8.8	8.9	8.8	5.6	4.4	4.3	2.9
18	3.4	4.0	10	7.3	7.1	8.8	9.6	8.6	5.7	5.0	4.6	2.8
19	7.6	3.9	11	6.9	7.1	8.5	12	8.7	6.0	5.5	4.4	2.7
20	9.4	3.9	11	6.8	7.0	8.6	10	8.9	5.8	4.8	4.2	2.6
21	7.9	3.8	9.2	6.7	6.9	8.5	9.6	8.6	5.6	3.9	6.9	2.6
22	6.7	3.7	8.6	6.8	7.0	8.5	9.4	8.4	7.2	4.7	5.6	2.5
23	6.3	3.7	8.6	7.3	6.6	8.0	9.2	8.2	8.9	4.7	5.3	2.6
24	6.1	3.6	8.9	6.6	6.6	7.6	9.3	8.2	7.6	5.2	5.1	2.5
25	5.6	3.5	9.2	8.9	6.4	7.4	9.0	9.4	7.2	5.8	4.9	2.5
26	5.3	e6.5	8.3	7.6	6.4	7.1	8.6	9.9	7.5	5.4	4.8	2.5
27	5.1	e5.5	8.7	7.0	6.6	6.8	8.5	8.7	8.4	4.9	4.8	2.5
28	5.1	e5.0	8.3	8.5	6.8	6.9	13	8.4	6.8	4.8	4.9	2.5
29	4.9	4.9	8.2	7.8	---	8.5	11	8.2	6.2	4.5	4.9	3.1
30	4.9	4.8	8.1	7.3	---	8.7	10	8.2	6.0	4.4	4.7	2.7
31	4.8	---	8.0	7.3	---	12	---	8.1	---	4.2	4.4	---
TOTAL	146.1	132.0	287.8	228.8	204.6	257.1	291.1	281.1	212.4	156.0	145.9	95.6
MEAN	4.71	4.40	9.28	7.38	7.31	8.29	9.70	9.07	7.08	5.03	4.71	3.19
MAX	9.4	6.5	14	9.0	9.9	12	13	10	10	5.9	6.9	4.4
MIN	3.2	3.5	5.2	6.4	6.4	6.8	8.3	8.1	5.6	3.9	4.0	2.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1997, BY WATER YEAR (WY)

MEAN	5.19	5.46	6.20	5.82	6.05	6.89	8.14	7.74	7.52	5.82	5.54	4.98
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1978 - 1997	
ANNUAL TOTAL	1675.75		2438.5			
ANNUAL MEAN	4.58		6.68		6.13	
HIGHEST ANNUAL MEAN					12.3	1984
LOWEST ANNUAL MEAN					2.17	1995
HIGHEST DAILY MEAN	14	Dec 8	14	Dec 8	27	Jun 2 1984
LOWEST DAILY MEAN	.95	Jan 11	2.5[a]	Sep 22	.30	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	1.3	Jan 5	2.5	Sep 22	.30	Sep 4 1995
INSTANTANEOUS PEAK FLOW			18	Oct 19	40	Aug 4 1979
INSTANTANEOUS PEAK STAGE			.95	Oct 19	1.56	Aug 4 1979
INSTANTANEOUS LOW FLOW			2.5[b]	Sep 20	.30[c]	Sep 3 1995
10 PERCENT EXCEEDS	7.0		9.6		12	
50 PERCENT EXCEEDS	4.0		6.9		5.1	
90 PERCENT EXCEEDS	2.9		3.7		2.0	

a Also occurred on Sep 24-28.
b Also occurred on Sep 21-28,30.
c Also occurred on all or part of each day Sep 4-17 1995.
e Estimated.

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 daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	22	22	30	29	26	41	33	27	24	17	19
2	20	21	37	30	28	27	38	33	29	24	17	19
3	20	20	31	30	27	27	34	32	33	24	17	19
4	20	20	30	30	27	27	33	33	31	23	16	19
5	20	20	28	30	35	27	32	33	29	21	21	19
6	20	20	41	30	33	29	31	33	28	21	20	18
7	19	20	43	30	33	29	31	32	27	20	19	18
8	24	21	50	30	30	28	31	32	27	20	18	19
9	32	26	35	30	29	27	30	32	27	20	17	19
10	25	25	33	29	28	29	30	31	27	20	17	19
11	25	23	32	29	28	30	30	30	27	19	17	20
12	25	23	32	28	27	29	31	30	27	17	17	20
13	25	22	32	27	27	28	39	30	27	17	20	20
14	21	22	32	27	30	29	34	30	27	17	21	19
15	20	22	31	27	33	34	32	30	26	17	19	17
16	20	22	31	30	30	32	32	30	26	17	18	17
17	20	22	32	30	29	32	32	30	26	17	18	16
18	20	22	31	28	29	32	32	30	25	19	19	16
19	29	22	32	28	29	30	38	28	26	23	19	16
20	43	22	31	28	28	29	34	29	26	20	18	16
21	33	22	30	28	27	29	33	29	26	18	32	16
22	31	21	30	27	27	29	32	28	27	21	25	16
23	31	21	30	27	27	28	32	28	30	20	23	16
24	31	21	30	27	27	27	31	27	27	19	22	16
25	26	21	31	32	27	27	31	29	26	22	22	16
26	23	e30	31	30	27	27	30	31	26	21	23	16
27	22	e24	31	29	27	27	29	30	26	20	22	16
28	22	e22	31	32	26	26	46	29	25	20	21	16
29	22	e22	31	31	---	27	41	29	24	18	21	18
30	22	21	31	30	---	28	35	29	24	18	20	16
31	22	---	30	30	---	35	---	28	---	17	20	---
TOTAL	753	662	1002	904	804	891	1005	938	809	614	616	527
MEAN	24.3	22.1	32.3	29.2	28.7	28.7	33.5	30.3	27.0	19.8	19.9	17.6
MAX	43	30	50	32	35	35	46	33	33	24	32	20
MIN	19	20	22	27	26	26	29	27	24	17	16	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1997, BY WATER YEAR (WY)

MEAN	23.1	24.6	27.8	27.9	28.2	30.4	32.6	30.3	29.4	24.7	24.2	22.1
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

e Estimated.

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1978 - 1997	
ANNUAL TOTAL	8879		9525			
ANNUAL MEAN	24.3		26.1		26.8	
HIGHEST ANNUAL MEAN					39.8	1979
LOWEST ANNUAL MEAN					15.5	1995
HIGHEST DAILY MEAN	50	Apr 16	50	Dec 8	85	Jan 21 1979
LOWEST DAILY MEAN	18	Jan 4	16[a]	Aug 4	11	Aug 7 1988
ANNUAL SEVEN-DAY MINIMUM	18	Aug 31	16	Sep 17	11	Aug 7 1988
INSTANTANEOUS PEAK FLOW			62[b]	Dec 7	154	Aug 19 1991
INSTANTANEOUS PEAK STAGE			2.98	Dec 7	2.98	Dec 7 1996
INSTANTANEOUS LOW FLOW			15	Sep 30	11[c]	Aug 7 1988
10 PERCENT EXCEEDS	31		32		40	
50 PERCENT EXCEEDS	23		27		26	
90 PERCENT EXCEEDS	19		18		16	

a Also occurred on Sep 17-28, 30.
b Also occurred on Apr 28.
c Also occurred on Aug 8-14, Sep 29 to Oct 2 1988(minimum recorded) and Aug 4,5,21 to Sep 17 1995.

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.

DRAINAGE AREA.—About 24 mi^2.

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 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 daily discharges, 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	35	39	40	e43	45	67	53	36	30	25	32
2	28	35	56	43	e42	45	61	50	41	32	27	31
3	28	32	48	44	e41	43	55	50	51	35	29	30
4	25	28	44	44	41	48	52	51	44	34	31	29
5	28	27	42	45	54	47	50	47	42	28	41	30
6	27	30	58	44	48	49	49	50	41	24	38	30
7	29	33	64	39	44	43	49	45	39	23	33	29
8	36	38	72	37	44	41	47	44	36	22	34	30
9	50	45	62	39	44	42	45	47	35	26	28	31
10	40	38	56	47	44	49	42	47	33	29	28	30
11	35	34	52	43	43	47	43	46	31	27	24	35
12	33	30	50	38	44	46	46	45	34	26	26	35
13	32	28	49	36	41	42	57	45	37	27	34	32
14	32	28	50	37	47	44	48	44	34	29	37	29
15	30	28	51	38	49	59	44	44	32	28	33	30
16	29	30	49	49	43	49	43	43	31	26	33	30
17	29	34	55	46	41	47	44	40	33	26	32	30
18	31	36	55	40	42	46	48	40	33	30	34	32
19	45	38	55	42	40	44	57	41	32	34	34	31
20	72	35	53	42	40	46	56	41	29	26	34	32
21	52	32	46	41	41	45	50	40	30	26	56	27
22	46	30	44	41	43	46	47	38	34	41	45	27
23	42	28	44	45	38	44	48	35	37	32	38	29
24	42	28	46	43	38	41	49	37	32	34	32	26
25	35	27	47	45	37	40	49	42	33	41	30	32
26	36	e41	41	44	38	45	44	46	32	37	30	32
27	36	e40	43	40	40	40	41	40	28	36	31	31
28	37	e36	42	e46	51	40	66	36	28	35	34	32
29	35	e34	44	e46	---	43	62	34	31	30	35	42
30	37	34	43	e44	---	45	52	34	29	27	34	39
31	38	---	40	e43	---	54	---	35	---	26	33	---
TOTAL	1121	992	1540	1311	1201	1405	1511	1330	1038	927	1033	935
MEAN	36.2	33.1	49.7	42.3	42.9	45.3	50.4	42.9	34.6	29.9	33.3	31.2
MAX	72	45	72	49	54	59	67	53	51	41	56	42
MIN	25	27	39	36	37	40	41	34	28	22	24	26
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)												
MEAN	33.7	36.1	38.4	39.2	40.4	43.4	44.3	42.1	39.8	35.8	34.6	32.8
MAX	65.3	67.4	55.2	65.1	62.3	70.3	69.7	62.4	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

e Estimated.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997	
ANNUAL TOTAL	13638		14344			
ANNUAL MEAN	37.3		39.3		38.4	
HIGHEST ANNUAL MEAN					52.5	1984
LOWEST ANNUAL MEAN					24.9	1966
HIGHEST DAILY MEAN	81	Apr 16	72[a]	Oct 20	263	Oct 16 1955
LOWEST DAILY MEAN	25	Jul 12	22	Jul 8	9.3[b]	Nov 25 1982
ANNUAL SEVEN-DAY MINIMUM	27	Sep 30	25	Jul 6	13	Nov 22 1982
INSTANTAN10 PERCENT EXCEEDS	48		50		52	
50 PERCENT EXCEEDS	35		40		37	
90 PERCENT EXCEEDS	30		28		27	

a Also occurred on Dec 8.
b Result of regulation.

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.

DRAINAGE AREA.—About 23 mi^2.

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

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

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

REMARKS.— No estimated daily discharges. Records fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.

EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 88 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 8	2200	107	1.73	Dec. 6	0915	100	1.64
Oct. 19	2015	*138	*2.12	Dec. 7	2230	115	1.83
Dec. 2	0530	125	1.95	Apr. 28	0915	111	1.86

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	11	5.0	7.7	8.1	6.7	22	11	8.5	5.6	3.2	4.0
2	6.5	11	35	7.6	7.1	6.8	14	10	29	5.5	3.1	4.0
3	6.2	10	11	7.4	6.6	7.3	12	12	16	6.0	3.0	4.0
4	5.4	9.4	8.8	6.6	6.2	8.0	11	11	11	5.8	2.8	4.1
5	5.2	9.2	7.7	6.6	23	7.2	9.8	10	9.3	5.3	5.2	4.0
6	5.0	9.0	36	6.2	15	8.7	9.8	11	8.7	5.1	3.7	4.1
7	5.0	8.9	39	6.0	12	7.6	9.8	10	8.5	5.0	2.9	4.1
8	34	11	40	5.4	11	7.4	8.8	9.6	8.3	4.9	2.8	4.8
9	16	23	17	5.7	11	7.0	8.3	13	7.7	5.2	2.6	5.9
10	8.6	12	13	6.5	11	12	7.7	11	7.6	6.2	2.4	4.2
11	7.3	10	12	5.7	10	8.7	7.6	9.8	7.2	5.3	2.2	6.1
12	7.6	8.8	12	4.9	9.7	7.9	13	9.6	6.6	4.9	2.0	4.8
13	7.9	8.5	11	4.3	9.1	7.4	17	10	7.0	4.8	7.4	4.3
14	8.1	8.0	11	4.0	17	9.6	12	10	7.1	4.7	3.2	4.1
15	7.6	7.4	10	4.0	15	15	9.5	10	6.3	4.8	2.3	4.0
16	7.8	6.8	9.6	12	12	10	9.4	10	6.1	4.8	2.8	4.0
17	7.8	6.5	21	5.5	11	9.2	9.6	10	6.3	4.5	2.6	4.1
18	7.8	6.4	13	4.6	11	8.6	11	10	6.5	15	2.7	4.1
19	53	6.2	17	3.8	11	8.4	17	11	9.4	10	2.3	4.1
20	30	6.0	14	4.1	9.6	8.8	12	12	6.4	4.9	2.3	4.0
21	18	5.5	12	4.2	9.6	8.5	11	9.9	5.9	4.6	17	3.6
22	14	5.0	11	5.3	9.5	8.7	10	9.1	7.5	7.5	4.9	3.6
23	15	4.7	11	6.5	8.5	7.6	10	8.9	6.8	4.5	4.7	4.1
24	14	4.4	11	4.6	8.3	6.6	11	8.8	6.0	11	4.4	3.6
25	12	4.4	12	15	7.5	6.4	9.9	15	5.9	8.4	4.2	3.8
26	11	22	10	9.2	6.7	8.0	9.3	13	5.4	5.4	4.1	3.6
27	11	6.1	11	7.7	7.2	7.1	9.1	10	5.3	5.0	4.1	3.5
28	12	5.4	9.8	12	6.3	6.3	38	8.9	5.2	4.7	4.9	3.6
29	11	4.4	9.4	9.0	---	10	17	8.2	5.3	4.0	4.5	8.0
30	12	3.8	9.0	8.1	---	8.1	11	8.3	5.4	3.7	4.3	3.9
31	11	---	8.5	7.6	---	27	---	8.5	---	3.4	4.1	---
TOTAL	384.2	254.8	457.8	207.8	290.0	276.6	367.6	319.6	242.2	180.5	122.7	128.1
MEAN	12.4	8.49	14.8	6.70	10.4	8.92	12.3	10.3	8.07	5.82	3.96	4.27
MAX	53	23	40	15	23	27	38	15	29	15	17	8.0
MIN	5.0	3.8	5.0	3.8	6.2	6.3	7.6	8.2	5.2	3.4	2.0	3.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1997, BY WATER YEAR (WY)

MEAN	7.24	8.15	9.42	10.1	10.7	12.3	13.3	11.5	9.86	8.54	7.94	7.21
MAX	22.5	19.9	14.8	19.6	16.6	20.1	23.7	20.7	24.3	21.9	20.5	16.3
(WY)	1991	1956	1997	1978	1979	1958	1983	1989	1989	1975	1989	1989
MIN	3.63	4.31	4.23	5.13	5.78	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1945 - 1997	
ANNUAL TOTAL	3506.2		3231.9			
ANNUAL MEAN	9.58		8.85		9.66	
HIGHEST ANNUAL MEAN					15.4	1984
LOWEST ANNUAL MEAN					5.14	1995
HIGHEST DAILY MEAN	60	Jul 31	53	Oct 19	93	Oct 13 1990
LOWEST DAILY MEAN	3.0	Jan 1	2.0	Aug 12	1.4	Oct 17 1995
ANNUAL SEVEN-DAY MINIMUM	3.8	Jan 1	2.6	Aug 14	1.6	Sep 5 1995
INSTANTANEOUS PEAK FLOW			138[a]	Oct 19	212[a]	Oct 13 1990
INSTANTANEOUS PEAK STAGE			2.12	Oct 19	3.28	Feb 7 1971
INSTANTANEOUS LOW FLOW			1.9[b]	Aug 11	1.1[c]	Sep 10 1995
10 PERCENT EXCEEDS	14		13		16	
50 PERCENT EXCEEDS	8.0		7.8		8.6	
90 PERCENT EXCEEDS	5.0		4.0		4.6	

a From rating curve extended above 110 ft^3/s.
b Also occurred on Aug 12,13,16.
c Result of regulation.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	19	22	27	28	24	67	34	22	14	11	12
2	15	19	61	27	27	25	45	33	40	14	11	13
3	14	18	34	28	25	25	36	36	42	15	10	12
4	13	18	28	27	23	28	34	35	28	14	11	10
5	13	17	25	26	52	25	30	30	25	13	22	11
6	13	17	57	26	38	25	30	31	23	13	15	11
7	13	18	53	26	31	25	30	30	23	13	13	11
8	30	22	85	24	29	26	29	28	22	13	12	11
9	53	39	44	24	29	23	28	33	21	13	11	10
10	25	28	37	27	28	31	27	30	21	15	11	11
11	21	22	35	25	28	27	27	28	20	13	10	16
12	18	19	35	24	27	24	32	27	19	12	11	17
13	18	16	34	23	27	23	45	27	20	12	20	13
14	17	17	33	23	37	27	32	27	21	11	22	12
15	16	17	32	23	37	44	29	26	19	11	14	11
16	16	17	31	41	30	30	29	26	18	10	11	10
17	16	17	40	34	28	26	29	26	19	11	15	8.5
18	17	18	40	27	28	24	31	25	19	19	14	8.6
19	40	18	40	26	28	24	43	26	21	31	13	8.7
20	90	20	38	26	27	25	35	26	19	15	13	9.2
21	36	20	33	24	27	25	31	26	18	12	51	8.5
22	27	18	31	25	27	24	29	21	20	16	26	8.2
23	25	17	30	29	25	22	28	21	25	15	17	8.8
24	28	17	28	25	25	22	29	22	18	25	15	9.2
25	23	17	33	43	24	22	27	30	18	27	14	9.2
26	21	40	29	32	25	25	24	35	17	15	14	8.8
27	20	30	31	27	27	23	25	26	16	14	13	8.6
28	21	22	29	34	25	22	73	24	15	14	14	8.8
29	20	20	28	31	---	26	50	23	15	12	14	19
30	22	20	28	28	---	35	36	23	14	11	13	11
31	20	---	28	28	---	63	---	23	---	11	12	---
TOTAL	736	617	1132	860	812	840	1040	858	638	454	473	326.1
MEAN	23.7	20.6	36.5	27.7	29.0	27.1	34.7	27.7	21.3	14.6	15.3	10.9
MAX	90	40	85	43	52	63	73	36	42	31	51	19
MIN	13	16	22	23	23	22	24	21	14	10	10	8.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1997, BY WATER YEAR (WY)

MEAN	20.6	23.9	27.0	28.1	29.5	32.5	33.7	29.8	25.6	21.8	21.3	19.6
MAX	52.0	50.4	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

01308500 CARLLS RIVER AT BABYLON, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1945 - 1997	
ANNUAL TOTAL	8216.2		8786.1			
ANNUAL MEAN	22.4		24.1		26.1	
HIGHEST ANNUAL MEAN					39.9	1978
LOWEST ANNUAL MEAN					13.1	1995
HIGHEST DAILY MEAN	90	Oct 20	90	Oct 20	205	Jan 26 1978
LOWEST DAILY MEAN	9.2	Sep 5	8.2	Sep 22	3.1	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	11	Jan 5	8.6	Sep 17	3.4	Sep 7 1995
INSTANTANEOUS PEAK FLOW			144	Oct 20	300[a]	Aug 24 1990
INSTANTANEOUS PEAK STAGE			1.66	Oct 20	2.39	Aug 24 1990
INSTANTANEOUS LOW FLOW			8.2[b]	Sep 17	.05[c]	Sep 4 1963
10 PERCENT EXCEEDS	34		35		40	
50 PERCENT EXCEEDS	20		24		24	
90 PERCENT EXCEEDS	13		11		14	

a From rating curve extended above 190 ft^3/s.
b Also occurred on Sep 18, 21-23.
c Result of regulation. Also occurred on Jul 6 1966 and Aug 29 1972.

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 1996 TO SEPTEMBER 1997

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)
MAR 17...	1050	26	216	5.9	5.5	769	10.8	12	2.6

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)
MAR 17...	19	2.8	15	25	28	<0.10	7.2	0.014	2.3

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)
MAR 17...	0.99	1.3	0.025	<0.001	490	180	880	810	0.06

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

LOCATION.—Lat 40°41′20″, long 73°27′19″, Nassau County, Hydrologic Unit 02030202, on left bank 3,000 ft upstream from Clark Boulevard Bridge in Massapequa, and 350 ft west of Lake Shore Drive at Garfield Street in Massapequa Park.

DRAINAGE AREA.—About 38 mi^2.

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 1141: Drainage area. WRD NY 1970: 1966-69 (M).

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

REMARKS.— No estimated daily discharges. Records good.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 21	0500	*104	*1.48				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	3.3	4.0	4.5	4.7	4.2	18	6.2	4.3	2.2	1.5	3.2
2	2.3	3.1	19	4.5	4.0	4.5	10	6.1	19	2.2	1.5	3.2
3	2.3	2.9	5.9	4.5	4.0	4.6	8.4	9.2	9.1	2.2	1.5	3.1
4	2.3	2.8	5.0	4.5	4.1	5.6	7.9	5.8	6.1	2.1	1.5	2.9
5	2.2	2.6	4.6	4.5	21	5.0	7.0	5.0	5.5	2.0	3.6	2.9
6	2.0	2.6	26	4.5	7.3	5.6	6.7	5.4	5.1	2.0	3.6	2.9
7	2.1	2.6	27	4.2	5.7	4.6	6.5	5.0	4.8	2.2	2.0	2.9
8	13	2.8	24	4.0	5.4	4.5	6.0	4.9	4.0	2.1	1.7	2.9
9	8.9	12	9.3	4.1	5.4	4.2	5.8	8.3	3.7	2.3	1.7	2.9
10	3.7	4.0	7.4	4.5	4.9	8.4	5.6	5.8	3.3	2.3	1.5	2.9
11	2.9	3.4	6.9	4.0	4.9	5.6	5.4	5.1	3.2	2.0	1.5	2.9
12	2.6	3.1	6.5	4.0	4.9	5.0	11	5.0	3.1	1.9	1.5	2.9
13	2.6	2.9	6.1	4.0	4.5	4.7	11	4.9	3.1	1.9	5.6	2.8
14	2.6	2.9	6.0	4.0	12	7.9	6.1	4.5	3.1	1.6	2.4	2.8
15	2.6	2.9	5.4	3.8	8.1	14	5.6	4.5	2.8	1.6	1.6	2.6
16	2.6	2.7	5.4	15	6.1	5.2	5.4	4.5	2.6	1.6	1.7	2.6
17	2.6	2.6	11	6.0	5.6	4.5	5.5	4.3	2.6	1.6	1.6	2.6
18	2.6	2.6	6.9	4.7	5.4	4.2	7.7	3.8	2.6	2.7	1.8	2.6
19	25	2.6	9.5	4.1	5.5	4.0	15	3.8	3.7	3.4	1.6	2.6
20	12	2.6	7.0	4.0	5.4	4.3	6.5	5.0	2.7	1.8	1.7	2.6
21	12	2.6	5.9	4.0	5.4	4.1	5.6	4.2	2.6	1.6	34	2.6
22	4.8	2.6	5.5	4.3	5.5	3.9	5.4	4.0	4.1	3.0	6.3	2.6
23	4.5	2.6	5.0	4.7	5.3	3.6	4.9	3.9	3.3	1.6	4.9	2.6
24	4.4	2.6	5.4	4.0	5.1	3.5	4.7	3.7	2.4	8.6	4.3	2.6
25	3.7	2.6	6.8	14	4.5	3.7	4.2	10	2.3	4.8	3.7	2.6
26	3.4	19	5.0	5.8	4.5	5.0	4.0	7.8	2.3	2.0	3.6	2.6
27	3.3	4.8	5.3	5.1	4.5	4.0	4.0	5.0	2.3	1.7	3.5	2.6
28	3.8	3.5	4.9	8.6	4.3	4.0	29	4.4	2.3	1.6	4.4	2.7
29	3.4	3.1	4.9	5.6	---	21	8.3	4.3	2.3	1.6	3.6	4.7
30	3.4	2.9	4.8	5.1	---	10	6.6	4.4	2.3	1.6	3.3	2.8
31	3.3	---	4.6	4.9	---	34	---	4.3	---	1.6	3.2	---
TOTAL	149.2	113.3	261.0	163.5	168.0	207.4	237.8	163.1	120.6	71.4	115.9	85.2
MEAN	4.81	3.78	8.42	5.27	6.00	6.69	7.93	5.26	4.02	2.30	3.74	2.84
MAX	25	19	27	15	21	34	29	10	19	8.6	34	4.7
MIN	2.0	2.6	4.0	3.8	4.0	3.5	4.0	3.7	2.3	1.6	1.5	2.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

MEAN	7.13	8.48	9.28	10.5	11.2	13.3	14.5	12.6	10.4	8.38	8.09	6.81
MAX	18.6	24.7	18.8	33.2	25.7	28.7	33.5	32.5	28.8	25.7	23.0	18.4
(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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	1699.8		1856.4			
ANNUAL MEAN	4.64		5.09		10.1	
HIGHEST ANNUAL MEAN					19.4	1973
LOWEST ANNUAL MEAN					2.27	1995
HIGHEST DAILY MEAN	43	Apr 16	34	Mar 31	191	Jan 21 1979
LOWEST DAILY MEAN	1.4	Sep 5	1.5[a]	Aug 1	.32[b]	Aug 30 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 10	1.5	Jul 29	.37	Aug 28 1995
INSTANTANEOUS PEAK FLOW			104	Aug 21	510[c]	Jul 29 1980
INSTANTANEOUS PEAK STAGE			1.48	Aug 21	2.40	Jul 29 1980
INSTANTANEOUS LOW FLOW			1.5	Many days	.32[d]	Aug 29 1995
10 PERCENT EXCEEDS	7.6		8.4		19	
50 PERCENT EXCEEDS	3.5		4.1		8.1	
90 PERCENT EXCEEDS	2.0		2.1		3.0	

a Also occurred on Aug 2-4, 10-12.
b Also occurred on Aug 31, Sep 1, 2, 11-13, 1995.
c From rating curve extended above 200 ft^3/s.
d Also occurred on part or all of each day Aug 30-Sep 3, 8, 10-14, 1995.

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.

DRAINAGE AREA.—About 17 mi^2.

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 to main and secondary channels.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.0	3.3	4.2	4.4	4.2	13	5.8	3.5	1.8	1.6	e2.2
2	2.0	3.1	e13	4.3	3.8	4.3	7.3	5.6	12	1.8	1.5	e2.1
3	1.9	2.8	e4.6	4.2	3.8	4.6	6.3	7.5	5.9	1.9	1.5	2.0
4	1.8	2.7	e3.7	4.1	3.9	4.8	6.0	5.4	4.3	1.8	1.5	2.0
5	1.8	2.7	3.3	4.2	17	4.4	5.9	4.8	3.8	1.8	2.0	2.0
6	1.8	2.7	19	4.1	6.0	5.2	5.9	5.6	3.6	1.8	3.1	1.8
7	1.8	2.8	23	4.3	5.2	4.8	5.8	5.2	3.5	3.1	2.0	1.8
8	12	2.8	19	4.8	5.1	4.9	5.5	4.8	3.2	2.6	1.9	1.8
9	4.3	7.4	7.3	5.1	4.9	4.6	5.5	7.1	3.2	1.8	1.8	1.8
10	3.4	3.1	6.3	5.5	4.6	7.5	5.4	5.3	3.1	1.8	1.6	1.8
11	2.6	2.8	5.9	4.8	4.5	4.3	5.2	5.1	3.0	1.6	1.5	1.9
12	2.4	2.8	5.6	4.4	4.5	3.8	8.7	5.1	2.8	1.6	1.4	2.0
13	2.4	2.8	5.5	3.9	4.3	3.8	7.9	5.0	2.8	1.5	e2.6	1.9
14	2.4	2.6	5.5	3.9	9.5	7.2	5.4	4.8	2.8	1.4	e2.0	1.8
15	2.0	2.7	5.1	3.9	6.2	8.7	5.0	4.6	2.7	1.4	e1.6	1.8
16	2.0	2.8	4.7	11	5.1	4.7	4.9	4.4	2.6	1.4	e1.6	1.6
17	2.0	3.4	7.5	4.9	4.8	4.3	5.0	4.1	2.5	1.3	e1.5	1.6
18	2.0	3.6	5.7	4.4	4.7	4.3	6.6	4.1	2.4	2.0	e1.6	1.6
19	27	3.6	7.2	4.2	4.6	4.2	10	4.1	2.5	2.3	e1.6	1.7
20	7.4	3.5	5.7	3.9	4.4	4.4	5.7	4.5	2.3	1.4	e1.5	1.6
21	6.9	3.4	5.2	3.9	4.4	4.4	5.1	4.0	2.3	1.4	e30	1.6
22	3.8	3.0	5.1	4.0	4.6	4.1	4.9	3.9	4.1	1.5	e5.6	1.6
23	3.7	2.6	5.1	4.1	4.2	3.8	4.7	4.0	2.6	1.5	e3.4	1.8
24	3.6	2.6	5.5	3.9	4.3	3.8	4.9	3.8	2.3	14	e2.9	1.8
25	3.1	2.6	5.6	11	4.2	3.9	4.6	7.1	2.3	5.4	e2.7	1.8
26	3.0	10	4.6	4.4	4.2	4.7	4.3	5.5	2.2	2.7	e2.6	1.7
27	2.9	3.3	4.9	4.1	4.4	3.9	4.3	4.0	2.2	2.3	e2.4	1.6
28	3.4	3.2	4.6	6.3	4.0	3.8	20	3.8	2.1	2.2	e3.1	1.6
29	3.0	3.1	4.6	4.3	---	16	6.8	3.7	2.0	1.9	e2.6	2.8
30	3.2	2.7	4.6	4.2	---	7.4	5.7	3.6	2.0	1.7	e2.4	1.8
31	3.0	---	4.5	4.2	---	26	---	3.6	---	1.6	e2.2	---
TOTAL	124.6	100.2	215.2	148.5	145.6	180.8	196.3	149.9	96.6	72.3	95.3	54.9
MEAN	4.02	3.34	6.94	4.79	5.20	5.83	6.54	4.84	3.22	2.33	3.07	1.83
MAX	27	10	23	11	17	26	20	7.5	12	14	30	2.8
MIN	1.8	2.6	3.3	3.9	3.8	3.8	4.3	3.6	2.0	1.3	1.4	1.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

MEAN	6.72	8.02	8.73	9.43	10.3	11.7	12.1	10.3	8.86	7.35	7.36	6.43
MAX	19.0	24.5	20.8	21.8	19.9	24.4	26.4	23.3	26.7	19.5	21.2	23.0
(WY)	1959	1956	1978	1978	1956	1953	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

e Estimated.

01310000 BELLMORE CREEK AT BELLMORE, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	1280.9		1580.2			
ANNUAL MEAN	3.50		4.33		8.94	
HIGHEST ANNUAL MEAN					19.7	1961
LOWEST ANNUAL MEAN					1.54	1995
HIGHEST DAILY MEAN	35	Apr 16	e30	Aug 21	162	Sep 12 1960
LOWEST DAILY MEAN	1.0	Jan 1	1.3	Jul 17	.00[a]	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	1.0	Jan 5	1.5	Jul 11	.00	Aug 11 1995
10 PERCENT EXCEEDS	5.7		6.7		17	
50 PERCENT EXCEEDS	2.7		3.8		7.2	
90 PERCENT EXCEEDS	1.5		1.8		2.2	

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

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.

DRAINAGE AREA.—About 31 mi^2.

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.j

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)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct.19	2015	*384	*2.22	Dec. 7	2330	286	1.86
Dec. 2	0730	331	2.03	Aug. 21	0545	336	2.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	3.3	4.0	5.3	5.9	4.4	24	8.5	4.7	2.5	2.3	2.6
2	1.9	3.1	74	5.8	5.2	4.5	12	12	20	2.4	2.1	2.6
3	1.9	2.9	9.0	5.6	5.1	4.6	8.8	16	13	2.5	2.0	2.4
4	1.7	2.7	6.4	5.5	4.9	5.3	7.7	10	6.7	2.3	2.0	1.8
5	1.7	2.7	5.2	5.5	34	4.7	6.9	7.2	5.5	2.1	5.1	1.7
6	1.7	2.8	52	5.4	9.6	5.2	6.5	6.9	4.9	2.0	5.6	1.5
7	1.7	3.0	54	5.1	6.7	4.4	6.4	6.6	4.3	4.6	3.0	1.5
8	16	3.2	57	5.2	6.0	4.5	5.9	6.1	4.2	4.1	2.6	1.4
9	17	7.3	12	5.4	5.3	4.3	6.2	11	4.0	2.8	2.5	1.3
10	4.3	3.7	8.8	6.1	5.1	7.1	5.9	7.4	4.0	3.0	2.3	1.3
11	3.2	3.2	7.7	5.5	4.8	5.3	5.7	6.2	3.6	2.3	2.2	3.8
12	2.8	3.0	7.1	5.1	4.7	4.7	9.1	5.7	3.3	2.1	2.1	9.2
13	2.7	3.0	6.7	5.1	4.5	4.3	20	5.5	3.7	2.0	6.6	2.2
14	2.5	2.9	7.2	5.1	13	7.3	7.6	5.4	3.7	1.8	3.8	1.8
15	2.2	2.7	6.2	5.1	9.6	20	6.4	5.1	3.3	1.6	2.8	1.6
16	2.2	2.7	6.0	19	6.3	6.5	5.9	5.1	3.3	1.6	2.6	1.4
17	2.2	2.7	8.2	8.7	5.5	5.6	6.0	5.2	3.3	1.6	2.5	1.3
18	2.1	2.8	7.7	6.4	5.1	5.2	11	5.1	3.3	2.6	2.8	1.3
19	91	2.9	8.5	5.7	5.1	4.9	24	5.2	3.5	4.0	2.3	1.2
20	27	2.7	8.1	5.5	4.7	4.9	9.5	6.3	3.1	2.0	2.4	1.2
21	13	2.7	6.1	5.1	4.7	4.7	7.4	5.7	2.9	1.8	86	1.3
22	6.4	2.7	5.8	5.2	4.7	4.6	6.6	4.9	4.6	15	7.3	1.3
23	5.0	2.7	5.5	5.4	4.4	4.3	6.4	4.7	4.5	3.0	4.8	1.4
24	4.4	2.7	5.8	4.8	4.3	4.3	6.5	4.7	3.0	48	3.9	1.4
25	4.0	2.5	6.5	25	4.3	4.3	6.1	9.0	2.8	19	3.4	1.4
26	3.7	19	5.5	7.5	4.3	5.4	5.9	12	2.7	5.7	3.2	1.2
27	3.6	4.7	5.5	5.9	4.6	4.7	5.7	5.7	2.6	4.3	3.0	1.2
28	4.1	3.6	5.1	9.9	4.3	4.5	43	4.9	2.4	3.6	4.0	1.2
29	3.7	3.3	5.1	7.3	---	11	13	4.7	2.6	3.1	3.2	4.0
30	3.7	3.0	5.1	5.8	---	7.8	9.0	4.7	2.5	2.7	2.8	1.7
31	3.4	---	5.3	5.5	---	54	---	4.7	---	2.5	2.6	---
TOTAL	242.7	110.2	417.1	213.5	186.7	227.3	305.1	212.2	136.0	158.6	183.8	59.2
MEAN	7.83	3.67	13.5	6.89	6.67	7.33	10.2	6.85	4.53	5.12	5.93	1.97
MAX	91	19	74	25	34	54	43	16	20	48	86	9.2
MIN	1.7	2.5	4.0	4.8	4.3	4.3	5.7	4.7	2.4	1.6	2.0	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

MEAN	10.0	11.1	12.0	13.0	14.0	15.7	17.3	15.5	13.4	11.9	11.5	10.1
MAX	27.4	29.6	23.8	37.0	28.9	31.7	36.2	34.3	34.3	34.7	39.8	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)	1996	1966	1966	1967	1967	1992	1966	1992	1988	1966	1995	1995

01310500 EAST MEADOW BROOK AT FREEPORT, NY—Continued

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	1975.69		2452.4			
ANNUAL MEAN	5.40		6.72		12.9	
HIGHEST ANNUAL MEAN					23.3	1961
LOWEST ANNUAL MEAN					2.08	1995
HIGHEST DAILY MEAN	107	Jul 31	91	Oct 19	375	Sep 12 1960
LOWEST DAILY MEAN	.72	Jan 11	1.2[a]	Sep 19	.00[b]	Aug 26 1971
ANNUAL SEVEN-DAY MINIMUM	.86	Jan 5	1.3	Sep 16	.00	Aug 15 1988
INSTANTANEOUS PEAK FLOW			384	Oct 19	848	Jul 29 1980
INSTANTANEOUS PEAK STAGE			2.22	Oct 19	4.38[c]	Sep 12 1960
INSTANTANEOUS LOW FLOW			1.2[d]	Sep 17	.00[f]	Aug 26 1971
10 PERCENT EXCEEDS	7.2		9.9		24	
50 PERCENT EXCEEDS	3.2		4.7		11	
90 PERCENT EXCEEDS	1.8		2.0		1.9	

a Also occurred on Sep 20, 26-28.
b Also occurred on Aug 15-23, 1988; Aug 10-Sep 16, 19-21, 1995.
c Datum then in use.
d Also occurred on Sep 18-22,26-28.
f Also occurred on Aug 15-23 1988, Aug 9-Sep 17,18-22, Oct 2-5 1995.

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.

DRAINAGE AREA.—About 10 mi^2.

PERIOD OF RECORD.—1951-52, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44); December 1938 to current year (monthly means estimated March to September 1970).

REVISED RECORDS.—WSP 1432: 1837, 1940.

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

REMARKS.—No estimated daily discharges. Records good. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 19	1815	*578	*4.81	Jul. 24	2015	252	4.07
Dec. 2	0500	259	4.06	Aug. 21	0300	312	4.21
Dec. 7	2245	495	4.65				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	.77	6.0	1.1	1.3	1.1	7.8	6.1	1.2	.29	.40	.48
2	.19	.75	38	1.2	.94	1.2	1.8	2.0	21	.24	.32	1.1
3	.18	.70	2.7	1.2	.94	1.7	1.6	7.9	2.1	.28	.28	.47
4	.17	.70	2.1	1.2	1.0	1.4	1.5	1.6	1.7	.24	.24	.44
5	.17	.65	1.6	1.2	24	1.3	1.3	1.5	1.6	.21	17	.41
6	.18	.65	42	1.2	1.6	1.5	1.4	2.5	1.5	.17	4.4	.35
7	.19	.65	108	1.1	1.4	1.2	1.4	1.5	1.4	13	1.4	.35
8	26	.96	205	1.0	1.3	1.3	1.3	1.4	1.3	.58	1.1	.33
9	3.5	6.6	56	1.2	1.3	1.3	1.4	6.0	1.3	.38	.74	.35
10	.86	.84	2.1	1.4	1.2	9.0	1.6	1.5	1.2	.68	.41	.35
11	.38	.77	1.3	1.1	1.2	2.6	1.5	1.4	1.1	.29	.25	15
12	.34	.74	1.2	.97	1.2	2.4	15	1.4	1.0	.33	.25	1.9
13	.31	.65	1.2	.95	1.1	2.5	6.5	1.5	5.5	.33	14	.59
14	.29	.64	2.8	.94	13	19	1.7	1.6	1.2	.62	.82	.44
15	.24	.59	1.2	.97	2.6	6.7	1.5	1.6	.98	.63	.42	.34
16	.26	.59	1.1	15	1.4	1.4	1.5	1.6	.96	.50	.34	.32
17	.24	.59	4.5	1.4	1.3	1.3	2.1	1.6	.94	.19	.27	.28
18	.24	.59	1.2	1.1	1.3	1.3	21	1.6	.95	11	3.9	.25
19	137	.64	3.5	.94	1.3	1.3	19	1.9	1.1	1.1	.35	.23
20	82	.59	1.5	.94	1.1	1.7	2.1	3.1	.92	.14	3.7	.23
21	8.7	.59	1.3	.89	1.2	1.4	1.9	1.6	.86	.13	56	.19
22	1.3	.59	1.3	1.0	1.2	1.2	1.8	1.5	3.7	20	2.6	.19
23	1.1	.55	1.3	1.0	1.1	1.1	1.7	1.5	.87	.20	2.1	.20
24	.96	.59	2.3	.86	1.1	1.0	1.8	1.4	.75	60	1.6	.19
25	.93	.59	2.7	14	1.1	1.1	1.6	12	.68	4.7	1.5	.19
26	.87	29	1.3	1.0	1.2	4.7	1.6	2.4	.64	1.7	.90	.15
27	.84	.91	1.4	.95	1.3	1.1	1.6	1.4	.56	1.2	.75	.14
28	1.5	.88	1.3	6.4	1.0	1.0	26	1.3	.47	2.1	4.0	.90
29	.88	.82	1.3	1.1	---	4.3	1.8	1.2	.42	1.3	.81	14
30	.85	.76	1.2	1.0	---	1.3	1.6	1.3	.36	1.1	.65	.29
31	.77	---	1.2	1.1	---	39	---	1.3	---	.55	.52	---
TOTAL	271.63	54.94	499.6	65.41	69.68	118.4	134.4	76.2	58.26	124.18	122.02	40.65
MEAN	8.76	1.83	16.1	2.11	2.49	3.82	4.48	2.46	1.94	4.01	3.94	1.36
MAX	137	29	205	15	24	39	26	12	21	60	56	15
MIN	.17	.55	1.1	.86	.94	1.0	1.3	1.2	.36	.13	.24	.14

01311000 PINES BROOK AT MALVERNE, NY—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

MEAN	2.65	3.00	3.36	3.55	3.61	4.26	4.61	4.15	3.52	3.20	3.05	2.66
MAX	9.50	7.53	16.1	11.8	10.9	12.5	14.1	10.3	11.8	11.0	11.7	11.2
(WY)	1939	1952	1997	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

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	1273.80		1635.37			
ANNUAL MEAN	3.48		4.48		3.40	
HIGHEST ANNUAL MEAN					8.40	1939
LOWEST ANNUAL MEAN					.52	1966
HIGHEST DAILY MEAN	205	Dec 8	205	Dec 8	247	Jan 28 1994
LOWEST DAILY MEAN	.06	Jul 11	.13	Jul 21	.00	Many years
ANNUAL SEVEN-DAY MINIMUM	.09	Jul 6	.18	Sep 21	.00	Many years
INSTANTANEOUS PEAK FLOW			578[a]	Oct 19	866[a]	Jan 28 1994
INSTANTANEOUS PEAK STAGE			4.81	Oct 19	5.28	Jan 28 1994
INSTANTANEOUS LOW FLOW			.08[b]	Jul 17	.00	Many years
10 PERCENT EXCEEDS	3.3		6.5		7.9	
50 PERCENT EXCEEDS	.49		1.2		1.7	
90 PERCENT EXCEEDS	.13		.29		.01	

a From rating curve extended above 220 ft^3/s.
b Also occurred on Jul 18, 21.

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 at Watts Creek at Valley Stream.

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	.73	1.5	.80	.89	1.0	7.6	3.0	1.1	.44	.52	.51
2	.37	.74	24	.91	.75	1.1	2.8	4.0	11	.45	.49	.55
3	.40	.67	2.0	.97	.70	1.1	1.8	6.1	3.8	.41	.43	1.3
4	.33	.60	1.0	.77	.65	1.4	1.6	2.4	1.1	.38	.44	.29
5	.26	.57	.68	.78	15	1.0	1.5	1.4	1.0	.32	3.9	.36
6	.30	.62	18	.81	2.1	1.3	1.5	2.1	.93	.29	5.2	.39
7	.26	.73	22	.78	1.3	1.0	1.6	1.7	.70	5.6	1.0	.40
8	16	.68	17	.75	1.2	.91	1.4	1.2	.68	1.8	.77	.35
9	7.8	2.3	2.2	.89	1.1	.83	1.3	5.4	.68	.31	.85	.39
10	.96	.81	1.7	1.3	1.1	4.2	1.4	2.3	.62	.14	.95	.49
11	.47	.56	1.5	1.2	.99	1.5	1.3	1.4	.65	.08	.79	3.4
12	.33	.55	1.3	.99	.97	.96	6.9	1.4	.62	.13	.32	4.0
13	.33	.45	1.3	.91	.84	.81	6.6	1.3	4.7	.15	6.0	.67
14	.37	.31	2.4	.85	6.4	5.0	1.6	1.2	1.5	.24	1.8	.29
15	.38	.30	1.6	.78	2.7	6.2	1.3	1.2	.63	.24	.50	.05
16	.37	.54	1.4	10	1.3	1.5	1.4	1.0	.64	.29	.45	.10
17	.41	.65	3.2	1.8	1.0	1.2	1.7	.93	.63	.21	.48	.22
18	.44	.56	1.7	.88	.97	1.2	10	.88	.62	5.0	.74	.13
19	55	.54	2.0	.80	1.1	1.1	7.2	1.1	.60	4.3	.64	.19
20	16	.57	1.6	.77	.98	1.3	2.2	1.5	.43	.33	.81	e.20
21	2.2	.56	1.1	.69	1.0	1.2	1.6	.97	.49	.26	41	e.20
22	1.3	.51	1.1	.72	1.1	1.2	1.8	.87	2.5	11	1.8	e.20
23	1.0	.43	1.1	.96	.95	.97	1.7	.84	1.5	.76	.97	e.20
24	.82	.45	1.2	.72	.88	.84	1.7	.87	.49	45	.76	e.20
25	.78	.45	2.6	9.4	.81	.90	1.4	5.4	.41	11	.63	e.20
26	.76	16	1.3	1.2	.94	3.4	1.3	4.0	.41	1.3	.60	e.15
27	.66	1.6	1.3	.76	1.1	1.5	1.2	1.3	.39	.92	.65	e.15
28	.92	.85	1.2	3.3	1.1	1.1	20	1.0	.38	.72	1.2	e1.0
29	.78	.72	1.2	1.3	---	2.2	2.7	.93	.47	.51	.82	e4.0
30	.76	.64	1.1	.81	---	2.6	1.6	.93	.44	.53	.60	e.50
31	.64	---	.87	.80	---	23	---	1.0	---	.55	.55	---
TOTAL	111.82	35.69	122.15	48.40	49.92	73.52	97.7	59.62	40.11	93.66	76.66	21.08
MEAN	3.61	1.19	3.94	1.56	1.78	2.37	3.26	1.92	1.34	3.02	2.47	.70
MAX	55	16	24	10	15	23	20	6.1	11	45	41	4.0
MIN	.26	.30	.68	.69	.65	.81	1.2	.84	.38	.08	.32	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1997, BY WATER YEAR (WY)

MEAN	1.60	1.87	1.84	2.10	2.00	2.31	2.83	2.36	1.85	1.64	1.98	1.71
MAX	10.8	10.9	9.18	9.40	9.95	10.2	12.0	12.5	8.46	8.32	16.9	11.6
(WY)	1959	1955	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

e Estimated.

