Water Resources Data New York Water Year 1990

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-90-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1990

1989

OCTOBER

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1990

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SEPTEMBER

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Water Resources Data New York Water Year 1990

Volume 2. Long Island

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

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-90-2
Prepared in cooperation with the State of New York
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

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U.S. Geological Survey
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P.O. Box 1669
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1991

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Water resources data for the 1990 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 18 gaging stations, 27 wells, and 1 precipitation station; and water levels at 225 observation wells. Also included are data for 76 low-flow partial-record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data, together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

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b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages
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PREFACE

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

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

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

Volume 1. Albany, John R. Ritter, Subdistrict Chief
Potsdam, Howard G. Lent, Jr., Technician-in-charge
Volume 2. Syosset, Bronius Nemickas, Acting Subdistrict Chief
Volume 3. Ithaca, Robin G. Brown, Acting 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:

A. Chu
A. D. Lange
K. McGrath
G. Pena-Cruz
V. R. Simone

J. A. Pitt typed the text of the report.

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

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[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]

STREAMS ON LONG ISLAND

WATER RESOURCES DATA FOR NEW YORK, 1990
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1990 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 18 gaging stations, 27 wells, and 1 precipitation station; and water levels at 225 observation wells. Also included are data for 76 low-flow partial-record stations. Locations of these sites are shown on pages 23-31. 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, Books and Open-File Reports Section, Federal Center, Bldg. 41, Box 25425, Denver, Colorado, 80225.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-90-2". These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

COOPERATION

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

New York State Department of Environmental Conservation, Thomas Jorling, Commissioner.
County of Nassau, Department of Public Works, L. C. Hasl, Commissioner.
County of Suffolk, Department of Health Services, Dr. David Harris, 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 near or above average at the beginning of the water year as the result of significantly above-average precipitation in April and May. Both then began a slight decline that continued to the end of the water year.

Most maximum stream discharges on Long Island during the 1990 water year occurred in August, although some occurred in Nassau County in October. Heavy precipitation on August 24 caused Swan River (44 years of record) and Carlls River (46 years of record) to reach new maximum discharges. Generally, streamflow on Long Island exceeded that of the previous water year and ranged from average in the western streams increasing to above average in the eastern streams. Maximum monthly mean discharges at most stations occurred in May, and minimum monthly mean discharges occurred mostly in December or September.

Water levels in most wells screened in the upper glacial aquifer were above historic averages at the beginning of the water year. Precipitation for the water year was above average and water levels continued above average at most wells for the remainder of the year. Record-high ground-water levels were measured at various times during the year in eastern and southwestern Suffolk County, west-central Nassau County, and in most of southern and central Queens County. No record-low water levels were measured during the year.

Water levels in most wells screened in the Magothy and Lloyd aquifers at the beginning of the water year were above historic averages and remained above average during the year. Record-high water levels were measured in many wells in Suffolk County, southwestern Nassau County, and southern and central Queens County. No record-low water levels were measured during the year.

The record-high water levels in the three main aquifers in extreme western Nassau County and in most of southern and central Queens County occurred at the same time that pumpage was being decreased by a principal water-supply company.

The concentration of inorganic constituents in surface water and ground water during the 1990 water year did not change significantly from the previous year. Specific conductance of surface-water samples ranged from 89 to 572 uS/cm (microsiemens per centimeter at 25 degrees C), and the median was 201 uS/cm. Unusually high specific conductance in samples collected during the winter at surface-water sites may be due to road-deicing salts. The pH values of samples from surface-water sites ranged from 4.7 to 9.3 with a median of 6.2. Median pH at all surface water sites sampled was highest in the north-shore streams of Nassau County and generally decreased to the south and east. Specific conductance of samples from the Magothy aquifer ranged from 24 to 202 uS/cm, with a median of 138 uS/cm, and specific conductance of samples from the Magothy aquifer ranged from 24 to 202 uS/cm, with a median of 80 uS/cm. The pH of samples from the upper glacial aquifer ranged from 5.1 to 7.5 with a median of 5.8; and the pH of samples from the Magothy aquifer ranged from 4.9 to 7.4 with a median of 5.4.

SPECIAL NETWORKS AND PROGRAMS

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1990 water year that began October 1, 1989, and ended September 30, 1990. 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 wells.

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 a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an 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 denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. 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, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. See figure 1 on next page.

A local well-numbering system is also used. It is a 2-part identifier, assigned by the New York State Department of Environmental Conservation, consisting of the abbreviation of county name and the serial number of the well within the county.

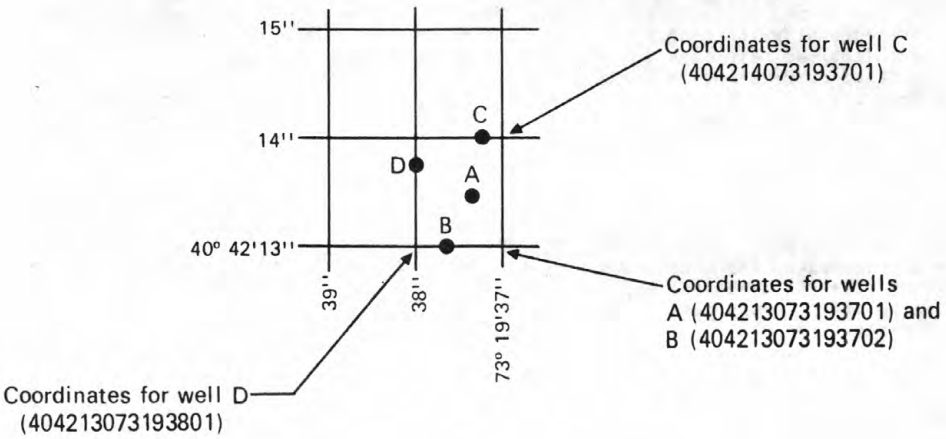

Figure 1. System for numbering wells (latitude and longitude).