01311500 VALLEY STREAM AT VALLEY STREAM, NY

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1954 - 1997	
ANNUAL TOTAL	660.31		830.33			
ANNUAL MEAN	1.80		2.27		1.97	
HIGHEST ANNUAL MEAN					8.87	1956
LOWEST ANNUAL MEAN					.11	1986
HIGHEST DAILY MEAN	55	Oct 19	55	Oct 19	140	Aug 12 1955
LOWEST DAILY MEAN	.00	Jan 1	.05	Sep 15	.00	Many years
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.16	Sep 15	.00	Many years
INSTANTANEOUS PEAK FLOW			237	Oct 19	294	Jun 30 1984
INSTANTANEOUS PEAK STAGE			4.12	Oct 19	5.78	Jun 30 1984
INSTANTANEOUS LOW FLOW			.04[a]	Jul 10	.00	Many years
10 PERCENT EXCEEDS	2.7		4.2		6.1	
50 PERCENT EXCEEDS	.60		.95		.20	
90 PERCENT EXCEEDS	.21		.33		.00	

a Also occurred on Jul 11, Sep 15.

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 1,300 ft southwest of South Conduit Ave., in Rosedale.

DRAINAGE AREA.—About 10 mi^2.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.60	e.80	4.2	1.0	.63	1.3	6.9	3.7	.71	.30	.89	.56
2	e.60	e.75	20	1.2	.50	1.4	2.3	3.4	8.5	.33	.78	.56
3	e.50	e.75	1.7	1.1	.51	1.7	2.2	6.1	1.5	.37	.72	.55
4	e.50	e.75	2.2	.95	.63	1.2	2.1	1.8	.91	.35	.83	.46
5	e.50	e.70	1.5	1.1	14	1.1	2.4	1.6	1.1	.30	11	.44
6	e.50	e.80	17	1.1	1.6	1.5	1.3	2.3	.75	.28	9.3	.46
7	e.50	e.70	20	1.1	1.4	1.3	1.6	1.8	.69	4.4	.61	.49
8	e15	e.70	16	1.2	1.4	1.5	2.3	1.6	.68	1.3	.72	.43
9	e6.0	e2.0	2.9	1.3	.83	1.4	2.2	4.8	.66	.48	.65	.43
10	e3.0	e1.0	2.6	1.4	.68	3.8	2.4	1.7	.65	1.3	.50	.41
11	.98	e.70	2.5	1.3	.67	1.3	2.5	1.6	.64	.41	.47	.87
12	.64	e.60	2.5	1.1	.66	1.0	6.9	1.8	.63	.34	.44	.51
13	.66	e.60	2.1	1.1	.61	.57	4.1	1.9	2.7	.33	11	.36
14	.68	e.60	4.7	1.1	5.4	4.8	.94	1.8	.93	.34	2.4	.35
15	.53	e.60	1.4	1.1	3.0	4.7	.97	1.8	.58	.36	.62	.32
16	.53	e.60	1.1	7.1	1.4	1.2	1.2	1.6	.57	.36	.54	.25
17	.50	e.70	2.0	.78	1.3	1.6	1.5	1.5	.56	.39	.46	.18
18	.55	e.70	1.3	.58	.82	1.5	9.5	1.4	.61	6.3	3.3	.12
19	54	e.70	2.3	.54	.92	.81	5.1	1.4	.58	8.4	.67	.09
20	7.5	.67	1.9	.62	2.1	.73	1.6	1.3	.48	.92	2.5	.10
21	2.6	.71	1.6	.78	2.2	.72	1.8	1.1	.48	.93	52	.07
22	.96	.78	1.5	1.2	2.1	.80	2.0	1.0	1.0	18	.85	.04
23	.85	.80	1.1	1.1	1.2	.71	2.2	.94	.89	2.9	.70	.04
24	e.85	.78	1.3	.53	1.1	.83	2.7	.88	.50	68	.67	.04
25	e.80	.80	2.1	8.8	1.2	.82	2.3	4.4	.49	12	.66	.05
26	e.80	13	.91	.63	1.3	2.1	2.3	2.6	.42	2.4	.63	.03
27	e.80	1.1	.93	.51	1.4	.62	2.0	1.0	.36	1.9	.57	.02
28	e1.0	1.2	.91	3.4	1.2	.60	15	1.0	.33	2.8	6.5	.14
29	e.80	1.2	.95	1.3	---	1.8	2.1	.93	.32	2.5	.76	10
30	e.80	1.2	.97	1.1	---	1.9	1.8	.86	.30	2.2	.52	.11
31	e.80	---	1.0	.73	---	18	---	.77	---	1.8	.62	---
TOTAL	105.33	36.99	123.17	46.85	50.76	63.31	94.21	60.38	29.52	142.99	112.88	18.48
MEAN	3.40	1.23	3.97	1.51	1.81	2.04	3.14	1.95	.98	4.61	3.64	.62
MAX	54	13	20	8.8	14	18	15	6.1	8.5	68	52	10
MIN	.50	.60	.91	.51	.50	.57	.94	.77	.30	.28	.44	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

MEAN	1.53	1.00	1.74	2.13	1.31	1.81	2.02	1.60	.80	2.11	1.94	1.04
MAX	3.40	1.23	3.97	4.67	1.81	2.78	3.14	2.22	1.07	4.61	3.64	1.94
(WY)	1997	1997	1997	1994	1997	1994	1997	1994	1996	1997	1997	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

e Estimated.

01311810 CONSELYEAS POND TRIBUTARY AT ROSEDALE, NY

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1993 - 1997	
ANNUAL TOTAL	663.93		884.87			
ANNUAL MEAN	1.81		2.42		1.59	
HIGHEST ANNUAL MEAN					2.42	1997
LOWEST ANNUAL MEAN					.80	1995
HIGHEST DAILY MEAN	54	Oct 19	68	Jul 24	70	Jan 28 1994
LOWEST DAILY MEAN	.01	Jan 9	.02	Sep 27	.01[a]	Nov 9 1995
ANNUAL SEVEN-DAY MINIMUM	.05	Jan 9	.04	Sep 21	.02	Aug 26 1995
INSTANTANEOUS PEAK FLOW			246[b]	Oct 19	246[b]	Oct 19 1996
INSTANTANEOUS PEAK STAGE			5.19	Oct 19	5.19	Oct 19 1996
INSTANTANEOUS LOW FLOW			.26[c]	Jun 30	.00[d]	Jan 9 1996
10 PERCENT EXCEEDS	2.8		4.5		2.6	
50 PERCENT EXCEEDS	.80		.98		.60	
90 PERCENT EXCEEDS	.26		.43		.13	

a Also occurred on Jan 9, 10, 1996.
b From rating curve extended above 110 ft^3/s.
c Also occurred on Jul 1, 5-7, 13.
d Also occurred on Jan 10 1996.

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 1997

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	--	1953-97	7-11-97	0.36
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	--	1953-97	7-11-97	.31
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	--	1953-97	7-7-97	.66
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	--	1953-97	8-12-97	2.7
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	--	1953-97	9-22-97	.78
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	--	1977-97	9-22-97	.29
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 1989-97	9-22-97	0

Discharge measurements made at low-flow partial-record stations during water year 1997—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 1979-97	9-22-97	0.28
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	--	1972-97	9-22-97	.26
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	--	1953-97	9-22-97	1.6
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	--	1972-97	9-22-97	2.9
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	--	1974-97	9-22-97	51
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	--	1977-97	9-27-97	2.3
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	--	1977-97	9-24-97	.47
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	--	1977-97	9-24-97	.14
01304070	Unnamed tributary to Port Jefferson Harbor at Port Jefferson, N.Y.	Lat 40°56′41″, long 73°04′18″, Suffolk County, at culvert on Barnum Ave., at Port Jefferson	--	1977-97	9-24-97	.14
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 1989-97	9-25-97	.55
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	--	1977-97	9-25-97	e .20
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 1951-97	3-24-97	6.2
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	--	1976-97	3-24-97 8-26-97	61 26

e Estimated.

Discharge measurements made at low-flow partial-record stations during water year 1997—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	--	1952-97	9-25-97	4.2
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 1973-97	9-25-97	1.9
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 1971-97	9-27-97	.08
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	--	1958-97	9-27-97	.32
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 1973-97	9-27-97	.05
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 1988-97	9-27-97	2.9
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50′52″, long 72°34′42″, Suffolk County, at culvert on State Highway 27A, 0.5 mi northeast of East Quogue	--	1974-97	9-25-97	.31
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 1974-97	9-25-97	.92
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 1990-97	9-25-97	.85
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 1990-97	9-26-97	3.0
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	--	1974-97	9-26-97	.40
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	--	1953-97	9-26-97	7.7
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49′12″, long 72°44′23″, Suffolk County, at culvert on Moriches Blvd., 0.75 mi southwest of Eastport	--	1955-69 1974-97	9-26-97	5.7
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 1952-97	3-24-97	7.4
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	--	1957-97	3-24-97	1.9

Discharge measurements made at low-flow partial-record stations during water year 1997—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	--	1973-97	3-24-97	8.6
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	--	1973-97	3-24-97	16
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	--	1973-97	3-24-97	105
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 1977-97	8-27-97	2.8
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 1952-97	8-27-97	.61
01306000	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* 1977-97	8-27-97	9.5
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	--	1953-97	9-29-97	2.1
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 1991-97	9-22-97	.04
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 1973-97	9-29-97	26
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 1971-97	9-29-97	22
01307000	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 1991-97	9-19-97	.68
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 1974-97	9-19-97	.07

* Operated as a continuous-record gaging station.
[b] About

Discharge measurements made at low-flow partial-record stations during water year 1997—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	--	1958-97	9-19-97	0.09
01307500	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* 1977-97	9-19-97	1.5
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	--	1958-97	9-19-97	.64
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 1973-97	7-14-97	1.4
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 1971-97	7-14-97	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 1969-97	7-14-97	4.3
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 1987-97	7-8-97	15
01309000	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* 1970-97	9-16-97	2.1
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41′02″, long 73°21′06″, Suffolk County, at culvert on State Highway 27A, 0.5 mi downstream from discontinued gaging station at Lindenhurst	--	1953-69 1971-97	9-16-97	2.8
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 1952-97	9-16-97	3.4
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 1971-97	9-15-97	1.8
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	--	1953-97	9-15-97	1.1
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 1990-97	9-25-97	3.8

* Operated as a continuous-record gaging station.
[b] About

Discharge measurements made at low-flow partial-record stations during water year 1997—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 1980-97	7-8-97	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 1973-97	7-8-97	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 1973-97	7-8-97	.95
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	--	1953-97	7-15-97	.81
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 1983-97	7-15-97	2.4
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	--	1973-97	7-10-97	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	--	1973-97	7-10-97	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	--	1963-97	7-18-97	.31
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 1965-97	7-18-97	3.2
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	--	1973-97	7-18-97	0
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43′17″, long 73°35′00″, Nassau County, at bridge on Hempstead Turnpike, 0.9 mi northeast of Uniondale, and 3.9 mi upstream from gage at Freeport	--	1973-97	7-2-97	.06
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	--	1973-97	7-2-97	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 1990-97	7-2-97	1.1

Discharge measurements made at low-flow partial-record stations during water year 1997—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 1990-97	7-3-97	2.7
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	--	1953-97	7-3-97	2.4
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 1991-97	7-11-97	1.1
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 1995-97	7-11-97	.02
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	--	1954-97	7-17-97	.25
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	--	1953-97	7-17-97	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.

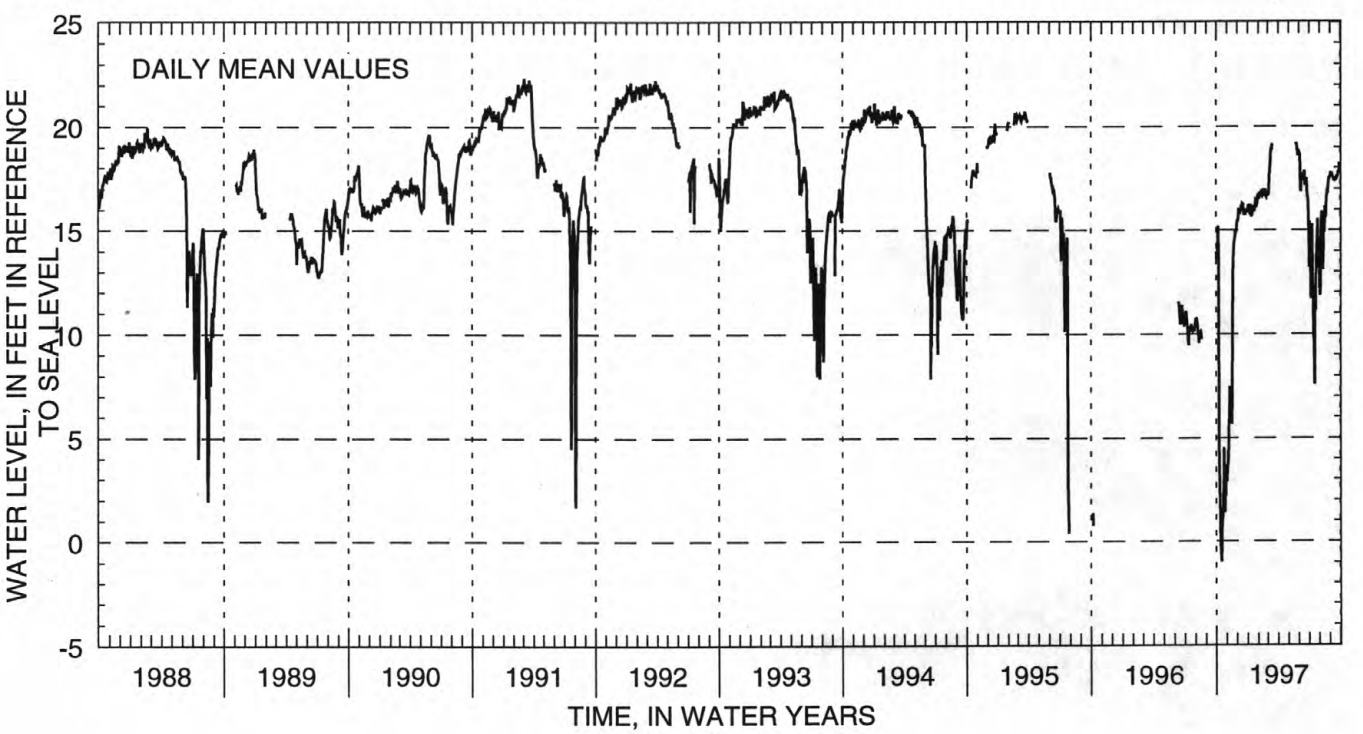
PERIOD OF RECORD.—January 1946 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970- 75, are available in files of the Long Island Subdistrict office.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.37	4.39	15.55	16.23	16.82	17.12	---	---	18.02	13.90	14.85	17.70
10	4.38	7.46	15.82	16.25	16.75	18.76	---	---	17.75	14.83	14.19	17.52
15	-0.44	6.43	16.12	15.82	16.90	---	---	---	17.61	9.80	14.88	17.44
20	1.02	13.63	15.92	16.02	16.73	---	---	---	17.15	11.54	15.76	17.62
25	3.57	14.69	15.83	16.57	16.60	---	---	19.20	16.97	14.92	16.96	17.80
EOM	3.69	15.09	15.91	16.63	16.65	---	---	18.70	15.20	13.55	17.52	18.17
MEAN	5.27	9.17	15.89	16.07	16.74	---	---	---	17.44	12.92	15.38	17.63
MAX	15.20	15.09	16.30	16.63	16.98	---	---	---	18.77	15.55	17.52	18.22
MIN	-0.98	2.87	15.32	15.67	16.50	---	---	---	15.20	7.56	11.85	17.38

WTR YR 1997 MEAN 14.34 MAX 19.20 MIN -0.98



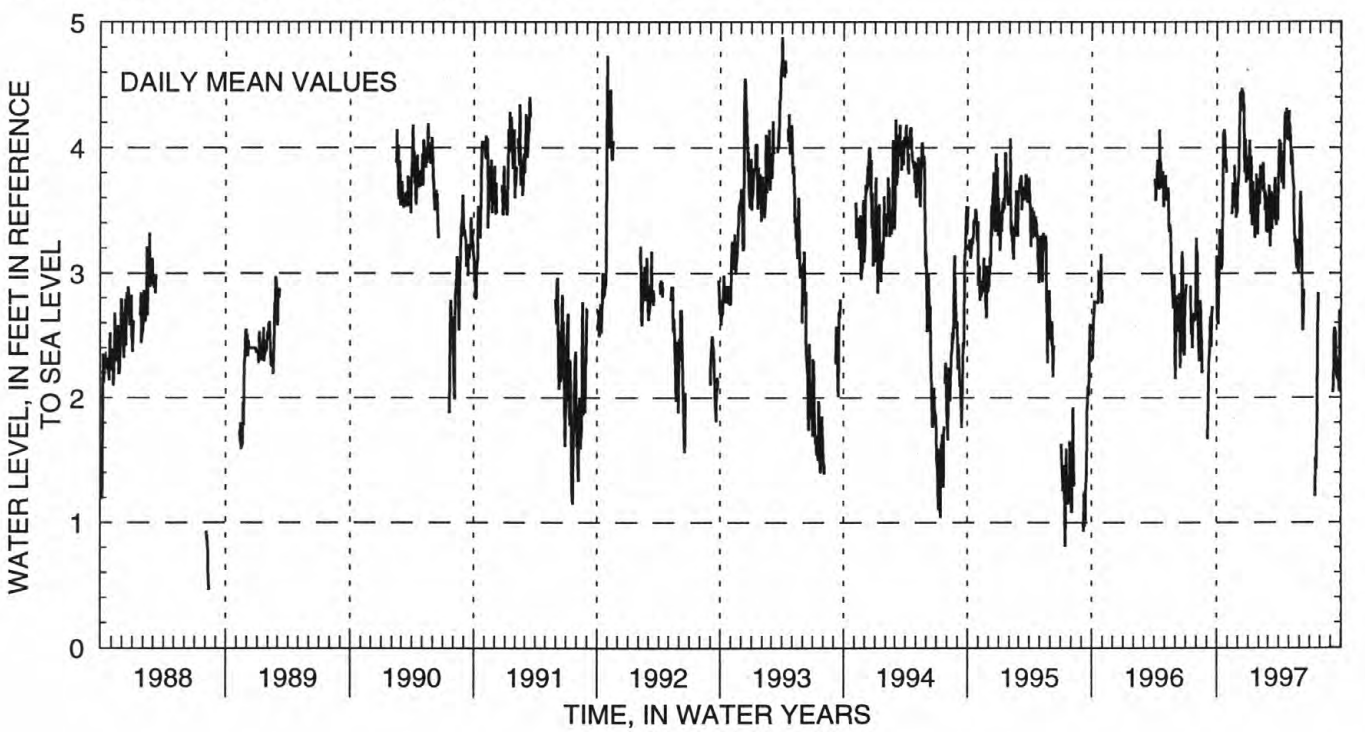
CONTINUOUS RECORDING STATIONS

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.59	---	3.80	4.06	3.86	3.67	3.96	4.06	3.59	---	---	---
10	3.33	---	4.35	3.93	3.76	3.62	3.72	3.98	2.84	---	---	2.10
15	3.03	3.49	4.42	3.47	3.86	3.63	3.67	3.69	---	---	---	2.52
20	4.10	3.85	3.98	3.45	3.50	3.70	4.28	3.28	---	1.52	---	2.18
25	4.00	3.51	3.80	3.79	3.34	3.38	4.24	3.09	---	2.52	---	2.32
EOM	---	3.48	3.81	3.67	3.32	3.69	4.19	3.16	---	---	---	2.56
MEAN	3.37	3.63	4.07	3.59	3.63	3.53	4.01	3.56	---	---	---	2.32
MAX	4.14	3.85	4.47	4.06	3.88	3.76	4.31	4.29	---	---	---	2.70
MIN	2.59	3.44	3.63	3.28	3.32	3.21	3.67	3.00	---	---	---	2.04

WTR YR 1997 MEAN 3.48 MAX 4.47 MIN 1.21



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.

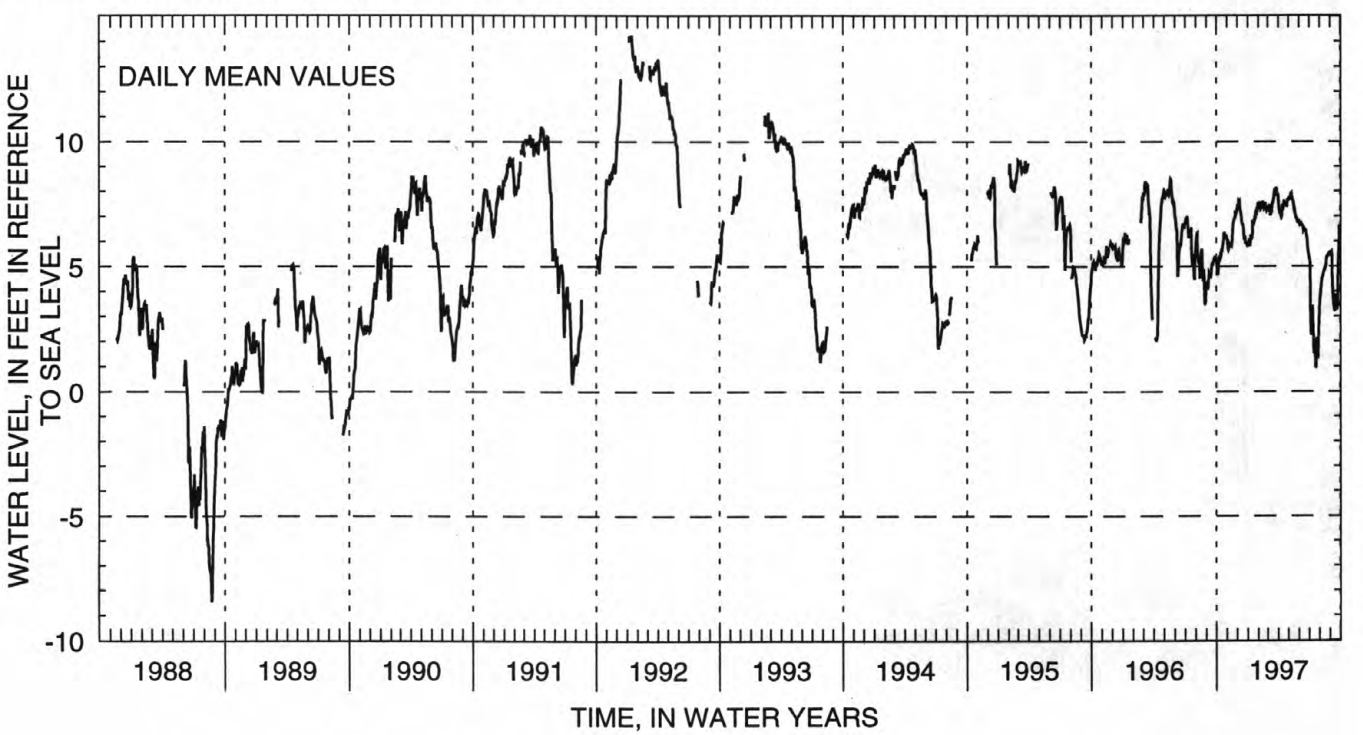
PERIOD OF RECORD.—February 1946 to current year. Unpublished records from February 1946 to September 1975 are available in files of the Long Island Subdistrict office.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.65	5.71	7.34	5.96	7.57	7.26	7.09	7.65	6.75	4.14	4.06	5.52
10	5.40	5.88	7.23	6.24	7.36	7.28	6.97	7.92	6.64	3.04	4.57	3.86
15	5.46	5.81	6.75	6.28	7.59	7.58	7.23	7.61	6.42	1.87	4.81	3.27
20	5.83	6.73	6.41	6.87	7.36	7.92	7.43	7.24	6.43	1.41	4.99	3.45
25	6.30	6.96	6.10	7.24	7.23	7.87	7.45	6.96	6.15	1.77	5.42	4.48
EOM	6.20	7.14	5.85	7.46	7.22	7.89	7.61	6.78	5.49	2.95	5.50	6.10
MEAN	5.59	6.32	6.72	6.52	7.39	7.58	7.38	7.38	6.42	2.60	4.79	4.47
MAX	6.35	7.21	7.60	7.46	7.59	8.14	7.75	7.92	6.79	5.41	5.55	6.64
MIN	4.65	5.66	5.85	5.78	7.22	7.04	6.97	6.76	5.49	0.93	3.28	3.20

WTR YR 1997 MEAN 6.08 MAX 8.14 MIN 0.93



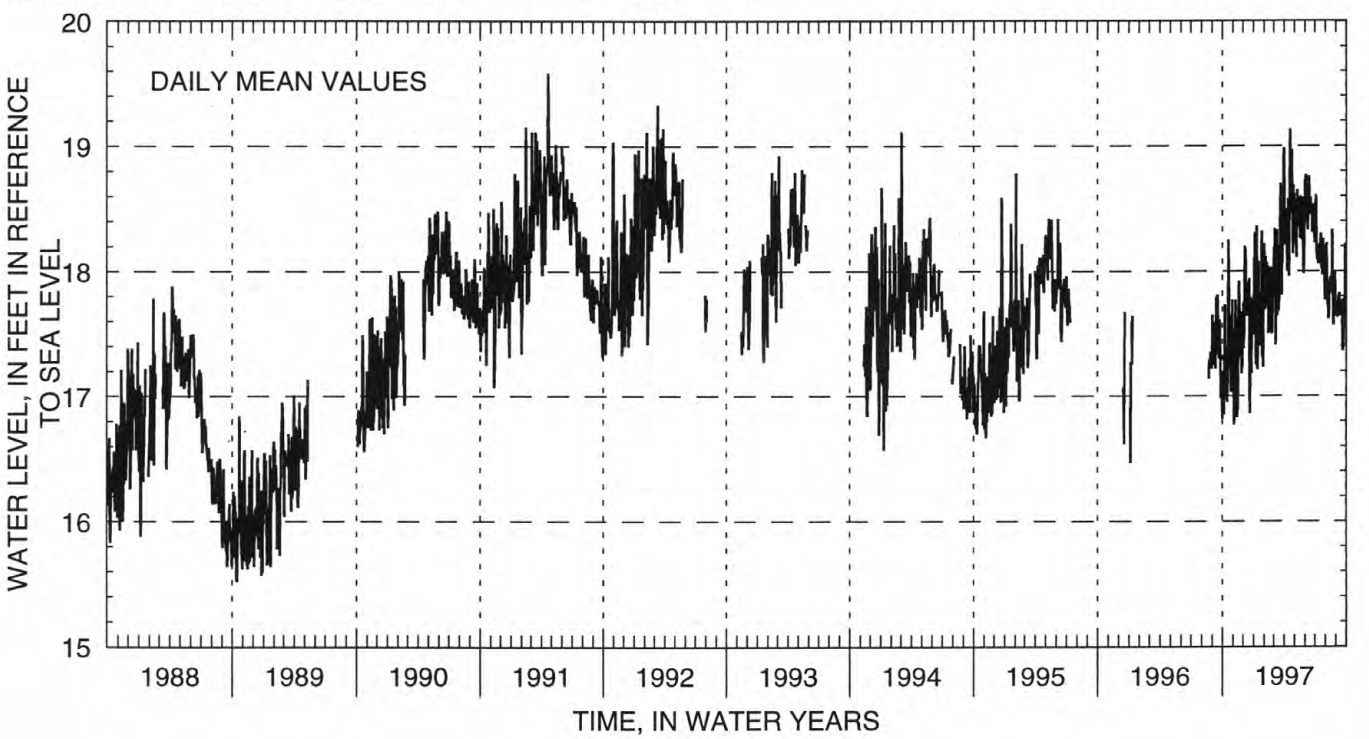
CONTINUOUS RECORDING STATIONS

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.85	16.81	17.48	18.31	18.12	18.11	18.21	18.29	18.67	18.33	18.23	17.70
10	17.50	17.44	17.70	18.36	17.89	18.23	18.01	18.65	18.33	18.17	17.62	17.80
15	16.95	16.89	17.78	17.50	17.91	18.21	17.96	18.59	18.46	18.22	17.95	17.70
20	17.99	17.74	17.10	17.62	17.54	18.37	18.91	18.60	18.45	18.04	17.87	17.77
25	17.24	17.40	17.34	18.32	17.53	17.82	18.62	18.59	18.48	18.26	17.57	17.77
EOM	17.54	17.36	17.52	18.11	17.78	18.97	18.35	18.35	18.23	17.77	17.74	17.90
MEAN	17.31	17.32	17.64	17.69	17.80	18.11	18.47	18.39	18.50	18.18	17.87	17.70
MAX	18.25	17.92	18.20	18.36	18.22	18.97	19.13	18.65	18.77	18.61	18.33	18.22
MIN	16.82	16.77	16.86	17.21	17.50	17.41	17.96	17.98	18.23	17.77	17.57	17.36

WTR YR 1996 MEAN 17.91 MAX 19.13 MIN 16.77



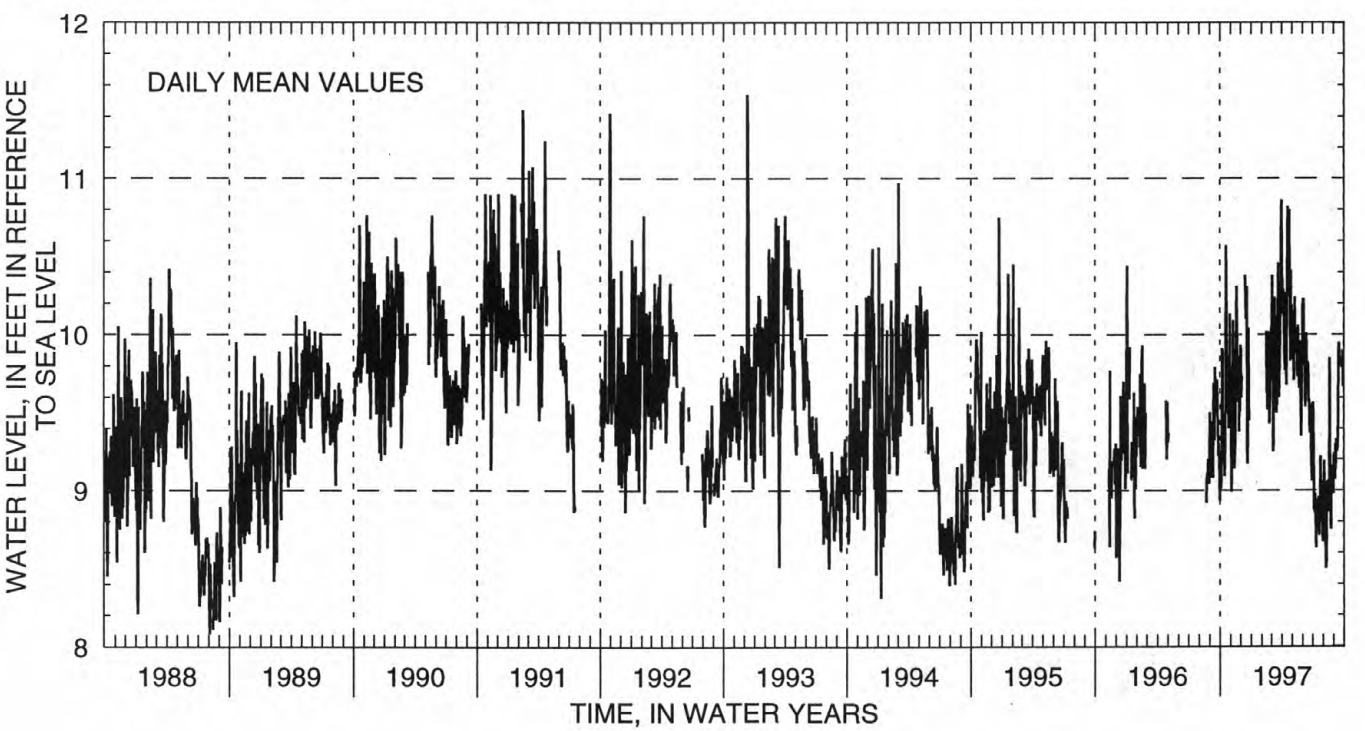
CONTINUOUS RECORDING STATIONS

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.01	9.09	9.73	---	---	10.14	10.13	9.90	10.19	9.14	9.19	9.18
10	9.70	9.73	---	---	---	10.13	9.82	10.24	9.54	8.90	8.50	9.33
15	9.09	9.31	10.33	---	10.02	10.12	9.68	10.02	9.69	8.94	9.02	9.44
20	10.39	10.03	9.30	---	9.52	10.14	10.73	10.06	9.58	8.76	9.14	9.85
25	9.58	9.71	9.59	---	9.54	9.66	10.40	9.90	9.56	9.22	8.75	9.81
EOM	9.80	9.58	---	---	9.71	10.74	10.01	9.68	9.06	8.69	9.12	9.67
MEAN	9.55	9.62	9.83	---	9.69	9.97	10.23	9.88	9.70	8.96	8.97	9.53
MAX	10.57	10.31	10.38	---	10.02	10.74	10.86	10.24	10.23	9.57	9.85	9.95
MIN	8.93	8.99	9.17	---	9.43	9.25	9.68	9.35	9.06	8.63	8.50	8.98

WTR YR 1997 MEAN 9.62 MAX 10.86 MIN 8.50



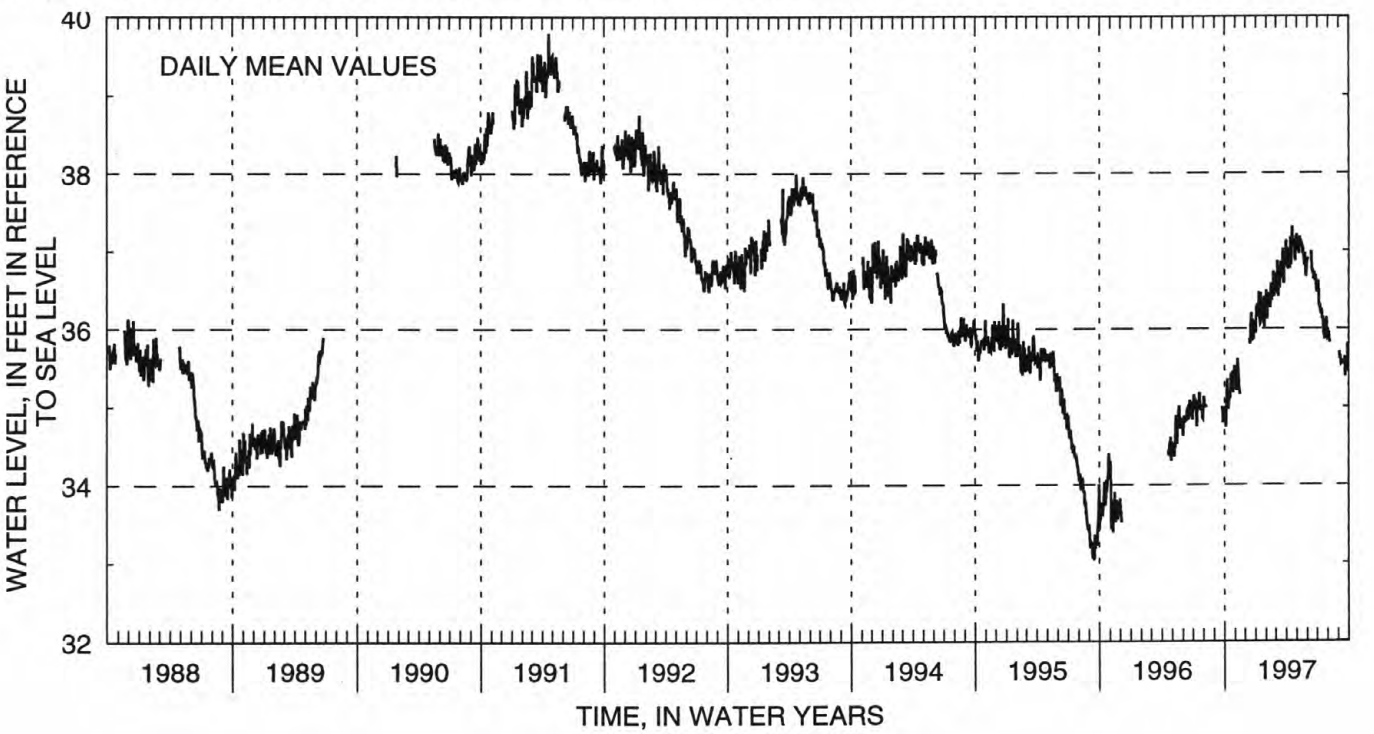
CONTINUOUS RECORDING STATIONS

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.74	35.23	---	36.30	36.46	36.56	36.76	36.99	---	36.46	35.95	35.70
10	35.27	35.51	---	36.47	36.39	36.71	36.81	37.18	---	36.27	---	35.54
15	35.08	35.16	35.80	36.07	36.58	36.86	36.82	37.10	36.76	36.19	---	35.58
20	35.42	---	36.06	36.27	36.44	36.86	37.10	37.04	36.66	35.93	---	35.64
25	35.32	---	36.06	36.41	36.41	36.59	36.98	36.95	36.65	36.00	---	35.61
EOM	35.52	---	35.99	36.38	36.50	37.13	37.10	36.82	36.48	35.88	---	35.77
MEAN	35.18	35.35	35.98	36.21	36.43	36.72	36.99	36.99	36.73	36.17	---	35.58
MAX	35.52	35.61	36.20	36.47	36.73	37.13	37.31	37.21	36.99	36.61	---	35.81
MIN	34.74	35.16	35.80	35.94	36.12	36.41	36.76	36.67	36.48	35.86	---	35.39

WTR YR 1997 MEAN 36.25 MAX 37.31 MIN 34.74



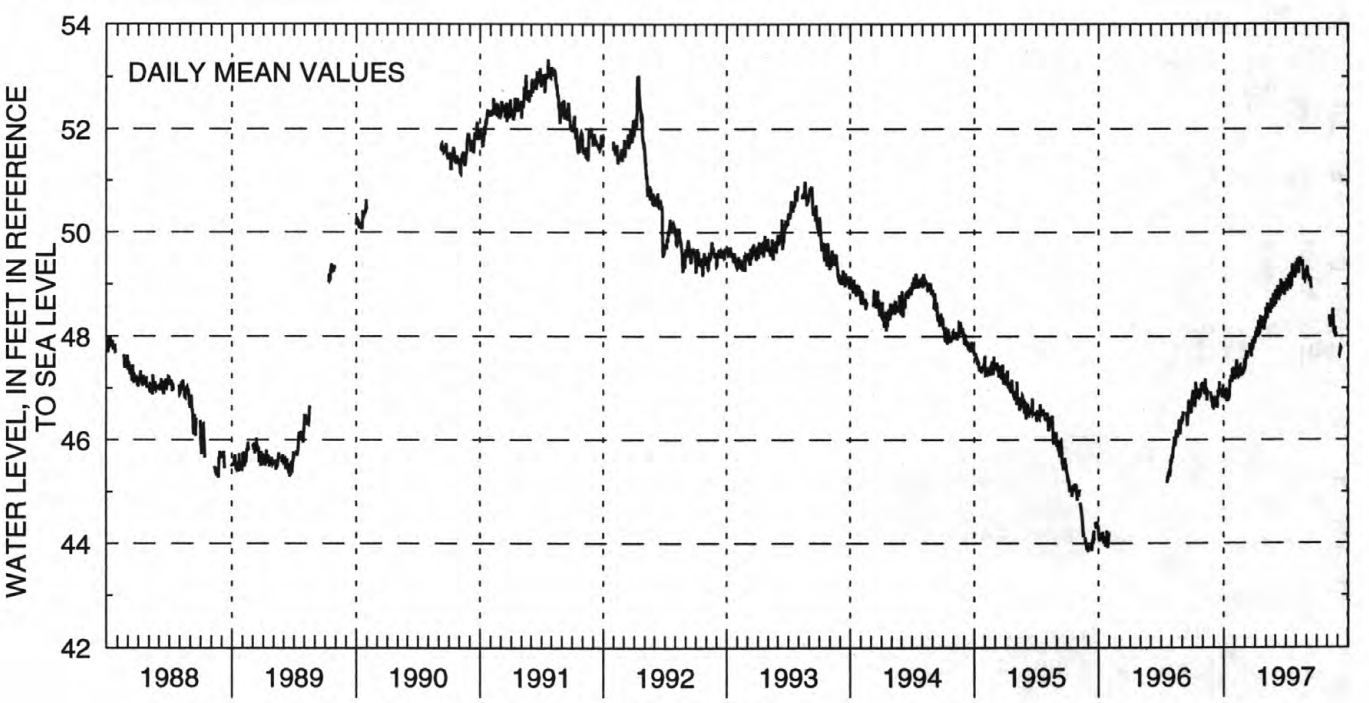
CONTINUOUS RECORDING STATIONS

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.81	47.28	47.63	47.98	48.37	48.90	48.88	49.32	49.25	---	---	---
10	46.85	47.34	47.66	48.16	48.51	48.71	49.18	49.22	49.07	---	48.22	47.79
15	46.83	47.24	47.69	48.09	48.51	48.84	49.01	49.45	48.97	---	48.36	---
20	47.14	47.27	47.77	48.16	48.58	48.84	49.30	49.36	---	---	48.26	---
25	47.12	47.39	47.93	48.19	48.75	49.05	49.24	49.16	---	---	48.18	---
EOM	47.33	47.41	47.86	48.25	48.72	48.91	49.17	49.30	---	---	---	---
MEAN	47.02	47.32	47.73	48.16	48.57	48.87	49.10	49.32	49.15	---	48.24	---
MAX	47.40	47.54	47.99	48.40	48.82	49.09	49.39	49.52	49.35	---	48.53	---
MIN	46.75	47.17	47.37	47.92	48.34	48.62	48.88	49.09	48.93	---	47.99	---

WTR YR 1997 MEAN 48.29 MAX 49.52 MIN 46.75



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	9.87	Feb 26	9.88	May 29	10.06	Jun 26	10.13	Jul 23	10.15	Sep 29	10.54
Jan 24	9.89	Mar 17	9.91								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	4.56	Feb 28	5.36	May 29	3.97	Jun 26	4.04	Jul 23	4.01	Sep 29	4.03
Jan 24	5.42										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	7.36	Feb 28	7.27	May 29	7.28	Jun 26	7.52	Jul 23	7.47	Sep 29	7.64
Jan 24	7.26	Mar 18	7.32								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	8.61	Jan 24	8.45	Feb 26	8.38						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	4.96	Feb 26	4.19	May 29	4.18	Jun 26	4.27	Jul 23	4.14	Sep 29	4.25
Jan 24	4.07	Mar 18	4.03								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	3.29	Feb 26	3.09	May 29	3.15	Jun 26	3.15	Jul 23	3.09	Sep 29	3.22
Jan 24	3.11	Mar 18	3.13								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	1.83	Feb 26	1.63	May 29	1.60	Jun 26	1.54	Jul 23	1.38	Sep 29	1.47
Jan 24	1.64	Mar 18	1.60								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	5.83	Jan 24	5.63	Feb 26	5.52	Mar 18	5.45	May 29	5.52	June 26	5.47

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	5.80	Feb 26	5.52	May 29	5.47	June 26	5.36	Jul 23	5.16	Sep 29	5.15
Jan 24	5.61	Mar 18	5.46								

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	26.69	Feb 28	26.82	May 29	27.43	Jun 26	27.61	July 23	27.56	Sep 29	27.18
Jan 24	26.81	Mar 18	26.89								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	5.14	Feb 26	4.85	May 29	4.89	Jun 26	4.84	Jul 23	4.73	Sep 29	4.72
Jan 24	4.94	Mar 18	4.81								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	4.97	Feb 26	4.96	May 29	4.76	Jun 26	4.82	Jul 23	4.68	Sep 29	4.98
Jan 24	4.65	Mar 18	4.69								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 7	5.95	Feb 28	5.85	May 29	5.64	Jun 26	5.58	Jul 23	5.47	Sep 29	5.46
Jan 24	5.79	Mar 18	5.83								

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.