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 computed or estimated with reasonable accuracy for any time, or period of time. They 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 observations wells in this report are shown in figures 6A, B, C, and 7A, B, and 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 A6.

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 or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information. 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

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; 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 of 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 where are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estiamted 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.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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, possibly, 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 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.

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

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

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 sampled 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 given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

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.

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.

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 Harrisburg, Pa. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colo., or Doraville, Ga. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

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 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 puhlished 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)

Records of Ground-Water Levels

Although over 800 wells are measured at annual or more frequent intervals, only ground-water level data from a basic network of 225 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 National Geodetic Vertical Datum of 1929. National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum in reference to National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported 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

Each well record consists of three parts, the station description, the data table of water levels observed during the water year, and the 10-year hydrograph. 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.

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) National Geodetic Vertical Datum of 1929 (NGVD of 1929); 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 National Geodetic Vertical Datum and all taped measurements of water level are listed for wells without recorders. The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the table for wells with recorders. 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 National Geodetic Vertical Datum. 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 changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as part of a special study in a specific area. Consequently, a number of chemical analyses are presented for one county, but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on a following page. 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. 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 along 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, data of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The National WATer STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

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

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

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

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

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

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

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or faculative 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°±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 units as ash mass.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cubic foot per second (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.

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 number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

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

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

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

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

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

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

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

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

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Polychlorinated 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 mg C/(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 mg O_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.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in 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-suspended 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.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total".

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....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 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.

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, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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

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

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

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

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

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

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

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

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

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

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

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5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

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

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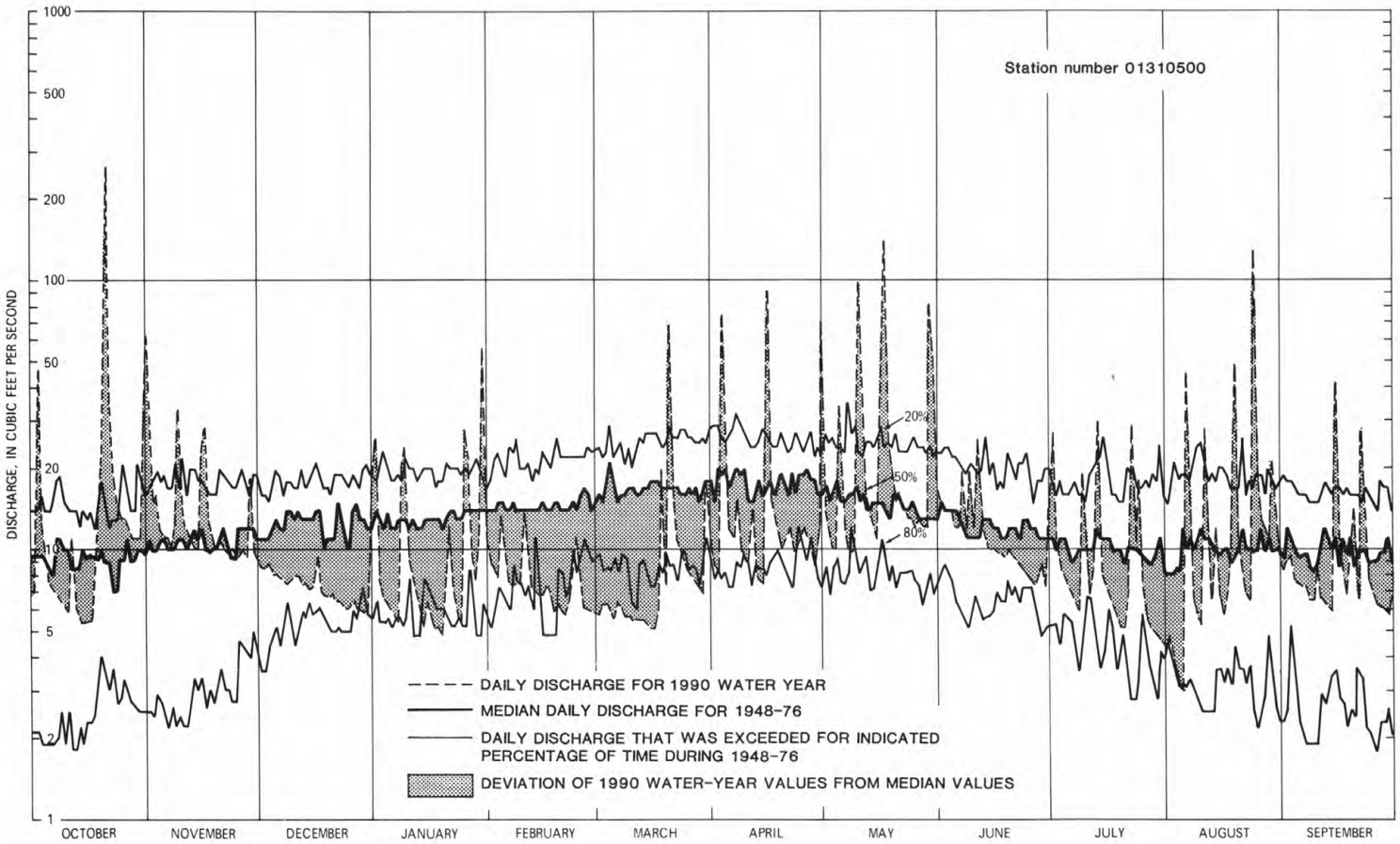


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport

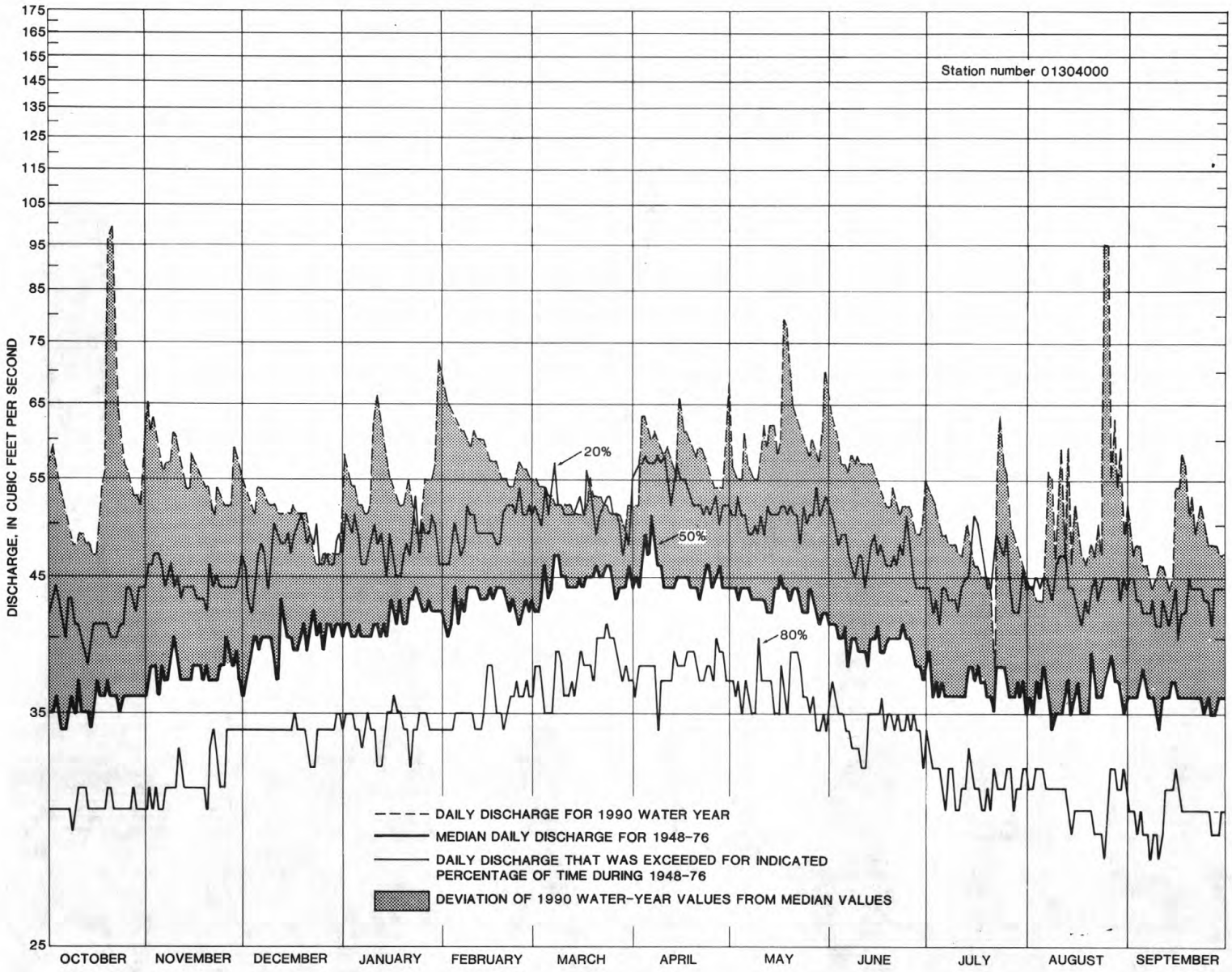


Figure 3 --Hydrographic Comparisons, Nissequogue