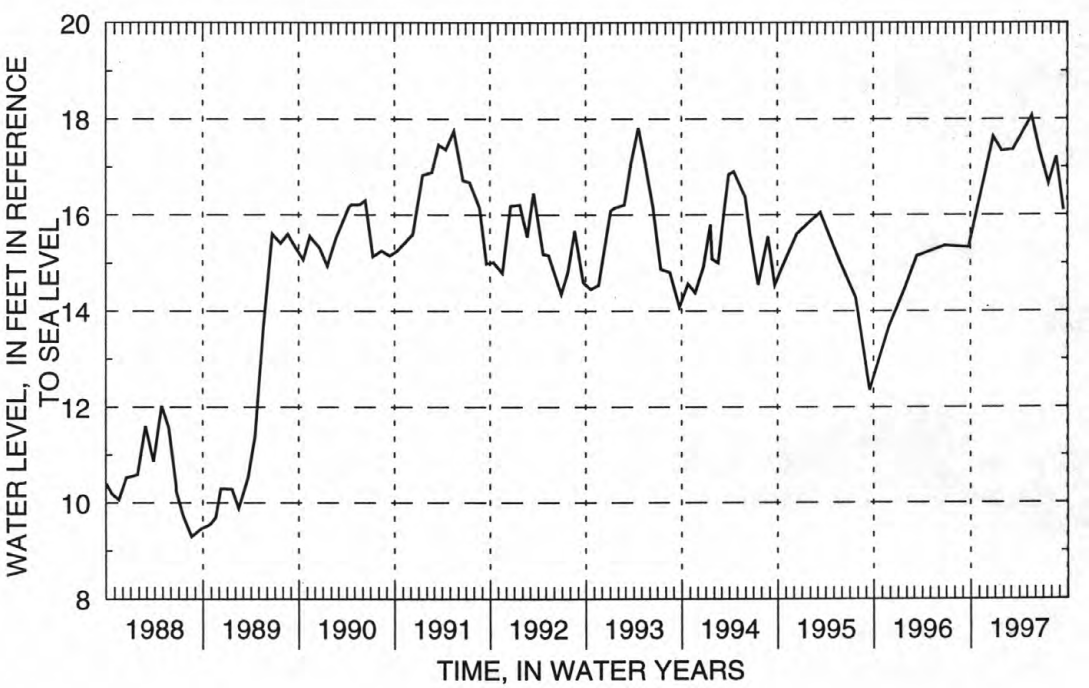
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	7.66	Feb 26	8.55	May 21	9.02	Jul 23	4.88	Aug 22	6.44	Sep 18	5.64
Jan 27	7.67	Mar 10	8.78	Jun 19	8.08						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	17.63	Feb 26	17.36	May 21	18.06	Jul 23	16.66	Aug 22	17.21	Sep 18	16.09
Jan 27	17.34	Mar 10	17.36	Jun 19	17.34						

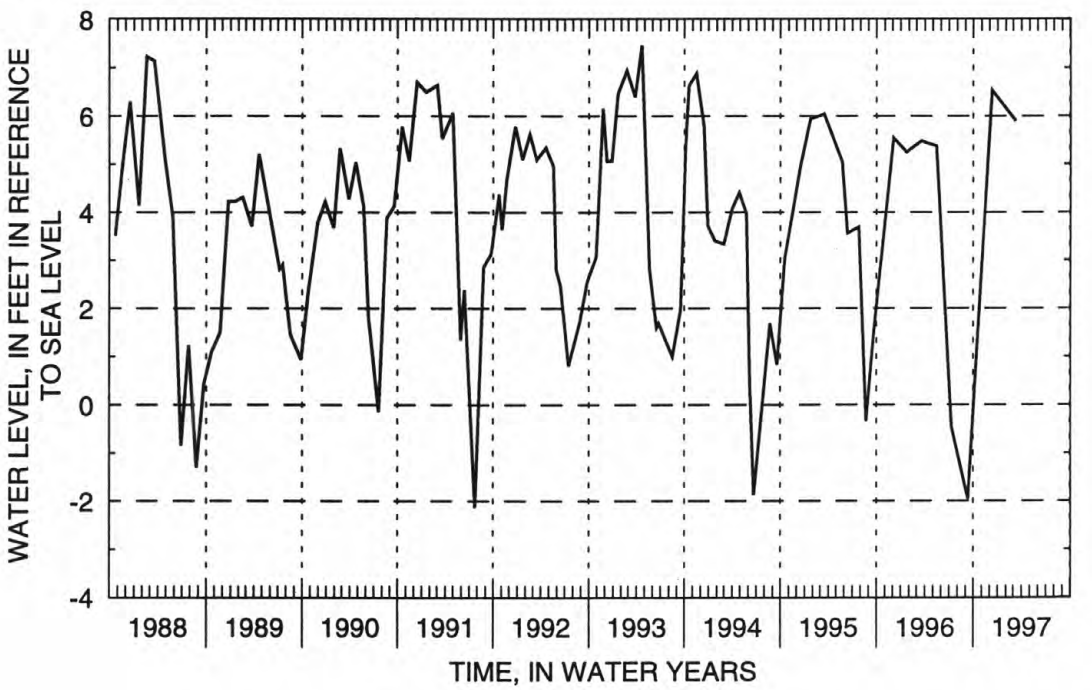


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	6.53	Mar 10	5.90								

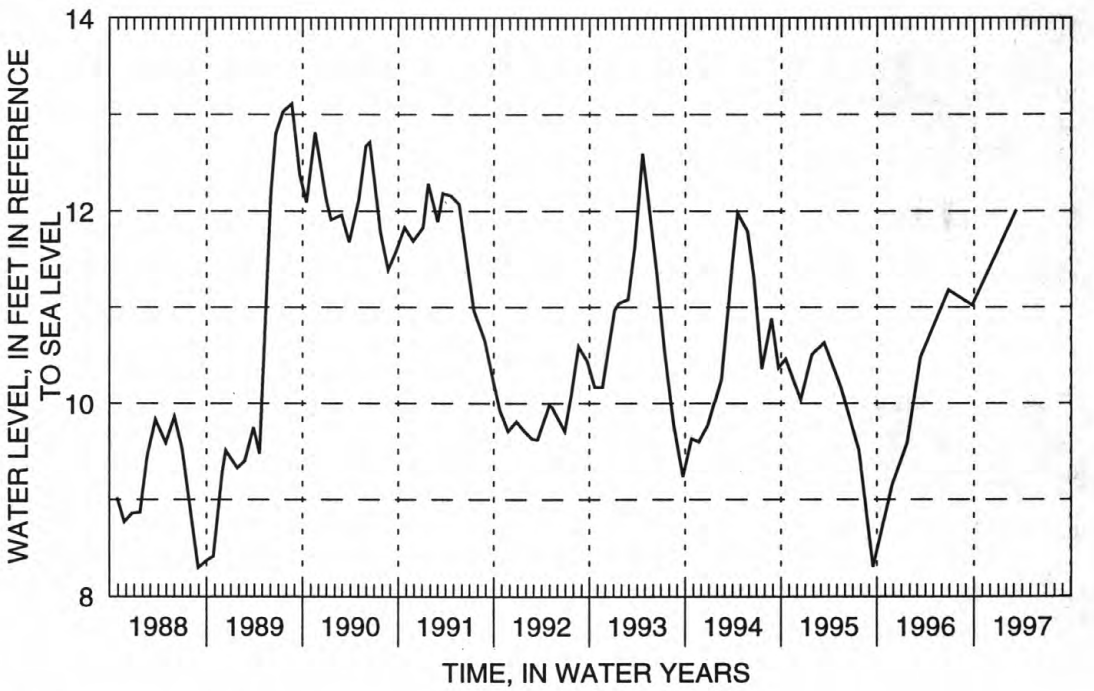


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 10	12.01										



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 31	10.45	May 28	11.01	Jun 24	10.13	Jul 28	9.47	Aug 22	8.84	Sep 19	8.89
Mar 11	11.49										

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.

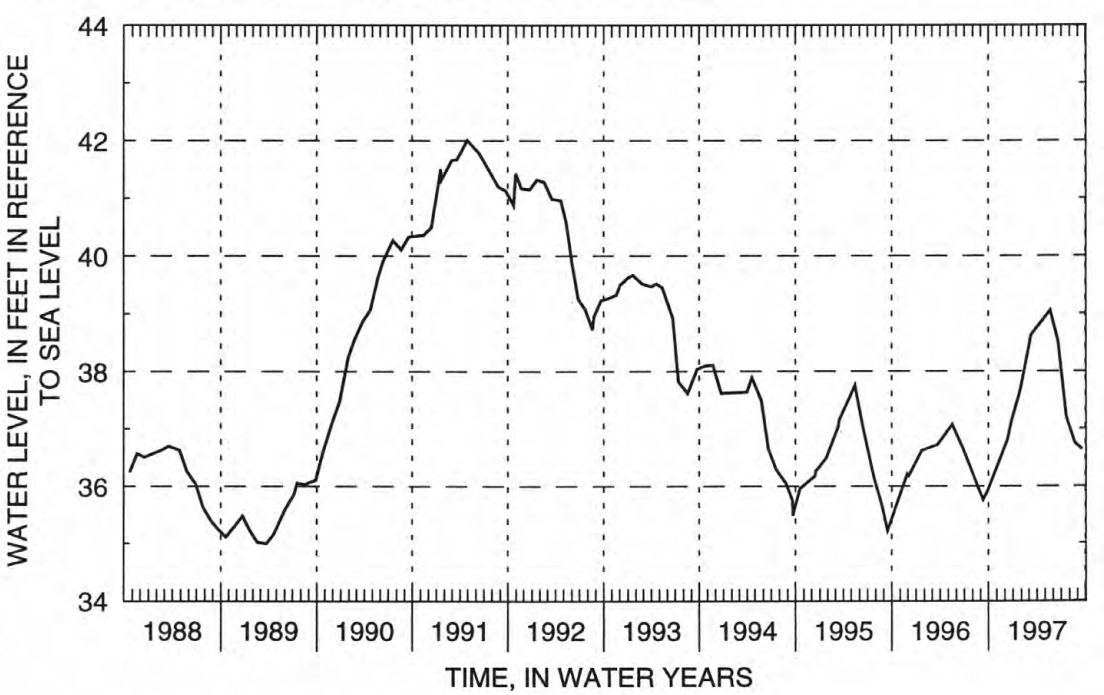
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	15.91	Feb 26	15.87	May 21	14.96	Jul 23	12.95	Aug 22	14.71	Sep 18	12.43
Jan 31	15.95	Mar 12	16.29	Jun 19	13.81						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	36.81	Jan 27	37.65	Mar 10	38.63	Jun 19	38.53	Aug 22	36.75	Sep 18	36.64
Dec 27	37.14	Feb 26	38.34	May 21	39.05	Jul 21	37.20				

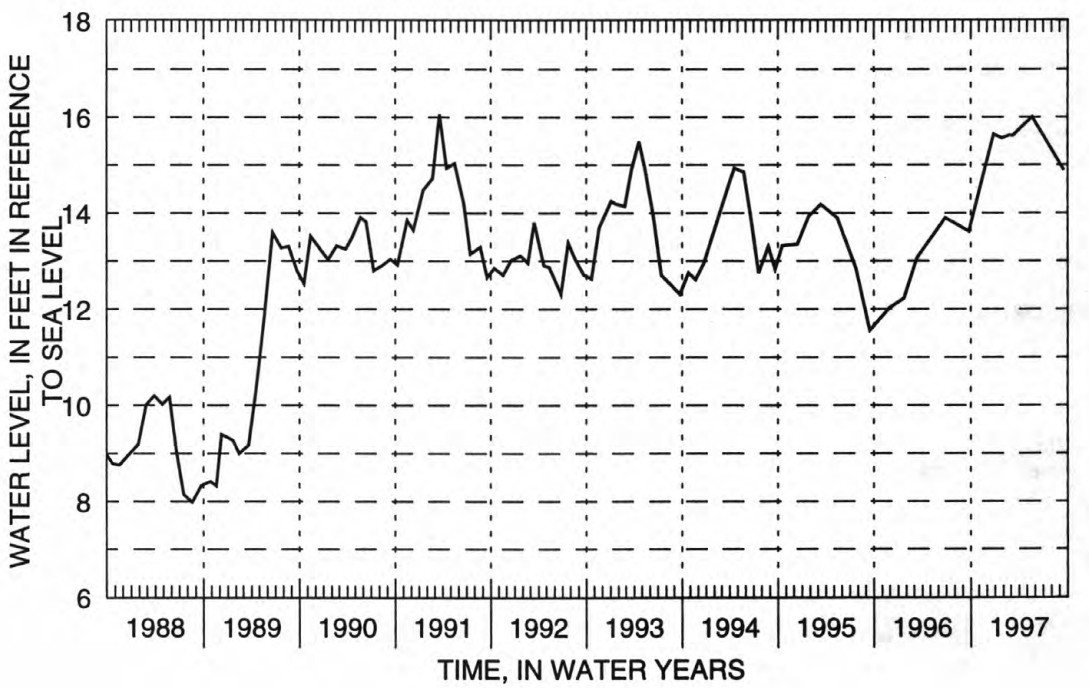


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	15.64	Jan 27	15.56	Mar 10	15.61	May 21	16.00	Sep 18	14.89		

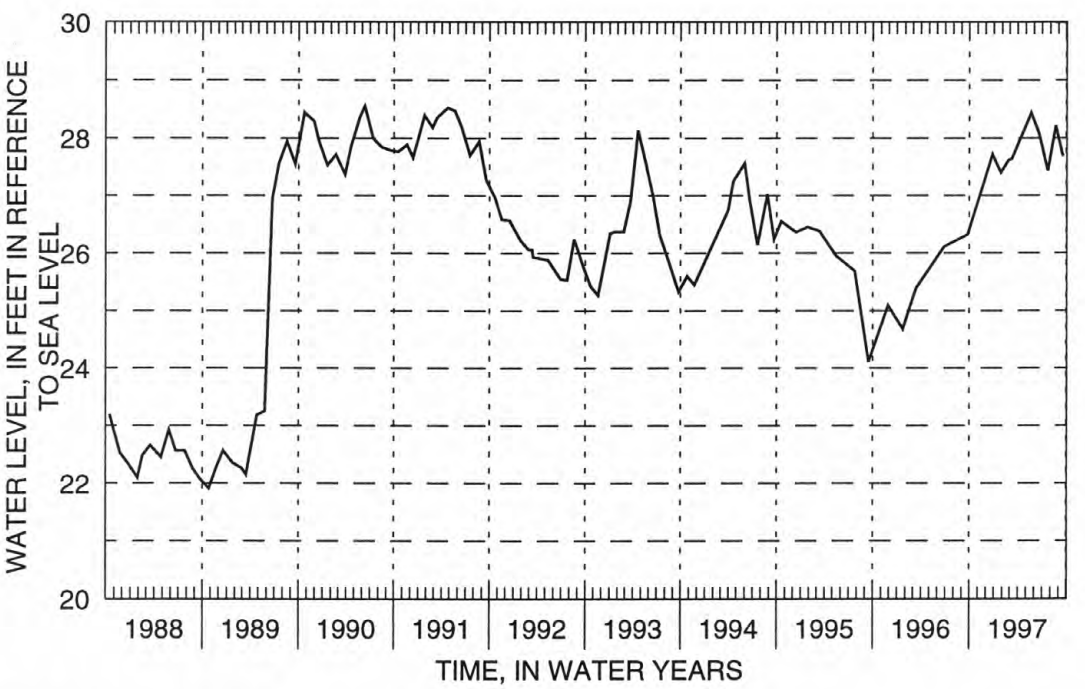


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	27.71	Feb 26	27.62	May 21	28.43	Jul 23	27.43	Aug 22	28.21	Sep 18	27.68
Jan 27	27.40	Mar 10	27.64	Jun 19	28.08						



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	47.89	Feb 26	48.92	May 22	49.63	Jul 22	49.34	Aug 20	49.14	Sep 16	49.02
Jan 27	48.52	Mar 12	48.89	Jun 18	49.69	Aug 19	49.17				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	77.80	Feb 26	78.19	May 22	78.90	Jul 23	78.68	Aug 20	78.92	Sep 16	78.97
Jan 27	77.71	Mar 12	78.01	Jun 18	78.98	Aug 19	78.86				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 10	66.85										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	59.29	Feb 26	60.72	May 22	62.13	Jul 22	62.08	Aug 21	61.80	Sep 16	61.70
Jan 27	60.04	Mar 11	60.97	Jun 18	62.33	Aug 19	61.80				

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.

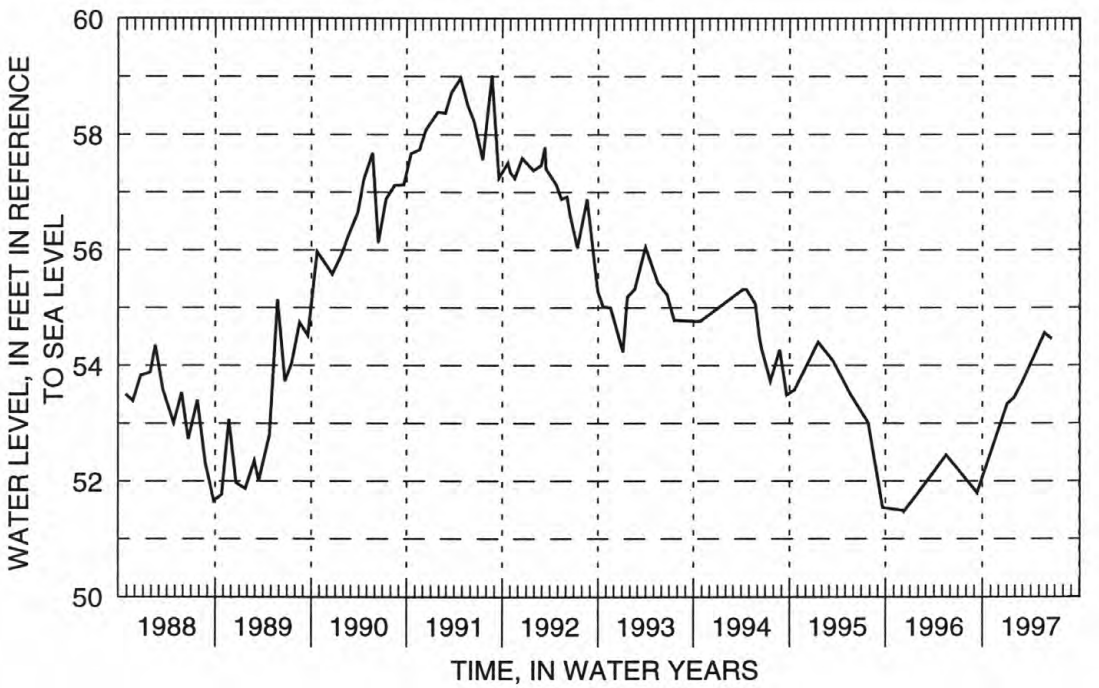
REMARKS.—Replaced well N1243.4 in September 1975 at same location, unpublished records from November 1939 to September 1975 are available in files of the Long Island Subdistrict Office.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	53.44	Feb 26	53.70	May 22	54.56	Jun 18	54.46				

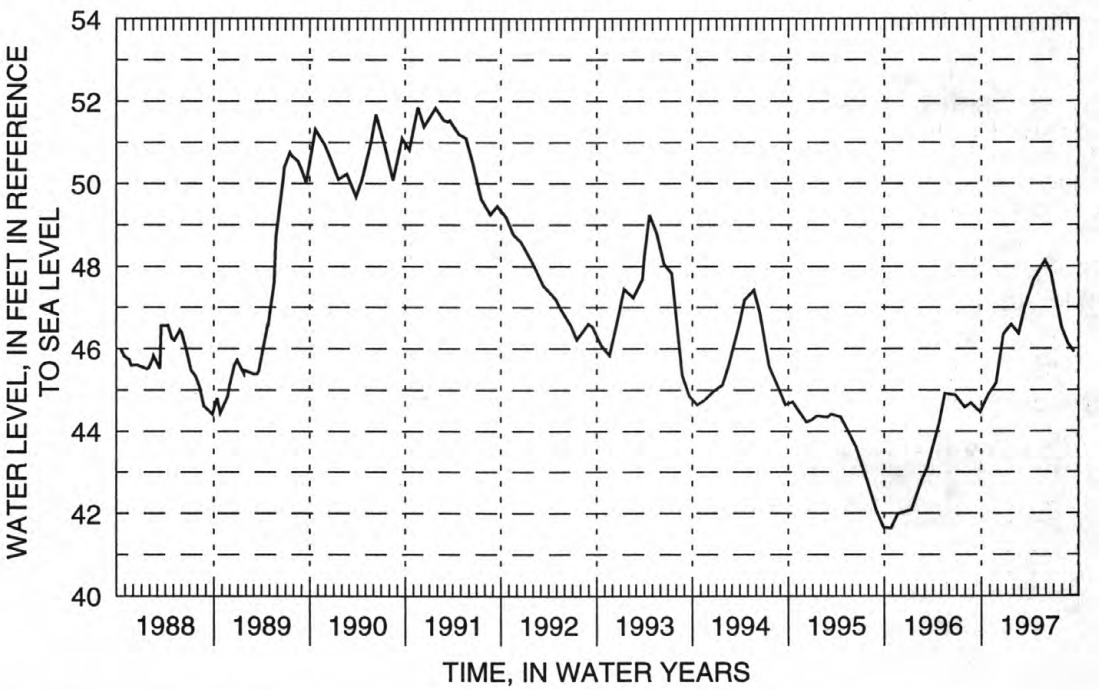


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	44.90	Dec 23	46.35	Feb 19	46.37	Apr 16	47.67	Jun 20	47.85	Aug 25	46.12
Nov 25	45.17	Jan 22	46.59	Mar 12	46.96	May 29	48.14	Jul 31	46.52	Sep 16	45.92



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	16.43	Feb 26	16.16	May 21	16.12	Jul 23	15.08	Aug 22	15.26	Sep 19	14.99
Jan 31	16.03	Mar 12	16.20	Jun 19	15.79						

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	7.60	Mar 10	7.31								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	8.49	Mar 10	8.41								

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	9.32	Mar 10	9.23								

PRIMARY WELLS

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.

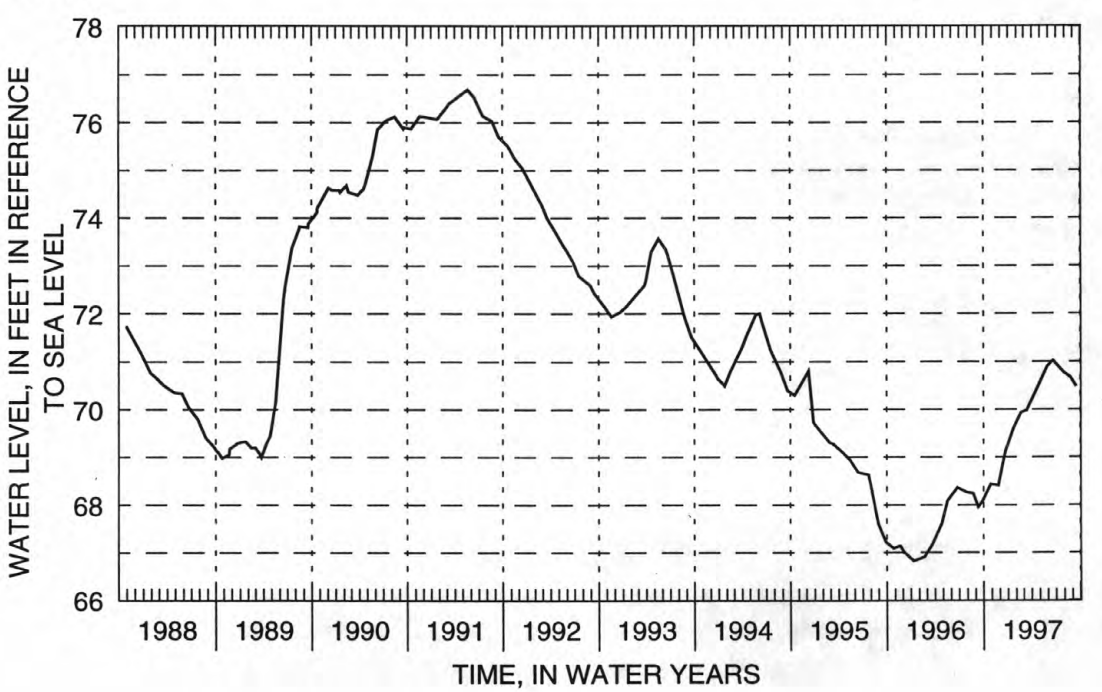
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	38.50	Jan 22	39.64	Mar 11	39.87	Apr	40.33	Jun 20	40.00	Aug 25	38.88
Nov 25	38.43	Feb 21	39.92	Mar 12	39.83	May	40.34	Jul 31	38.98	Sep 16	38.59
Dec 23	39.84										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	68.43	Dec 23	69.14	Feb 19	69.93	Apr 16	70.38	Jun 20	71.02	Aug 25	70.67
Nov 25	68.41	Jan 22	69.61	Mar 12	69.98	May 29	70.90	Jul 31	70.77	Sep 16	70.49
Dec 11	68.85										



PRIMARY WELLS

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	65.05	Feb 26	65.53	May 22	66.34	Jul 22	65.95	Aug 20	65.76	Sep 17	65.51
Jan 27	65.06	Mar 11	66.58	Jun 18	66.32	Aug 19	65.77				

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 1996 TO SEPTEMBER 1997

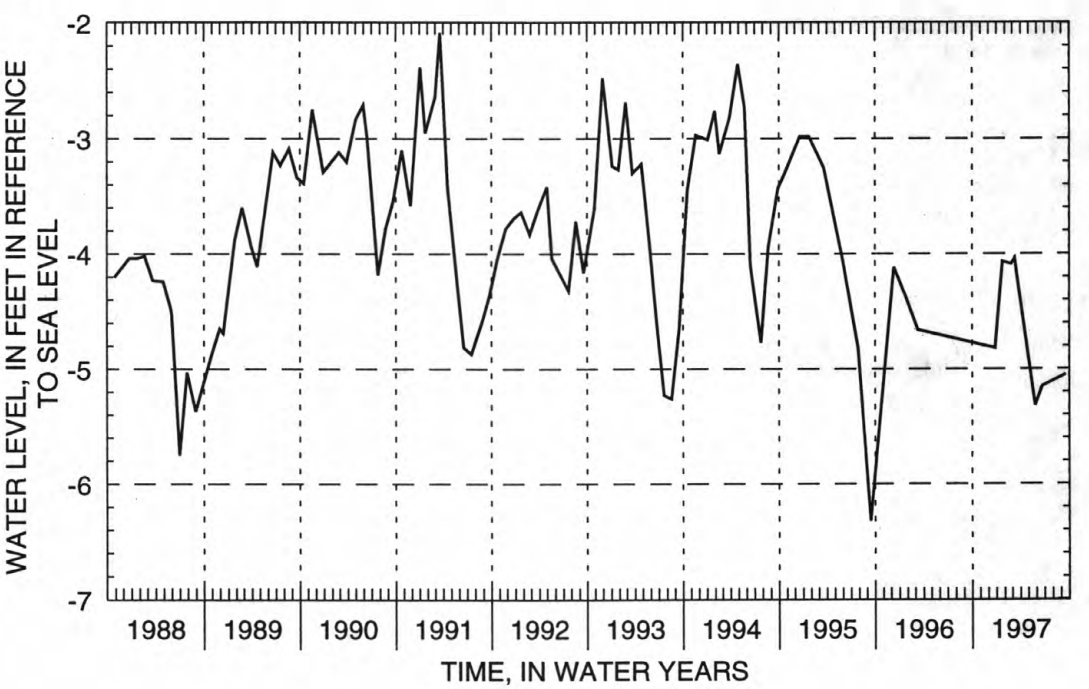
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	30.27	Feb 26	30.83	May 21	31.51	Jul 23	29.86	Aug 22	29.99	Sep 19	29.98
Jan 31	30.59	Mar 12	30.97	Jun 19	31.51						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	-4.82	Feb 26	-4.09	Mar 11	-4.04	May 27	-5.32	Jun 23	-5.15	Sep 18	-5.05
Jan 24	-4.07										

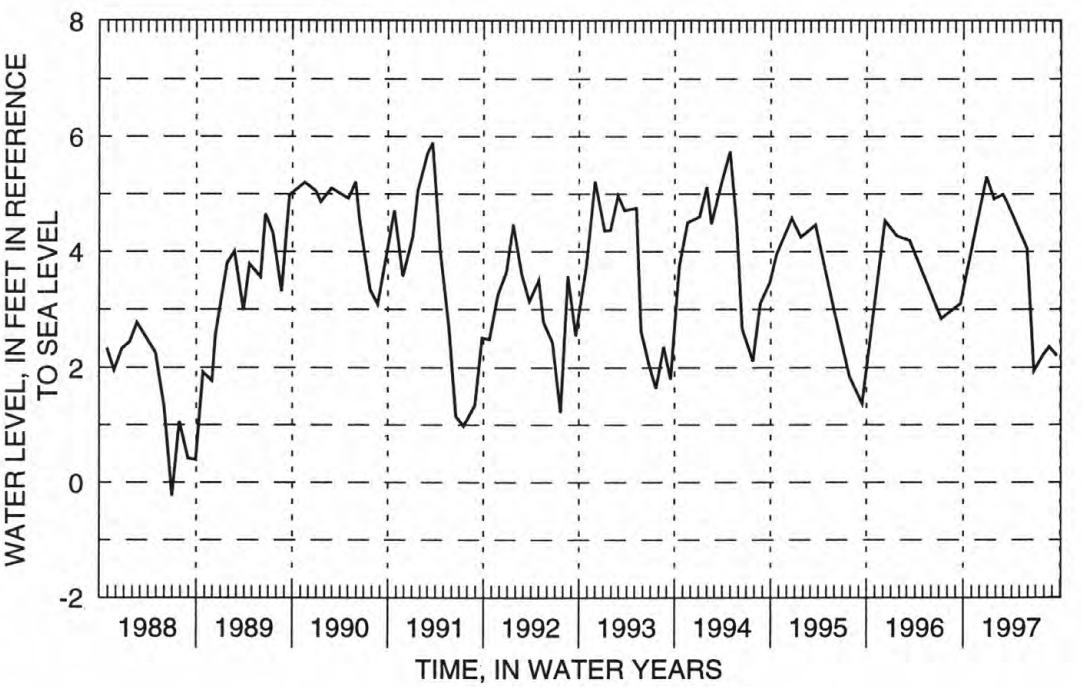


PRIMARY WELLS

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	5.30	Feb 26	4.99	May 28	4.05	Jul 28	2.21	Aug 20	2.35	Sep 18	2.20
Jan 24	4.91	Mar 11	4.88	Jun 24	1.94						



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	4.22	Feb 26	3.79	Mar 11	5.14	May 27	3.50	Jun 23	2.57	Sep 18	2.74
Jan 24	3.94										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	4.70	Feb 26	3.91	May 27	3.45	Jul 28	3.35	Aug 20	3.29	Sep 19	3.41
Jan 24	4.60	Mar 11	4.66	Jun 24	2.83						

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	4.98	Feb 26	4.76	May 28	3.81	Jul 23	1.37	Aug 20	2.07	Sep 18	2.06
Jan 24	4.80	Mar 11	4.60	Jun 24	1.78						

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, westernmost 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.

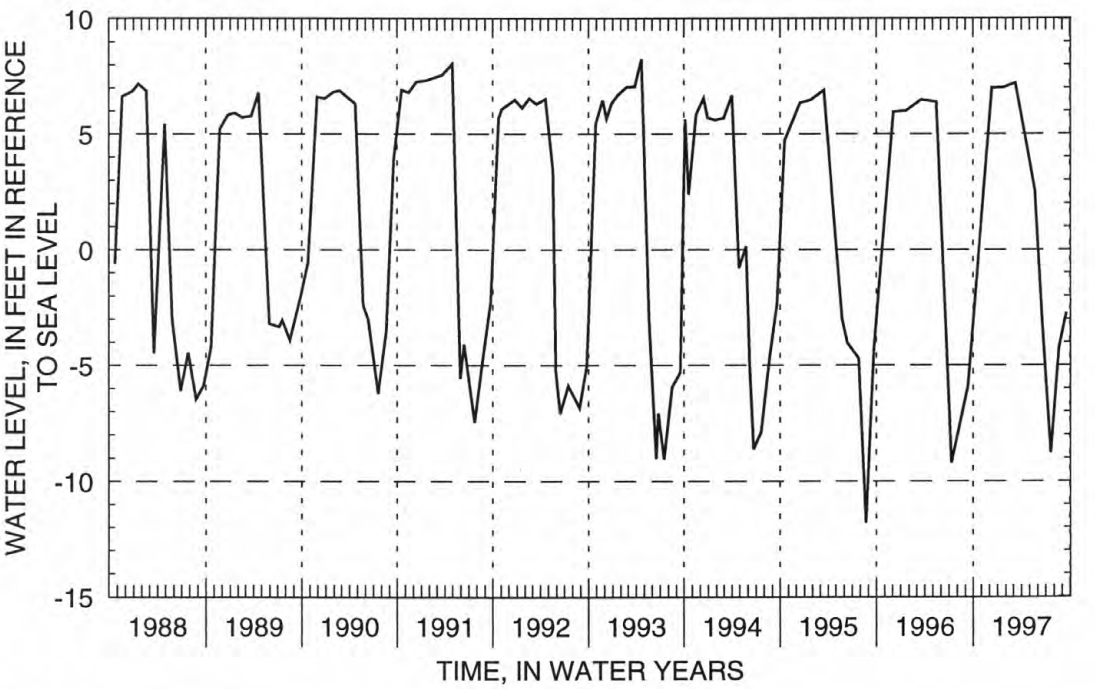
REMARKS.—Water level affected by tidal fluctuation and nearby pumping.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	7.00	Mar 10	7.21	Jun 19	-3.34	Jul 21	-8.78	Aug 20	-4.25	Sep 17	-2.73
Jan 24	7.02	May 22	2.57								



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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	64.58	Feb 26	65.34	May 22	66.20	Jul 22	65.92	Aug 20	65.70	Sep 17	65.46
Jan 27	65.02	Mar 11	65.41	Jun 18	66.25	Aug 19	65.74				

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	18.41	Mar 11	19.15	Jun 19	20.43	Jul 21	20.71	Aug 20	20.63	Sep 17	20.25
Jan 24	18.81	May 22	19.82								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	66.70	Feb 26	66.11	May 22	66.49	Jul 22	66.96	Aug 20	67.22	Sep 17	67.03
Jan 27	66.16	Mar 11	66.17	Jun 18	66.73	Aug 19	67.25				

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 easternmost 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.

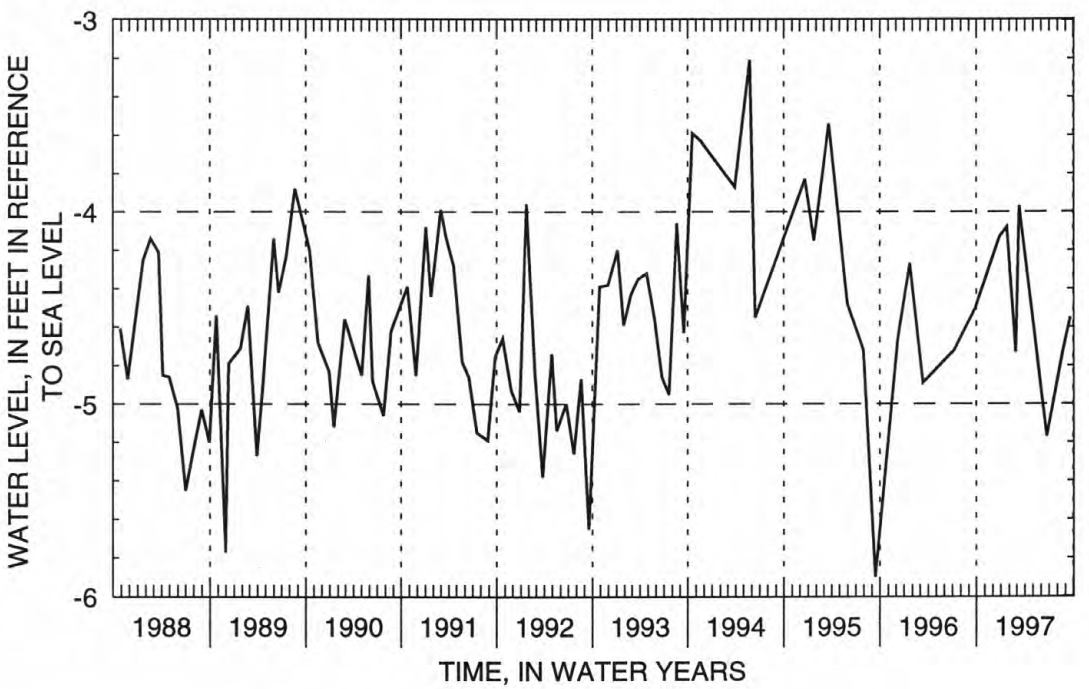
REMARKS.—Water level affected by tidal fluctuation.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	-4.13	Feb 26	-4.73	May 27	-4.86	Jun 23	-5.17	Aug 20	-4.74	Sep 19	-4.55
Jan 21	-4.08	Mar 11	-3.97								



03517073430705. 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 westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	1.41	Feb 26	1.20	Mar 11	1.76	May 27	1.81	Jun 23	1.70	Sep 19	1.84
Jan 24	1.47										

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.

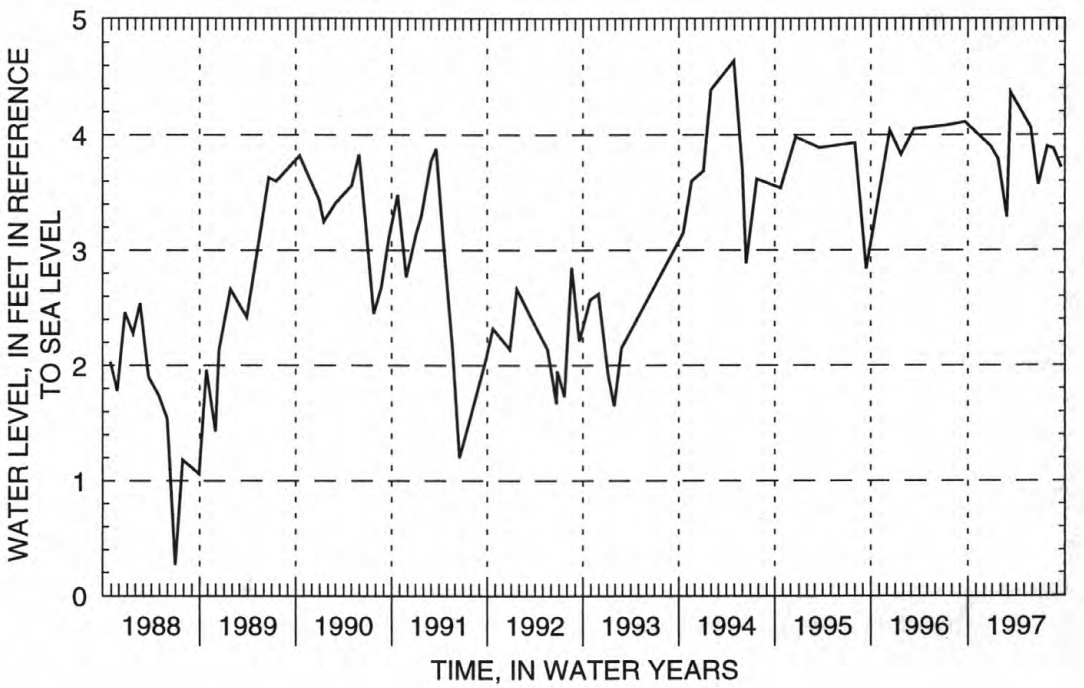
REMARKS.—Water level affected by tidal fluctuation.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	3.90	Feb 26	3.29	May 27	4.06	Jul 28	3.90	Aug 20	3.88	Sep 18	2.28
Jan 24	3.79	Mar 11	4.37	Jun 24	3.57						



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 southernmost 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 1996 TO SEPTEMBER 1997

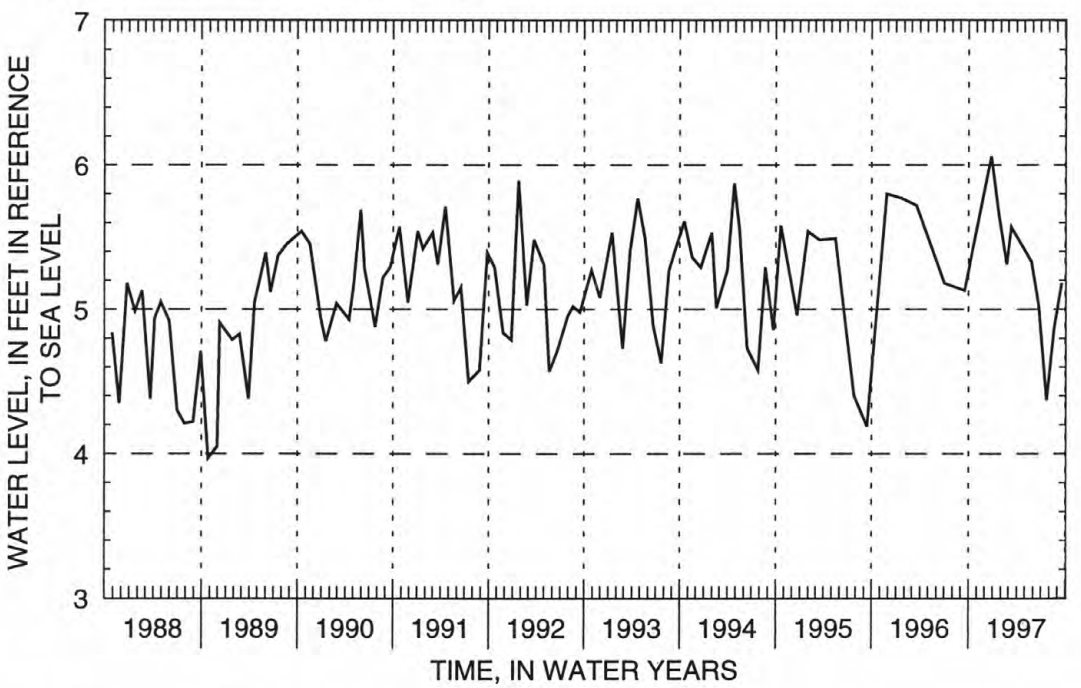
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	6.39	Feb 26	6.27	Mar 12	6.71	May 27	6.82	Jun 23	6.88	Sep 18	6.44
Jan 24	6.43										

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 northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	6.06	Feb 23	5.31	May 27	5.33	Jul 23	4.37	Aug 20	4.87	Sep 18	5.18
Jan 24	5.66	Mar 12	5.57	Jun 23	5.03						



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	27.37	Mar 11	28.01	May 22	28.44	Jul 23	28.89	Aug 21	28.35	Sep 17	28.13
Jan 31	27.66										

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.

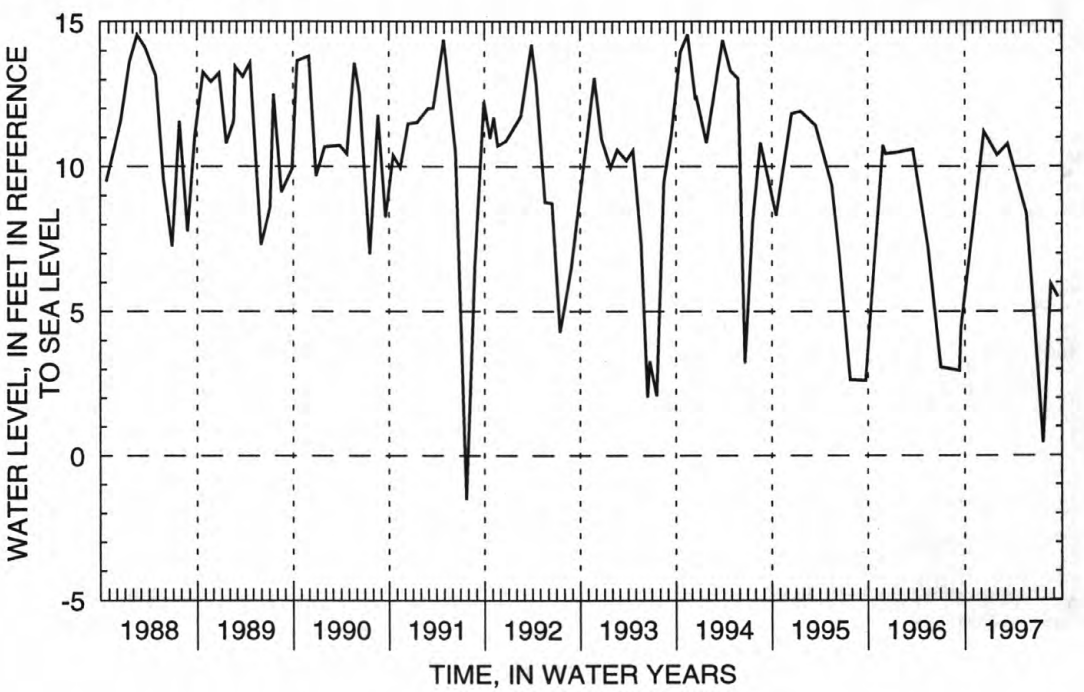
REMARKS.—Water level affected by tidal fluctuation and nearby pumping.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 12	11.21	Mar 11	10.78	Jun 19	4.82	Jul 23	0.45	Aug 21	5.94	Sep 17	5.50
Jan 31	10.40	May 22	8.36								

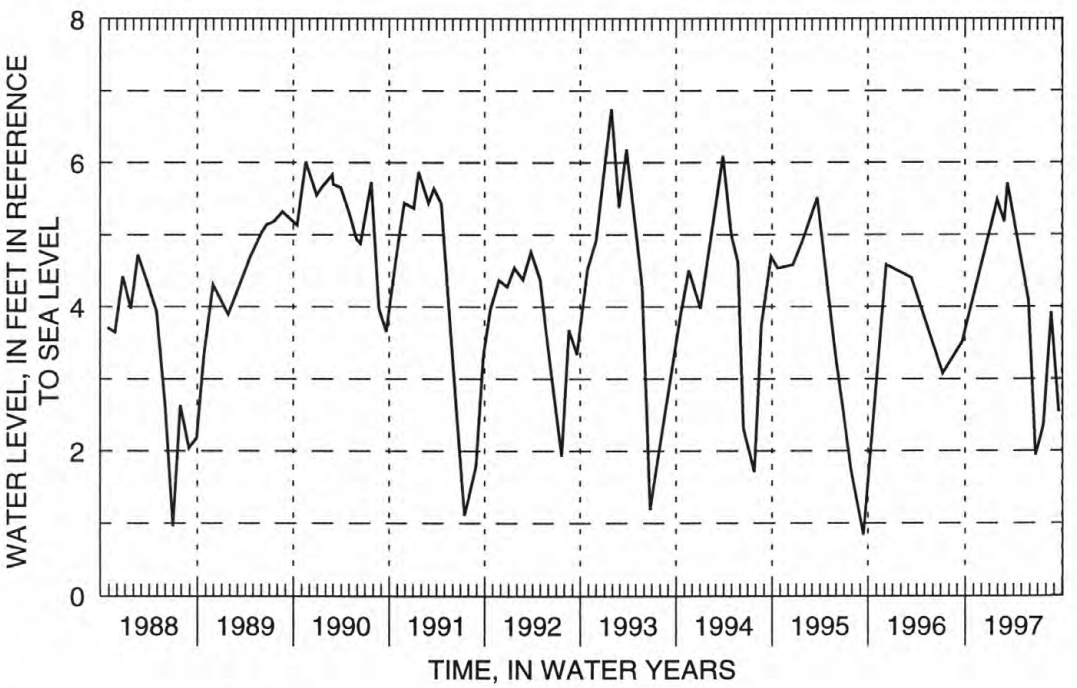


PRIMARY WELLS

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 31	5.48	Mar 11	5.71	Jun 24	1.94	Jul 21	2.35	Aug 22	3.92	Sep 19	2.54
Feb 26	5.18	May 28	4.08								



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, southernmost 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 1996 TO SEPTEMBER 1997

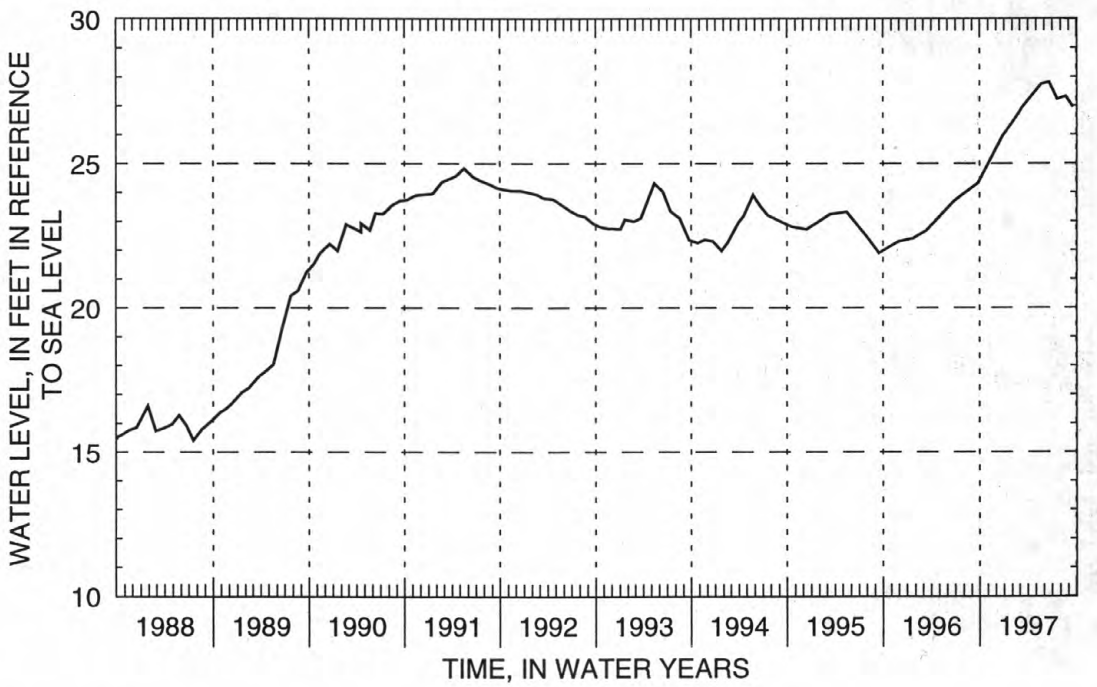
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 31	3.99	Mar 11	3.81	Jun 24	3.36	Jul 23	3.66	Aug 22	3.86	Sep 19	3.45
Feb 26	3.66	May 28	3.63								

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, 27.82 ft above sea level, June 19, 1997; lowest measured, 3.52 ft above sea level, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	25.96	Feb 26	26.75	May 21	27.75	Jul 21	27.23	Aug 22	27.32	Sep 18	26.96
Jan 27	26.35	Mar 10	26.93	Jun 19	27.82						



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 (confined).
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 1996 TO SEPTEMBER 1997

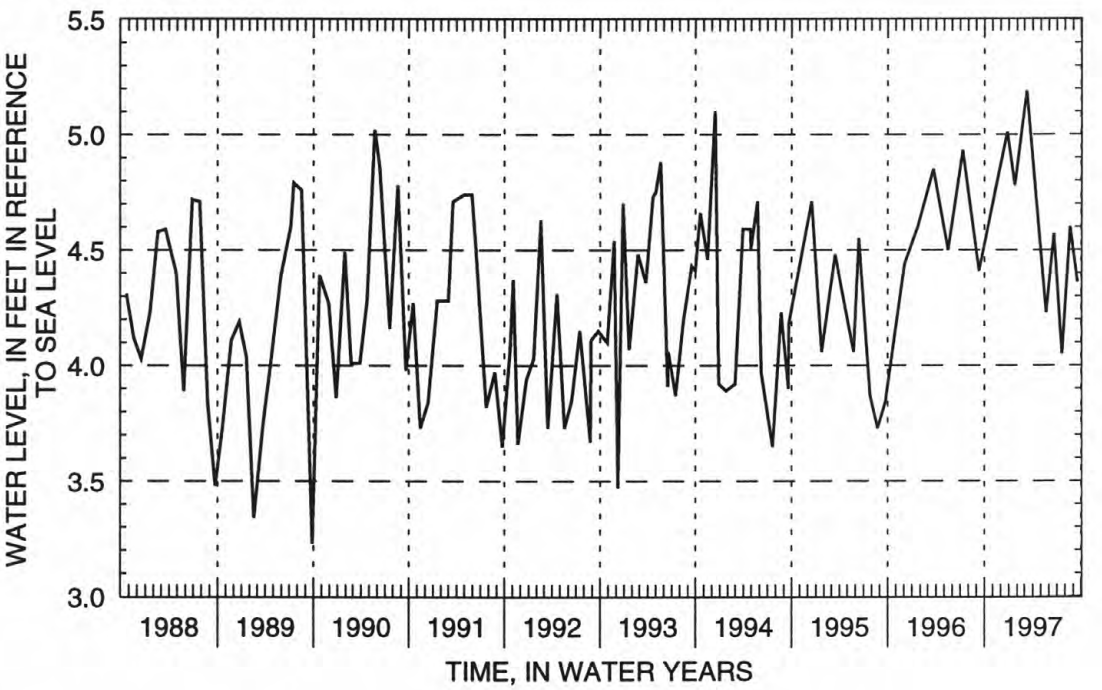
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	34.82	Feb 26	29.01	May 21	37.97	Jul 21	34.77	Aug 19	26.93	Sep 18	25.73
Jan 23	35.05	Mar 12	30.44	Jun 18	29.42						

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	5.01	Mar 10	5.19	Jun 20	4.57	Jul 21	4.05	Aug 20	4.60	Sep 17	4.36
Jan 24	4.78	May 22	4.23								



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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	5.58	Mar 10	5.75	Jun 20	5.01	Jul 21	4.68	Aug 20	5.38	Sep 17	5.03
Jan 24	5.18										

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.

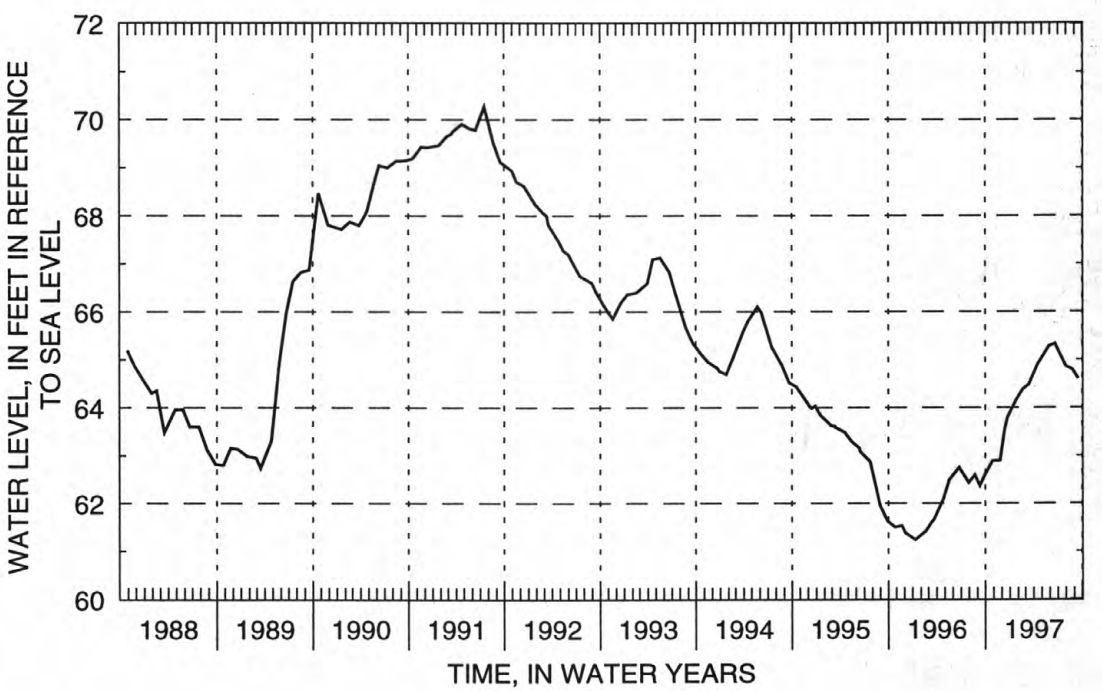
REMARKS.—Prior to April 1967, well at site (N 1258.1) was screened in the upper glacial aquifer. Well N1258.1 was replaced by well N8269.1 in April 1967, which was replaced by well N8269.2 in June 1976.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	62.89	Dec 23	63.79	Feb 19	64.38	Apr 16	64.90	Jun 20	65.33	Aug 25	64.79
Nov 25	62.90	Jan 22	64.13	Mar 12	64.47	May 29	65.28	Jul 31	64.86	Sep 16	64.60
Dec 12	63.53										

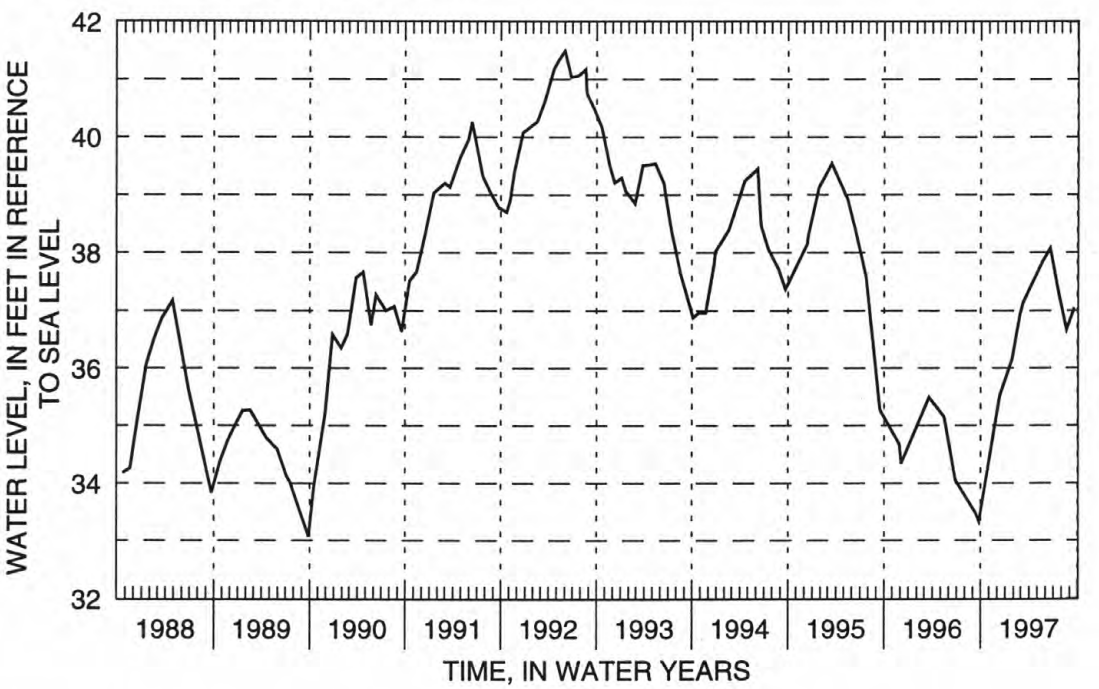


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 11	35.51	Feb 26	36.94	May 21	37.84	Jul 21	37.32	Aug 19	36.67	Sep 18	37.04
Jan 27	36.15	Mar 10	37.14	Jun 19	38.07						



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 1996 TO SEPTEMBER 1997

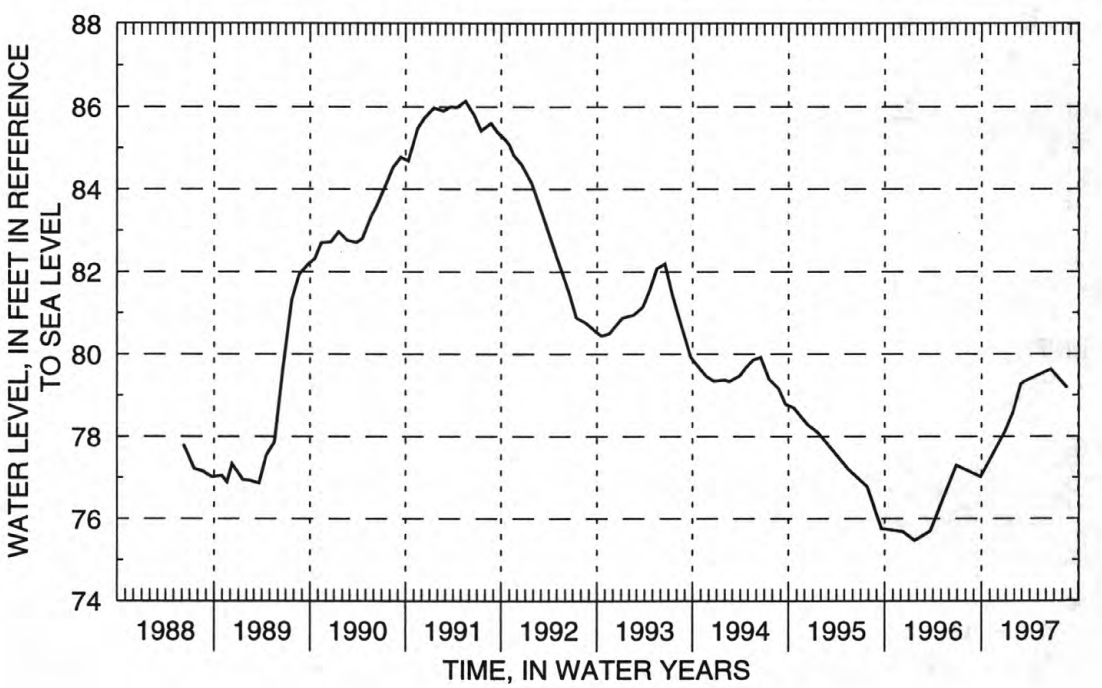
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	9.01	Feb 26	8.68	May 21	8.67	Jul 23	7.69	Aug 22	8.49	Sep 18	7.90
Jan 27	8.68	Mar 11	8.73	Jun 19	8.37						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	78.11	Jan 27	78.60	Feb 26	79.27	Mar 11	79.33	Jun 18	79.63	Aug 19	79.17

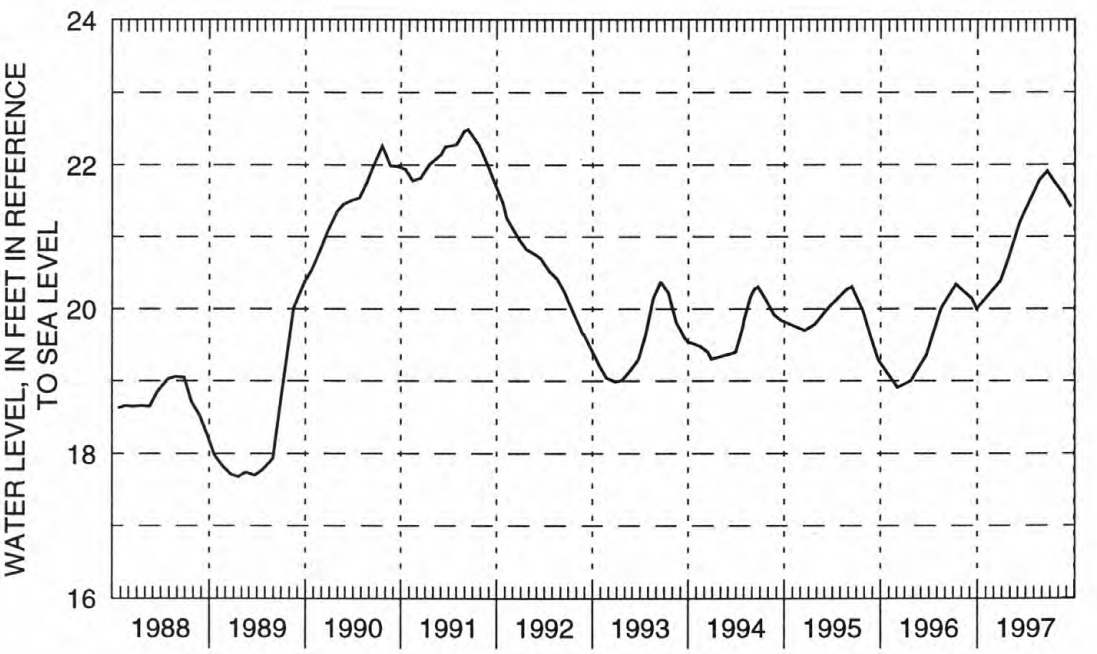


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	20.39	Mar 10	21.21	Jun 20	21.91	Jul 21	21.74	Aug 20	21.59	Sep 17	21.41
Jan 27	20.72	May 22	21.79								

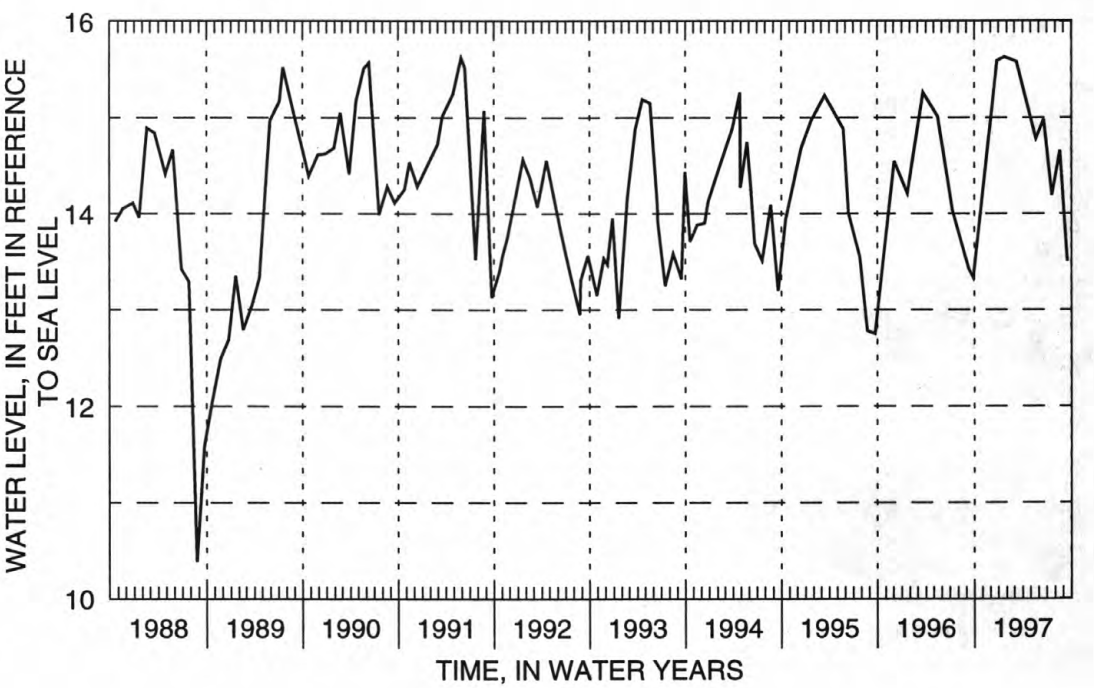


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	15.59	Mar 10	15.58	Jun 20	14.98	Jul 21	14.19	Aug 20	14.65	Sep 17	13.50
Jan 24	15.63	May 22	14.78								

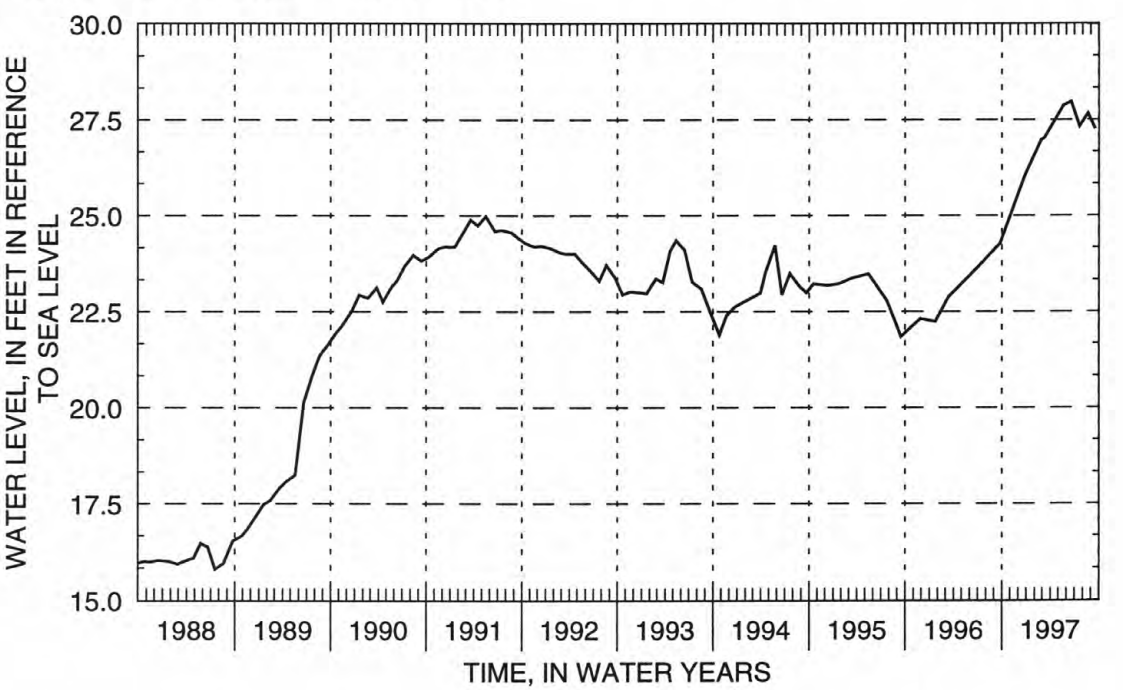


PRIMARY WELLS

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, 27.97 ft above sea level, June 19, 1997; lowest measured, 5.39 ft above sea level, April 8, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 27	26.04	Feb 26	26.97	May 21	27.87	Jul 21	27.32	Aug 22	27.66	Sep 18	27.26
Jan 27	26.52	Mar 10	27.02	Jun 19	27.97						

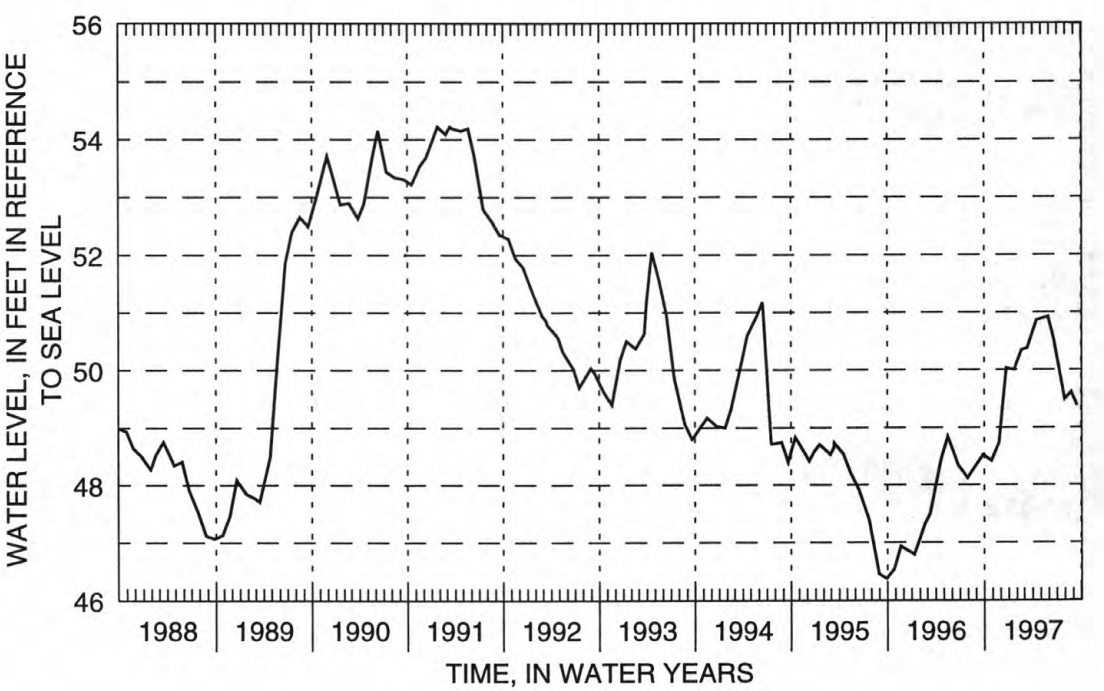


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	48.42	Dec 23	50.03	Feb 19	50.34	Apr 16	50.86	Jun 20	50.52	Aug 25	49.61
Nov 11	48.73	Jan 22	50.00	Mar 12	50.37	May 29	50.92	Jul 31	49.49	Sep 16	49.38



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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	7.95	Feb 28	8.26	Mar 18	8.37	May 22	8.50	Jun 23	7.63	Jul 25	5.74

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb 28	7.68	Jul 22	7.09	Aug 11	6.40						

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), southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 3	8.24	Mar 10	9.70	May 25	8.29						

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), northernmost 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 1996 TO SEPTEMBER 1997

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, westernmost 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, 9.14 ft above sea level, May 22, 1997; lowest measured, 2.26 ft above sea level, June 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	8.83	Feb 28	8.93	Mar 17	8.93	May 22	9.14	Jun 23	8.64	Jul 22	6.51

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	7.11	Feb 28	7.18	Mar 17	7.22	May 22	7.34	Jun 25	6.99		

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 10	23.66	Jan 29	24.11	Feb 28	24.51	May 22	25.41	Jun 26	25.58		

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, 19.66 ft above sea level, June 23, 1997; lowest measured, 12.80 ft below sea level, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	18.49	Feb 28	18.72	Mar 18	18.99	May 22	19.42	Jun 23	19.66	Jul 25	19.45

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, 5.33 ft above sea level, June 6, 1997; lowest measured, 3.40 ft below sea level, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

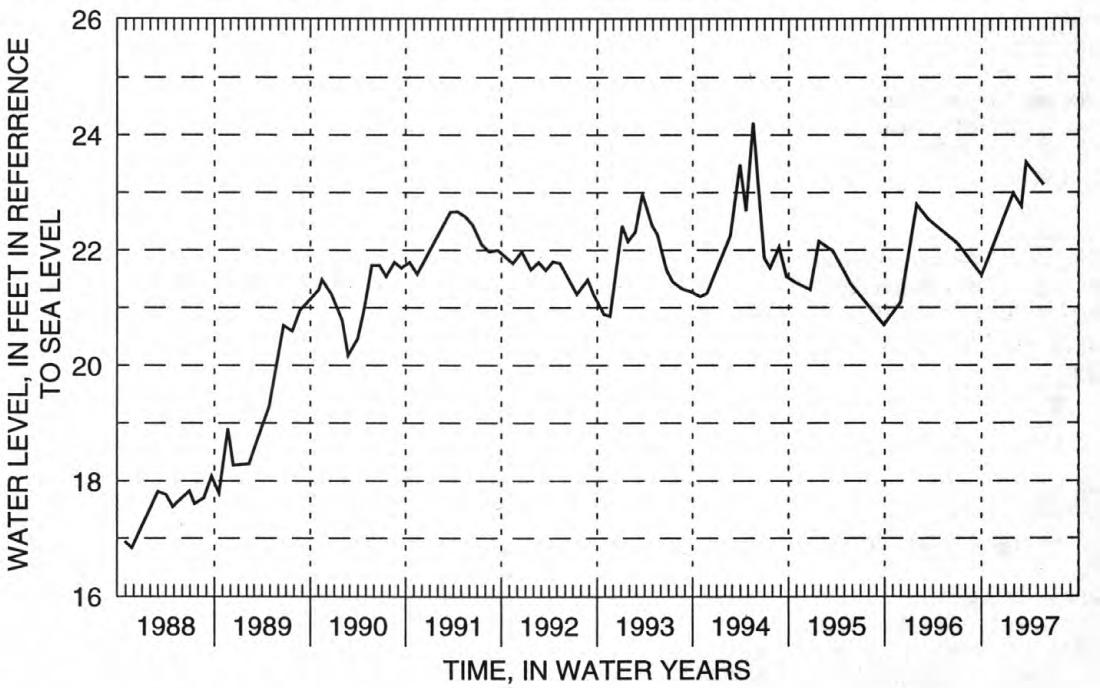
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 24	4.94	Mar 10	5.06	Jun 6	5.33	Jun 24	5.12	Jul 22	4.85	Aug 11	5.20
Feb 28	4.94										

PRIMARY WELLS

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	22.98	Feb 28	22.76	Mar 18	23.52	May 22	23.14	Jun 23	22.83	Jul 25	22.56



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	56.08	Feb 28	56.21	Mar 18	56.30	May 22	56.70	Jun 23	56.10		

PRIMARY WELLS

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 24	3.30	Mar 12	3.43	Jun 6	3.69	Jun 24	2.97	Jul 22	1.87	Aug 11	2.53
Feb 28	3.22										

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, southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 24	3.37	Mar 12	3.54	Jun 6	3.89	Jun 24	3.67	Jul 22	3.45	Aug 11	3.61

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	24.62	Feb 28	24.67	Mar 17	24.59	May 22	24.61	Jun 23	24.57		

PRIMARY WELLS

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.

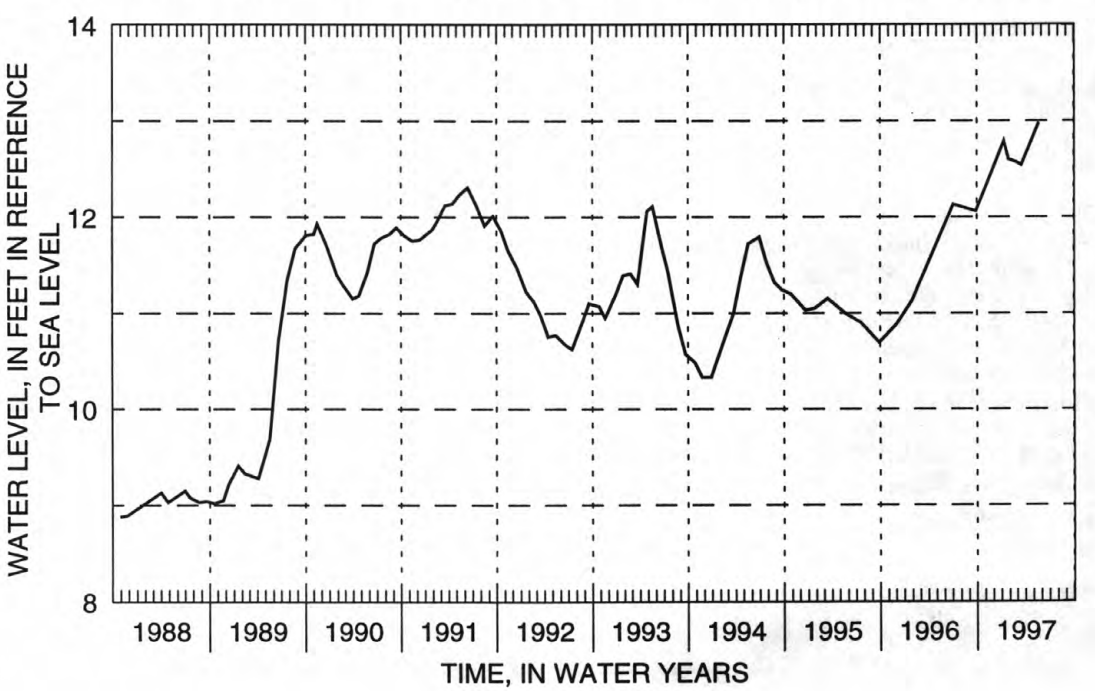
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 29	13.31	Feb 28	13.33	Mar 17	13.46	May 22	13.11	Jun 23	13.02	Jul 25	13.09

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, 12.99 ft above sea level, June 23, 1997; lowest measured, 6.08 ft above sea level, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 10	12.79	Jan 29	12.60	Feb 28	12.57	Mar 17	12.54	May 22	12.98	Jun 23	12.99



PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

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				

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 1996 TO SEPTEMBER 1997

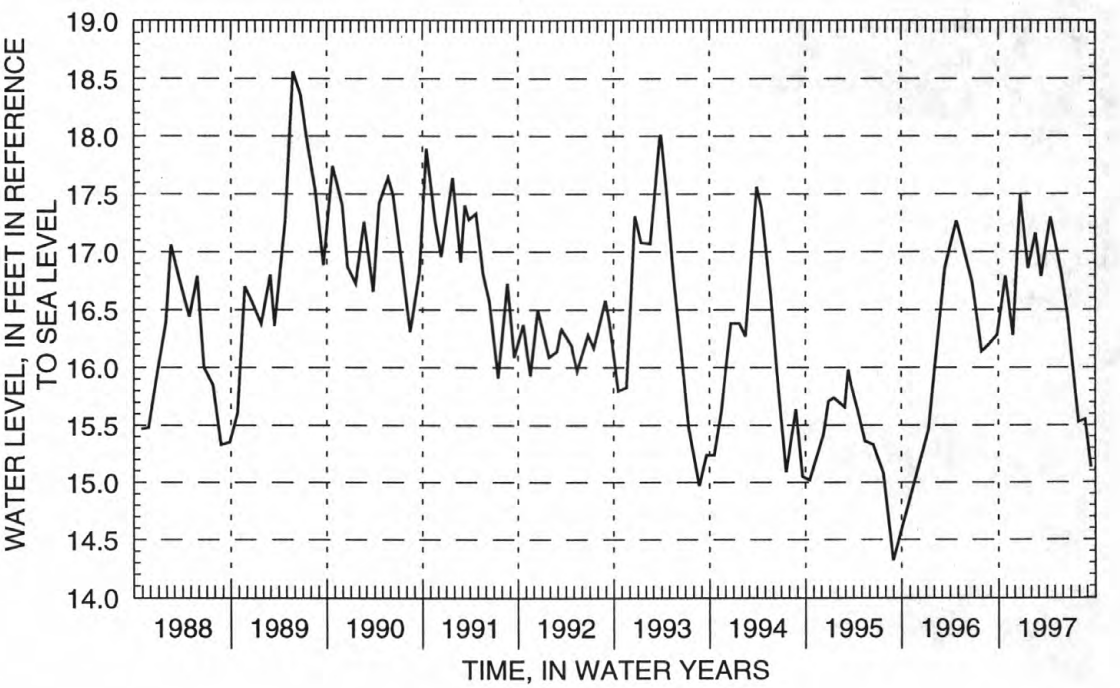
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov 30	16.00	Jan 30	16.24	Mar 11	16.43	Jul 3	17.19	Sep 27	17.06		

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	16.79	Dec 23	17.49	Feb 19	17.16	Apr 16	17.30	Jun 20	16.44	Aug 25	15.55
Nov 25	16.28	Jan 22	16.86	Mar 12	16.79	May 29	16.79	Jul 31	15.53	Sep 16	15.13

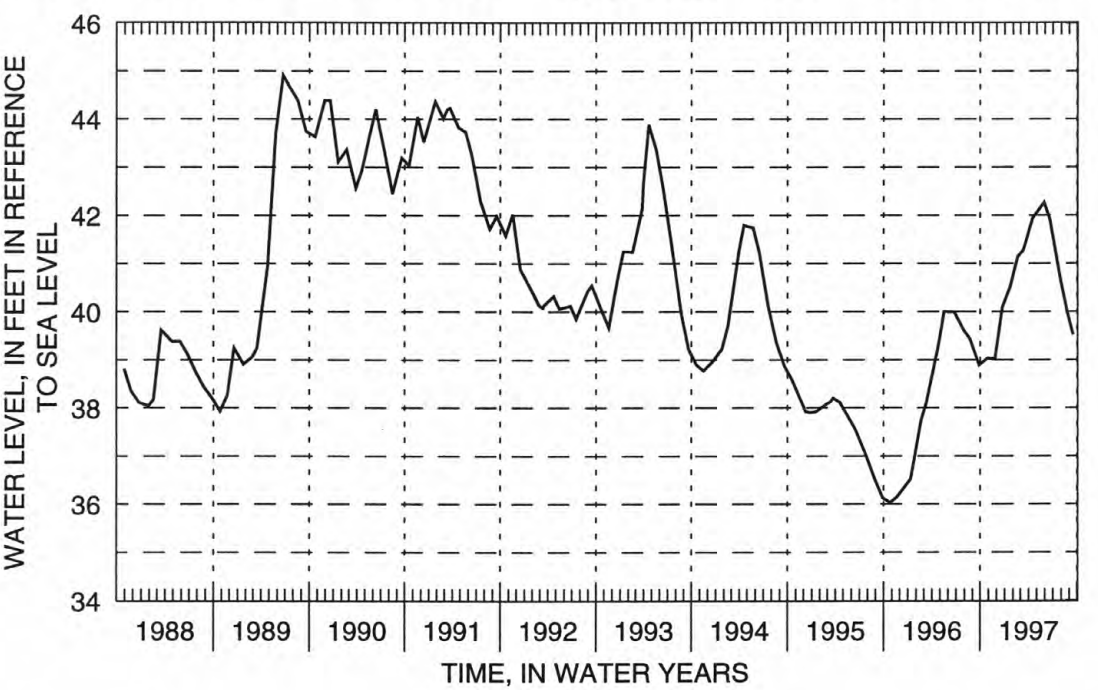


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	39.03	Dec 23	40.09	Feb 19	41.14	Apr 16	41.94	Jun 20	41.91	Aug 25	39.98
Nov 25	39.02	Jan 22	40.52	Mar 12	41.27	May 29	42.26	Jul 31	40.63	Sep 16	39.52



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.

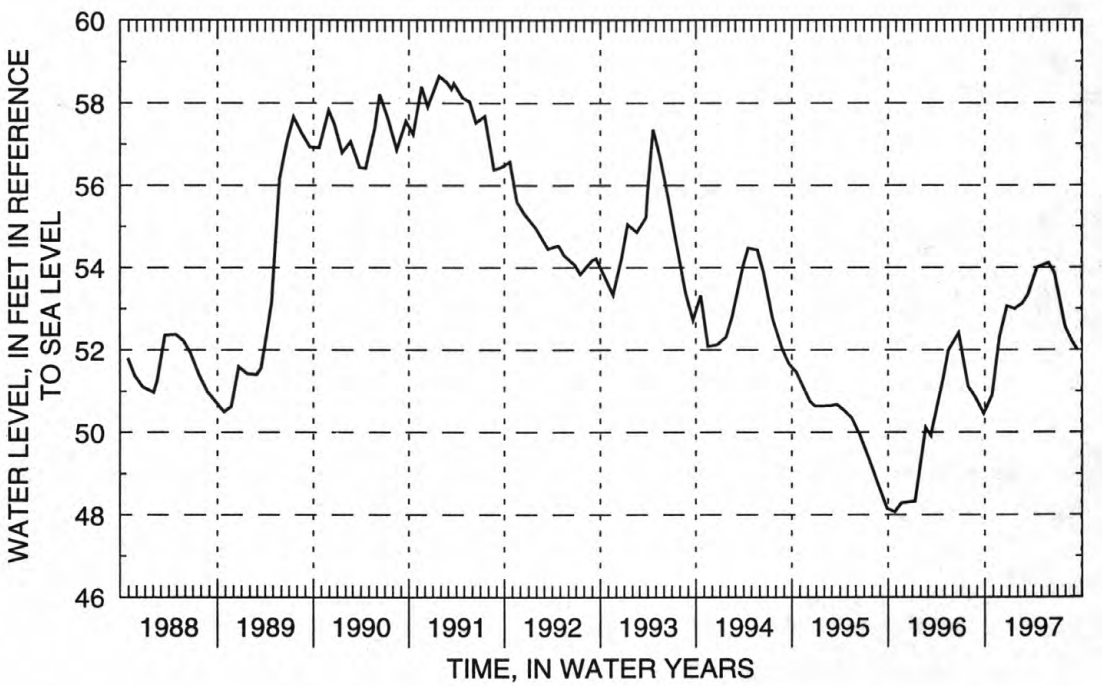
REMARKS.—Replaced well S1806.2 in August 1977 at same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S1806.1 to S1806.2 are available in files of the Long Island Subdistrict Office.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	50.90	Jan 22	53.00	Mar 10	53.31	Apr 16	54.00	Jun 20	53.87	Aug 25	52.22
Nov 25	52.33	Feb 19	53.12	Mar 12	53.33	May 29	54.11	Jul 31	52.56	Sep 16	51.99
Dec 23	53.06										

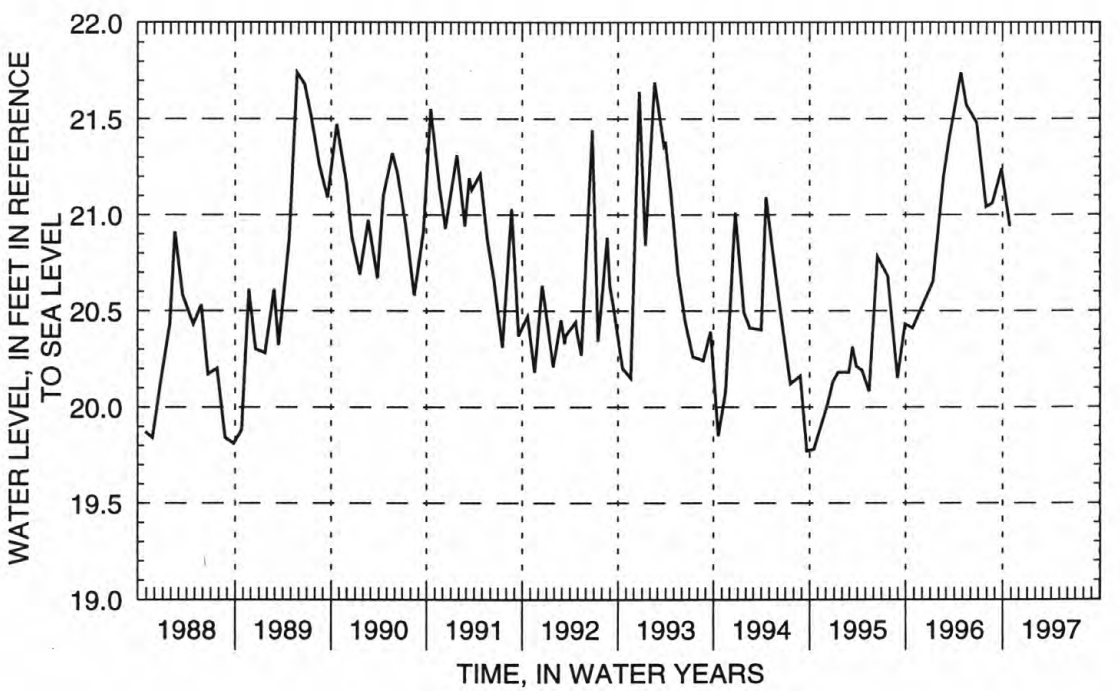


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	20.94										

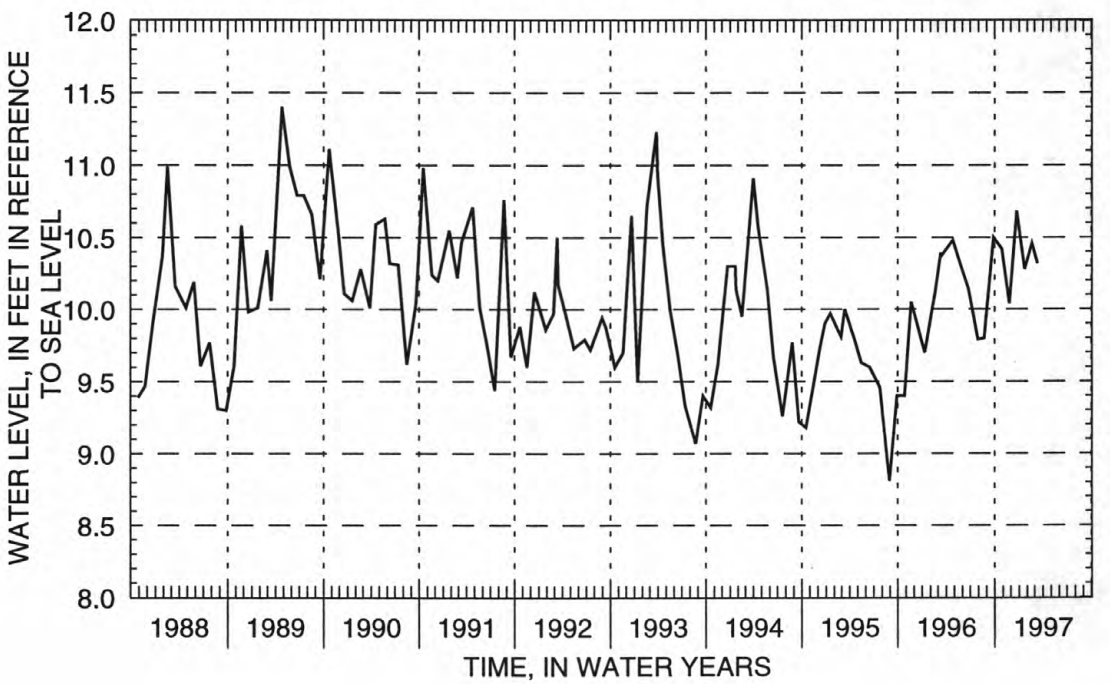


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	10.42	Nov 25	10.04	Dec 23	10.68	Jan 22	10.28	Feb 19	10.46	Mar 12	10.32