River near Smithtown

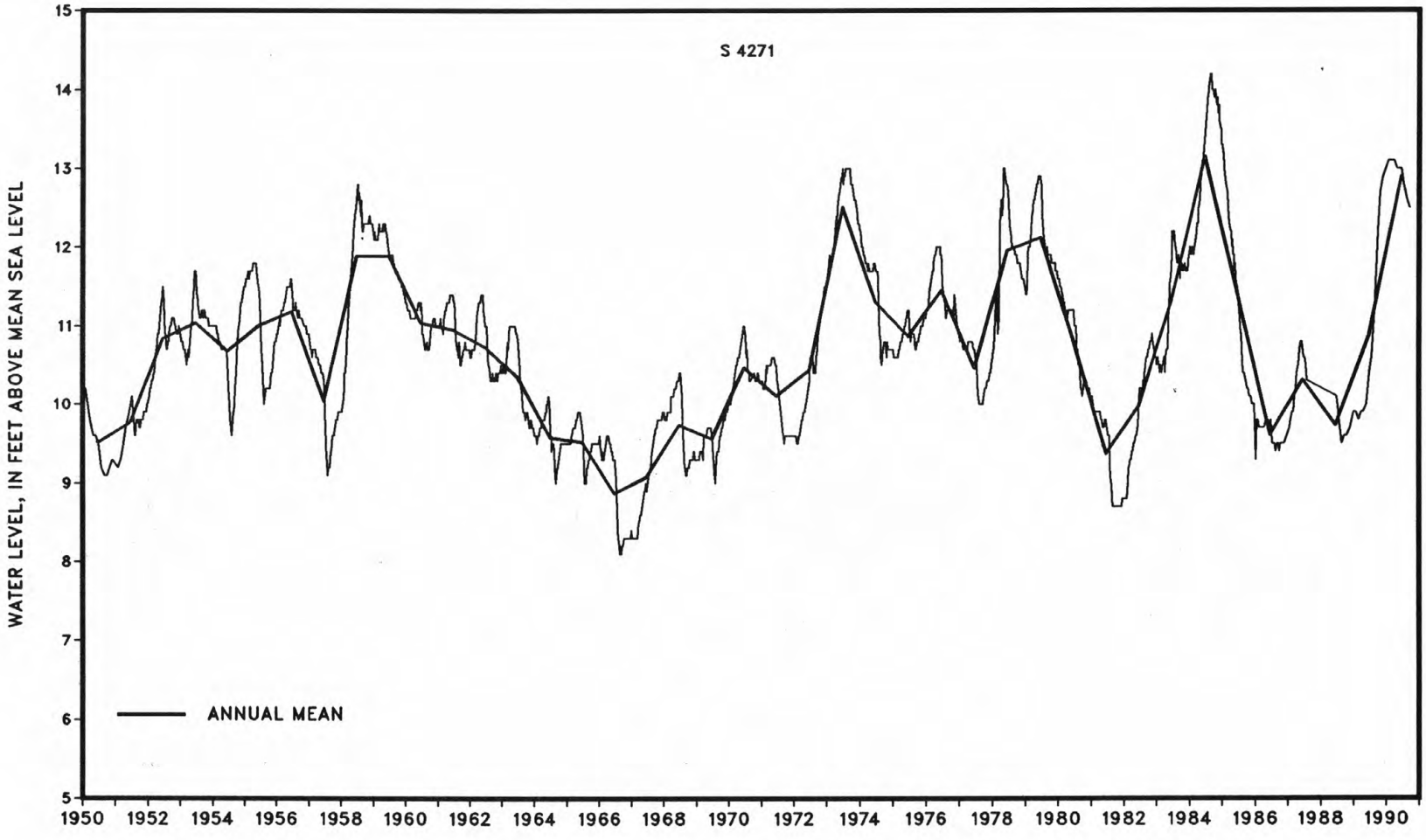


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead