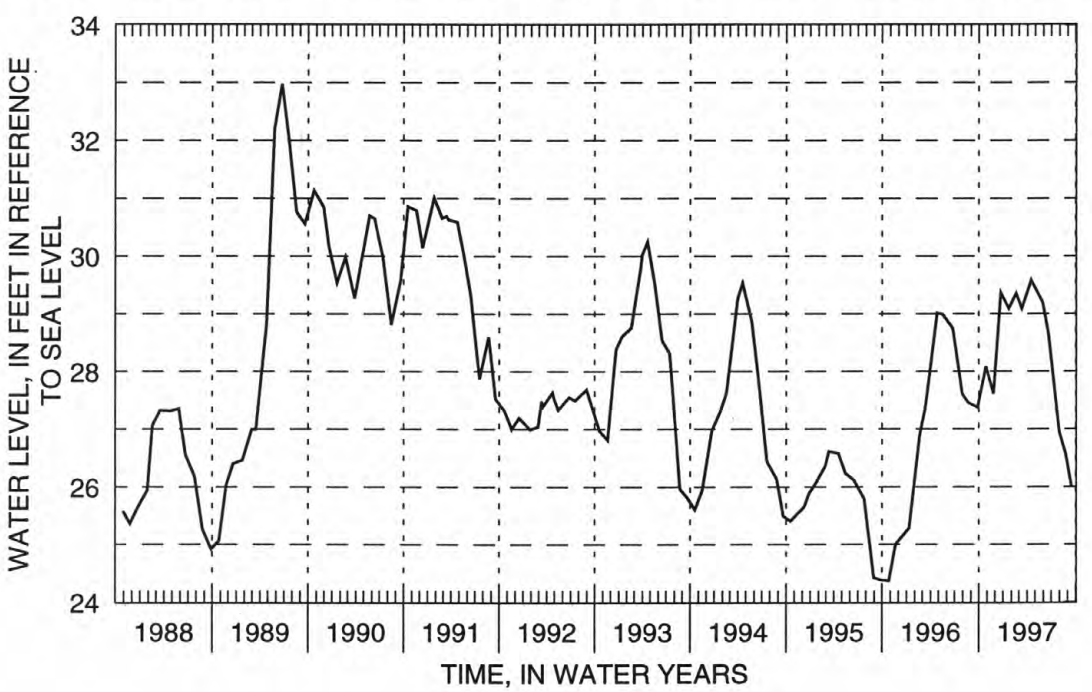


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	28.08	Dec 23	29.36	Feb 19	29.35	Apr 16	29.58	Jun 20	28.66	Aug 28	26.56
Nov 25	27.61	Jan 22	29.09	Mar 12	29.09	May 29	29.20	Jul 31	26.95	Sep 16	26.00

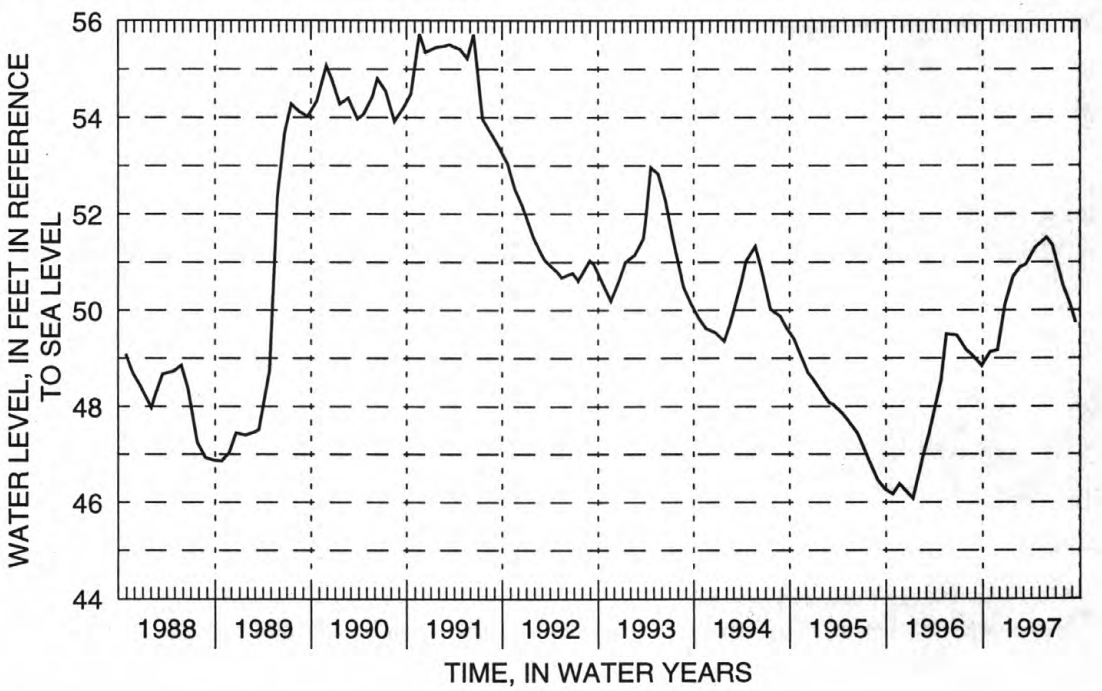


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct 28	49.13	Dec 23	50.11	Feb 19	50.90	Apr 16	51.30	Jun 20	51.35	Aug 25	50.14
Nov 25	49.17	Jan 22	50.69	Mar 12	50.95	May 29	51.51	Jul 31	50.50	Sep 16	49.74



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 1996 TO SEPTEMBER 1997

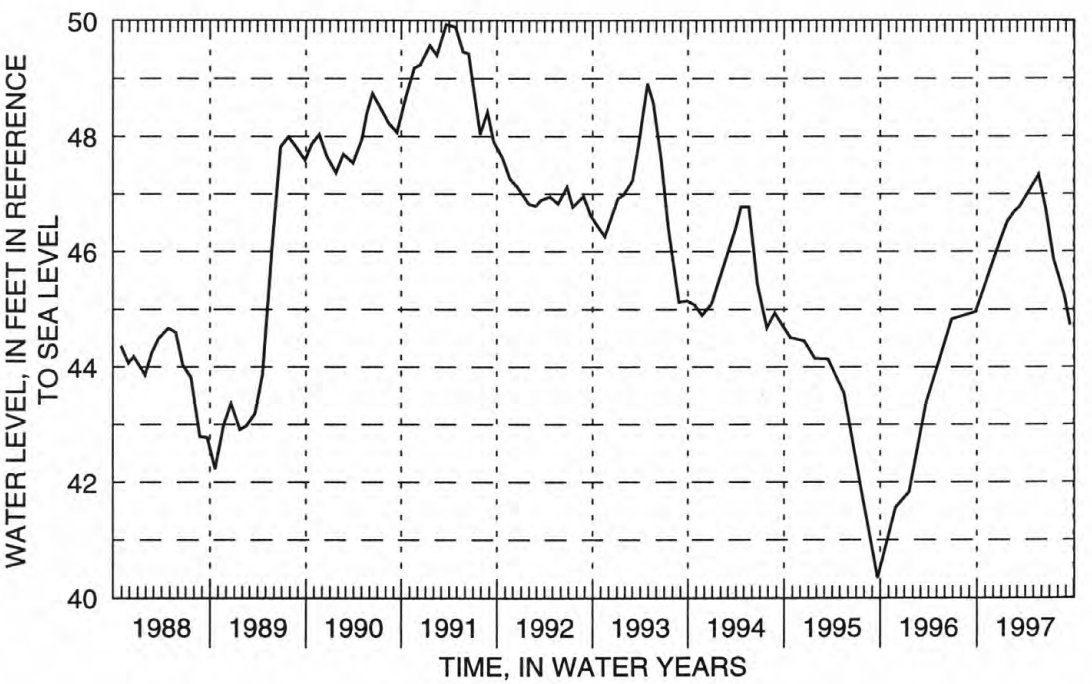
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 10	55.04										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	46.27	Feb 19	46.69	May 21	47.33	July 16	45.87	Aug 27	45.23	Sep 17	44.72
Jan 23	46.51	Mar 10	46.77	Jun 17	46.73						

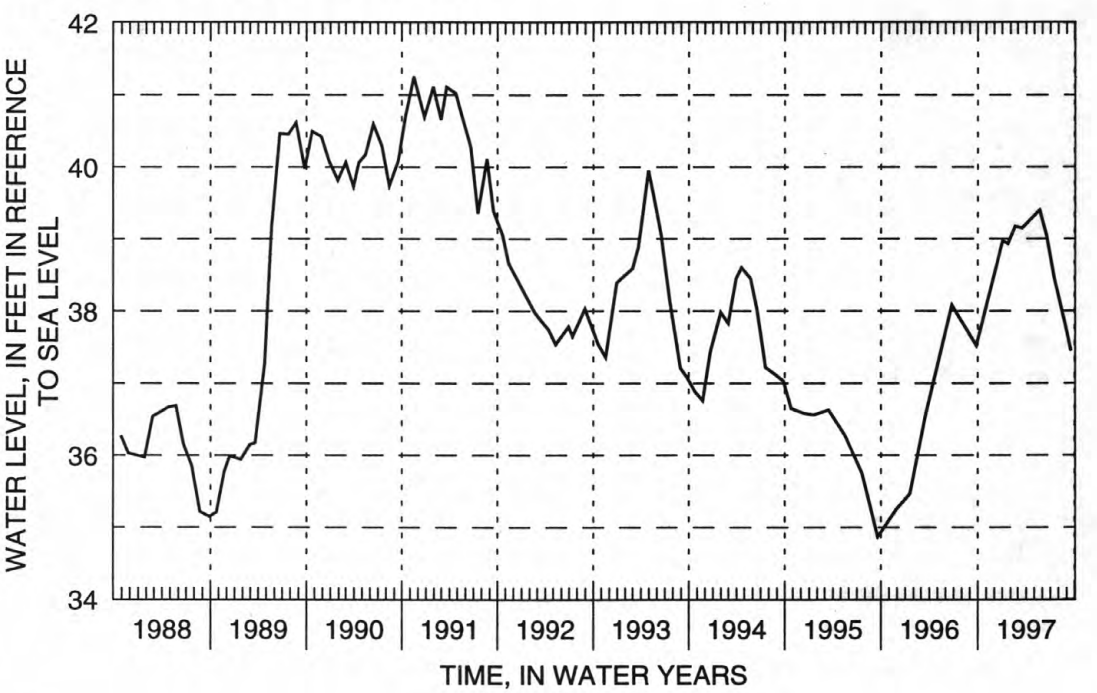


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	38.97	Feb 19	39.17	May 22	39.40	Jul 16	38.45	Aug 27	37.81	Sep 17	37.45
Jan 23	38.93	Mar 17	39.15	Jun 17	39.04						



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.

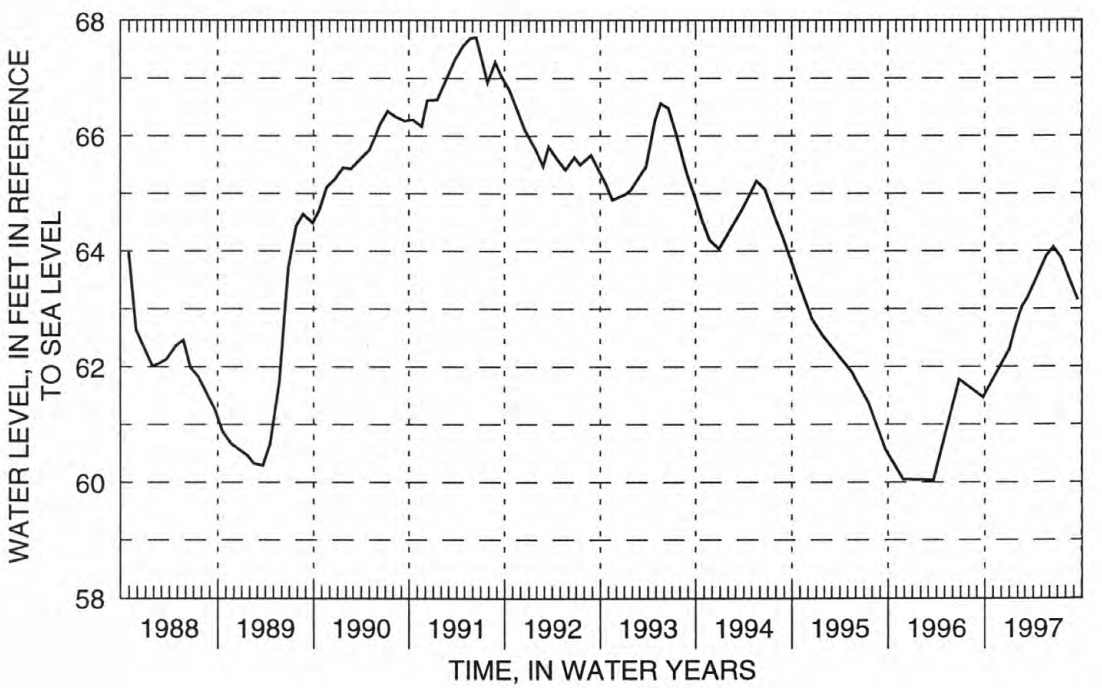
DATUM.—Land-surface datum is 101.0 ft above sea level. Measuring point: Top of 4-in to 1 1/4-in steel reducer, 1.31 ft above land-surface datum.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	62.31	Feb 19	63.04	May 21	63.91	Jul 16	63.88	Aug 27	63.40	Sep 18	63.15
Jan 23	62.66	Mar 10	63.18	Jun 17	64.06						



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.

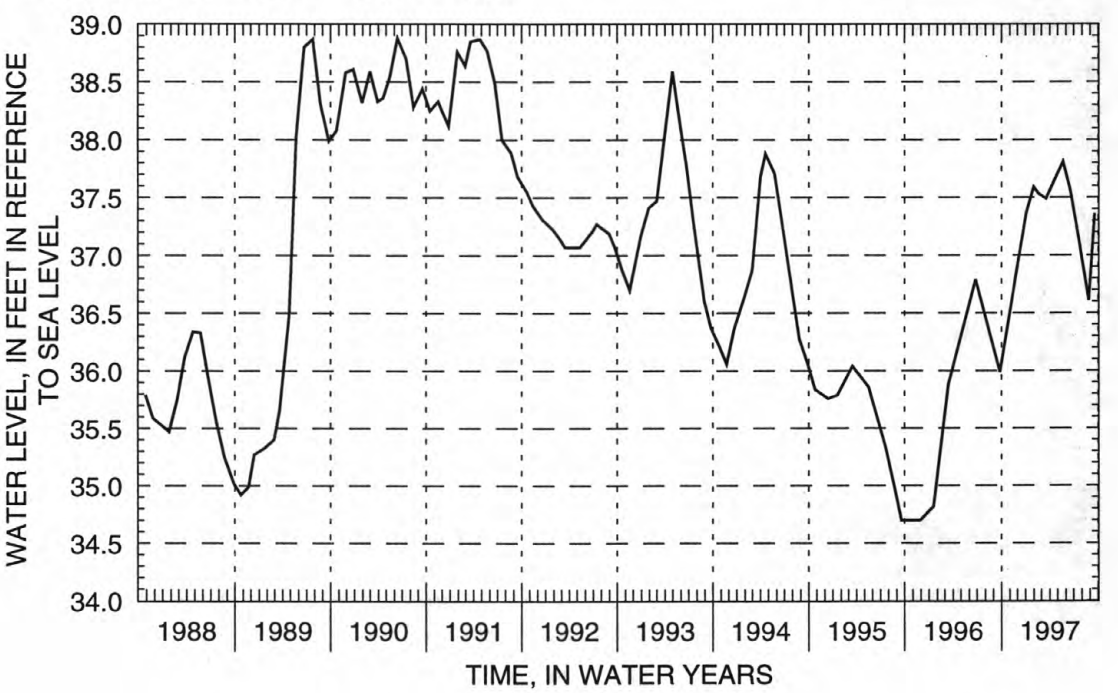
DATUM.—Land-surface datum is 71.8 ft above sea level. Measuring point: Top of 2-in steel casing, 0.77 ft above land-surface datum.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	37.37	Feb 19	37.53	May 21	37.81	Jul 16	37.19	Aug 27	36.61	Sep 18	37.36
Jan 31	37.59	Mar 18	37.49	Jun 17	37.57						

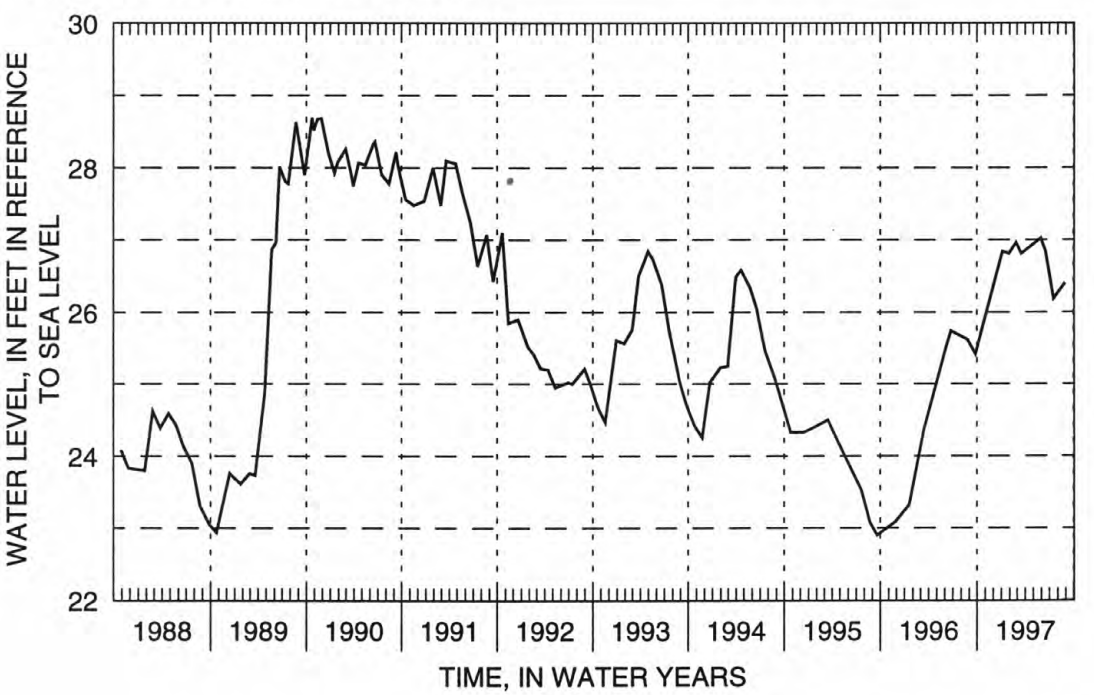


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	26.84	Feb 26	26.96	May 30	27.02	Jul 17	26.19	Aug 28	26.40	Sep 25	24.88
Jan 30	26.81	Mar 18	26.81	Jun 17	26.84						

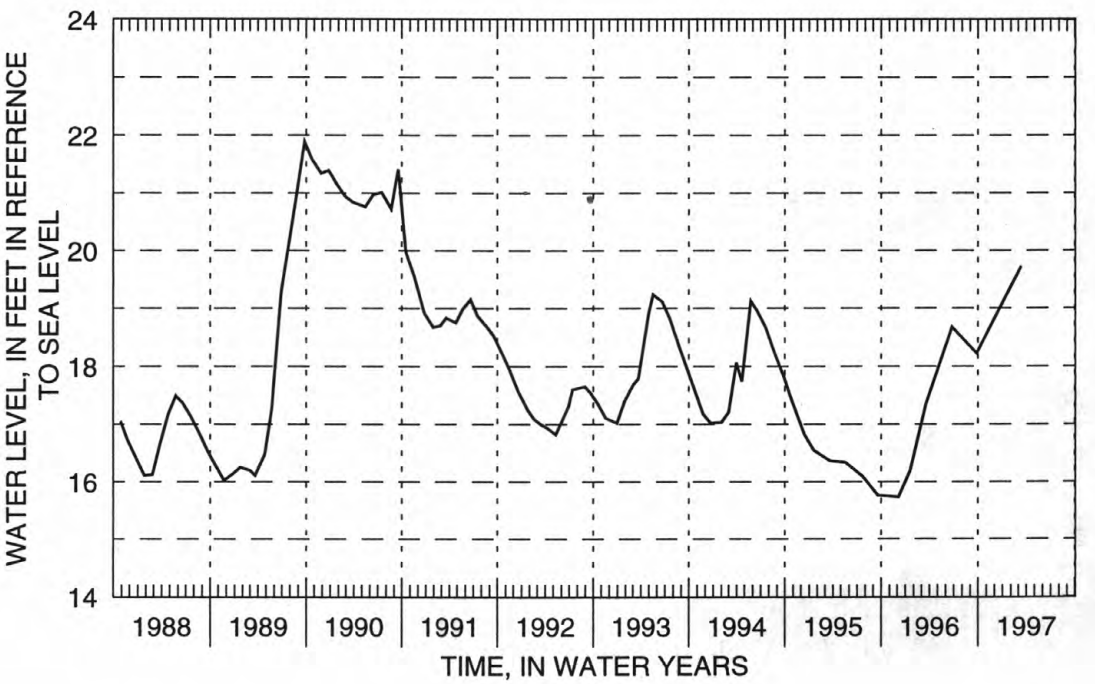


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 12	19.72										



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	54.62										

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.

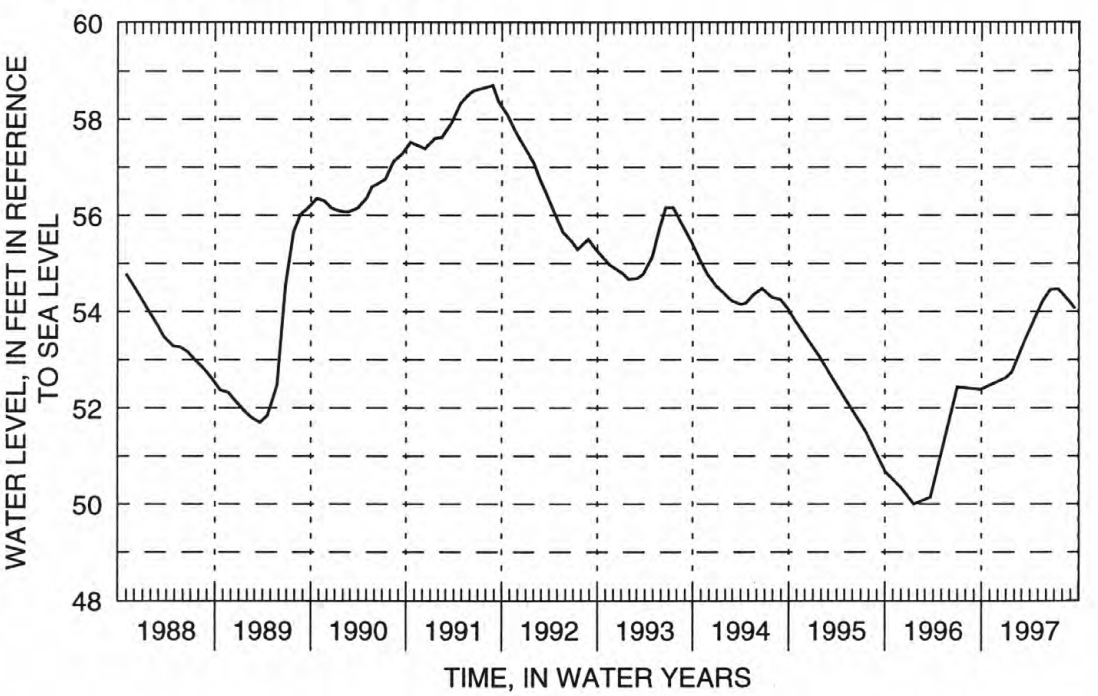
REMARKS.—Replaced well S3955.3 in April 1975 at same location. Unpublished records from September 1944 to September 1975 are available in files of the Long Island Subdistrict Office.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	52.63	Feb 19	53.10	May 19	54.22	Jul 16	54.47	Aug 28	54.21	Sep 18	54.06
Jan 23	52.74	Mar 17	53.46	Jun 16	54.45						

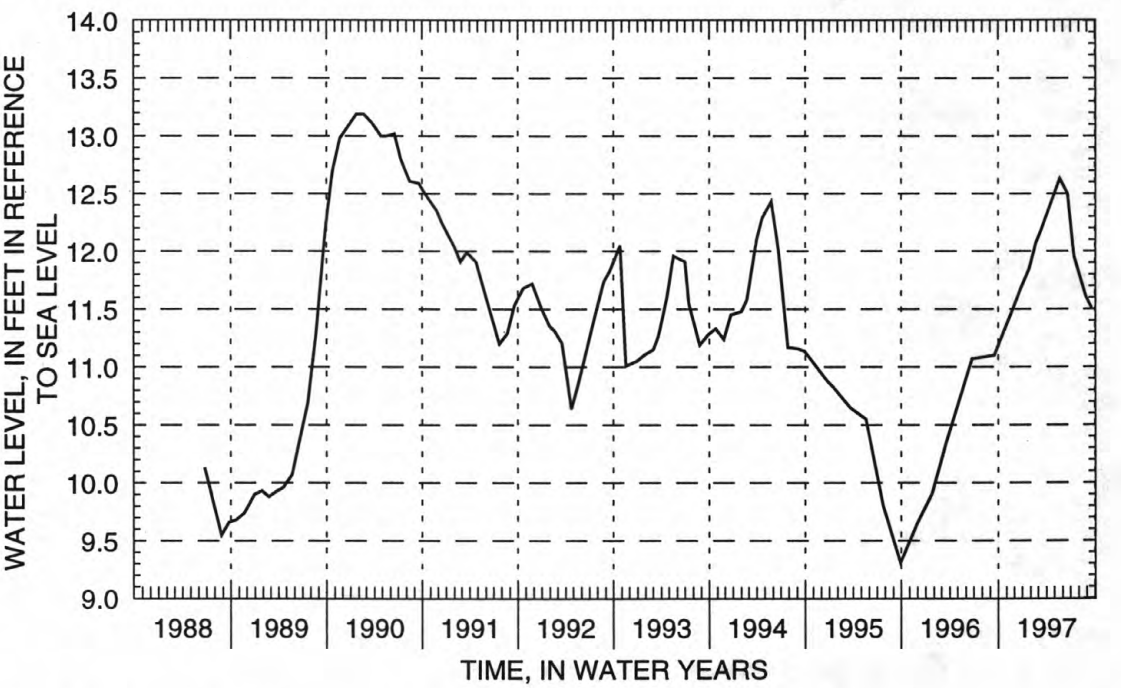


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	11.68	Feb 21	12.07	May 21	12.63	Jul 14	11.96	Aug 28	11.61	Sep 19	11.51
Jan 27	11.85	Mar 13	12.19	Jun 19	12.50						



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 1996 TO SEPTEMBER 1997

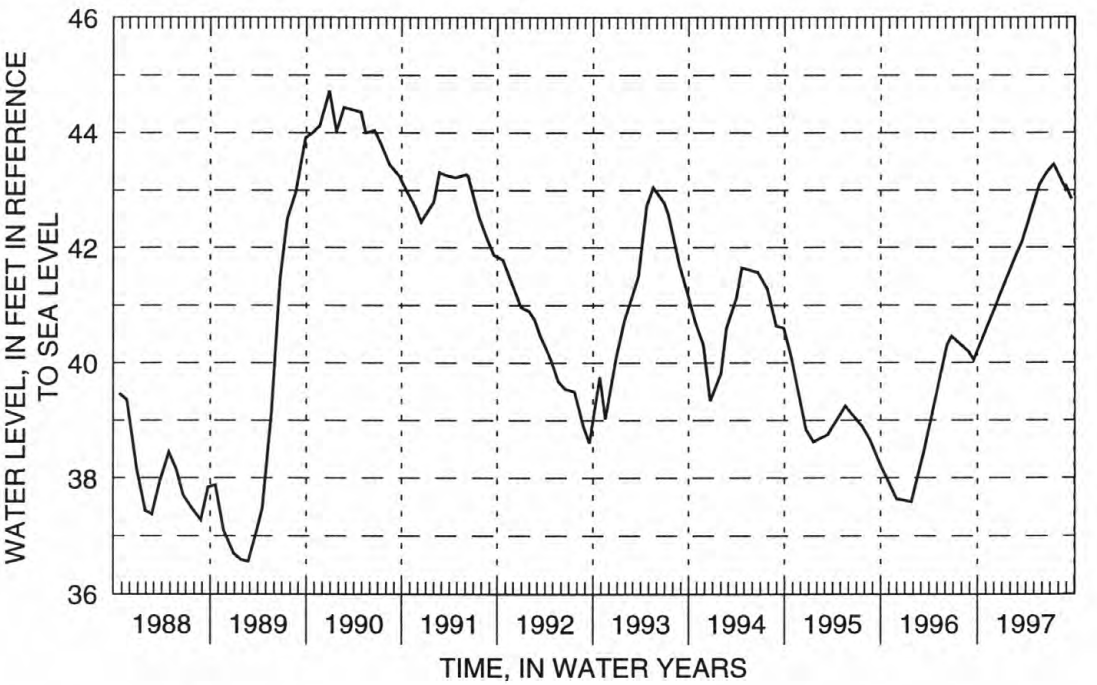
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	10.19										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb 21	41.85	May 21	43.10	Jul 14	43.45	Aug 26	43.04	Aug 28	43.10	Sep 19	42.85
Mar 17	42.10	Jun 16	43.32								



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	50.97	Feb 21	50.80	May 21	51.04	Jul 14	50.88	Aug 28	50.89	Sep 19	50.84
Jan 27	50.74	Mar 17	51.10	Jun 16	51.01	Aug 26	50.94				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	42.92	Feb 21	44.55	May 21	45.33	Jul 14	45.20	Aug 28	44.12	Sep 19	44.14
Jan 27	44.06	Mar 18	44.97	Jun 19	45.54	Aug 26	44.03				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	31.64	Feb 21	32.42	May 21	32.68	Jul 14	32.20	Aug 28	31.98	Sep 19	31.72
Jan 27	31.85	Mar 18	32.48	Jun 19	32.56	Aug 26	31.84				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	38.44	Mar 18	39.39	Jun 20	39.15	Aug 26	38.40	Aug 28	38.50	Sep 19	38.01
Jan 27	38.86	May 21	39.61	Jul 14	38.78						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 14	1.81										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	6.00	Feb 21	5.16	May 21	5.90	Jul 14	4.89	Aug 28	4.60	Sep 19	4.40
Jan 27	5.96	Mar 13	5.95	Jun 19	5.46						

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, 19.59 ft above sea level, May 30, 1997; lowest measured, 12.84 ft above sea level, March 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

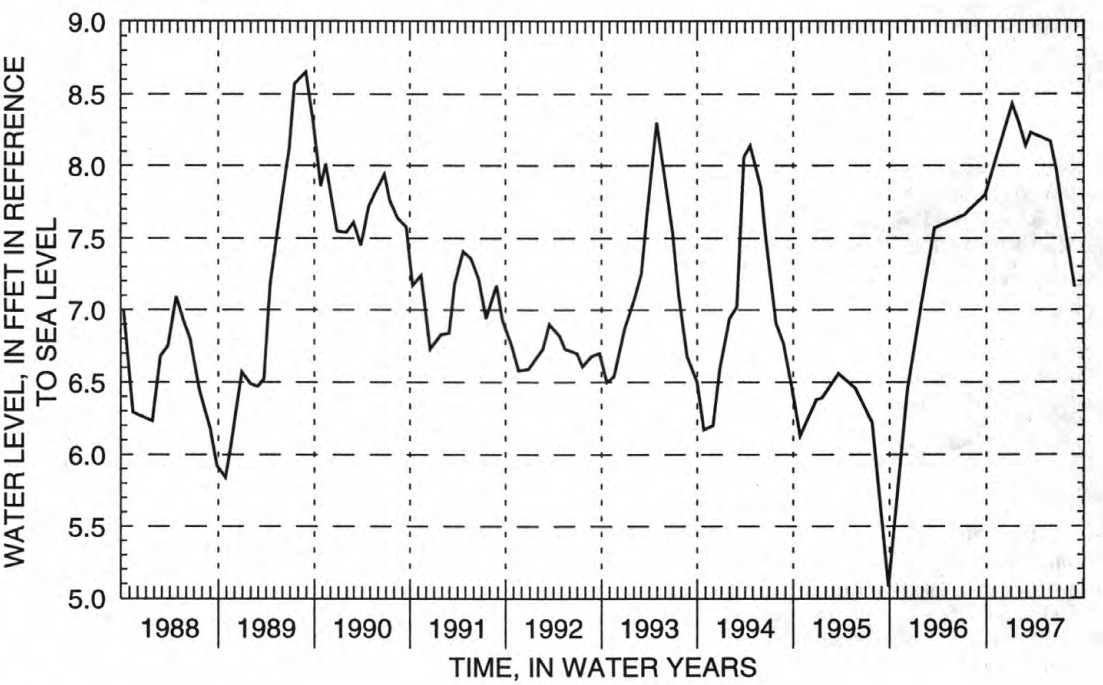
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	18.89	Feb 26	19.25	May 30	19.59	Jul 17	18.82	Aug 29	18.27	Sep 25	17.72
Jan 30	19.13	Mar 17	19.37	Jun 23	19.33						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	8.43	Feb 26	8.14	May 30	8.17	Jul 17	7.65	Aug 29	7.16	Sep 25	6.82
Jan 30	8.31	Mar 17	8.23	Jun 23	7.95						



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 1996 TO SEPTEMBER 1997

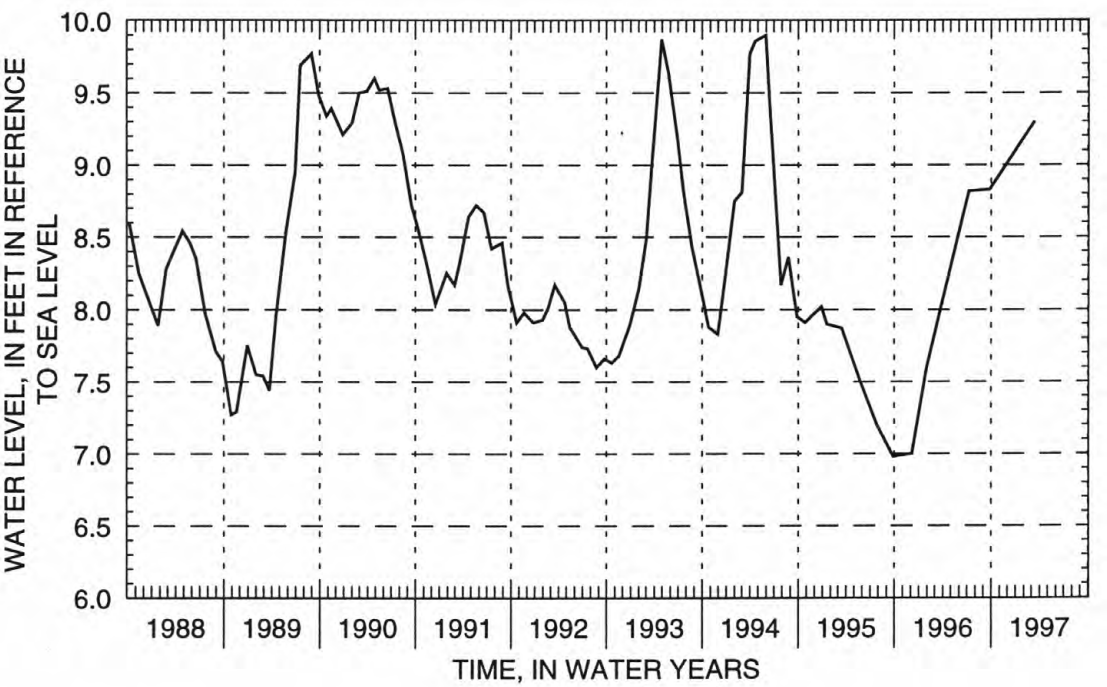
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	12.91	Feb 26	12.96	May 30	12.75	Jul 17	11.92	Aug 29	11.48	Sep 25	11.11
Jan 30	13.02	Mar 17	12.97	Jun 23	12.46						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	9.30										



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	11.21	Feb 26	11.45	May 30	11.70	Jul 17	11.18	Aug 29	10.81	Sep 25	10.43
Jan 30	11.29	Mar 13	11.62	Jun 23	11.51						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	7.02										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	40.13	Feb 19	41.01	May 19	41.42	Jul 16	40.61	Aug 28	40.69	Sep 17	40.86
Jan 23	40.26	Mar 17	40.97	Jun 16	41.73						

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 1996 TO SEPTEMBER 1997

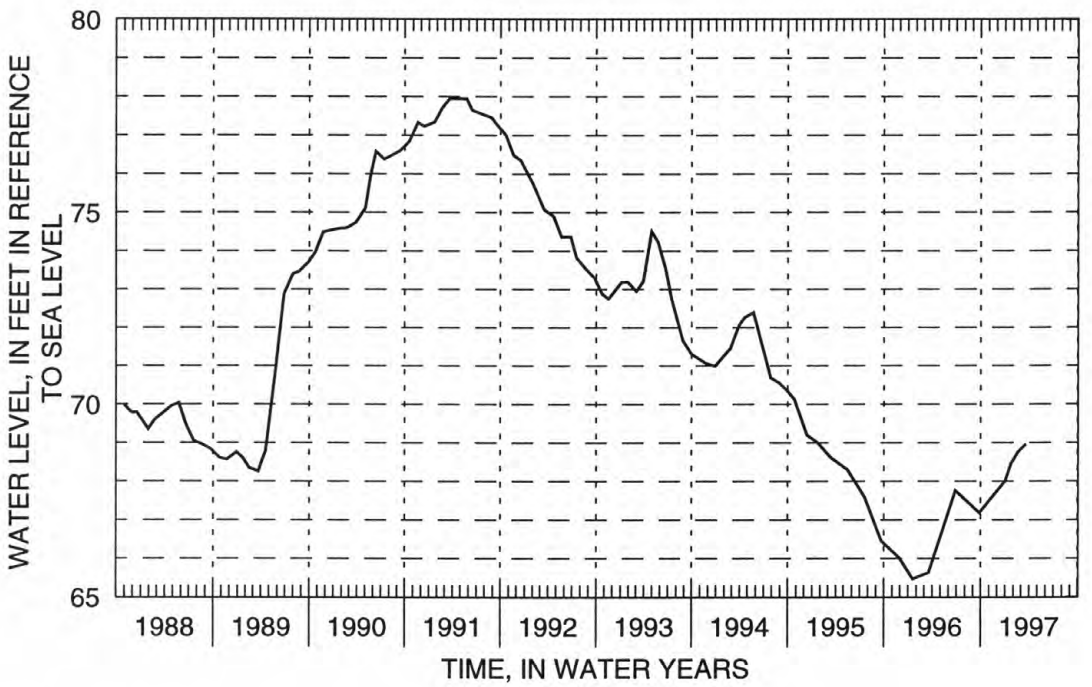
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	3.96	Feb 21	4.23	May 21	4.02	Jul 14	3.20	Aug 28	2.68	Sep 19	2.53
Jan 27	4.15	Mar 14	4.03	Jun 19	3.64						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	68.01	Jan 23	68.44	Feb 19	68.76	Mar 19	68.96				



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	31.27	Feb 19	31.25	May 22	31.35	Jul 16	30.80	Aug 27	30.56	Sep 17	30.43
Jan 23	31.14	Mar 17	31.26	Jun 16	31.14						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 10	41.91										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 10	42.03										

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 1996 TO SEPTEMBER 1997

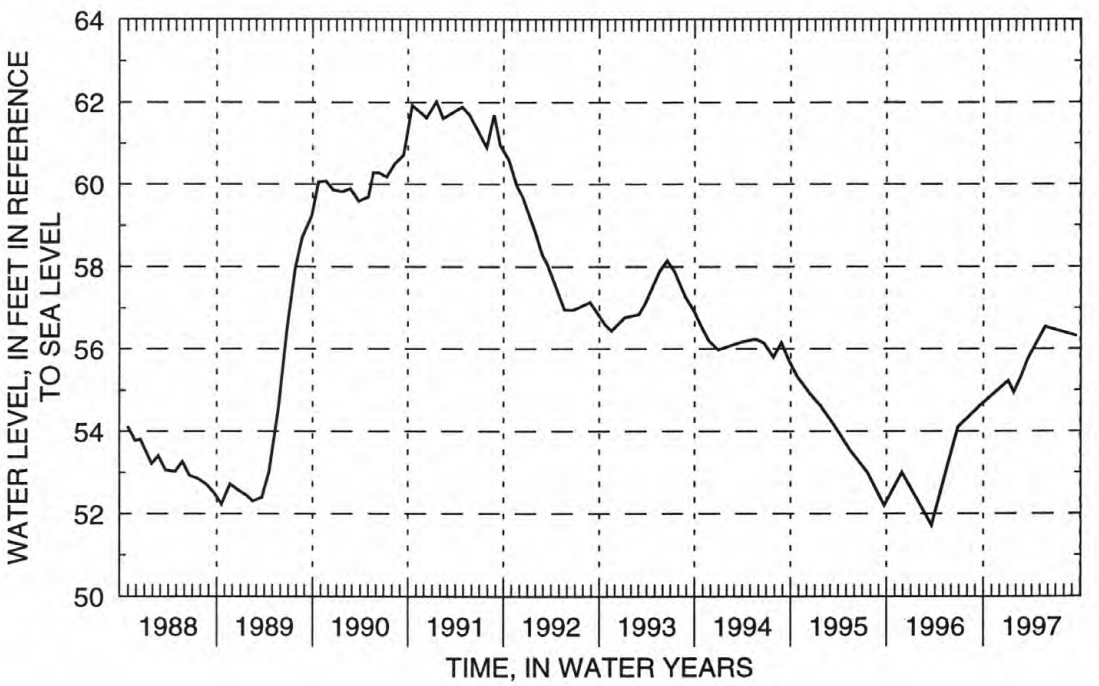
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	51.77	Jan 23	51.57	Feb 19	51.01	Mar 17	51.23	May 22	52.82	Sep 17	51.75

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	55.22	Jan 23	54.95	Feb 19	55.32	Mar 17	55.75	May 22	56.54	Sep 17	56.31



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), easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	39.68	Feb 19	40.17	May 19	40.42	Jul 16	37.74	Aug 28	38.80	Sep 18	38.61
Jan 23	39.81	Mar 17	40.29	Jun 16	39.30						

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), westernmost 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.

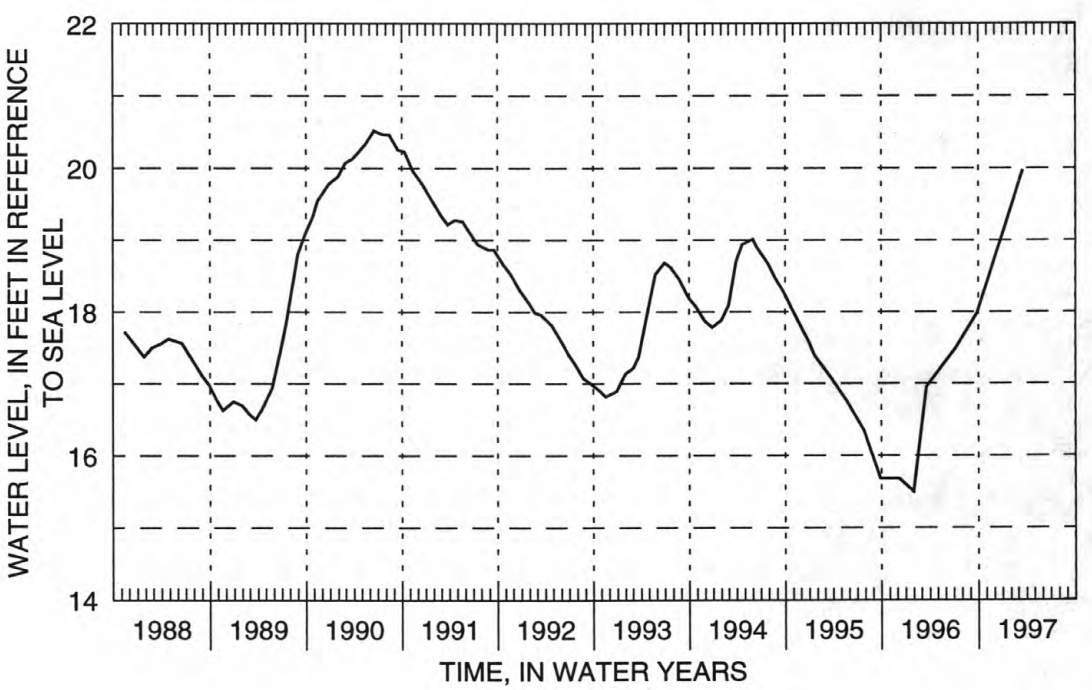
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	41.31	Feb 19	41.81	May 19	42.18	Jul 16	38.40	Aug 28	40.17	Sep 18	40.12
Jan 23	41.31	Mar 17	41.99	Jun 16	40.57						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 18	19.97										



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), northernmost 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.