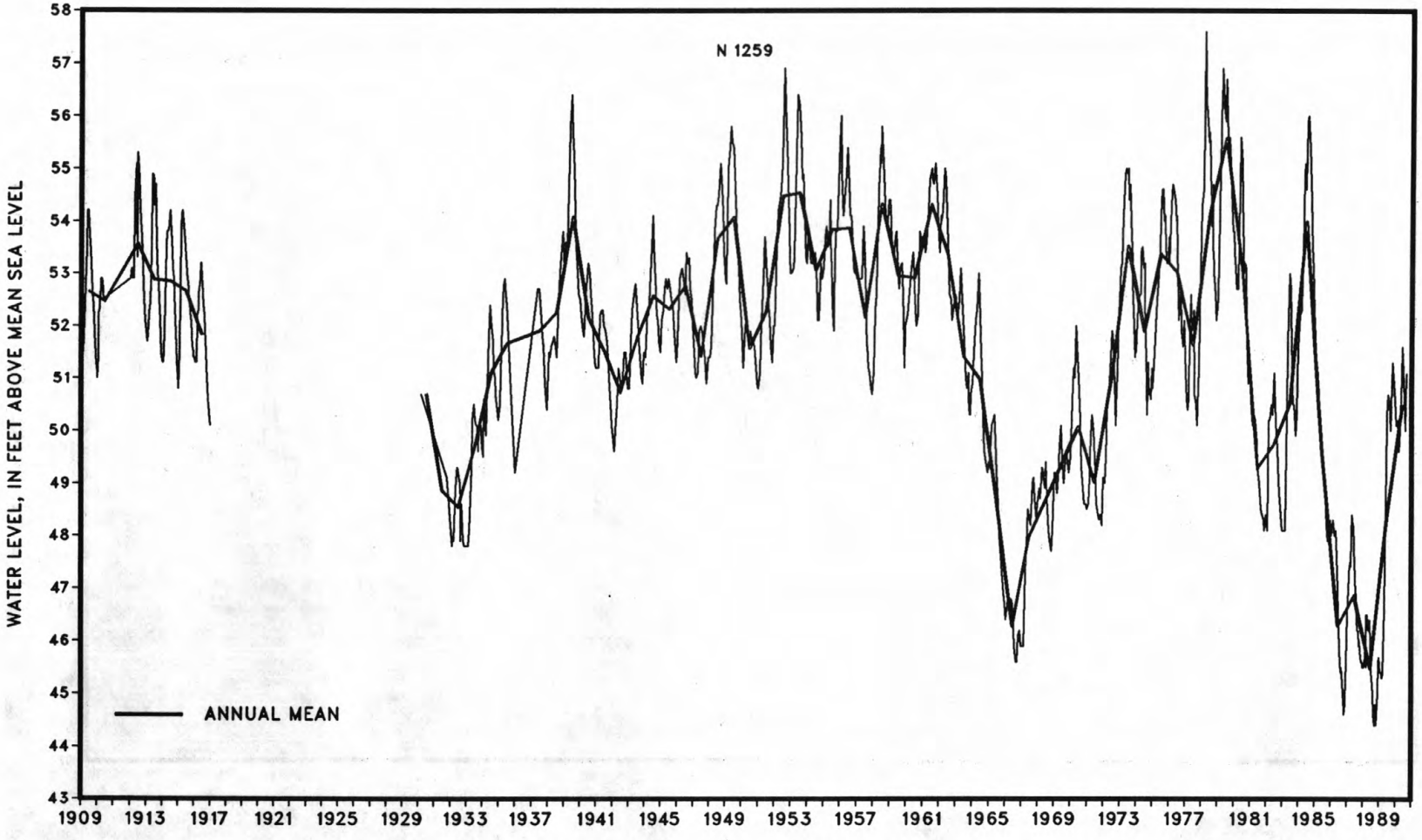


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge

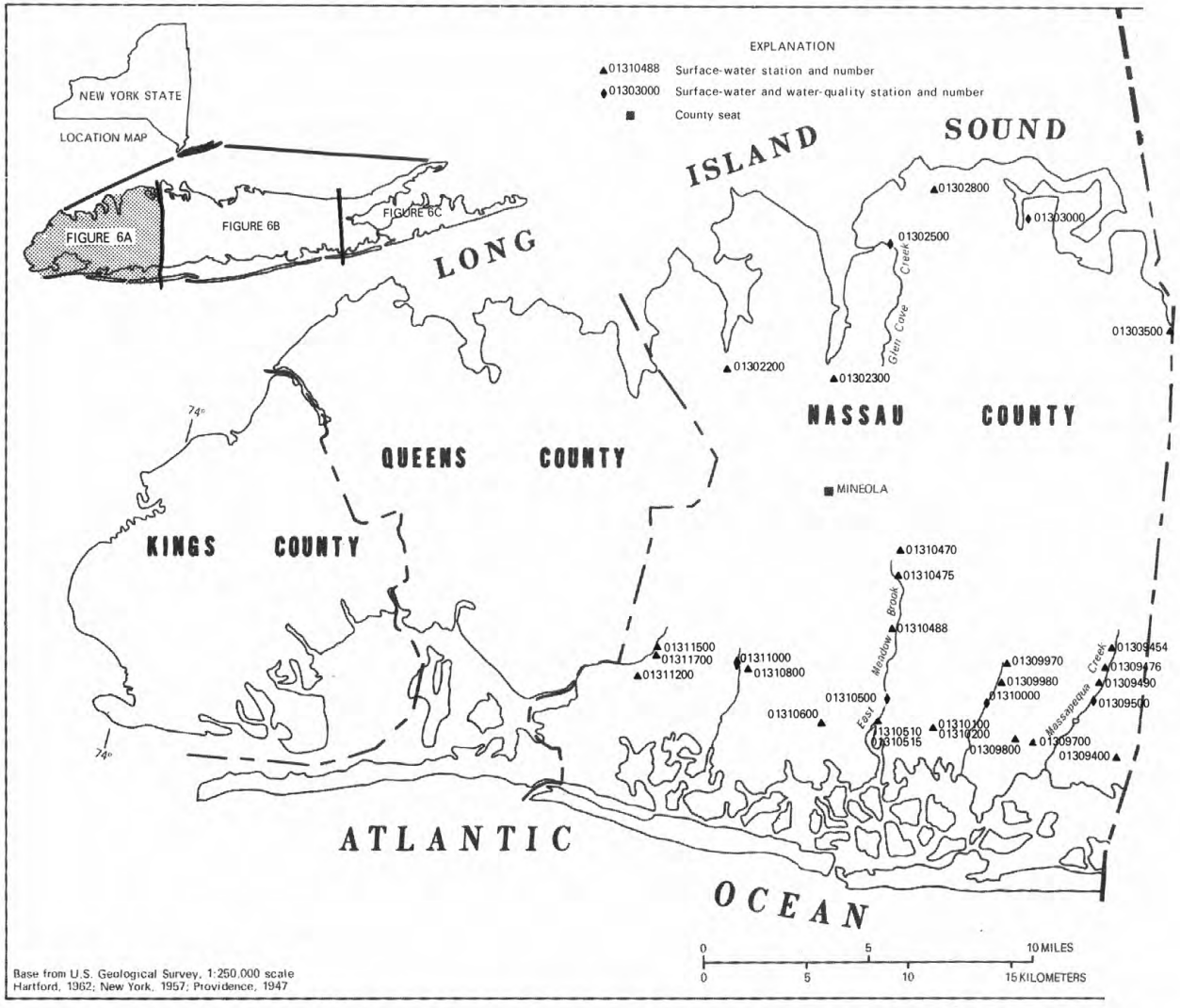


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

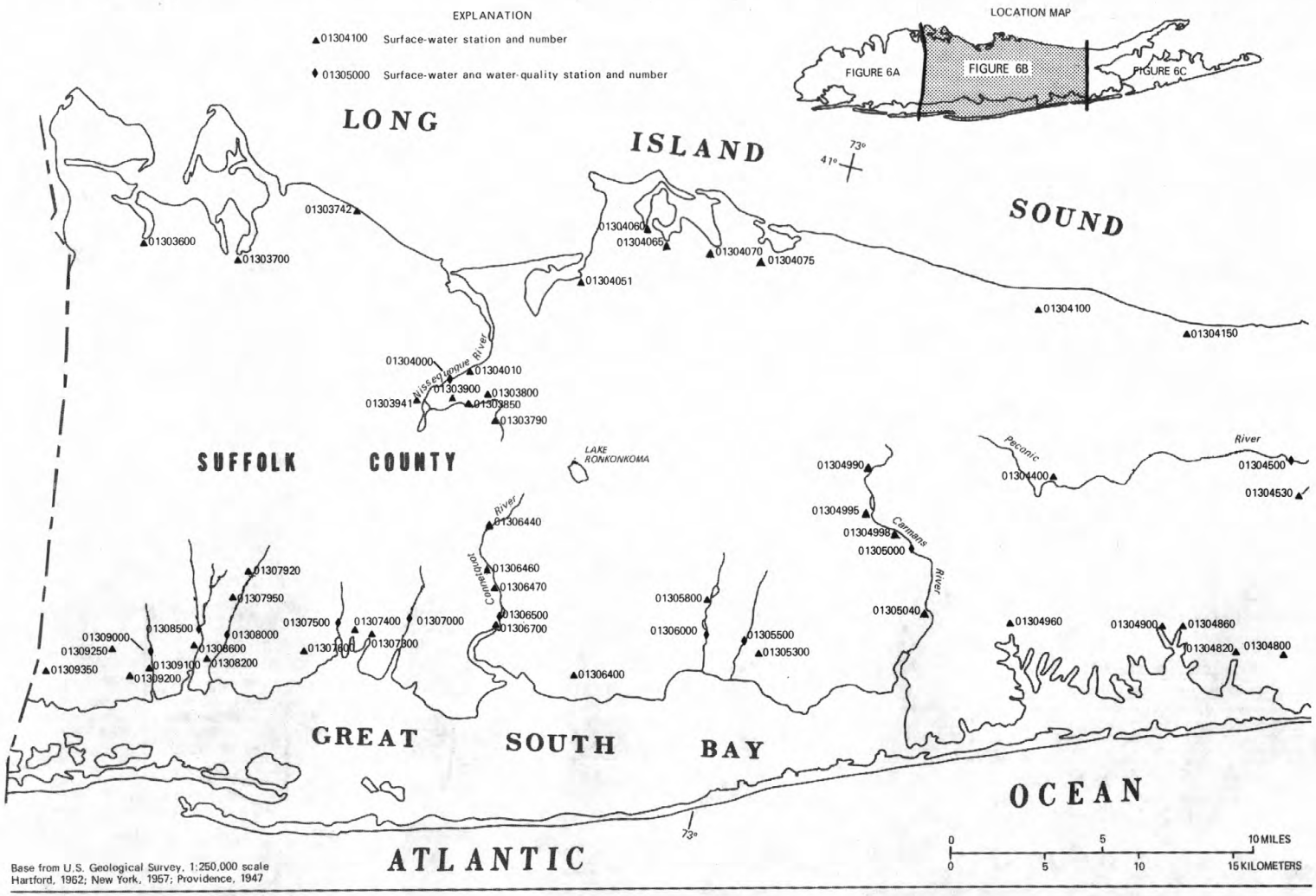


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