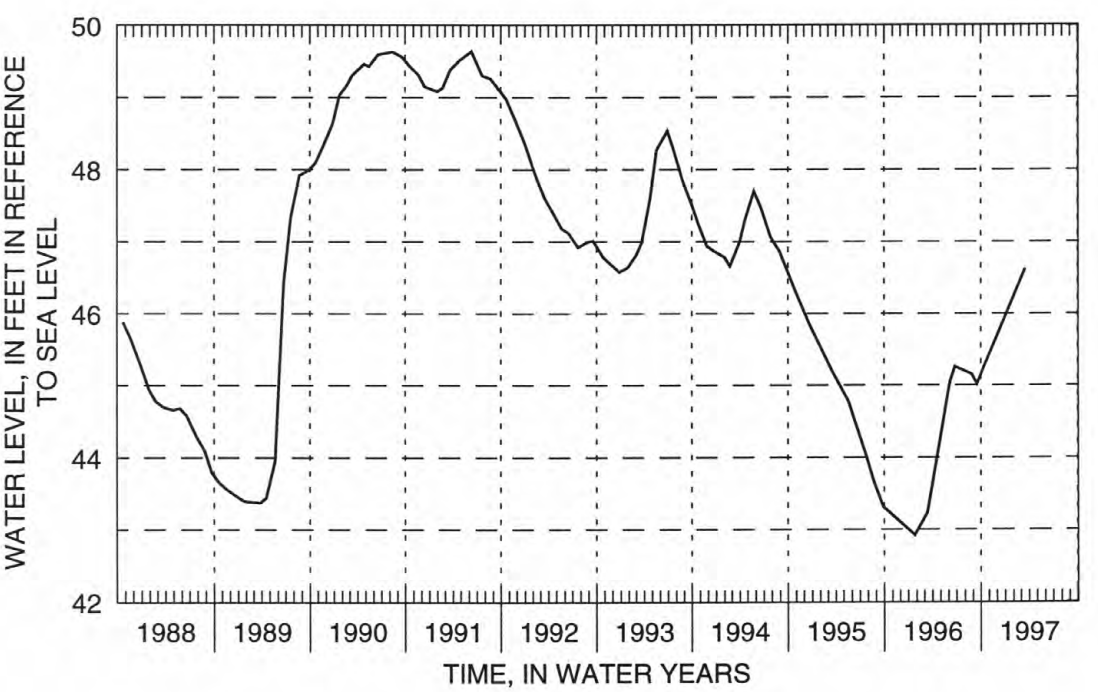
WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	19.79	Feb 26	19.98	May 30	20.35	Jul 17	20.16	Aug 29	19.95	Sep 25	19.64
Jan 30	19.71	Mar 12	20.08	Jun 23	20.39						

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), northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	46.62										

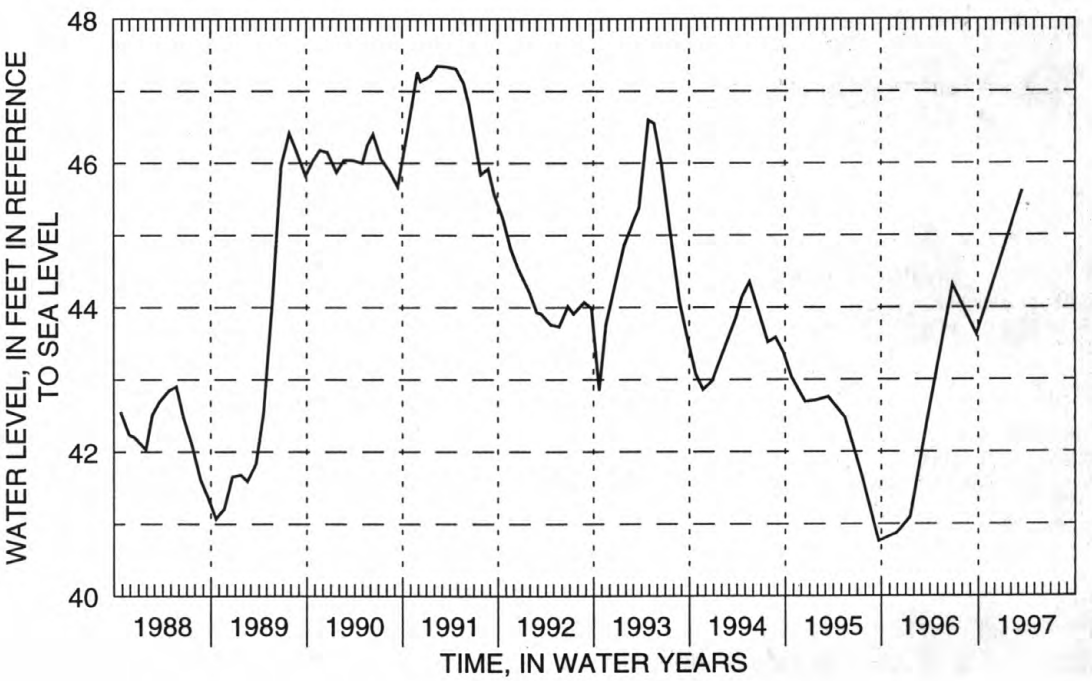


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	45.61										



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.

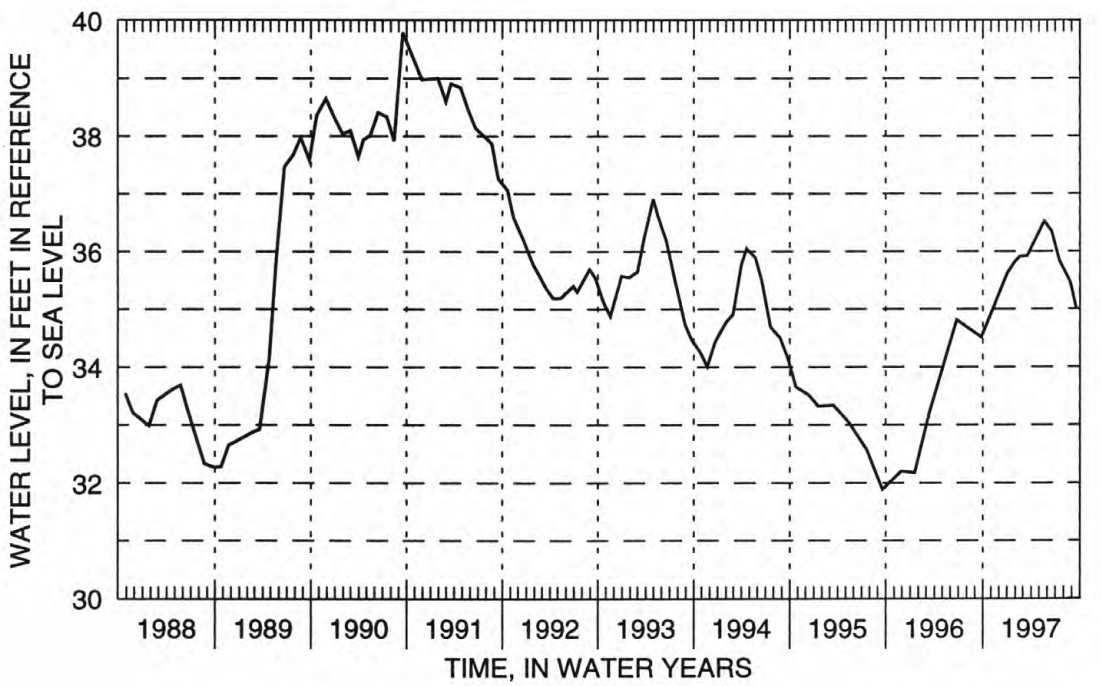
DATUM.—Land-surface datum is 54.0 ft above sea level. Measuring point: Top of 2-in steel casing, 1.84 ft above land-surface datum.

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	35.63	Feb 19	35.91	May 21	36.52	Jul 16	35.84	Aug 27	35.46	Sep 18	35.02
Jan 31	35.82	Mar 18	35.92	Jun 17	36.35						

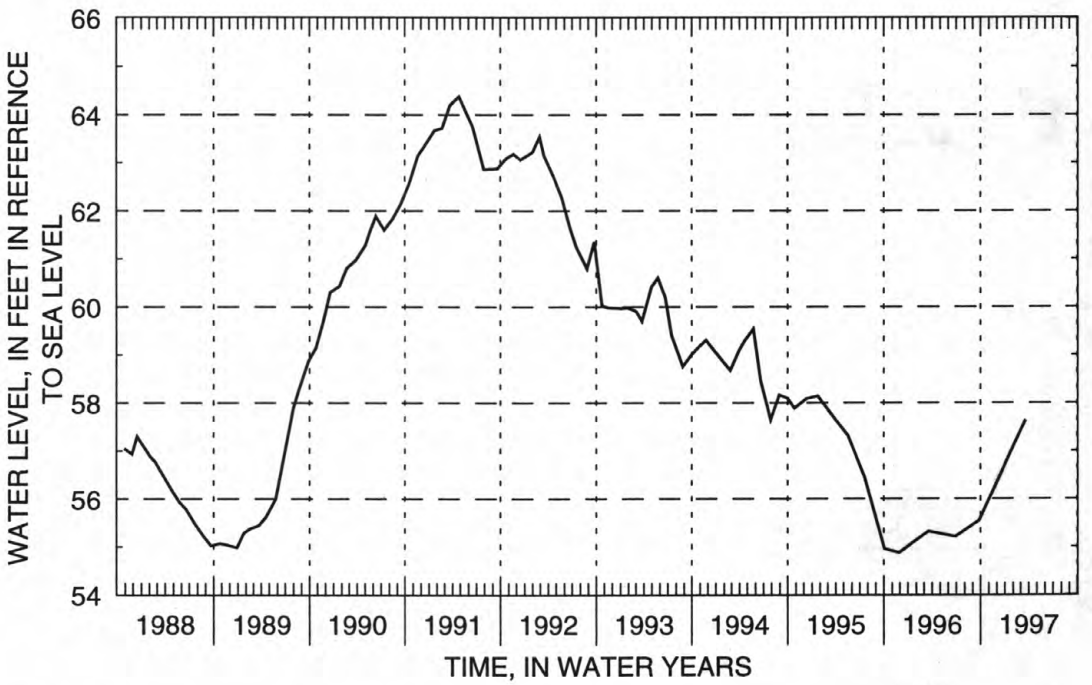


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 19	57.64										



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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	36.46	Feb 19	36.16	May 19	36.15	Jul 16	35.26	Aug 28	35.03	Sep 17	34.69
Jan 23	36.11	Mar 10	35.93	Jun 16	35.73						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	68.05	Feb 19	68.27	May 19	68.30	Jul 17	68.18	Aug 28	67.89	Sep 19	67.78
Jan 23	68.25	Mar 17	68.15	Jun 16	68.21						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	26.69	Feb 26	27.45	May 30	28.33	Jul 17	28.64	Aug 29	28.57	Sep 25	28.42
Jan 30	27.02	Mar 13	27.58	Jun 23	28.57						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	25.47	Feb 19	25.86	May 19	26.20	Jul 16	25.67	Aug 28	25.15	Sep 18	24.88
Jan 23	25.62	Mar 17	25.92	Jun 1	26.00						

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, 4.70 ft above sea level, January 6, 1997; lowest measured, 0.54 ft below sea level, May 5, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	4.70	Feb 26	4.62	May 5	4.42	Jul 17	4.21	Aug 25	4.10	Sep 25	4.25
Jan 30	4.49	Mar 12	4.51	Jun 22	4.26						

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, 4.26 ft above sea level, January 6, 1997; lowest measured, 2.46 ft above sea level, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO SEA LEVEL, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	4.26	Feb 26	3.66	May 30	3.69	Jul 17	3.43	Aug 29	3.50	Sep 25	3.25
Jan 30	3.71	Mar 12	2.93	Jun 23	3.77						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	44.36	Feb 19	44.79	May 19	45.19	Jul 16	45.14	Aug 28	45.34	Sep 17	44.85
Jan 23	44.60	Mar 18	44.92	Jun 16	45.23						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	7.71	Feb 21	8.45	May 21	8.37	Jul 14	7.37	Aug 28	6.45	Sep 19	6.11
Jan 27	8.25	Mar 14	8.51	Jun 19	7.98						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	11.03	Feb 26	10.79	May 30	10.82	Jul 17	10.05	Aug 29	9.28	Sep 25	8.78
Jan 30	10.97	Mar 18	10.70	Jun 17	10.63	Aug 25	9.32				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	44.89	Aug 25	43.03								

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	5.14	Feb 26	4.83	May 30	4.81	Jul 17	4.38	Aug 29	4.31	Sep 25	4.12
Jan 30	4.85	Mar 17	4.78	Jun 23	4.73						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	8.99	Feb 26	9.22	May 30	9.37	Jul 17	8.64	Aug 29	7.98	Sep 25	7.59
Jan 30	9.10	Mar 13	9.23	Jun 23	9.10						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	3.54	Feb 26	3.18	May 30	2.96	Jul 17	2.60	Aug 29	3.23	Sep 25	2.83
Jan 30	3.52	Mar 13	3.30	Jun 23	2.86						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 18	5.54										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	8.23										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	8.06										

PRIMARY WELLS

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, southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	8.03										

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 1996 TO SEPTEMBER 1997

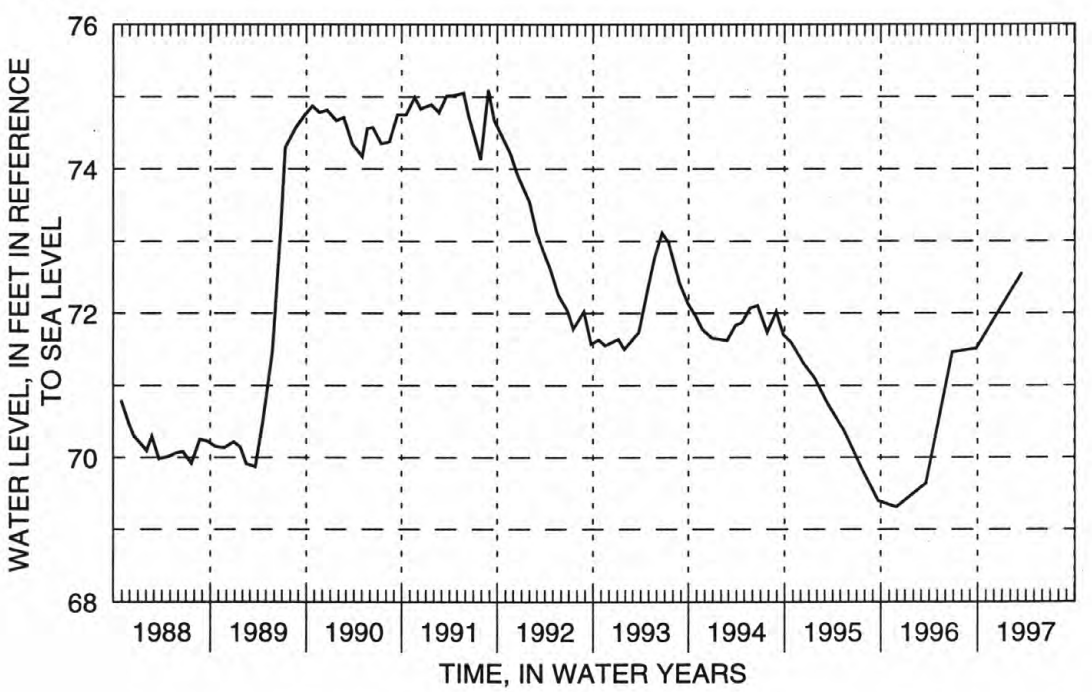
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	36.15	Feb 26	36.58	May 30	37.24	Jul 17	36.88	Aug 29	36.38	Sep 25	35.98
Jan 30	36.37	Mar 18	36.69	Jun 23	37.11						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	72.56										

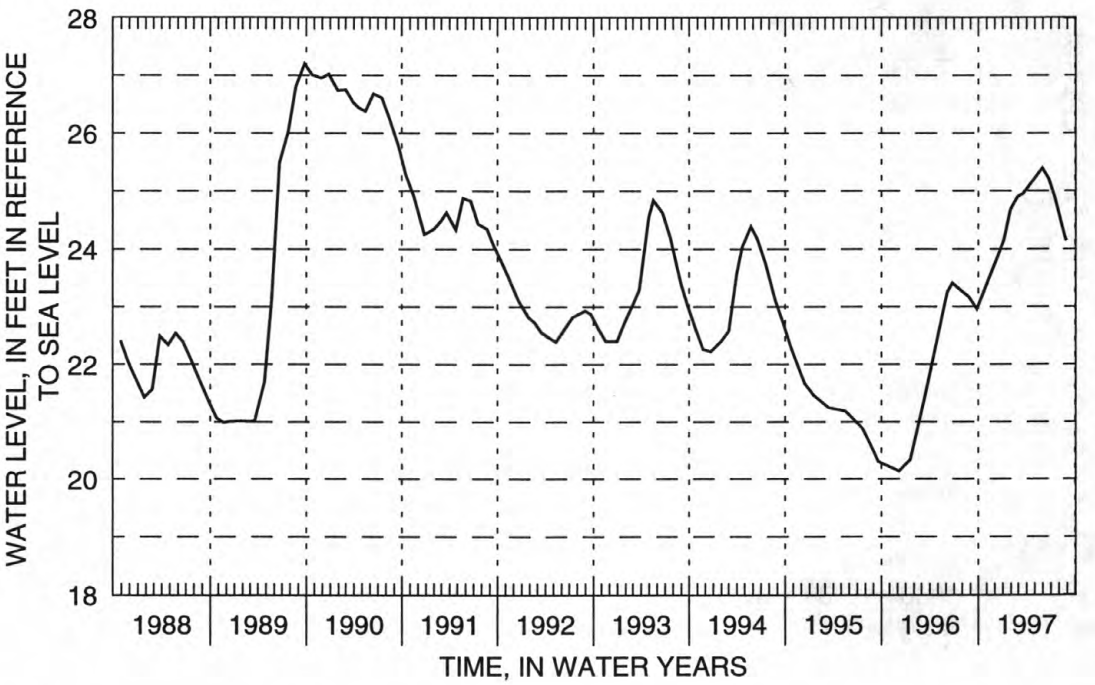


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	24.16	Feb 26	24.90	May 30	25.39	Jul 17	24.87	Aug 25	24.18	Aug 29	24.15
Jan 30	24.68	Mar 18	24.95	Jun 23	25.21						



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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	4.33	Mar 3	3.81	May 28	4.07	Jul 21	3.63	Sep 3	3.95	Sep 17	3.81
Jan 31	4.22	Mar 11	4.29	Jun 20	4.00						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	2.03	Mar 3	1.55	May 28	1.88	Jul 21	1.70	Sep 3	1.90	Sep 17	1.84
Jan 31	1.90	Mar 11	2.04	Jun 20	1.96						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	8.20	Feb 19	8.63	May 19	9.11	Jul 16	8.87	Aug 28	8.48	Sep 17	8.30
Jan 23	8.42	Mar 19	8.74	Jun 16	9.11						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	9.72										

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 18	5.60										

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 17	6.16										

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, southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	6.18	Feb 26	5.67	May 30	5.83	Jul 17	5.63	Aug 29	5.88	Sep 25	5.70
Jan 30	5.54	Mar 18	5.74	Jun 23	5.79						

PRIMARY WELLS

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	11.27	Feb 26	10.57	May 30	10.92	Jul 17	10.77	Aug 29	11.00	Sep 25	10.78
Jan 30	10.45	Mar 18	10.86	Jun 23	10.87						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	36.85	Feb 21	38.01	May 21	38.93	Jun 19	38.99	Jul 14	38.74	Aug 28	38.53
Jan 27	37.65	Mar 17	38.27								

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	54.15	Feb 19	54.11	May 19	55.22	Jul 16	54.83	Aug 27	53.52	Sep 17	53.09
Jan 23	54.67	Mar 10	54.13	Jun16	54.82						

PRIMARY WELLS

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	54.26	Feb 19	54.21	May 19	55.34	Jul 17	54.05	Aug 27	53.64	Sep 17	53.24
Jan 23	53.99	Mar 10	54.24	Jun 16	56.00						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	52.84	Feb 19	52.82	May 19	53.83	Jul 16	51.10	Aug 27	51.67	Sep 17	51.26
Jan 23	52.56	Mar 10	52.71	Jun 16	52.60						

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	65.22	Feb 19	65.85	May 19	66.73	Jul 17	65.76	Aug 27	65.58	Sep 17	65.53
Jan 23	65.32	Mar 17	66.06	Jun 16	66.50						

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	65.41	Feb 19	66.06	May 19	66.98	Jul 16	66.18	Aug 27	66.03	Sep 17	65.98
Jan 23	65.55	Mar 17	66.29	Jun 16	66.81						

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, southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	71.47	Feb 19	71.87	May 19	72.27	Jun 16	72.30	Jul 16	72.33	Sep 17	72.47
Jan 23	70.55	Mar 17	72.01								

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 11	42.87										

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 11	42.54										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 11	42.99										

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 11	52.44										

PRIMARY WELLS

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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	9.84	Feb 26	9.76	May 30	9.56	Jul 17	8.86	Aug 29	8.44	Sep 26	8.09
Jan 30	9.74	Mar 12	9.65	Jun 23	9.33						

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	9.82	Feb 26	9.66	May 30	9.63	Jul 17	8.98	Aug 29	8.60	Sep 26	8.29
Jan 30	9.58	Mar 12	9.32	Jun 23	9.38						

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	17.28	Mar 3	17.38	May 28	17.87	Jun 20	17.99	Sep 3	16.89	Sep 17	16.80
Jan 31	17.34										

PRIMARY WELLS

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 3	6.79	Mar 3	6.31	May 28	6.41	Jul 21	5.58	Sep 3	6.02	Sep 17	5.83
Jan 31	6.62	Mar 11	6.69	Jun 20	6.24						

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 1996 TO SEPTEMBER 1997

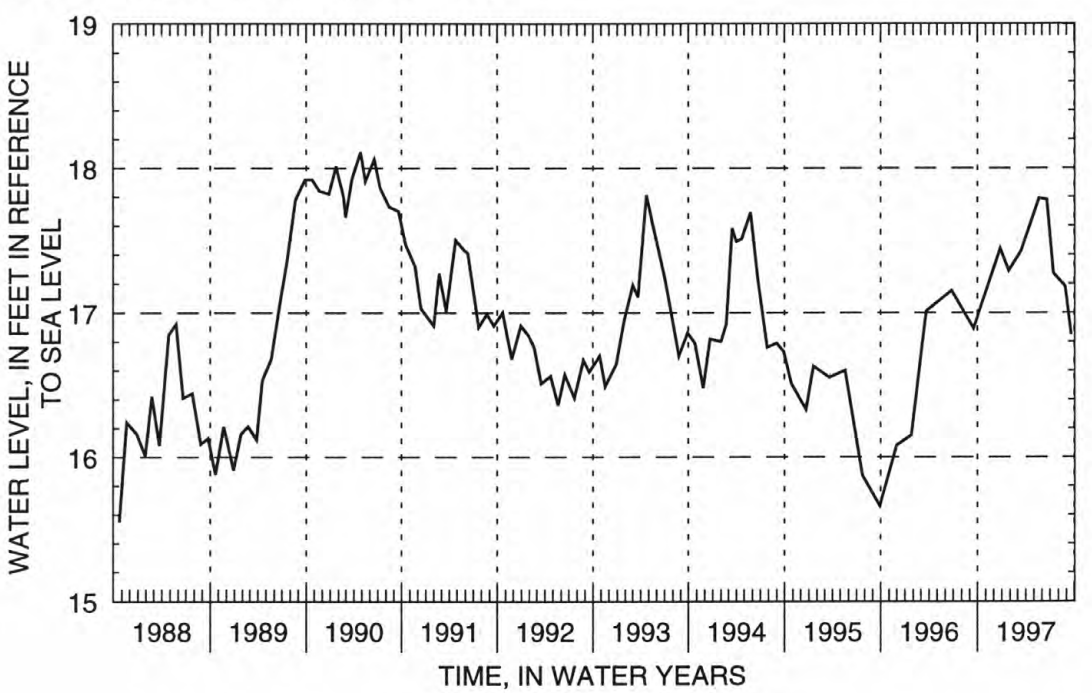
Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	21.43	Feb 19	21.68	Mar 17	21.55	May 19	21.58	Jun 16	20.48	Sep 18	20.12
Jan 23	21.61										

PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	17.44	Feb 21	17.87	May 21	17.79	Jul 14	17.27	Aug 28	17.18	Sep 19	16.85
Jan 27	17.29	Mar 13	17.42	Jun 19	17.78						

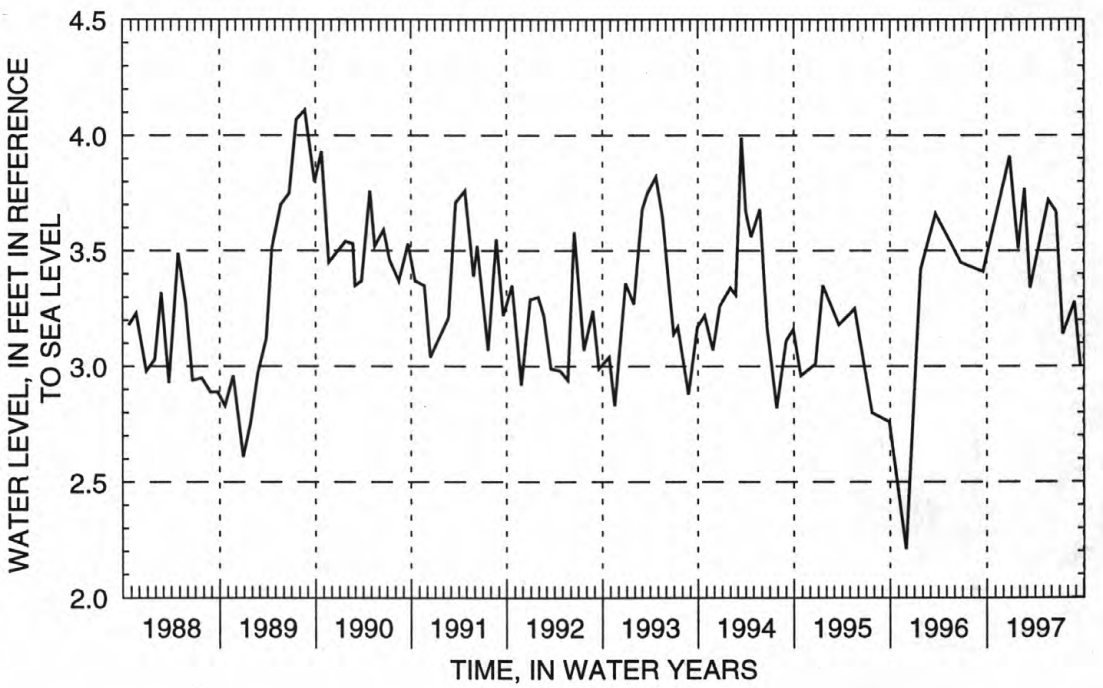


PRIMARY WELLS

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec 26	3.91	Feb 21	3.77	May 21	3.72	Jul 14	3.14	Aug 28	3.28	Sep 19	3.00
Jan 27	3.51	Mar 13	3.34	Jun 19	3.67						



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, easternmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb 27	25.17	Mar 21	24.94	May 30	24.61	Jun 17	24.41	Sep 25	23.18		

PRIMARY WELLS

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, westernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb 26	21.74	Mar 21	22.27	May 30	22.41	Jun 17	22.25	Sep 25	20.45		

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	11.41	Feb 26	11.28	May 30	11.25	Jul 17	10.90	Aug 29	10.76	Sep 25	10.61
Jan 30	11.30	Mar 21	11.24	Jun 17	11.15	Aug 26	10.71				

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 6	11.26	Feb 26	11.14	May 30	11.11	Jul 17	10.76	Aug 29	10.63	Sep 25	10.48
Jan 30	11.34	Mar 21	11.10	Jun 17	11.02	Aug 26	10.59				

PRIMARY WELLS

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan 2	25.80	Feb 19	25.95	May 19	26.80	Jul 16	25.77	Aug 27	25.17	Sep 17	25.27
Jan 23	25.75	Mar 10	26.17	Jun 16	26.59						

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, northernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	11.13										

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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	10.24										

PRIMARY WELLS

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, southernmost 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 1996 TO SEPTEMBER 1997

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar 13	11.13										

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	0735840	112JMCO	1954	46.9	--	--	03-18-1997	8.57
									09-29-1997	8.56
403451073585601	K2859.1	403451	0735856	211LLYD	1981	8.0	474	500	03-18-1997	5.56
403750073571701	K3132.1	403750	0735717	112JMCO	1982	31.0	259	300	03-24-1997	5.77
403612073573208	K3159.1	403612	0735732	112GLCLU	1989	20.0	32	35	03-18-1997	4.60
403605073571201	K3247.1	403605	0735712	112GLCLU	1980	18.6	21	24	03-18-1997	4.08
									09-29-1997	4.06
403712074001608	K3248.1	403712	0740016	112GLCLU	1980	40.4	42	45	03-18-1997	5.28
									09-29-1997	5.28
403442073575401	K3250.1	403443	0735755	112GLCLU	1980	9.2	21	24	03-24-1997	1.71
									09-29-1997	2.02
403827073535201	K3255.1	403827	0735352	112GLCLU	1980	16.8	21	24	03-24-1997	4.41
									09-29-1997	3.46
403949073532108	K3256.1	403949	0735321	112GLCLU	1980	27.0	26	29	02-26-1997	5.89
									03-17-1997	5.78
									06-26-1997	5.81
									07-23-1997	5.75
404017073544501	K3257.1	404017	0735445	112GLCLU	1980	49.0	47	50	03-17-1997	9.75
404325073563508	K3260.1	404325	0735635	112GLCLU	1980	28.7	20	23	03-24-1997	11.56
									09-29-1997	11.75
404025073515101	K3271.1	404025	0735151	112GLCLU	1981	22.4	31	34	03-24-1997	5.98
									09-29-1997	6.48
403817073580101	K3273.1	403817	0735801	112GLCLU	1981	33.5	36	39	03-17-1997	8.04
									09-29-1997	7.59
404037073584001	K3301.1	404036	0735840	112GLCLU	1984	60.6	65	70	01-07-1997	16.99
									01-24-1997	16.45
									02-28-1997	16.98
									03-18-1997	17.00
									05-29-1997	17.13
									06-26-1997	17.68
									07-23-1997	17.19
									09-29-1997	17.75
403719073573301	K3405.1	403719	0735733	112GLCLU	1995	33.5	204	214	01-07-1997	5.81
									01-24-1997	5.63
									02-26-1997	5.59
									03-18-1997	5.47
									05-29-1997	5.52
									06-26-1997	5.44
									07-23-1997	5.26
									09-29-1997	5.27
403806074021901	K3406.1	403806	0740219	112JMCO	1995	14.4	135	145	01-07-1997	2.99
									01-24-1997	3.36
									02-26-1997	3.00
									03-19-1997	3.58
									05-29-1997	3.45
									06-26-1997	3.85
									07-23-1997	3.51
									09-29-1997	3.05
403520073575701	K3407.1	403520	0735757	112JMCO	1995	8.5	385	405	01-07-1997	3.22
									01-24-1997	3.03
									02-28-1997	3.00
									03-18-1997	3.02
									05-29-1997	3.08
									06-26-1997	3.09
									07-23-1997	4.03
									09-29-1997	3.16

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)
404039073555002	K3410.1	404039	0735550	211LLYD	1995	61.8	330	350	01-07-1997	8.09
									01-24-1997	7.72
									02-26-1997	7.77
									03-20-1997	7.81
									05-29-1997	7.70
									06-26-1997	7.50
									07-23-1997	6.57
									09-29-1997	6.73
403431073581101	K3414.1	403431	0735811	211MGTY	1995	7.1	390	410	03-18-1997	0.67
									09-29-1997	1.69
403840073592101	K3424.1	403840	0735921	112GLCLU	1995	75.4	70	75	03-18-1997	8.72
									09-29-1997	8.72
404039073555001	K3425.1	404039	0735550	112GLCLU	1993	61.9	70	75	01-07-1997	11.66
									01-24-1997	11.70
									02-26-1997	11.75
									03-17-1997	11.80
									05-29-1997	11.77
									06-26-1997	11.86
									07-23-1997	11.71
									09-29-1997	11.95

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	0734242	211LLYD	1955	11.8	359	419	03-10-1997	-31.48
404527073353301	N845.1	404527	0733533	211MGTY	1941	110.0	--	--	04-23-1997	65.80
403748073422603	N1115.3	403748	0734226	112GLCLU	1990	22.0	--	--	03-11-1997	10.51
405048073404303	N1118.21	405048	0734043	112GLCLU	1961	147.0	73	82	12-11-1996	78.40
									03-10-1997	79.90
404835073404004	N1120.4	404835	0734040	112GLCLU	1976	116.0	95	100	12-11-1996	43.90
									01-27-1997	44.30
									02-26-1997	44.70
									03-10-1997	44.80
									05-21-1997	45.40
									06-19-1997	45.70
									07-21-1997	45.80
									08-20-1997	45.90
									09-18-1997	46.90
403942073371301	N1147.2	403942	0733713	112GLCLU	1966	27.0	21	24	03-10-1997	15.29
405318073375501	N1149.1	405318	0733755	112PGFG	1996	89.0	77	82	12-12-1996	40.22
									01-24-1997	40.46
									02-21-1997	40.72
									03-12-1997	40.89
									05-22-1997	41.48
									06-19-1997	41.73
									07-22-1997	41.75
									08-19-1997	41.72
									08-20-1997	41.68
									09-16-1997	41.66
405007073373101	N1153.1	405007	0733731	211MGTY	1940	122.0	--	--	12-12-1996	55.10
									03-12-1997	56.00
									05-22-1997	55.90
									07-22-1997	54.30
									08-20-1997	54.40
									09-16-1997	54.10
404800073371201	N1155.1	404800	0733712	211MGTY	1941	261.0	--	--	03-12-1997	62.30
									05-22-1997	63.10
									07-22-1997	63.30
									08-20-1997	63.40
									09-16-1997	63.40
404736073353101	N1176.1	404736	0733531	211MGTY	1940	195.0	193	198	12-12-1996	71.50
									03-11-1997	73.10
									03-11-1997	73.00
									05-22-1997	73.00
									07-23-1997	72.80
									08-20-1997	72.90
									09-16-1997	73.00
404037073335303	N1184.3	404036	0733351	112GLCLU	1969	32.0	26	31	03-11-1997	19.77
405246073343301	N1189.1	405246	0733433	112PGFG	1941	67.0	--	--	12-12-1996	60.63
									03-11-1997	61.26
									05-22-1997	61.13
									07-23-1997	59.69
									08-21-1997	59.22
									09-17-1997	58.77
404614073330504	N1195.5	404614	0733305	211MGTY	1976	148.0	111	116	03-10-1997	75.00
404202073315105	N1201.3	404202	0733151	112GLCLU	1961	56.0	26	30	03-11-1997	37.63
404015073312702	N1204.2	404015	0733127	112GLCLU	1975	21.0	37	40	03-12-1997	11.88
404447073282201	N1233.3	404447	0732822	112GLCLU	1961	89.0	37	40	03-13-1997	62.18
404301073275104	N1236.3	404301	0732751	112GLCLU	1975	70.0	47	52	03-12-1997	42.63
404102073283401	N1260.1	404102	0732834	112GLCLU	1936	33.0	--	--	03-12-1997	20.40
403948073272704	N1278.2	403948	0732727	112GLCLU	1965	13.0	11	14	03-12-1997	5.56
404024073272804	N1280.2	404024	0732728		1965	20.0	--	--	03-12-1997	10.11
403637073434502	N1422.2	403637	0734345	112GLCLU	1964	16.0	--	--	03-11-1997	7.23

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)
404008073380501	N1438.2	404009	0733804	112GLCLU	1981	35.0	--	--	03-10-1997	18.07
404032073360603	N1442.3	404032	0733606	112GLCLU	1967	29.0	21	24	03-11-1997	21.11
404052073414201	N1613.1	404052	0734142	211MGTY	1968	25.0	--	--	03-10-1997	15.09
404210073340801	N1615.4	404210	0733408	112GLCLU	1992	61.0	--	--	10-28-1996	38.50
									11-25-1996	38.43
									12-23-1996	39.84
									01-22-1997	39.64
									02-19-1997	39.92
									03-11-1997	39.87
									03-12-1997	39.83
									04-16-1997	40.33
									05-29-1997	40.34
									06-20-1997	40.00
									07-31-1997	38.98
									08-25-1997	38.88
									09-16-1997	38.59
404532073420901	N1802.2	404512	0734210	211LLYD	1946	131.0	641	691	04-23-1997	7.90
404425073424801	N1958.1	404426	0734148	211LLYD	1946	116.9	667	727	04-23-1997	8.30
404516073343401	N2602.2	404518	0733433	211LLYD	1953	116.0	760	800	04-23-1997	20.20
404943073415201	N2635.1	404943	0734152	112GRDR	1948	41.0	150	154	12-11-1996	24.73
404445073365101	N2748.3	404445	0733651	211MGTY	1982	94.0	460	510	04-23-1997	59.69
404850073344501	N3475.1	404849	0733445	211MGTY	1955	208.0	432	482	04-30-1997	72.00
404359073283601	N3554.1	404359	0732836	211MGTY	1968	90.0	265	269	03-13-1997	54.32
403842073420201	N3707.3	403842	0734202	112GLCLU	1968	8.0	15	17	03-11-1997	2.11
403823073422301	N3710.1	403823	0734322	112GLCLU	1968	6.0	15	18	03-11-1997	0.85
403859073430501	N3711.3	403859	0734305	112GLCLU	1968	8.0	21	24	03-11-1997	1.46
403621073441801	N3862.2	403621	0734418	211MGTY	1968	8.0	295	306	03-11-1997	3.75
403734073374801	N3865.2	403734	0733748	211MGTY	1955	5.0	553	563	03-11-1997	4.55
404403073370901	N3934.1	404402	0733708	211MGTY	1982	86.0	377	417	04-23-1997	50.34
403621073441702	N4062.1	403621	0734418	112JMCO	1968	8.0	137	142	03-11-1997	3.61
403904073324101	N4149.2	403904	0733241	211MGTY	1988	4.8	546	562	03-12-1997	9.47
404753073440303	N4266.2	404752	0734403	211LLYD	1954	57.0	377	393	03-10-1997	6.05
404306073332901	N4448.1	404307	0733328	211MGTY	1964	79.0	500	550	04-30-1997	49.27
403547073300901	N4547.1	403547	0733009	211MGTY	1968	15.0	216	256	04-25-1997	5.98
404820073381401	N5883.1	404820	0733814	211MGTY	1956	208.0	210	215	12-11-1996	47.70
									03-10-1997	48.80
									03-10-1997	48.90
									05-22-1997	49.30
									07-22-1997	48.90
									08-20-1997	48.80
									09-16-1997	48.60
404707073305301	N6190.2	404707	0733053	211MGTY	1961	177.0	550	600	04-23-1997	77.40
404517073310201	N6192.2	404517	0733102	211MGTY	1961	132.0	575	626	04-30-1997	67.50
403601073390703	N6366.3	403601	0733907	112GLCLU	1966	7.0	--	--	03-10-1997	1.79
403642073433201	N6510.1	403642	0734332	211MGTY	1958	8.0	455	461	03-11-1997	-2.26
404630073293801	N6580.2	404630	0732938	211MGTY	1964	158.0	523	596	04-23-1997	73.60
404757073315401	N6651.1	404754	0733157	211MGTY	1961	232.0	560	610	04-30-1997	78.10
405242073352201	N6670.1	405242	0733522	112GLCLU	1968	81.0	--	--	12-12-1996	74.02
									03-11-1997	74.59
									05-22-1997	74.91
									07-23-1997	74.58
									08-21-1997	74.67
									09-17-1997	74.30
403517073430610	N6701.2	403517	0734306	211RCNF	1959	11.0	822	832	12-27-1996	8.88
									01-24-1997	8.95
									02-26-1997	8.63
									03-11-1997	9.18
									05-27-1997	2.21
									06-23-1997	1.84
									09-19-1997	9.00

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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)
403517073430703	N6703.1	403517	0734306	211MGTY	1968	10.0	468	478	03-11-1997	2.79
403517073430704	N6704.1	403517	0734306	211MGTY	1968	10.0	284	294	03-11-1997	5.96
403713073415903	N6706.1	403713	0734159	211MGTY	1995	6.0	625	630	03-11-1997	3.52
403713073415905	N6793.1	403712	0734159	112GLCLU	1994	6.0	9	11	12-27-1996	4.88
									01-24-1997	4.75
									02-26-1997	4.64
									03-11-1997	4.59
									05-27-1997	4.42
									06-24-1997	4.42
									07-28-1997	4.30
									08-20-1997	3.24
									09-18-1997	5.00
403533073353203	N6851.1	403533	0733532	211MGTY	1968	7.0	551	556	03-12-1997	5.94
403533073353204	N6852.1	403533	0733532	211MGTY	1968	7.0	258	263	03-12-1997	1.01
403533073353205	N6853.1	403533	0733532	211MGTY	1968	7.0	127	132	12-27-1996	4.66
									01-24-1997	4.55
									02-26-1997	4.01
									03-12-1997	4.44
									05-27-1997	4.39
									06-23-1997	4.28
									09-18-1997	4.55
403805073395302	N6928.2	403805	0733953	211RCNF	1987	6.0	716	726	03-10-1997	4.37
404635073331001	N7030.1	404635	0733311	211MGTY	1964	158.0	480	530	04-30-1997	73.80
405433073344602	N7190.1	405433	0733446	112PGQF	1996	14.0	237	240	12-12-1996	8.68
									01-31-1997	8.37
									03-11-1997	8.54
									05-22-1997	7.21
									06-19-1997	3.29
									07-23-1997	-2.40
									08-21-1997	1.46
									09-17-1997	3.60
403838073405502	N7235.2	403838	0734055	112GLCLU	1968	25.0	43	45	03-11-1997	6.34
405018073395301	N7244.1	405018	0733954	112PGQF	1981	13.9	292	302	12-11-1996	13.77
									03-10-1997	14.41
404544073265502	N7397.2	404544	0732655	112GLCLU	1984	154.0	96	101	03-12-1997	66.60
404855073360102	N7450.2	404855	0733601	211MGTY	1975	176.0	--	--	12-12-1996	69.20
									03-11-1997	70.00
									03-11-1997	69.90
									05-22-1997	70.90
									07-23-1997	71.10
									08-20-1997	71.00
									09-16-1997	70.90
403840073411601	N7472.1	403840	0734116	211MGTY	1968	22.0	134	18	03-11-1997	5.32
404751073321901	N7478.1	404751	0733219	211MGTY	1968	217.0	160	165	12-12-1996	77.30
									03-11-1997	78.40
									05-22-1997	78.60
									07-23-1997	78.00
									08-20-1997	77.80
									09-16-1997	78.30
404652073372802	N7513.1	404652	0733727	211MGTY	1964	154.0	420	470	04-23-1997	63.60
404531073415401	N7593.1	405045	0732830	211MGTY	1970	253.0	408	468	04-30-1997	45.80
404611073401005	N7651.2	404611	0734010	211MGTY	1970	162.0	321	405	04-23-1997	43.50
403805073395303	N7675.1	403805	0733953	112GLCLU	1974	6.0	28	34	03-10-1997	0.22
405010073305901	N7773.1	405010	0733059	211MGTY	1969	230.0	500	560	04-30-1997	60.20
403910073341701	N8203.1	403909	0733416	112GLCLU	1973	7.0	13	16	03-12-1997	3.26
404156073262004	N8214.2	404156	0732620	211MGTY	1969	37.0	605	686	04-25-1997	25.04
404149073373101	N8264.1	404150	0733732	211MGTY	1970	54.0	460	510	04-23-1997	28.95
403521073365902	N8354.2	403521	0733659	211LLYD	1968	10.5	1215	1270	04-25-1997	8.96
403558073302704	N8414.2	403559	0733029	211LLYD	1969	7.5	1005	1075	04-25-1997	8.29

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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)
403724073362701	N8635.1	403724	0733728	112GLCLU	1970	7.0	26	29	03-11-1997	2.78
404144073285201	N8669.1	404143	0732850	112GLCLU	1970	42.0	30	35	03-12-1997	29.79
403631073391002	N8715.1	403631	0733910	112GLCLU	1971	7.0	16	18	03-10-1997	2.61
403936073303501	N8717.1	403936	0733035	112GLCLU	1974	9.0	11	15	12-27-1996	4.82
									01-24-1997	4.00
									01-29-1997	5.30
									02-26-1997	4.17
									03-12-1997	4.13
									05-27-1997	4.14
									06-23-1997	3.86
									07-23-1997	3.33
403925073261101	N8876.1	403923	0732611	112GLCLU	1972	5.0	30	35	03-12-1997	1.98
404730073423101	N8877.1	404730	0734231	112GLCLU	1972	12.0	71	76	12-11-1996	9.66
									01-24-1997	9.52
									03-10-1997	11.09
									05-22-1997	11.36
									06-20-1997	11.00
									07-21-1997	10.51
									08-20-1997	10.67
									09-17-1997	10.19
405055073430701	N8891.1	405047	0734314	112GLCLU	1972	60.0	67	72	12-11-1996	9.05
									03-10-1997	10.46
404723073443501	N8933.1	404723	0734435	112PGQF	1973	32.0	143	148	03-10-1997	12.66
404313073352201	N8944.1	404313	0733522	112GLCLU	1974	80.0	50	55	03-13-1997	50.90
404606073434101	N8970.1	404606	0734341	112GLCLU	1973	154.0	188	193	03-10-1997	29.40
403822073363302	N9054.1	403822	0733633	112GLCLU	1974	14.0	35	40	03-10-1997	5.66
405204073363403	N9066.3	405204	0733634	211MGTY	1983	143.0	220	270	03-11-1997	38.60
									05-22-1997	50.20
									07-22-1997	38.20
									08-21-1997	49.00
									09-17-1997	37.50
404324073342201	N9078.1	404324	0733422	112GLCLU	1975	84.0	60	65	03-11-1997	52.89
404740073285701	N9089.1	404719	0732857	211MGTY	1975	173.0	173	178	03-10-1997	77.10
404828073444501	N9098.1	404828	0734445	112GLCLU	1976	59.0	67	72	03-10-1997	20.68
405113073361301	N9115.1	405113	0733613	211MGTY	1970	145.0	105	110	12-12-1996	55.40
									03-11-1997	56.80
									05-22-1997	57.60
									07-22-1997	57.30
									08-21-1997	57.30
									09-17-1997	56.80
405131073405802	N9116.1	405131	0734058	112GLCLU	1976	15.0	26	31	12-11-1996	9.26
									03-10-1997	8.72
405144073432902	N9118.1	405144	0734329	112GLCLU	1976	51.0	95	100	12-11-1996	4.80
									03-10-1997	5.04
405416073325701	N9127.1	405416	0733257	112GLCLU	1976	10.0	36	41	12-12-1996	4.14
									03-11-1997	3.35
									05-22-1997	2.23
									07-23-1997	3.25
									08-21-1997	4.93
									09-17-1997	3.74
405158073300101	N9154.1	405158	0733001	112PGFG	1976	34.0	61	66	12-12-1996	23.02
									03-11-1997	23.61
									05-22-1997	23.83
									07-23-1997	22.65
									08-21-1997	22.99
									09-17-1997	22.81
404633073345401	N9168.1	404633	0733454	211MGTY	1976	165.0	212	217	12-11-1996	83.50