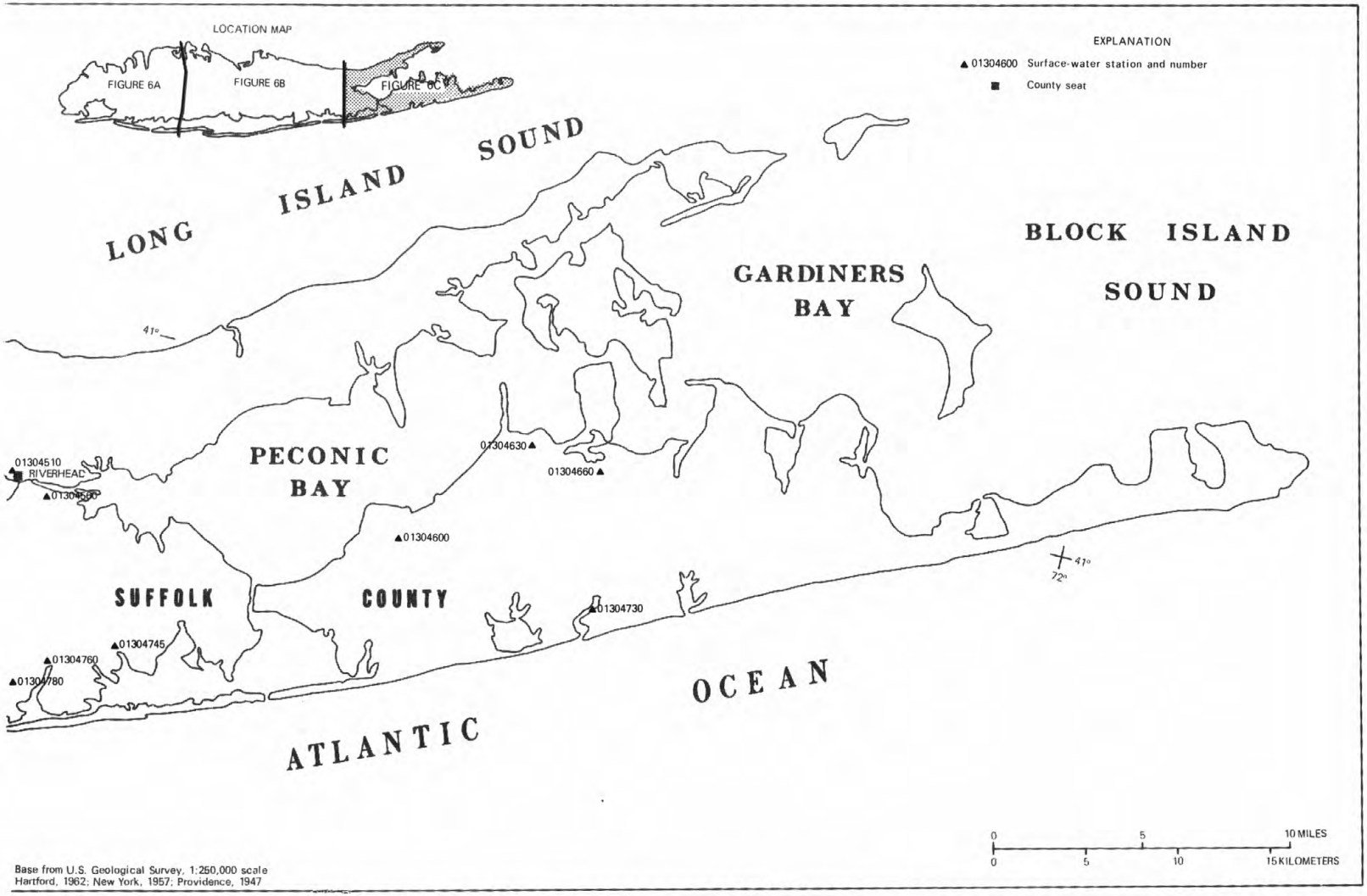


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

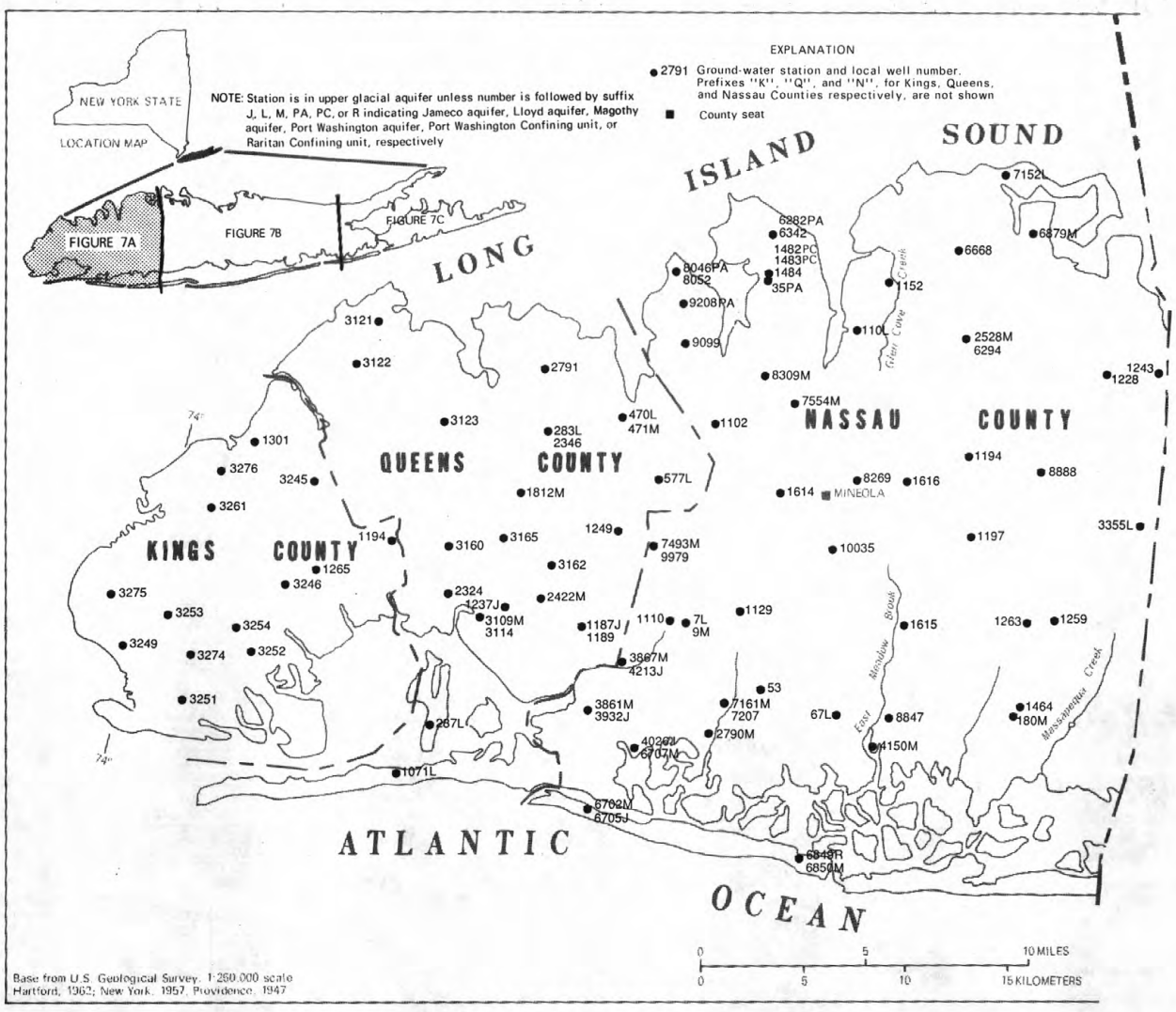