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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)
405148073320201	N9189.1	405148	0733202	112GLCLU	1981	59.0	37	42	12-12-1996	42.52
									03-11-1997	43.02
									05-22-1997	43.39
									07-23-1997	42.97
									08-21-1997	42.97
									09-17-1997	42.69
404703073370202	N9190.1	404703	0733702	211MGTY	1977	156.0	128	133	12-12-1996	64.20
									05-22-1997	66.40
									07-22-1997	66.40
									08-20-1997	66.20
									09-16-1997	66.10
404112073421003	N9309.1	404112	0734210	112GLCLU	1977	42.7	54	59	03-10-1997	20.83
404748073385705	N9313.1	404748	0733857	112GLCLU	1977	58.0	--	--	12-11-1996	46.11
									03-10-1997	46.57
									05-22-1997	47.09
									07-22-1997	46.25
									08-20-1997	45.99
									09-16-1997	45.69
405350073345401	N9314.1	405350	0733454	112GLCLU	1977	32.0	49	54	12-12-1996	22.23
									03-11-1997	22.58
									05-22-1997	22.60
									07-23-1997	20.81
									08-21-1997	20.63
									09-17-1997	20.20
405326073302102	N9316.1	405326	0733021	112GLCLU	1977	25.0	53	58	12-12-1996	4.81
									01-31-1997	4.12
									02-21-1997	3.93
									03-11-1997	4.35
									05-22-1997	4.07
									06-19-1997	4.23
									07-23-1997	3.76
									08-19-1997	3.83
									08-21-1997	6.07
									09-17-1997	4.12
404928073313401	N9317.1	404928	0733134	211MGTY	1977	218.0	189	194	12-12-1996	65.50
									03-11-1997	66.80
									05-22-1997	67.70
									07-22-1997	67.10
									08-21-1997	67.10
									09-16-1997	66.90
404934073334801	N9353.1	404934	0733348	211MGTY	1978	143.0	96	101	12-12-1996	72.10
									03-11-1997	73.60
									05-22-1997	74.30
									07-23-1997	74.30
									08-20-1997	74.30
									09-16-1997	74.20
404125073325006	N9473.1	404125	0733250	112GLCLU	1990	42.0	37	42	03-11-1997	30.56
403526073441301	N9474.1	403526	0734413	112GLCLU	1990	9.0	28	33	03-11-1997	2.69
404208073433401	N9476.1	404208	0734334	112GLCLU	1978	59.0	73	78	03-10-1997	24.97
405428073350302	N9478.1	405428	0733503	112GLCLU	1978	9.0	19	24	12-12-1996	6.87
									01-31-1997	6.04
									02-21-1997	5.82
									03-11-1997	6.19
									06-19-1997	5.70
									07-23-1997	5.23
									08-19-1997	5.42
									08-21-1997	6.36
									09-17-1997	5.05

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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)
404944073393603	N9608.2	404944	0733936	112GLCLU	1983	17.0	132	151	12-11-1996	14.78
									03-10-1997	15.05
									05-22-1997	15.13
									07-22-1997	14.39
									08-20-1997	14.39
									09-16-1997	14.07
404154073374003	N9648.1	404154	0733740	112GLCLU	1979	53.0	46	51	03-10-1997	31.95
404219073293402	N9658.1	404219	0732934	112GLCLU	1988	56.0	47	52	03-12-1997	38.71
404347073260702	N9662.1	404347	0732607	112GLCLU	1981	68.8	52	57	03-12-1997	51.00
404136073303801	N9664.1	404136	0733038		1987	36.0	26	31	03-12-1997	26.28
404202073354306	N9666.1	404202	0733543	112GLCLU	1979	55.0	42	47	03-11-1997	38.49
404320073305602	N9667.1	404320	0733056	112GLCLU	1985	76.0	50	55	03-12-1997	50.17
404111073353303	N9668.1	404111	0733533	112GLCLU	1979	49.0	45	50	03-13-1997	29.31
405142073375603	N9670.1	405142	0733756	112GLCLU	1979	33.0	37	42	12-12-1996	23.99
									03-12-1997	23.97
									05-22-1997	23.99
									07-22-1997	23.82
									08-20-1997	23.78
									09-16-1997	23.82
404707073385003	N9711.1	404707	0733850	112GLCLU	1979	145.0	--	--	12-11-1996	55.70
									03-10-1997	56.50
404846073440901	N9776.1	404846	0734410	211LLYD	1994	30.5	268	279	03-10-1997	2.09
404817073443901	N9820.1	404816	0734450	211LLYD	1982	68.9	308	313	03-10-1997	12.94
404901073443005	N9909.1	404901	0734430	112GLCLU	1990	17.9	18	40	03-10-1997	10.01
404253073395601	N9945.1	404253	0733956	112GLCLU	1982	76.0	59	64	03-10-1997	39.73
404446073372401	N9962.1	404446	0733724	112GLCLU	1982	111.0	60	65	03-11-1997	60.20
404404073363101	N9967.1	404404	0733631	112GLCLU	1982	82.0	48	54	03-11-1997	55.81
404421073262301	N9980.1	404421	0732623	112GLCLU	1986	81.0	50	55	03-12-1997	54.91
404404073420201	N9983.1	404404	0734202	211MGTY	1982	108.0	91	96	03-10-1997	42.50
403959073434301	N10001.1	403959	0734343	112GLCLU	1990	16.0	--	--	03-10-1997	8.96
403810073381201	N10006.1	403810	0733812	112GLCLU	1990	11.0	21	26	03-10-1997	4.69
403926073333001	N10007.1	403926	0733330		1981	12.0	--	--	03-11-1997	7.54
403847073401101	N10010.1	403847	0734011	112GLCLU	1990	23.0	35	40	03-10-1997	8.23
404855073444801	N10100.1	404855	0734448	112PLSC	1986	28.9	300	310	03-10-1997	10.98
403518073344401	N10134.1	403518	0733444	112GLCLU	1990	11.0	--	--	03-12-1997	3.58
404821073430501	N10192.1	404821	0734305	211LLYD	1985	24.0	343	348	03-10-1997	-0.38
405320073370101	N10199.1	405320	0733630	112GLCLU	1990	70.0	46	56	12-12-1996	60.94
									03-12-1997	60.64
									05-22-1997	60.48
									07-23-1997	59.00
									08-20-1997	59.04
									09-16-1997	59.07
405001073372301	N10245.1	405001	0733723		1990	96.0	--	--	12-12-1996	45.16
									03-12-1997	46.17
									05-22-1997	46.23
									07-22-1997	44.92
									08-20-1997	44.85
									09-16-1997	44.47
404900073373301	N10246.1	404900	0733733		1990	159.0	--	--	12-12-1996	55.70
									03-11-1997	57.00
									05-22-1997	57.50
									07-22-1997	56.80
									08-20-1997	56.70
									09-16-1997	56.60
404539073400407	N10291.1	404539	0734004	211MGTY	1991	124.8	--	--	12-12-1996	46.00
									03-10-1997	47.40
403738073375001	N10425.1	403738	0733750	211MGTY	1987	6.0	702	707	03-11-1997	4.87

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404813073310301	N10605.1	404813	0733103		1990	188.0	--	--	12-11-1996	78.10
									03-11-1997	79.40
									05-22-1997	80.10
									07-23-1997	79.50
									08-21-1997	79.40
									09-17-1997	79.40
405057073325102	N10606.1	405057	0733251	112GLCLU	1990	130.0	--	--	12-12-1996	62.90
									03-11-1997	64.40
									05-22-1997	64.80
									07-22-1997	64.40
									08-20-1997	64.40
									09-17-1997	64.30
404823073265901	N10607.1	404823	0732659	211MGTY	1990	260.5	--	--	12-11-1996	71.80
									03-11-1997	73.30
									07-23-1997	74.50
									08-21-1997	74.70
									09-17-1997	74.60
404842073291401	N10609.1	404842	0732914		1990	239.0	--	--	12-11-1996	70.60
									03-11-1997	72.30
									07-23-1997	72.60
									08-21-1997	72.70
									09-17-1997	72.70
403511073450901	N10620.1	403511	0734509	211LLYD	1987	4.0	114	115	03-11-1997	7.73
403505073401301	N11002.1	403505	0734013	211LLYD	1987	11.0	124	125	03-10-1997	5.34
403503073402401	N11109.1	403505	0734013	211MGTY	1987	11.0	78	79	03-10-1997	-2.53
404031073382701	N11166.1	404031	0733827	211MGTY	1993	36.0	62	64	03-10-1997	17.03
404202073401801	N11168.1	404202	0734018	211MGTY	1992	49.5	50	52	03-10-1997	29.46
405122073360601	N11279.1	405122	0733606	211LLYD	1991	131.0	47	49	12-12-1996	20.40
									03-11-1997	23.60
									05-22-1997	22.50
									07-22-1997	16.30
									08-21-1997	19.50
									09-17-1997	20.80
405035073324801	N11280.1	405035	0733248	211LLYD	1990	187.0	62	64	12-11-1996	56.40
									03-11-1997	57.50
									09-16-1997	59.20
405035073324601	N11281.1	405035	0733246	112PGQF	1990	187.0	49	51	12-11-1996	56.60
									03-11-1997	57.70
									05-22-1997	58.30
									07-22-1997	57.50
									08-20-1997	57.60
									09-16-1997	57.70
405005073353401	N11304.1	405005	0733534	211MGTY	1992	143.0	32	34	12-12-1996	65.70
									03-11-1997	67.30
									05-22-1997	68.20
									07-23-1997	68.00
									08-20-1997	67.90
									09-16-1997	67.70
404827073332501	N11310.1	404827	0733325	211MGTY	1996	221.0	53	55	05-22-1997	77.30
									07-23-1997	77.20
									08-20-1997	77.10
									09-16-1997	77.50
405009073293501	N11394.1	405009	0732935	211RCNF	1907	212.0	66	68	12-12-1996	55.30
									05-22-1997	57.70
									07-22-1997	57.20
									08-20-1997	57.10
									09-16-1997	57.10
404327073341701	N11396.1	404327	0733417	211MGTY	1990	83.0	56	58	03-11-1997	51.50
404328073341601	N11397.1	404328	0733416	211MGTY	1990	83.0	26	28	03-11-1997	52.56

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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)
404818073293001	N11453.1	404818	0732930	112PGQF	1991	207.5	840	860	12-11-1996	40.80
									03-11-1997	42.00
									05-22-1997	42.50
									07-23-1997	40.90
									08-21-1997	41.20
									09-17-1997	41.20
404818073293101	N11454.1	404818	0732931	211MGTY	1991	207.5	570	590	12-11-1996	72.90
									03-11-1997	74.40
									05-22-1997	75.30
									07-23-1997	74.50
									08-21-1997	74.60
									09-17-1997	74.50
404636073270902	N11455.1	404636	0732709	211LLYD	1990	194.5	961	981	03-10-1997	31.90
404636073271001	N11456.1	404636	0732710	211MGTY	1990	194.5	815	835	03-10-1997	70.60
404622073330701	N11457.1	404622	0733307	211LLYD	1991	153.0	840	860	03-10-1997	25.70
404326073341801	N11570.1	404326	0733418	211LLYD	1990	83.5	850	870	03-11-1997	16.83
403732073443402	N11573.1	403731	0734441	211LLYD	1991	8.0	775	795	03-10-1997	7.47
404012073314101	N11576.1	404012	0733141	211LLYD	1992	15.0	930	950	03-12-1997	14.62
404324073414401	N11577.1	404324	0734144	211LLYD	1991	45.5	700	720	03-10-1997	8.97
404012073314102	N11579.1	404012	0733141	211MGTY	1992	15.5	670	690	03-12-1997	14.86
404323073414401	N11580.1	404323	0734144	211MGTY	1991	44.5	430	450	03-10-1997	19.81
403732073443403	N11634.1	403733	0734443	211MGTY	1991	8.5	535	555	03-10-1997	-2.40
404123073291601	N11643.1	404123	0732916	211MGTY	1993	41.5	680	700	03-12-1997	22.71
404511073402501	N11659.1	404511	0734025	211MGTY	1992	104.0	399	419	12-12-1996	47.00
									03-10-1997	47.90
404233073325801	N11720.1	404233	0733258	211MGTY	1993	63.0	292	249	03-12-1997	43.72
404233073325901	N11721.1	404233	0733259	211MGTY	1993	63.0	600	624	03-12-1997	43.42
405004073353401	N11798.1	405004	0733534	211LLYD	1992	143.0	620	640	12-12-1996	27.50
									03-11-1997	29.60
									05-22-1997	30.00
									07-23-1997	25.20
									08-20-1997	26.90
									09-05-1997	28.40
									09-16-1997	28.00
405030073282101	N12075.1	405030	0732821	211LLYD	1993	198.0	830	850	03-11-1997	37.30
									05-22-1997	36.30
									07-22-1997	35.10
									08-21-1997	35.60
									09-16-1997	35.30
405146073420701	N12151.1	405146	0734207	112PGQF	1993	73.0	333	348	12-11-1996	6.60
									03-10-1997	6.86
404633073401801	N12163.1	404633	0734018	211MGTY	1993	168.0	210	230	12-12-1996	38.80
									03-12-1997	38.60
404303073295501	N12250.1	404303	0732955	112GLCLU	1995	71.0	--	--	10-28-1996	43.43
									11-25-1996	43.40
									12-23-1996	45.07
									01-22-1997	45.00
									02-19-1997	45.44
									03-12-1997	45.38
									03-12-1997	45.85
									04-16-1997	46.19
									05-29-1997	46.27
									06-20-1997	45.83
									07-31-1997	44.47
									08-25-1997	45.33
									09-16-1997	44.00
405226073322901	N12256.1	405226	0733229	112GLCLU	1995	23.0	--	--	12-10-1996	23.39
									03-10-1997	24.09
									05-22-1997	23.70
									07-23-1997	23.70
									09-11-1997	23.53

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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	0735008	211LLYD	1946	36.0	--	--	03-12-1997	6.85
404257073493701	Q273.1	404257	0734937	211LLYD	1952	26.0	308	438	03-18-1997	14.26
									09-29-1997	13.96
404141073471702	Q562.2	404140	0734716	211LLYD	1946	29.0	499	589	04-23-1997	8.58
404113073501102	Q1254.1	404113	0735011	112GLCLU	1940	56.0	63	65	03-17-1997	12.84
404116073505901	Q1255.1	404116	0735059	112GLCLU	1911	40.0	--	--	03-17-1997	32.70
404547073524401	Q1326.1	404547	0735244	112GLCLU	1950	27.0	--	--	03-18-1997	17.21
									09-29-1997	17.01
404656073503701	Q1373.1	404656	0735037	211LLYD	1962	50.5	194	206	03-12-1997	5.00
404224073450301	Q2300.1	404224	0734503	211MGTY	1983	63.7	240	275	04-23-1997	22.12
404504073501801	Q2418.1	404504	0735018	112GLCLU	1967	6.4	48	60	03-12-1997	1.08
404503073501901	Q2419.1	404503	0735019	211LLYD	1972	7.0	221	271	03-12-1997	10.64
									09-29-1997	10.47
404135073440102	Q2443.1	404135	0734402	211MGTY	1984	55.6	320	360	04-23-1997	18.74
404511073485201	Q2814.1	404511	0734852	112GLCLU	1982	45.0	70	79	03-18-1997	14.43
									09-29-1997	14.30
404040073445001	Q2955.1	404040	0734450	211MGTY	1967	25.0	405	445	04-23-1997	13.01
403940073443601	Q2994.1	403940	0734436	112GLCLU	1968	10.0	10	66	03-12-1997	5.21
									09-29-1997	4.73
403940073443501	Q2995.1	403940	0734435	112GLCLU	1968	10.0	10	83	03-12-1997	5.33
									09-29-1997	4.81
404202073491704	Q3069.2	404202	0734917	211LLYD	1977	65.0	510	550	04-23-1997	9.32
403845073475701	Q3110.1	403845	0734757	112JMCO	1981	10.0	306	326	01-24-1997	4.94
									02-28-1997	4.79
									03-12-1997	5.06
									06-06-1997	5.40
									07-22-1997	3.81
									08-11-1997	4.43
403939073472801	Q3112.1	403939	0734728	112JMCO	1981	11.3	290	300	01-24-1997	5.26
									02-28-1997	5.30
									03-12-1997	5.50
									06-06-1997	5.53
									06-24-1997	4.64
									07-22-1997	2.94
									08-11-1997	3.76
403845073475702	Q3115.1	403845	0734757	112GLCLU	1981	10.0	25	28	01-24-1997	3.59
									02-28-1997	3.56
									03-12-1997	3.72
									06-06-1997	4.21
									07-22-1997	3.66
									08-11-1997	4.05
403939073472802	Q3117.1	403939	0734728	112GLCLU	1981	11.0	11	23	01-24-1997	4.87
									02-28-1997	5.05
									03-12-1997	5.05
									06-06-1997	5.28
									06-24-1997	5.10
									07-22-1997	4.86
									08-11-1997	5.22
404654073465901	Q3119.1	404654	0734659	112GLCLU	1980	38.0	37	40	03-18-1997	19.97
									09-29-1997	19.53
404226073303201	Q3163.1	404226	0734533	112GLCLU	1984	50.0	61	66	03-17-1997	21.04
									09-29-1997	20.97
404138073535102	Q3587.1	404138	0735351	112GLCLU	1996	88.1	160	170	01-10-1997	13.80
									01-29-1997	13.57
									02-28-1997	13.66
									03-17-1997	14.09
									05-22-1997	14.11
									06-23-1997	14.20

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404026073472102	Q3589.1	404026	0734721	211MGTY	1995	23.0	310	320	01-29-1997	6.25
									02-28-1997	6.19
									03-17-1997	6.01
									05-22-1997	6.42
									06-25-1997	6.20
									07-22-1997	1.57
404733073482901	Q3593.1	404733	0734829	211LLYD	1997	20.8	165	185	03-18-1997	4.21
									03-24-1997	4.53
									09-29-1997	5.20
404732073482901	Q3604.1	404732	0734829	112GLCLU	1997	20.7	48	58	03-24-1997	23.54
404437073535401	Q3648.1	404437	0735354	112GLCLU	1996	78.1	80	85	01-29-1997	46.15
									02-28-1997	46.31
									03-17-1997	46.34
									05-22-1997	46.72
									06-23-1997	46.74
									07-25-1997	46.57
404138073535101	Q3649.1	404138	0735351	112GLCLU	1996	88.4	100	105	01-10-1997	13.34
									01-29-1997	13.10
									02-28-1997	13.20
									03-17-1997	13.63
									05-22-1997	13.66
									06-23-1997	13.73
									07-22-1997	13.61
404402073520901	Q3650.1	404402	0735209	112GLCLU	1996	19.7	40	50	01-10-1997	9.88
									01-29-1997	9.77
									02-28-1997	9.74
									03-17-1997	9.88
									05-22-1997	9.78
									06-23-1997	9.81
									07-25-1997	10.07
404251073512601	Q3651.1	404251	0735126	112GLCLU	1996	51.3	--	--	01-10-1997	17.88
									01-29-1997	17.77
									02-28-1997	17.85
									03-17-1997	18.12
									05-22-1997	18.46
									06-23-1997	18.63
									07-25-1997	18.60
404350073494501	Q3652.1	404350	0734945	112GLCLU	1996	73.0	80	85	01-29-1997	14.87
									02-28-1997	14.93
									03-18-1997	14.96
									05-22-1997	15.28
									06-23-1997	15.27
									07-25-1997	15.10
404027073464501	Q3658.1	404027	0734645	112GLCLU	1996	18.4	30	35	01-10-1997	5.86
									01-29-1997	5.65
									02-28-1997	5.83
									03-17-1997	5.70
									05-22-1997	5.76
									06-23-1997	5.45
									07-22-1997	5.37
404313073475201	Q3659.1	404313	0734752	112GLCLU	1996	91.4	115	120	01-29-1997	19.20
									02-28-1997	19.45
									03-18-1997	19.78
									05-22-1997	20.27
									06-23-1997	20.56
									07-25-1997	20.30

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404450073470301	Q3660.1	404450	0734703	112GLCLU	1996	66.0	80	85	01-29-1997	22.62
									02-28-1997	22.76
									03-18-1997	22.89
									05-22-1997	23.44
									06-23-1997	23.54
									07-24-1997	23.34
404357073462001	Q3661.1	404357	0734620	112GLCLU	1996	81.0	85	90	01-29-1997	21.83
									02-28-1997	22.03
									03-18-1997	22.34
									05-22-1997	23.06
									06-23-1997	23.51
									07-24-1997	23.49

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)
404319073184701	S1807.6	404319	0731847	112GLCLU	1995	25.5	--	--	10-28-1996	21.68
									11-25-1996	21.32
									12-23-1996	21.99
									01-22-1997	21.68
									02-19-1997	21.85
									03-12-1997	21.60
									04-16-1997	21.84
									05-29-1997	21.58
									06-20-1997	21.42
									07-31-1997	20.96
									08-25-1997	20.93
									09-16-1997	20.65
404221073164905	S1808.5	404221	0731649	112GLCLU	1995	13.5	--	--	10-28-1996	10.45
									11-25-1996	10.04
									12-23-1996	10.68
									01-22-1997	10.25
									01-22-1997	10.29
									02-19-1997	10.48
									03-12-1997	10.35
									04-16-1997	10.43
									05-29-1997	10.07
									06-20-1997	9.89
									07-31-1997	9.57
									08-25-1997	9.59
									09-16-1997	9.30
404659073141801	S1815.3	404659	0731418	112GLCLU	1984	72.5	50	54	03-17-1997	47.93
405109072513001	S2485.1	405109	0725130	112GLCLU	1948	69.0	65	75	03-17-1997	36.73
									08-26-1997	35.43
404509073152301	S3516.1	404509	0731523	112GLCLU	1942	60.0	--	--	03-17-1997	38.76
404918072560301	S3530.1	404918	0725603	112GLCLU	1907	65.6	--	--	03-19-1997	33.95
405121072415601	S3539.1	405121	0724156	112GLCLU	1942	79.0	--	--	03-12-1997	25.83
405220072493101	S6441.2	405220	0724931		1994	49.5	--	--	03-17-1997	37.91
									08-25-1997	35.90
405347072494001	S6443.1	405347	0724940	112GLCLU	1995	55.0	--	--	03-17-1997	41.65
									08-25-1997	41.89
405507072244402	S8831.2	405511	0722445	112GLCLU	1976	20.0	--	--	03-18-1997	7.96
405307072323503	S8835.2	405307	0723235	112GLCLU	1981	30.5	--	--	03-12-1997	10.08
404915072531801	S9129.1	404914	0725317	112GLCLU	1982	34.0	--	--	03-18-1997	15.77
404915072531801	S9129.1	404914	0725317	112GLCLU	1982	34.0	--	--	08-25-1997	14.56
404831072530501	S9130.1	404829	0725305	112GLCLU	1952	26.0	25	28	03-18-1997	10.83
									08-25-1997	10.39
404446073191801	S9646.1	404446	0731918	112GLCLU	1958	51.0	--	--	03-11-1997	40.34
404049073241201	S10075.1	404049	0732412	112GLCLU	1958	25.0	33	43	03-12-1997	14.02
404128073220201	S10142.1	404128	0732202		1958	16.8	--	--	03-12-1997	12.46
404225073234201	S10314.1	404225	0732342	112GLCLU	1958	48.0	--	--	03-12-1997	32.37
404347073195501	S10370.1	404347	0731955		1958	38.0	--	--	03-11-1997	26.59
410059072292701	S10390.1	410059	0722927	112GLCLU	1988	25.9	--	--	03-14-1997	19.33
404433073212701	S11204.1	404433	0732127		1958	53.0	--	--	03-11-1997	42.48
404540073211001	S11240.1	404540	0732110	112GLCLU	1958	61.0	--	--	03-11-1997	52.69
404527073220901	S12035.1	404527	0732209	112GLCLU	1958	70.0	--	--	03-11-1997	54.30
404423073222601	S12069.1	404423	0732226		1958	65.0	--	--	03-11-1997	45.00
404527073191501	S14119.1	404527	0731915	112GLCLU	1958	70.0	--	--	03-11-1997	53.98
404425073200701	S14471.1	404425	0732007	112GLCLU	1958	44.0	--	--	03-11-1997	37.10
410034072094701	S15048.1	410035	0720948	112GLCLU	1974	20.0	31	46	03-13-1997	7.55
405308073175101	S15514.1	405308	0731751	211MGTY	1984	200.0	533	593	04-10-1997	36.30
410008072015901	S16118.1	410008	0720159	112GLCLU	1974	4.8	31	46	03-13-1997	1.79
404200073252701	S16480.1	404200	0732527	112GLCLU	1958	39.0	35	45	03-12-1997	28.00
405336073073001	S16612.1	405336	0730730		1968	146.0	--	--	03-17-1997	43.30
405843072352902	S16756.2	405843	0723529	112GLCLU	1975	61.0	59	62	03-13-1997	9.21
410356072260301	S16780.1	410356	0722603	112GLCLU	1958	43.0	47	50	03-14-1997	4.21

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405446073180701	S16884.1	405446	0731807	112GLCLU	1958	34.0	40	43	03-17-1997	19.93
405040073175801	S19057.1	405040	0731758	211MGTY	1970	150.0	604	676	04-30-1997	57.20
404902073094003	S22579.1	404902	0730940	112GLCLU	1964	60.0	200	210	03-10-1997	42.06
404828073114002	S22580.1	404828	0731140	211MGTY	1964	123.0	792	802	03-17-1997	40.00
404828073114003	S22581.1	404828	0731140	211MGTY	1964	123.2	440	450	03-17-1997	41.40
404828073114004	S22582.1	404828	0731140	112GLCLU	1964	123.7	105	115	03-17-1997	42.40
405047073120601	S23631.1	405047	0731207	211MGTY	1977	40.0	494	595	04-17-1997	32.16
405140073222101	S23998.1	405140	0732221	211MGTY	1970	220.0	525	597	04-30-1997	59.60
404818073135904	S24773.1	404813	0731356	211MGTY	1966	118.4	412	422	03-17-1997	46.30
405716072505701	S26780.1	405716	0725057	112GLCLU	1970	21.7	--	--	03-17-1997	19.37
405445073064801	S29411.1	405451	0730648	211MGTY	1977	125.0	--	--	04-29-1997	36.70
404703073264201	S29776.1	404710	0732640	211MGTY	1967	193.0	710	720	03-19-1997	73.10
404703073264202	S29777.1	404710	0732640	211MGTY	1967	193.0	387	397	03-19-1997	73.30
404703073264205	S29778.1	404710	0732640	211MGTY	1967	193.0	158	168	03-19-1997	74.10
405124072353701	S30230.1	405124	0723537	211MGTY	1970	45.0	805	825	03-12-1997	13.16
404515073225501	S30506.1	404520	0732244	211MGTY	1969	75.0	546	618	04-10-1997	54.37
405411072232901	S31037.1	405411	0722329	211MGTY	1980	36.0	--	--	04-29-1997	10.35
405838072114201	S31653.1	405837	0721137	211MGTY	1974	68.0	420	460	04-24-1997	11.98
404046073252101	S32501.1	404047	0732521	211MGTY	1972	26.0	560	630	04-10-1997	14.44
405132073155901	S33006.1	405143	0731554	211MGTY	1975	147.0	436	503	04-29-1997	46.70
405336073073601	S33500.1	405340	0730735	211MGTY	1970	148.0	485	548	04-17-1997	43.90
405718072190401	S33922.1	405714	0721938	211MGTY	1972	110.0	405	445	04-24-1997	24.50
405512073010502	S34007.1	405512	0730105	211MGTY	1984	142.0	270	345	04-22-1997	47.10
405246073142801	S34460.1	405250	0731429	211MGTY	1970	153.0	531	596	04-15-1997	33.70
405517072574903	S34894.1	405518	0725749	211MGTY	1970	122.8	698	740	04-24-1997	45.50
405505072432201	S36013.1	405505	0724322	112GLCLU	1970	47.0	--	--	03-13-1997	22.55
404656073081401	S36143.1	404656	0730814	112GLCLU	1969	72.0	59	62	03-17-1997	33.32
404707073023401	S36145.1	404707	0730234	112GLCLU	1969	44.6	30	43	03-18-1997	31.77
405259072465601	S36147.1	405259	0724656	112GLCLU	1970	47.8	--	--	03-17-1997	36.60
405117072490301	S36150.1	405117	0724903	112GLCLU	1951	50.0	--	--	03-17-1997	35.27
									08-25-1997	33.51
405010072443501	S36152.2	405014	0724438		1975	65.0	62	66	03-18-1997	21.55
405715072413201	S36153.1	405715	0724132	112GLCLU	1969	75.2	--	--	03-13-1997	15.61
404627073070901	S36460.1	404537	0731635	211MGTY	1976	76.0	--	--	04-10-1997	40.81
404236073225001	S37681.1	404232	0732256	211MGTY	1976	42.0	--	--	04-10-1997	27.45
404406073193401	S37861.1	404402	0731929	211MGTY	1978	41.8	--	--	04-15-1997	25.90
410400072195301	S38461.1	410400	0721953	112GLCLU	1970	12.0	--	--	12-24-1996	6.39
									03-13-1997	7.09
404921073122703	S38491.1	404920	0731225	211MGTY	1984	61.0	320	383	04-10-1997	39.74
405256073045602	S38784.1	405256	0730456	211MGTY	1984	100.9	528	600	04-15-1997	54.05
405418073064902	S38916.1	405418	0730647	211MGTY	1976	227.0	--	--	04-22-1997	40.30
405924072321501	S39269.1	405924	0723215	112GLCLU	1983	13.6	--	--	03-14-1997	3.75
405206073153002	S40842.2	405206	0731530		1975	91.6	60	63	03-18-1997	49.60
405510073063401	S40849.1	405510	0730634	112GLCLU	1971	80.5	--	--	03-17-1997	41.78
405555073060101	S40850.1	405555	0730601		1971	60.7	--	--	03-17-1997	27.21
405744072571902	S40851.2	405744	0725719	112GLCLU	1976	32.0	47	50	03-17-1997	16.08
405646072564301	S40852.1	405656	0725643	112GLCLU	1971	114.6	95	97	03-17-1997	30.90
405610072562501	S40853.2	405610	0725625	112GLCLU	1985	100.2	74	78	03-17-1997	38.00
405223073021301	S41050.1	405222	0730213	112GLCLU	1972	89.4	67	69	03-10-1997	67.61
405119073123702	S42473.1	405119	0731236	211MGTY	1977	76.0	574	645	04-15-1997	26.30
405357073194802	S42681.2	405354	0731948	112GLCLU	1983	83.5	75	80	03-17-1997	33.31
405016073200101	S42682.1	405016	0732001	112GLCLU	1972	159.2	--	--	03-17-1997	70.50
405335073073201	S42683.1	405335	0730732	112GLCLU	1972	145.7	--	--	03-17-1997	55.30
404305073161401	S42762.1	404305	0731615	211MGTY	1976	26.0	650	710	04-10-1997	19.00
404511073112301	S42827.1	404513	0731124	211MGTY	1976	35.0	598	660	04-10-1997	23.82
404820073073402	S43641.1	404820	0730734	211MGTY	1984	99.9	--	--	04-15-1997	42.39
404124073241601	S43809.1	404124	0732416	112GLCLU	1974	34.0	24	34	03-12-1997	21.10
404124073241602	S43810.1	404124	0732416	112GLCLU	1974	33.8	61	71	03-12-1997	21.20
404503073010801	S44466.1	404503	0730108	112GLCLU	1974	4.3	15	20	03-18-1997	1.42
405132073181401	S45207.1	405132	0731814	112GLCLU	1974	165.0	134	144	03-17-1997	63.10

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Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msi)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405005073233701	S45208.1	405005	0732337	112GLCLU	1974	185.3	123	133	03-19-1997	75.80
404945073174501	S45210.1	404945	0731745	112GLCLU	1974	130.2	97	107	03-17-1997	63.20
404305073085300	S45220.1	404308	0730852	211MGTY	1997	10.0	--	--	04-22-1997	6.88
404503073131201	S45839.1	404502	0731315	211MGTY	1976	40.0	650	722	04-15-1997	26.38
405231073250500	S46281.1	405231	0732505	112GLCLU	1974	34.0	38	50	03-17-1997	20.30
404823073211800	S46283.1	404823	0732118	112GLCLU	1974	275.0	225	235	03-17-1997	67.90
405915072121501	S46522.1	405915	0721215	112GLCLU	1972	91.2	--	--	03-13-1997	12.21
405828072115101	S46523.1	405828	0721150	112GLCLU	1972	64.5	94	97	03-13-1997	12.51
405906072153501	S46524.1	405907	0721534	112GLCLU	1972	15.7	--	--	03-13-1997	11.78
405746072175901	S46527.1	405747	0721800	112GLCLU	1972	75.0	--	--	03-17-1997	28.40
405842072211401	S46528.1	405843	0722115	112GLCLU	1972	125.5	99	102	03-18-1997	40.40
405602072221802	S46529.2	405602	0722248	112GLCLU	1983	70.0	77	81	03-18-1997	17.49
405418072233800	S46530.1	405418	0722338	112GLCLU	1972	36.8	38	42	03-17-1997	10.70
405332072262201	S46531.1	405332	0722622	112GLCLU	1972	36.4	--	--	03-17-1997	5.52
405147072305001	S46532.1	405147	0723050	112GLCLU	1972	24.0	--	--	03-12-1997	4.51
405302072313501	S46533.1	405302	0723135	112GLCLU	1972	84.7	--	--	03-12-1997	7.95
405230072341901	S46534.1	405230	0723419	112GLCLU	1973	82.0	81	84	03-12-1997	12.98
405144072333701	S46535.1	405144	0723337	112GLCLU	1972	44.5	--	--	03-12-1997	8.81
405324072352101	S46536.1	405324	0723521	112GLCLU	1976	24.7	--	--	03-12-1997	13.06
405130072353101	S46537.1	405130	0723531	112GLCLU	1972	56.2	--	--	03-12-1997	13.02
405348072370401	S46538.1	405340	0723709	112GLCLU	1972	61.3	--	--	03-12-1997	29.94
405222072370701	S46539.1	405222	0723707	112GLCLU	1972	100.0	--	--	03-12-1997	18.00
405020072355801	S46540.1	405020	0723558	112GLCLU	1972	37.8	--	--	03-12-1997	9.95
405353072403801	S46541.1	405342	0724057	112GLCLU	1972	27.3	--	--	03-13-1997	18.21
405301072415101	S46542.1	405301	0724151	112GLCLU	1972	163.0	--	--	03-13-1997	26.30
405131072455701	S46546.1	405131	0724557	112GLCLU	1972	127.0	--	--	03-18-1997	30.20
405620073022001	S46549.1	405624	0730221	112GLCLU	1972	97.0	97	101	03-17-1997	24.18
404804072484101	S46713.1	404804	0724841	211MGTY	1977	20.0	385	440	04-22-1997	14.05
404606073174601	S46830.1	404606	0731746	211MGTY	1976	76.0	550	651	04-15-1997	46.92
405230073164400	S46965.1	405230	0731644	112GLCLU	1974	166.0	138	148	03-18-1997	45.60
404759073251600	S47220.1	404759	0732516	112GLCLU	1974	172.3	79	89	03-19-1997	99.10
405417072402300	S47230.1	405417	0724023	112GLCLU	1974	22.0	20	32	03-13-1997	13.07
405536072375303	S47231.2	405536	0723753	112GLCLU	1995	21.0	39	41	03-13-1997	2.41
405407073001101	S47310.1	405407	0730011	211MGTY	1976	135.0	623	693	04-24-1997	51.80
405110072531503	S47438.1	405123	0725407	211MGTY	1983	105.0	214	265	04-29-1997	37.83
404804073051300	S47453.1	404804	0730513	211MGTY	1975	100.0	380	440	04-17-1997	42.59
405111073065801	S47675.1	405111	0730658	112GLCLU	1974	119.5	78	88	03-10-1997	56.50
405004072515400	S47750.1	405004	0725154	112GLCLU	1974	95.0	83	93	03-17-1997	30.23
									08-25-1997	29.84
404607072594701	S47752.1	404607	0725947	112GLCLU	1974	24.0	88	98	03-18-1997	8.04
405412072441401	S47753.1	405405	0724427	112GLCLU	1974	45.0	90	100	03-17-1997	26.02
405412072441402	S47754.1	405405	0724427	112GLCLU	1995	45.0	29	39	03-17-1997	26.02
405844072191601	S48438.1	405844	0721916	112GLCLU	1995	113.6	69	79	03-17-1997	67.00
404941072414801	S48442.1	404941	0724148	112GLCLU	1974	44.0	42	52	03-12-1997	14.41
405120073085101	S50500.1	405120	0730851	112GLCLU	1974	118.0	81	85	03-10-1997	71.20
405059073085601	S50501.1	405059	0730757	112GLCLU	1974	73.6	60	64	03-10-1997	71.71
405010073103101	S50505.1	405010	0731031	112GLCLU	1973	50.0	6	10	03-10-1997	46.73
405146073141001	S50512.1	405146	0731410	112GLCLU	1973	84.5	--	--	03-18-1997	39.72
405100073152601	S50513.1	405100	0731526	112GLCLU	1974	93.0	57	61	03-18-1997	48.00
404432073151303	S50546.1	404432	0731513	211MGTY	1976	39.0	604	665	04-17-1997	27.71
410430072202301	S51176.1	410430	0722023	112GLCLU	1974	39.6	47	57	03-13-1997	5.24
410147072184101	S51184.1	410147	0721841	112GLCLU	1974	11.8	20	30	03-13-1997	1.00
410047072184701	S51186.1	410047	0721847	112GLCLU	1974	24.1	30	40	03-13-1997	2.18
405808072385401	S51568.1	405808	0723854	112GLCLU	1974	56.0	58	68	03-14-1997	10.98
405805072403701	S51571.1	405805	0724037	112GLCLU	1974	88.0	95	105	03-13-1997	9.57
405512072395201	S51573.1	405512	0723952	112GLCLU	1974	25.0	78	88	03-12-1997	7.80
405544072411802	S51575.2	405544	0724118	112GLCLU	1994	33.0	--	--	03-13-1997	18.36
405630072442001	S51577.1	405630	0724420	112GLCLU	1974	80.0	83	93	03-13-1997	20.52
405542072463001	S51579.1	405542	0724630	112GLCLU	1974	78.0	75	85	03-17-1997	30.47
405722072342001	S51581.1	405722	0723420	112GLCLU	1974	32.0	32	42	03-13-1997	9.31

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405853072353901	S51582.1	405853	0723539	112GLCLU	1974	62.0	72	82	03-13-1997	8.64
405634072380501	S51588.1	405634	0723805	112GLCLU	1974	38.0	47	57	03-13-1997	10.41
404225073193001	S51673.1	404225	0731930	211MGTY	1976	22.0	669	760	04-24-1997	12.50
410516072200901	S52084.1	410516	0722009	112GLCLU	1974	28.4	62	72	03-13-1997	3.80
404357072515701	S52162.1	404357	0725157	211LLYD	1976	18.0	1670	1690	09-03-1997	22.49
									09-17-1997	22.66
									09-18-1997	22.66
404357072515702	S52163.1	404357	0725157	211MGTY	1974	17.0	1279	1300	01-31-1997	16.74
									03-03-1997	16.32
									03-09-1997	16.85
									05-30-1997	16.39
									06-20-1997	16.12
									07-21-1997	15.46
									09-03-1997	15.55
									09-18-1997	15.84
404357072515703	S52164.1	404357	0725157	211MGTY	1974	17.0	709	730	01-31-1997	15.58
									03-03-1997	15.12
									03-09-1997	15.72
									05-30-1997	15.26
									06-20-1997	15.00
									07-21-1997	14.25
									09-03-1997	14.35
									09-18-1997	14.64
405512072395202	S52449.1	405512	0723952	112GLCLU	1974	23.0	28	38	03-12-1997	7.58
405354073021202	S52490.1	405355	0730212	211MGTY	1978	137.0	480	554	04-22-1997	50.80
404944072380901	S52551.1	404944	0723809	112GLCLU	1974	27.8	20	25	03-12-1997	10.35
404948072372601	S52554.1	404948	0723726	112GLCLU	1974	18.4	--	--	03-12-1997	6.90
410753072205501	S53331.1	410747	0722053	112GLCLU	1975	47.0	58	68	03-14-1997	3.25
405924072342301	S53333.1	405924	0723423	112GLCLU	1975	51.0	62	72	03-14-1997	7.59
405032073162802	S53360.1	405034	0731618	211MGTY	1984	141.0	551	667	04-17-1997	50.50
404759073122501	S54308.1	404759	0731225	211MGTY	1984	109.0	722	792	04-15-1997	40.30
									04-28-1997	37.00
405123072533701	S54883.1	405049	0725310	112GLCLU	1975	79.9	--	--	03-17-1997	35.29
									08-25-1997	35.48
405706072345601	S54885.1	405706	0723456	112GLCLU	1975	11.1	16	20	03-13-1997	10.31
405120073231801	S55049.1	405120	0732318	112GLCLU	1975	207.0	175	179	03-17-1997	55.90
405502072254701	S57367.1	405502	0722616	112GLCLU	1975	32.5	75	79	03-18-1997	5.30
405900072192901	S57369.1	405855	0721926	112GLCLU	1975	76.0	93	97	03-17-1997	15.09
405852072192401	S57370.1	405854	0721927	112GLCLU	1976	88.0	96	100	03-17-1997	20.01
405123073125101	S57484.1	405123	0731251	112GLCLU	1975	15.5	15	19	03-19-1997	11.33
405458073005301	S57486.1	405458	0730053	112GLCLU	1975	130.5	--	--	03-17-1997	52.30
405246072573601	S57487.1	405246	0725736	112GLCLU	1975	83.5	--	--	03-17-1997	68.48
405048073122801	S57488.1	405048	0731228	112GLCLU	1975	30.0	--	--	03-17-1997	28.49
405514073050103	S57980.1	405514	0730501	211MGTY	1977	187.0	630	700	04-17-1997	38.60
410356071544201	S58922.1	410355	0715444	112GLCLU	1976	47.8	51	56	03-12-1997	2.63
410404071565901	S58923.1	410401	0715701	112GLCLU	1976	57.3	65	70	03-12-1997	7.81
410401071570202	S58923.2	410401	0715701	112GLCLU	1976	57.6	87	92	03-12-1997	3.01
405933072093401	S58924.1	405934	0720932	112GLCLU	1976	110.3	132	137	03-13-1997	10.40
405950072124501	S58925.1	405952	0721245	112GLCLU	1976	72.0	85	90	03-13-1997	10.65
405607072225801	S58957.1	405606	0722308	112GLCLU	1976	188.8	196	201	03-18-1997	14.20
405737072215801	S58958.1	405738	0722159	112GLCLU	1976	190.0	203	208	03-18-1997	27.80
405816072162801	S58959.1	405808	0722035	112GLCLU	1976	187.5	195	200	03-18-1997	17.90
405827072190501	S58960.1	405827	0721905	112GLCLU	1976	134.2	150	155	03-17-1997	24.30
405842072164901	S58961.1	405831	0721639	112GLCLU	1976	126.5	125	133	03-17-1997	10.80
405615072182301	S59793.1	405616	0721823	211MGTY	1984	34.0	512	522	03-17-1997	12.59
404524073044801	S60812.1	404524	0730448	211MGTY	1984	38.0	404	484	04-17-1997	26.15
405616072182301	S62393.1	405616	0721823	112GLCLU	1984	34.0	30	34	03-17-1997	16.56
410111072010101	S62397.1	410111	0720101	112GLCLU	1980	57.2	61	65	03-13-1997	4.71
405700073080301	S62406.1	405700	0730803	112GLCLU	1977	42.0	41	45	03-17-1997	4.13
405604073080001	S62407.1	405604	0730800	112GLCLU	1977	40.0	41	45	03-17-1997	15.32

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Station number	Local number	Latitude	Longitude	Aquifer unit code	Start of record	Altitude of land surface (ft, msi)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405144073081001	S63606.1	405144	0730810	112GLCLU	1978	97.7	--	--	03-10-1997	70.16
404415073114001	S63618.1	404416	0731137	211MGTY	1984	20.0	490	550	04-17-1997	20.03
404426073181201	S63747.1	404426	0731812		1990	50.0	--	--	03-11-1997	36.68
404303073112801*	S63832.1	404303	0731128		1978	7.3	--	--	03-17-1997	5.39
404345073124001	S63835.1	404345	0731240		1978	13.5	--	--	03-17-1997	8.33
404331073141701	S63841.1	404331	0731417		1978	12.1	--	--	03-17-1997	5.94
404420073151401	S63851.1	404420	0731514		1978	35.0	--	--	03-17-1997	26.39
404210073182501	S64192.1	404210	0731825		1978	17.6	--	--	03-11-1997	9.54
404116073204201	S64209.1	404116	0732042		1978	10.0	--	--	03-11-1997	5.67
404116073204301	S64210.1	404116	0732043		1978	10.0	--	--	03-11-1997	5.69
404659073202001	S64313.1	404659	0732020	112GLCLU	1979	89.4	25	30	03-10-1997	72.05
404746073221901	S64316.1	404746	0732219	112GLCLU	1979	160.1	58	63	03-17-1997	110.10
404900073242801	S64317.1	404900	0732428	112GLCLU	1978	149.6	78	83	03-19-1997	73.50
404436073135601	S64525.1	404436	0731356		1978	26.0	--	--	03-12-1997	21.80
404713072575701	S65603.1	404718	0725749	112GLCLU	1978	54.0	65	70	03-18-1997	26.97
410104072303001	S65605.1	410104	0723030		1978	41.0	41	44	03-14-1997	8.41
405200073082101	S65608.1	405200	0730821		1978	105.0	67	72	03-10-1997	66.30
404944073104001	S65609.1	404944	0731040		1978	52.7	10	15	03-10-1997	47.84
405351072535101	S65855.1	405351	0725351	112GLCLU	1978	77.6	28	32	03-17-1997	49.76
									08-25-1997	49.49
405548072593501	S65861.1	405549	0725936	112GLCLU	1978	143.9	106	110	03-18-1997	44.40
405058073050901	S66496.1	405058	0730509	211MGTY	1984	127.0	--	--	04-15-1997	53.50
405245072573702	S66506.1	405245	0725737	112GLCLU	1979	83.0	55	60	03-17-1997	52.48
405345072591101	S66507.1	405345	0725911	112GLCLU	1979	100.0	68	72	03-17-1997	53.80
405014072564001	S66508.1	405013	0725640	112GLCLU	1979	66.0	55	60	03-17-1997	39.04
									08-25-1997	38.68
405002073043501	S66509.1	405002	0730435	112GLCLU	1979	139.7	109	114	03-10-1997	53.00
405441073043501	S66510.1	405350	0730316	112GLCLU	1979	137.8	--	--	03-17-1997	52.00
405644073051201	S66511.1	405644	0730512	112GLCLU	1979	105.0	--	--	03-17-1997	13.20
405504073011201	S66512.1	405504	0730112	112GLCLU	1979	120.6	99	104	03-17-1997	50.60
404949073215101	S66847.1	404949	0732151	112GLCLU	1978	170.8	97	102	03-17-1997	75.80
404922073071201	S66848.1	404922	0730744	112GLCLU	1979	98.0	67	72	03-10-1997	47.62
404652073120301	S67197.1	404652	0731203	211MGTY	1984	65.0	--	--	04-10-1997	34.37
404612073055003	S68552.1	404612	0730550	211MGTY	1984	57.0	--	--	04-17-1997	30.82
405551072561601	S69364.1	404551	0725616	211MGTY	1983	32.8	--	--	04-22-1997	19.89
405504073282501	S69780.1	405504	0732825	112GLCLU	1981	110.9	139	150	03-19-1997	6.40
405556073274201	S69934.1	405556	0732742		1981	18.1	44	46	03-19-1997	7.52
410137071590201	S70255.1	410137	0715902	112GLCLU	1980	169.6	315	320	03-12-1997	4.90
410233071553801	S70259.1	410233	0715538	112GLCLU	1981	38.7	92	97	03-12-1997	3.10
410213071572201	S70260.1	410213	0715722	112GLCLU	1981	27.8	94	99	03-12-1997	4.12
410213071572202	S70263.1	410213	0715722	112GLCLU	1981	27.8	40	45	03-12-1997	4.16
405155073045203	S70488.1	405158	0730448	211MGTY	1984	95.6	344	437	04-17-1997	56.87
410159072001601	S70613.1	410159	0720016	112GLCLU	1981	65.8	70	75	03-13-1997	2.78
410219071591101	S70614.1	410219	0715911	112GLCLU	1981	86.0	90	95	03-13-1997	5.04
410320071570601	S70617.1	410320	0715706	112GLCLU	1982	72.7	93	97	03-12-1997	10.22
410330071563901	S70618.1	410330	0715639	112GLCLU	1981	85.6	100	105	03-12-1997	3.89
410414071515901	S70627.1	410414	0715159	112GLCLU	1981	90.1	90	95	03-12-1997	18.95
405728072342402	S71570.1	405728	0723424	112GLCLU	1988	29.3	50	52	03-13-1997	9.29
405811072350402	S71572.1	405811	0723504	112GLCLU	1982	46.8	52	56	03-13-1997	10.20
405811072350401	S71573.1	405811	0723504	112GLCLU	1982	46.8	70	75	03-14-1997	10.33
404807072590801	S71785.1	404807	0725908	211MGTY	1984	71.9	--	--	04-22-1997	35.52
410322071523901	S72283.1	410322	0715239	112GLCLU	1982	58.6	84	89	03-12-1997	4.72
410211071560001	S72416.1	410211	0715600	112GLCLU	1982	44.2	93	97	03-12-1997	2.32
410235071564301	S72417.1	410235	0715643	112GLCLU	1982	59.6	71	75	03-12-1997	4.05
410319071555901	S72418.1	410319	0715559	112GLCLU	1982	11.6	51	55	03-12-1997	3.32
404801072553801	S72812.1	404802	0725538	211MGTY	1982	36.0	189	194	03-18-1997	26.78
410420071551901	S72871.1	410420	0715519	112GLCLU	1982	5.4	33	38	03-12-1997	1.69
405616072182302	S73990.1	405616	0721823	211MGTY	1984	34.0	540	545	03-17-1997	10.64
404750073225302	S74284.2	404750	0732253	211MGTY	1984	154.0	699	704	03-17-1997	65.40

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)
405201072544301	S74287.1	405200	0725434	112GLCLU	1983	58.7	31	35	03-17-1997	45.72
									08-25-1997	45.65
405418072511201	S74289.1	405417	0725116	112GLCLU	1983	76.8	40	44	03-17-1997	46.50
									08-25-1997	45.25
405421072474501	S74291.1	405421	0724745	112GLCLU	1983	44.4	15	19	03-17-1997	39.56
									08-25-1997	38.83
405017072495001	S74293.1	405017	0724950	112GLCLU	1983	83.6	67	71	03-17-1997	31.51
									08-25-1997	29.74
405213072481101	S74294.1	405213	0724808	112GLCLU	1983	56.5	32	36	03-18-1997	37.86
									08-26-1997	35.85
405347072385501	S74296.1	405347	0723855	112GLCLU	1983	23.5	20	24	03-13-1997	17.07
405348072370501	S74298.1	405340	0723709	112GLCLU	1983	61.3	74	78	03-12-1997	16.20
405340072340601	S74299.1	405334	0723408	112GLCLU	1983	22.6	20	24	03-12-1997	10.71
405115072370501	S74300.1	405127	0723643	112GLCLU	1983	75.0	68	72	03-12-1997	17.23
405434072421401	S74302.1	405422	0724233	112GLCLU	1983	36.5	40	44	03-12-1997	20.43
405435072421401	S74303.1	405431	0724110	112GLCLU	1983	19.2	20	24	03-12-1997	15.86
405419072381201	S74304.1	405417	0723810	112GLCLU	1983	25.3	25	29	03-12-1997	9.63
404849073261201	S74585.1	404849	0732612	211MGTY	1984	365.0	452	455	03-19-1997	66.70
410309072205601	S75438.1	410319	0722055	112GLCLU	1983	11.0	18	23	03-13-1997	1.91
404852073024202	S76478.1	404852	0730242	112GLCLU	1984	104.8	70	75	03-18-1997	47.00
404942073175502	S76673.2	404942	0731755	211MGTY	1984	130.0	625	630	03-17-1997	61.50
404942073175503	S76674.1	404942	0731755	211MGTY	1984	130.0	455	460	03-17-1997	61.80
404942073175504	S76675.1	404942	0731755	211MGTY	1984	130.0	245	250	03-17-1997	62.70
405446072524801	S76834.1	405446	0725248	112GLCLU	1984	87.9	44	48	03-17-1997	49.91
									08-25-1997	49.76
405004072515402	S78323.1	405004	0725154	211MGTY	1985	95.0	331	336	03-17-1997	29.51
									08-25-1997	29.02
405405072442701	S89534.1	405405	0724427	211MGTY	1994	44.0	782	792	03-17-1997	25.77
405405072442702	S89535.1	405405	0724427	211MGTY	1990	44.0	510	520	03-17-1997	26.76
405405072442703	S89536.1	405405	0724427	211MGTY	1990	44.0	260	270	03-17-1997	26.91
403741073215202	S90161.1	403741	0732152	112GLCLU	1992	12.3	40	46	03-11-1997	2.39
									03-12-1997	1.93
403741073215203	S90162.1	403741	0732152	112GLCLU	1992	12.3	65	70	03-11-1997	2.29
									03-12-1997	1.84
403741073215204	S90163.1	403741	0732152	112GLCLU	1992	12.3	80	85	03-11-1997	2.25
									03-12-1997	1.80
405038072431104	S94489.1	405038	0724311	211MGTY	1990	46.0	824	834	03-13-1997	16.64
410801072205701	S95423.1	410748	0722054	112GLCLU	1989	47.9	103	108	03-14-1997	3.41
410753072205301	S95424.1	410800	0722059	112GLCLU	1990	47.9	68	70	03-14-1997	3.09
410759072205601	S95727.1	410757	0722057	112GLCLU	1990	50.0	136	138	03-14-1997	1.88
405914072190803	S105710.1	405914	0721908	211MGTY	1995	44.1	437	447	03-17-1997	10.76
405844072191702	S105711.1	405844	0721917	211MGTY	1995	114.5	372	382	03-17-1997	12.70
405914072190801	S106181.1	405914	0721908		1994	43.9	145	155	03-17-1997	10.55
405914072190802	S106182.1	405914	0721908	112GLCLU	1994	43.8	45	55	03-17-1997	19.93
405844072191701	S106185.1	405844	0721917	112GLCLU	1994	114.2	115	125	03-17-1997	67.00
405741072161801	S106189.1	405741	0721618	112GLCLU	1994	70.3	77	87	03-17-1997	17.11

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 1996 TO SEPTEMBER 1997

NASSAU COUNTY

The following wells were sampled for water quality during the 1997 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	Local identifier
N17	N2414	N4389	N5596	N6915	N7772	N8480	N9521
N22	N2597	N4393	N5603	N6916	N7773	N8497	N9591
N36	N2602	N4400	N5653	N6945	N7781	N8526	N9613
N37	N2613	N4405	N5654	N6953	N7785	N8558	N9768
N68	N2748	N4411	N5656	N6956	N7796	N8576	N9792
N69	N2920	N4425	N5672	N7058	N7797	N8595	N9809
N72	N3185	N4448	N5695	N7076	N7831	N8603	N9846
N79	N3443	N4450	N5696	N7104	N7852	N8657	N9878
N80	N3456	N4602	N5703	N7117	N7873	N8658	N9910
N81	N3465	N4623	N5710	N7157	N7892	N8664	N9976
N82	N3474	N4756	N5762	N7298	N7957	N8665	N10033
N83	N3475	N4757	N5767	N7353	N8007	N8713	N10103
N95	N3498	N4758	N5852	N7377	N8031	N8767	N10144
N97	N3523	N4759	N5876	N7407	N8043	N8768	N10149
N101	N3603	N4860	N5884	N7414	N8054	N8776	N10195
N104	N3604	N5007	N5947	N7421	N8183	N8778	N10206
N133	N3605	N5099	N6042	N7445	N8195	N8779	N10207
N134	N3668	N5121	N6077	N7446	N8196	N8818	N10208
N152	N3720	N5129	N6087	N7482	N8214	N8837	N10286
N198	N3732	N5145	N6092	N7512	N8216	N8941	N10401
N199	N3733	N5147	N6093	N7513	N8217	N8956	N10408
N570	N3745	N5148	N6146	N7515	N8218	N8957	N10451
N585	N3876	N5152	N6148	N7516	N8248	N8976	N10555
N687	N3878	N5155	N6149	N7521	N8250	N8979	N10557
N1298	N3905	N5156	N6150	N7522	N8251	N9068	N10612
N1328	N3935	N5163	N6190	N7523	N8253	N9076	N10889
N1346	N3953	N5187	N6192	N7526	N8264	N9151	N11004
N1601	N4043	N5193	N6315	N7548	N8279	N9173	N11037
N1602	N4077	N5194	N6442	N7549	N8313	N9180	N11107
N1603	N4082	N5195	N6443	N7551	N8321	N9210	N11295
N1651	N4095	N5201	N6580	N7552	N8339	N9211	N11509
N1697	N4096	N5209	N6644	N7561	N8342	N9212	N11647
N1715	N4097	N5227	N6651	N7562	N8354	N9308	N11909
N1716	N4132	N5260	N6657	N7593	N8355	N9334	N11969
N1870	N4206	N5302	N6744	N7620	N8414	N9338	N12217
N1958	N4243	N5303	N6745	N7649	N8420	N9452	N12218
N2028	N4245	N5304	N6817	N7650	N8426	N9463	N12525
N2030	N4265	N5318	N6866	N7665	N8457	N9488	N12535
N2052	N4298	N5320	N6867	N7720	N8474	N9514	N12560
N2214	N4327	N5322	N6893	N7747	N8475	N9520	N12734
N2400	N4388	N5528					

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1997 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	Local identifier
N129	N6851	N9309	N9804	N10004	N11172	N12004	N12319
N1102	N6853	N9313	N9805	N10006	N11280	N12005	N12321
N1114	N6928	N9317	N9894	N10007	N11573	N12039	N12338
N1120	N7161	N9357	N9897	N10008	N11577	N12079	N12361
N1129	N7207	N9358	N9899	N10010	N11580	N12113	N12430
N1132	N7235	N9359	N9903	N10011	N11634	N12134	N12451
N1189	N8203	N9373	N9905	N10019	N11659	N12151	N12506
N1204	N8204	N9468	N9907	N10020	N11671	N12153	N12507
N1225	N8414	N9470	N9914	N10035	N11672	N12156	N12508
N1422	N8550	N9472	N9921	N10085	N11673	N12163	N12511
N1429	N8636	N9474	N9922	N10094	N11675	N12164	N12570
N1685	N8646	N9475	N9923	N10101	N11676	N12190	N12571
N2269	N8647	N9476	N9924	N10200	N11720	N12209	N12572
N2528	N8653	N9477	N9926	N10245	N11721	N12218	N12573
N2790	N8654	N9608	N9943	N10246	N11725	N12232	N12579
N3498	N8655	N9646	N9944	N10290	N11726	N12240	N12609
N3707	N8749	N9647	N9945	N10390	N11732	N12241	N12610
N3710	N8788	N9648	N9949	N10425	N11777	N12249	N12611
N3861	N8806	N9649	N9952	N10430	N11778	N12251	N12612
N3862	N8832	N9651	N9953	N10605	N11779	N12252	N12613
N3864	N8849	N9652	N9959	N10620	N11781	N12253	N12614
N3865	N8857	N9653	N9960	N10667	N11783	N12254	N12636
N3867	N8863	N9654	N9961	N10730	N11784	N12255	N12733
N3932	N8873	N9658	N9962	N10731	N11785	N12257	N12747
N4026	N8876	N9659	N9963	N10978	N11795	N12258	N12754
N4062	N8943	N9660	N9964	N10979	N11822	N12259	N12755
N4213	N8944	N9661	N9966	N10980	N11823	N12260	N12774
N4547	N9087	N9662	N9967	N10981	N11830	N12262	N12775
N5129	N9088	N9664	N9968	N10982	N11837	N12263	N12790
N6367	N9089	N9666	N9979	N11002	N11865	N12264	N12791
N6581	N9098	N9667	N9982	N11067	N11866	N12274	N12853
N6701	N9099	N9668	N9983	N11165	N11956	N12275	N12856
N6702	N9100	N9669	N9984	N11166	N11961	N12276	Q 287
N6703	N9115	N9670	N9999	N11169	N11962	N12277	Q 1187
N6704	N9118	N9712	N10000	N11170	N11964	N12278	Q 1237
N6849	N9127	N9802	N10001	N11171	N11987	N12318	Q 3109
N6850	N9189	N9803	N10002				

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

SUFFOLK COUNTY

The following wells were sampled for water quality during the 1997 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
S75	S20300	S25617	S33006	S38916	S47219	S54473	S66429	S76672
S1340	S20369	S25674	S33308	S38917	S47310	S54568	S66496	S77010
S1341	S20460	S25776	S33500	S39024	S47435	S54730	S66657	S78310
S2415	S20479	S26535	S33775	S39347	S47436	S54957	S66733	S78612
S2450	S20530	S26681	S33820	S39536	S47437	S55028	S66758	S79293
S4372	S20566	S27070	S33922	S40330	S47453	S55463	S66881	S81473
S5565	S20635	S27192	S33970	S40331	S47673	S55502	S67074	S82174
S8439	S20689	S27259	S34007	S40497	S47886	S55733	S67197	S83096
S11105	S20705	S27440	S34030	S40498	S47887	S55734	S67656	S83475
S11810	S20839	S27533	S34031	S40630	S48193	S56038	S67819	S83707
S12130	S21121	S27784	S34300	S40709	S48719	S56039	S67925	S84848
S14326	S21244	S28408	S34301	S40710	S49422	S56133	S68161	S85660
S14710	S21375	S28503	S34460	S40711	S49606	S56674	S68230	S88463
S14792	S21487	S28819	S34595	S40837	S50546	S57008	S68552	S89754
S14828	S21632	S28928	S34894	S40838	S51214	S57354	S68666	S89756
S14921	S22048	S29411	S35033	S40980	S51266	S57357	S68690	S90674
S15501	S22351	S29491	S35446	S42226	S51274	S57871	S68880	S93519
S15514	S22362	S29492	S35494	S42227	S51275	S57979	S69024	S93701
S15746	S22389	S29732	S36166	S42270	S51298	S57980	S69364	S93702
S15776	S22471	S30088	S36459	S42473	S51457	S58708	S69511	S93794
S15898	S22547	S30117	S36460	S42499	S51519	S58761	S70008	S94138
S15901	S22548	S30118	S36714	S42504	S51609	S59347	S70155	S94274
S15923	S22640	S30207	S36748	S42505	S51673	S59744	S70459	S94286
S16129	S22711	S30208	S36791	S42760	S51953	S60127	S70488	S96232
S16175	S22880	S30227	S36791B	S42761	S52126	S60486	S70767	S96352
S16309	S23183	S30228	S36869	S42762	S52451	S60812	S71038	S96673
S16395	S23184	S30234	S36965	S42827	S52490	S61910	S71083	S97501
S16497	S23185	S30506	S36976	S43001	S52943	S62022	S71533	S97502
S16892	S23186	S30762	S37140	S43117	S52944	S62855	S71715	S98322
S16893	S23255	S31037	S37141	S43641	S52945	S63205	S71785	S98350
S17241	S23371	S31038	S37301	S44640	S53074	S63256	S71881	S98523
S17474	S23440	S31039	S37351	S44774	S53291	S63618	S71882	S98721
S17689	S23445	S31104	S37494	S44774B	S53360	S63966	S71892	S99014
S18261	S23524	S31624	S37681	S45610	S53361	S64023	S72245	S99130
S18729	S23631	S31913	S37847	S45839	S53497	S64062	S72271	S99275
S18846	S23699	S32180	S37861	S45840	S53498	S64609	S72300	S99960
S19048	S23715	S32287	S38192	S46235	S53522	S64716	S72326	S100204
S19198	S23827	S32325	S38194	S46400	S53593	S64847	S72917	S100453
S19317	S23832	S32326	S38320	S46712	S53747	S65505	S73144	S100608
S19399	S24047	S32359	S38321	S46713	S53850	S65766	S73332	S100691
S19465	S24484	S32501	S38491	S46830	S53851	S65905	S73492	S101321
S19584	S24545	S32551	S38701	S46928	S54305	S66183	S74505	S101364
S20057	S24552	S32552	S38784	S47024	S54308	S66184	S74573	S101579
S20247	S24663	S33005	S38785	S47035	S54377	S66366	S74865	S101655

B Borehole

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1997 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	S44914	S47718	S48428	S48651	S51179	S58924
S43809	S45053	S47746	S48430	S48850	S51180	S58960
S43811	S45207	S47747	S48432	S49898	S51184	S59992
S43812	S45208	S47750	S48433	S51169	S51186	S66508
S43813	S45210	S47751	S48435	S51170	S52050	S66509
S43815	S45212	S47752	S48437	S51171	S52162	S76673
S43816	S46281	S47756	S48438	S51172	S52163	S76674
S43817	S46963	S47757	S48519	S51173	S52164	S76675
S43818	S46964	S47974	S48522	S51174	S55049	S90281
S43819	S46965	S47975	S48577	S51175	S57371	S95963
S43820	S46966	S47977	S48578	S51176	S58921	S95964
S43821	S47220	S48426	S48579	S51178	S58922	S95965
S43822	S47224	S48427				

Laboratory Measurements

All samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used are consistent with ASTM standards and generally follow ISO standards.

Analyses of pesticides in surface-water samples (schedule 2001)

REMARKS.--Selected surface water samples from Long Island-New Jersey National Water-Quality Assessment Program (LINJ NAWQA) study sites were analyzed for pesticides on schedule 2001 during the 1997 water year. This table lists the pesticides on the schedule, the unit of measure (micrograms per liter, µg/L), the U.S. Geological Survey National Water Information System parameter code, and the reporting level. **Only pesticides measured at or above the reporting level for one or more samples are listed in the water-quality tables.**

SCHEDULE DESCRIPTION.--Pesticides in filtered water extracted on C-18 Solid Phase Extraction (SPE) cartridge and analyzed by Gas Chromotography/ Mass Spectrometry (GC/MS).

SAMPLE REQUIREMENTS.--1 liter of water filtered through 0.7-micron glass-fiber depth filter, Chilled at 4° C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from NWQL.

PCODE.--The EPA/USGS parameter code
COMPOUND NAME.--IUPAC nomenclature
COMMON NAME.--NWQL nomenclature

PCode	Compound Name/(Common Name)	MRL* (µg/L)
49260	Acetochlor	0.002
46342	Alachlor (Lasso)	0.002
39632	Atrazine	0.001
04040	Atrazine, Desethyl-	0.002
82686	Azinphos, Methyl- (guthion)	0.001
82673	Benfluralin (Benefin) (Balan, Bonalan)	0.002
04028	Butylate (Genate Plus, Suntan+)	0.002
82680	Carbaryl (Sevin)	0.003
82674	Carbofuran (Furandan)	0.003
38933	Chlorpyrifos	0.004
04041	Cyanazine	0.004
82682	DCPA (Dacthal)	0.002
34653	*p,p'*-DDE	0.006
39572	Diazinon	0.002
39381	Dieldrin	0.001
82660	Diethylanaline	0.003
82677	Disulfoton	0.017
82668	EPTC (Eptam)	0.002
82663	Ethalfluralin (Sonalan)	0.004
82672	Ethoprop (Mocap, ethoprophos)	0.003
04095	Fonofos	0.008
34253	α-HCH	0.002
39341	γ-HCH (Lindane)	0.004
82666	Linuron (Lorex, Linex)	0.002
39532	Malathion	0.005
39415	Metolachlor (Dual)	0.002
82630	Metribuzin (Lexon, Sencor)	0.004
82671	Molinate (Ordram)	0.004
82684	Napropamide (Devrinol)	0.003
39542	Parathion, Ethyl-	0.004
82667	Parathion, Methyl- (Penncap-M)	0.006
82669	Pebulate (Tillam)	0.004
82683	Pendimethalin (Prowl)	0.004
82687	*cis*-Permethrin	0.005
82664	Phorate (Thimet)	0.002
04037	Prometon	0.018
82676	Pronamide (Kerb) (Propyzamid)	0.003
04024	Propachlor (Ramrod)	0.007
82679	Propanil (Stampede)	0.004
82685	Propargite (Omite) (alkyl sulfite)	0.013
04035	Simazine (Aquazine,Princep)	0.005
82670	Tebuthiuron (Spike)	0.010
82665	Terbacil (Sinbar)	0.007
82675	Terbufos (Counter)	0.013
82681	Thiobencarb (Bolero)	0.002
82678	Triallate (Avadex BW, Far-Go)	0.001
82661	Trifluralin (Treflin)	0.002

Analyses of pesticides in surface-water samples (schedule 2050)

REMARKS.--Selected surface water samples from LINJ NAWQA study sites were analyzed for pesticides on schedule 2050 during the 1997 water year. This table lists the pesticides on the schedule, the unit of measure (micrograms per liter, µg/L), the U.S. Geological Survey National Water Information System parameter code, and the reporting level. **Only pesticides measured at or above the reporting level for one or more samples are listed in the water-quality tables.**

SCHEDULE DESCRIPTION.--Pesticides in filtered water extracted using a 0.5-gram graphitized carbon-based solid phase cartridge, eluted from the cartridge into two analytical fractions, and analyzed using high-performance liquid chromatography with photo-array detection.

SAMPLE REQUIREMENTS.--1 liter of water filtered through a 0.7 micron glass-fiber depth filter, and chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from NWQL.

PCODE.--The EPA/USGS parameter code
COMPOUND NAME.--IUPAC nomenclature
COMMON NAME.--NWQL nomenclature

PCode	Compound Name/(Common Name)	MRL* (µg/L)
49315	Acifluorfen (Blazer)	0.035
49312	Aldicarb (Temik)	0.016
49313	Aldicarb Sulfone	0.016
49314	Aldicarb Sulfoxide	0.021
38711	Bentazo (Basagran)	0.014
04029	Bromacil (Bromax)	0.035
49311	Bromoxynil (Torch)	0.035
49310	Carbaryl (Sevin)	0.008
49309	Carbofuran	0.028
49308	3-Hydroxy-carbofuran	0.014
49307	Chloramben (Amiben,methyl)	0.011
38482	4-Chloro-2-methylphenoxy acetic acid (MCPA, Metaxon)	0.050

PCode	Compound Name/(Common Name)	MRL* (µg/L)
49306	Chlorothalonil (Bravo)	0.030
49305	Chlorpyralid (Stringer)	0.050
40304	Dacthal (DCPA, chlorthal-dimethyl)	0.017
38442	Dicamba (Banval)	0.035
49303	Dichlobenil	0.020
39732	2,4-Dichlorophenoxyacetic acid (2,4-D)	0.035
38746	4-(2,4-Dichlorophenoxy)butyric acid (2,4-DB)	0.035
49302	Dichlorprop (2,4-DP)	0.032
49299	Dinitrocresol (DNOC)	0.035
49301	Dinoseb (DNPB)	0.035
49300	Diuron (DCMU)	0.020
49298	Esfenvalerate (Asana)	0.019
49297	Fenuron (Beet-Klean)	0.013
38811	Fluometuron	0.035
38478	Linuron (Linurex)	0.018
38501	Methiocarb (Mesurol)	0.026
49296	Methomyl (Lannate)	0.017
38487	4-(4-Chloro-2-methylphenoxy)butyric acid (MCPB, Tropotox)	0.050
49295	1-Naphthol (Alpha Napthol)	0.007
49294	Neburon (Neberex)	0.015
49293	Norflurazon (Telok)	0.024
49292	Oryzalin (Surflan)	0.019
38866	Oxyamyl (Vydate)	0.018
49291	Picloram (Amdon)	0.035
49236	Propham (IPC)	0.035
38538	Propoxur (Baygon)	0.035
39762	Silvex (2,4,5-TP)	0.021
39742	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)	0.035
49235	Triclopyr (Crossbow)	0.050

Analyses of volatile organic compounds in surface-water samples (schedule 2020)

REMARKS.--Selected surface water samples from LINJ NAWQA study sites were analyzed for volatile organic compounds (VOCs) in 1997. The National Water Quality Laboratory (NWQL) created a provisional method for determination of low level VOCs in water, Custom Method Schedule 9090. This provisional method is based upon USEPA Method 524.2 Revision 4.0 (Eichelberger and Budde, 1989) and USGS Open File Report 97-829 (Conner and others, 1997), with minor improvements to instrumental operating conditions, increasing the compound list analyzed by the method, some modifications to quantitation ions, and inclusion of strategies for data reporting near the method reporting levels (MRL's).

This table lists the volatile organic compounds on the schedule, the unit of measure (micrograms per liter (µg/L), the U.S. Geological Survey National Water Information System parameter code, the Union of Pure and Applied Chemistry (IUPAC) compound name, and the National Water Quality Laboratory compound name. Values for analytes in the 2020 schedule are preceded by an "E" in the following situations:

When the calculated concentration is less than the lowest calibration standard. The analyte meets all identification criteria to be positively identified, but the amount detected is below where it can be reliably quantified.

If a sample is diluted for any reason. The method reporting level is multiplied by the dilution factor to obtain the adjusted method reporting level. Values below the lowest calibration standard, multiplied by the dilution factor are qualified with an "E". For example, a value of 0.19 in a 1:2 dilution is reported as E0.1.

If the set spike has recoveries out of the specified range (60-140%).

If the analyte is also detected in the set blank. If the value in the sample is less than five times the blank value and greater than the blank value plus the long term method detection limit, the value is preceded by an "E" to indicate that the analyte is positively identified but not positively quantified because the analyte was also detected in the blank.

Only VOCs measured at or above the reporting level for one or more samples are listed in the water-quality tables.

SCHEDULE DESCRIPTION.--The sample water is actively purged with helium to extract the volatile organic compounds. The volatile compounds are trapped onto a sorbent trap, thermally desorbed, separated by a megabore gas chromatographic capillary column, and determined by full scan quadropole mass spectrometry. Compound identification is confirmed by matching retention times and spectra identification by three unique ions matched from certified standards. Unknown compounds are tentatively identified by comparing the unknown's mass spectra with reference mass spectra library compiled by the National Institute of Standards and Technology.

SAMPLE REQUIREMENTS.--Water collected in vials placed in stainless steel VOC sampler. Hydrochloric acid is used for preservation. Chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--40 milliliter baked amber septum glass vial, from OCALA Quality Water Service Unit.

PCODE.--The EPA/USGS parameter code
COMPOUND NAME.--IUPAC nomenclature
COMMON NAME.--NWQL nomenclature

PCode	Compound Name/(Common Name)	MRL* (µg/L)
81552	Acetone	5
50005	*tert*-Amyl methyl ether (TAME)	0.1
34030	Benzene	0.05
81555	Bromobenzene	0.05
77297	Bromochloromethane	0.1
32101	Bromodichloromethane	0.10
50002	Bromoethene (vinyl bromide)	0.1
34413	Bromomethane (methyl bromide)	0.1
81595	2-Butanone (methyl ethyl ketone, MEK)	5
77342	*n*-Butylbenzene	0.05
77041	Carbon disulfide	0.05
34301	Chlorobenzene	0.05
34311	Chloroethane	0.1
39175	Chloroethene (vinyl chloride)	0.1
34418	Chloromethane (methyl chloride)	0.2

PCode	Compound Name/(Common Name)	MRL* (µg/L)
77275	1-Chloro-2-methylbenzene (2-chlorotoluene, *o*-chlorotoluene)	0.05
77277	1-Chloro-4-methylbenzene (4-chlorotoluene, *p*-chlorotoluene)	0.05
78109	3-Chloro-1-propene	0.1
32105	Dibromochloromethane	0.1
82625	1,2-Dibromo-3-chloropropane (1,2-dibromo-3-chloropropane, DBCP)	0.5
77651	1,2-Dibromoethane	0.1
30217	Dibromomethane	0.1
34536	1,2-Dichlorobenzene (*o*-dichlorobenzene)	0.05
34566	1,3-Dichlorobenzene (*m*-dichlorobenzene)	0.05
34571	1,4-Dichlorobenzene (*p*-dichlorobenzene)	0.05
73547	*trans*-1,4-Dichloro-2-butene	5
34668	Dichlorodifluoromethane (Freon-12)	0.2
34496	1,1-Dichloroethane	0.05
32103	1,2-Dichloroethane	0.05
34501	1,1-Dichloroethene (1,1-dichloroethylene)	0.1
77093	*cis*-1,2-Dichloroethene (*cis*-1,2-dichloroethylene)	0.05
34546	*trans*-1,2-Dichloroethene (*trans*-1,2-dichloro-ethylene)	0.05
34423	Dichloromethane (methylene chloride)	0.1
34541	1,2-Dichloropropane	0.05
77173	1,3-Dichloropropane	0.05
77170	2,2-Dichloropropane	0.05
77168	1,1-Dichloropropene	0.05
34704	*cis*-1,3-Dichloropropene	0.1
34699	*trans*-1,3-Dichloropropene	0.1
81576	Diethyl ether	0.1
77135	1,2-Dimethylbenzene (*o*-xylene)	0.05
85795	1,3- & 1,4-Dimethylbenzene (*m* & *p*-xylene)	0.05
77353	(1,1-Dimethylethyl)benzene (*tert*-butylbenzene)	0.05
77128	Ethenylbenzene (styrene)	0.05
34371	Ethylbenzene	0.05
50004	Ethyl *tert*-butyl ether (ethyl *t*-butyl ether, ETBE)	0.1
73570	Ethyl methacrylate	1
77220	2-Ethyltoluene	0.05
39702	Hexachlorobutadiene	0.2
34396	Hexachloroethane	0.05
77103	2-Hexanone	5
77424	Iodomethane (methyl iodide)	0.05
77356	1-Isopropyl-4-methylbenzene (*p*-isopropyltolu-ene)	0.05
49991	Methyl acrylate	2
81593	Methyl acrylonitrile	2
34010	Methylbenzene (toluene)	0.05
78032	Methyl *tert*-butyl ether (methyl *t*-butyl ether, MTBE)	0.1
77223	(1-Methylethyl)benzene (isopropylbenzene)	0.05
81597	Methyl methacrylate	1
78133	4-Methyl-2-pentanone (methyl isobutyl ketone)	5
77350	(1-Methylpropyl)benzene (*sec*-butylbenzene)	0.05
34696	Naphthalene	0.2
34210	2-Propenal (acrolein)	2
34215	2-Propenenitrile (acrylonitrile)	2
77224	*n*-Propylbenzene	0.05
77562	1,1,1,2-Tetrachloroethane	0.05
34516	1,1,2,2-Tetrachloroethane	0.1
34475	Tetrachloroethene (tetrachloroethylene, PCE)	0.05
32102	Tetrachloromethane (carbon tetrachloride)	0.05
81607	Tetrahydrofuran (THF)	5
49999	1,2,3,4-Tetramethylbenzene (prehnitene)	0.05
50000	1,2,3,5-Tetramethylbenzene (isodurence)	0.05
32104	Tribromomethane (bromoform)	0.2
77613	1,2,3-Trichlorobenzene	0.2
34551	1,2,4-Trichlorobenzene	0.2
34506	1,1,1-Trichloroethane (TCA)	0.05
34511	1,1,2-Trichloroethane	0.1
39180	Trichloroethene (trichloroethylene, TCE)	0.05
34488	Trichlorofluoromethane (Freon-11)	0.1
32106	Trichloromethane (chloroform)	0.05
77443	1,2,3-Trichloropropane	0.2
77652	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	0.05
77221	1,2,3-Trimethylbenzene	0.05
77222	1,2,4-Trimethylbenzene	0.05
77226	1,3,5-Trimethylbenzene	0.05
77057	Vinyl Acetate	5

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WATER COLUMN VOLATILE ORGANIC COMPOUND ANALYSES. The following analyses are samples collected as part of the Long Island-New Jersey Coastal drainages NAWQA Program. Selected samples were analyzed for volatile organic compounds (VOC's) on schedule 2020 (listed with minimum reporting levels on p. 214). Only constituents measured at or above the reporting levels in one or more samples are listed in the water- quality tables. Other samples (including quality assurance) collected as part of this program can be found in New Jersey annual report (WDR NJ-97-1).

STATION NUMBER	STATION NAME	DATE
01305400	SWAN RIVER NEAR EAST PATCHOGUE, NY	01-27-97
01305490	SWAN RIVER AT ROSE AVE AT EAST PATCHOGUE, NY	01-29-97
01305500	SWAN RIVER AT EAST PATCHOGUE, NY	01-27-97
01307920	SAMPAWAMS CREEK NEAR DEER PARK, NY	01-30-97
01307970	SAMPAWAMS CREEK AT NORTH BABYLON	01-30-97
01308000	SAMPAWAMS CREEK AT BABYLON, NY	01-29-97
01308200	SAMPAWAMS CREEK BELOW HAWLEY'S, LAKE AT BABYLON, NY	01-29-97
01308900	SANTAPOGUE CREEK (LIRR, CENTRAL BRANCH) AT LINDENHURST, NY	01-30-97
01309000	SANTAPOGUE CREEK AT LINDENHURST, NY	01-30-97
01309100	SANTAPOGUE CREEK AT ST HWY 27A, AT LINDENHURST, NY	01-30-97

STATION NUMBER	DATE	TIME	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER, *tert*-AMYL METHYL UNFLTRD RECOVER (UG/L) (50005)	BENZENE TOTAL (UG/L) (34030)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)
01305400	01-27-97	1350	E.9	<.1	<.05	E.008	<.05	<.1	<.1
01305490	01-29-97	1030	E.5	<.1	<.05	E.006	<.05	<.1	<.1
01305500	01-27-97	1250	E1.1	<.1	<.05	E.008	<.05	<.1	<.1
01307920	01-30-97	1050	E1.0	.1	E.02	<.05	<.05	<.1	1.6
01307970	01-30-97	0920	E1.4	E.04	<.05	<.05	E.007	<.1	<.1
01308000	01-29-97	1230	E1.2	E.02	<.05	E.01	E.01	<.1	.1
01308200	01-29-97	1330	E1.5	E.03	<.05	E.01	E.02	<.1	E.05
01308900	01-30-97	1140	E2.5	E.03	E.1	<.1	.43	<.2	<.2
01309000	01-30-97	1340	E1.8	E.04	<.1	<.1	E.04	<.2	<.2
01309100	01-30-97	1250	E1.3	E.08	E.04	E.01	E.06	E.03	<.1

DATE	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	*o*-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	BENZENE *o*-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	*cis*-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	*trans*-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)
01-27-97	<.2	<.05	<.05	<.05	E.005	<.2	.11	E.02	<.05	<.05
01-29-97	<.2	<.05	<.05	<.05	E.006	<.2	E.03	E.009	<.05	<.05
01-27-97	<.2	<.05	<.05	<.05	<.05	<.2	E.01	<.1	<.05	<.05
01-30-97	<.2	<.05	<.05	<.05	<.05	<.2	.61	E.09	2.8	E.02
01-30-97	<.2	<.05	E.04	E.006	E.03	<.2	.41	.2	.33	<.05
01-29-97	E.03	E.02	.13	E.02	E.08	E.41	1.1	.3	1.2	E.02
01-29-97	<.2	E.01	.18	E.02	E.08	E.24	.81	.2	.79	E.01
01-30-97	<.4	<.1	.36	E.009	E.07	<.4	E.07	E.02	1.2	E.02
01-30-97	<.4	E.02	E.06	E.01	E.08	<.4	1.2	1.0	.37	<.1
01-30-97	<.2	E.01	.16	E.03	E.09	<.2	.68	.3	.90	E.02

STATION NUMBER	DATE	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	ETHER, ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	*meta/ para-* XYLENE WATER UNFLTRD REC (UG/L) (85795)	ETHER, *tert-* BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	TOLUENE TOTAL (UG/L) (34010)	METHYL *tert-* BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)
01305400	01-27-97	<.1	<.1	<.05	<.1	<.05	.2	<5
01305490	01-29-97	<.1	<.1	<.05	<.1	E.01	.3	<5
01305500	01-27-97	<.1	<.1	E.005	<.1	<.05	.3	<5
01307920	01-30-97	<.1	<.1	<.05	<.1	E.03	3.2	<5
01307970	01-30-97	E.01	<.1	<.05	E.007	<.05	2.4	<5
01308000	01-29-97	<.1	<.1	<.05	<.1	E.02	1.6	E.05
01308200	01-29-97	<.1	<.1	<.05	<.1	E.02	4.8	E.06
01308900	01-30-97	E.05	<.2	<.1	<.2	<.1	2.8	<10
01309000	01-30-97	E.05	<.2	<.1	<.2	<.1	4.1	<10
01309100	01-30-97	E.009	E.01	<.05	<.1	<.05	8.7	<5

DATE	NAPHTH-ALENE TOTAL (UG/L) (34696)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	CHLORO-FORM TOTAL (UG/L) (32106)	123-TRI CHLORO-PROPANE WATER WHOLE TOTAL (UG/L) (77443)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)
01-27-97	<.2	E.03	<5	<.2	.22	.20	.14	<.2	<.05
01-29-97	<.2	E.03	<5	<.2	E.09	E.02	.24	<.2	<.05
01-27-97	E.01	E.02	<5	<.2	E.05	E.01	E.09	<.2	<.05
01-30-97	<.2	4.0	<5	<.2	.85	.46	E.06	.15	E.04
01-30-97	E.01	.19	<5	<.2	1.1	1.2	E.04	<.2	<.05
01-29-97	E.01	7.2	<5	E.008	.89	1.8	E.04	<.2	<.05
01-29-97	<.2	4.6	<5	E.008	.59	1.1	E.03	<.2	<.05
01-30-97	E.02	.32	<10	<.4	E.03	.62	<.1	<.4	<.1
01-30-97	<.4	6.0	<10	<.4	2.3	1.1	E.1	<.4	E.01
01-30-97	<.2	2.3	E.07	E.02	.92	1.2	E.05	.1	E.07

E Estimated

WET PRECIPITATION ANALYSES. The following analyses are samples collected as part of the Long Island-New Jersey Coastal drainages NAWQA Program. Selected wet precipitation samples were analyzed for major ions, nutrients, and volatile organic compounds (VOC's) at Sagamore Jr. High School in Holtsville, N.Y. VOC's were analyzed using schedule 2020 (listed with minimum reporting levels on p. 214). Only VOC's measured at or above the reporting levels in one or more samples are listed in the water-quality table.

STATION NUMBER	DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
404936073032602	04-24-97	0800	5.0	4.4	0.05	0.4	0.07
	06-02-97	1730	21.9	4.3	.05	.4	.08
	07-09-97	1725	63.0	--	.21	.8	.66
	07-24-97	0341	12	--	.03	.4	.13
	08-18-97	0240	21.5	--	.05	.4	.03
	09-11-97	0752	12.1	4.5	.05	.4	.04

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
04-24-97	1.7	0.7	<0.1	0.005	0.18	0.25	0.004	0.005
06-02-97	--	--	--	.002	.25	.062	.007	.008
07-09-97	5.5	.8	<.1	.005	1.2	1.1	.19	.18
07-24-97	1.0	.5	<.1	.002	.18	.143	.011	.009
08-18-97	4.3	.7	<.1	.004	.35	.164	.004	.004
09-11-97	1.3	.6	<.1	--	--	--	--	--

DATE	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BENZENE TOTAL (UG/L) (34030)	METHYL *tert*-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL-CHLORIDE TOTAL (UG/L) (34418)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	*meta*-/*para*-XYLENE WATER UNFLTRD REC (UG/L) (85795)
04-24-97	8.6	E0.01	E0.08	<0.2	1.2	<0.05
06-02-97	8.9	<.05	E.07	E.04	<5	<.05
07-09-97	39.4	<.064	E.09	E.06	4.15	E.03
07-24-97	E11	<.064	E.06	E.04	<3.3	<.128
08-18-97	6.4	<.032	<.112	<.254	<1.65	<.064
09-11-97	5.30	E.01	E.03	E.02	E.9	E.03

E Estimated
-- Not analyzed

WATER COLUMN PESTICIDE ANALYSES. The following analyses are of samples collected as part of the Long Island -New Jersey Coastal drainages NAWQA Program. Selected samples were analyzed for pesticides on schedule 2001 (listed with minimum reporting levels on p. 213). Selected samples were analyzed for additional pesticides on schedule 2050 (listed with minimum reporting levels on p. 213). Only constituents measured at or above the reporting levels in one or more samples are listed in the water-quality tables. Other samples collected (including quality assurance) as part of this program can be found in New Jersey annual report (WDR NJ-97-1).

STATION NUMBER	STATION NAME	DATE
01304000	NISSEQUOGUE RIVER NEAR SMITHTOWN, NY	06-16-97
01304500	PECONIC RIVER AT RIVERHEAD, NY	06-18-97
01305000	CARMANS RIVER AT YAPANK, NY	06-18-97
01305500	SWAN RIVER AT EAST PATCHOGUE, NY	06-18-97
01306495	CONNETQUOT RIVER DISTRIBUTARY NEAR OAKDALE, NY	06-17-97
01308000	SAMPAWAMS CREEK AT BABYLON, NY	06-17-97
01308500	CARLLS RIVER AT BABYLON, NY	06-17-97
01309100	SANTAPOGUE CREEK AT ST HWY 27A, AT LINDENHURST, NY	06-16-97
01309500	MASSAPEQUA CREEK AT MASSAPEQUA, NY	06-16-97

STATION NUMBER	DATE	TIME	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
01304000	06-16-97	0830	<0.001	<0.002	E0.101	<0.002	<0.002
01304500	06-18-97	1020	0.0046	E0.00070	<0.003	<0.002	<0.002
01305000	06-18-97	0910	E0.0029	E0.0011	<0.003	<0.002	<0.002
01305500	06-18-97	0740	<0.001	<0.002	<0.003	<0.002	<0.002
01306495	06-17-97	1210	E0.0022	<0.0021	<0.003	E0.0014	<0.002
01308000	06-17-97	0940	0.0056	<0.002	E0.0055	<0.002	0.0118
01308500	06-17-97	0840	E0.0039	<0.002	E0.0191	<0.002	0.0052
01309100	06-16-97	1140	0.0094	<0.002	E0.0349	<0.002	<0.002
01309500	06-16-97	1010	0.0052	E0.002	E0.0147	<0.002	E0.0037

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
06-16-97	<0.001	<0.005	<0.002	<0.018	<0.005	<0.010	<0.002
06-18-97	<0.001	<0.005	0.0051	E0.0140	E0.0024	E0.0043	<0.002
06-18-97	<0.001	<0.005	E0.0039	E0.0036	E0.0021	<0.010	<0.002
06-18-97	<0.001	<0.005	<0.002	E0.0135	E0.0036	<0.010	<0.002
06-17-97	<0.001	<0.005	<0.002	<0.018	<0.005	<0.010	<0.002
06-17-97	0.0135	0.0118	<0.002	E0.0131	0.0061	<0.010	E0.0018
06-17-97	<0.001	<0.005	E0.0034	0.0236	0.0059	<0.010	<0.002
06-16-97	0.0145	<0.005	<0.002	E0.0126	0.0320	0.161	<0.002
06-16-97	0.0186	<0.005	E0.0027	E0.0119	0.0056	<0.010	E0.0021

E Estimated

*U.S. GOVERNMENT PRINTING OFFICE:1998-646-070/80013

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}	megagrám or metric ton

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

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