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

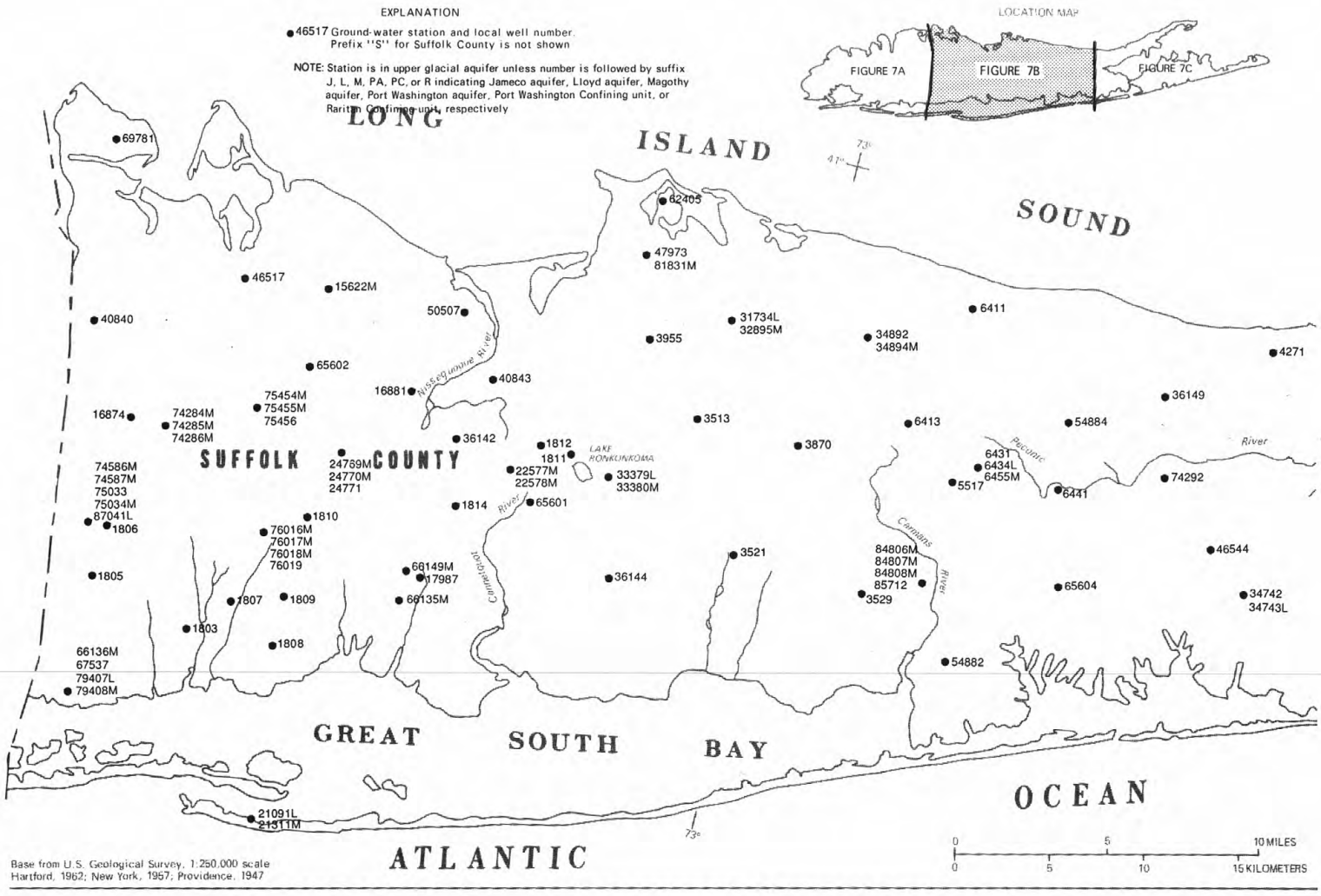


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

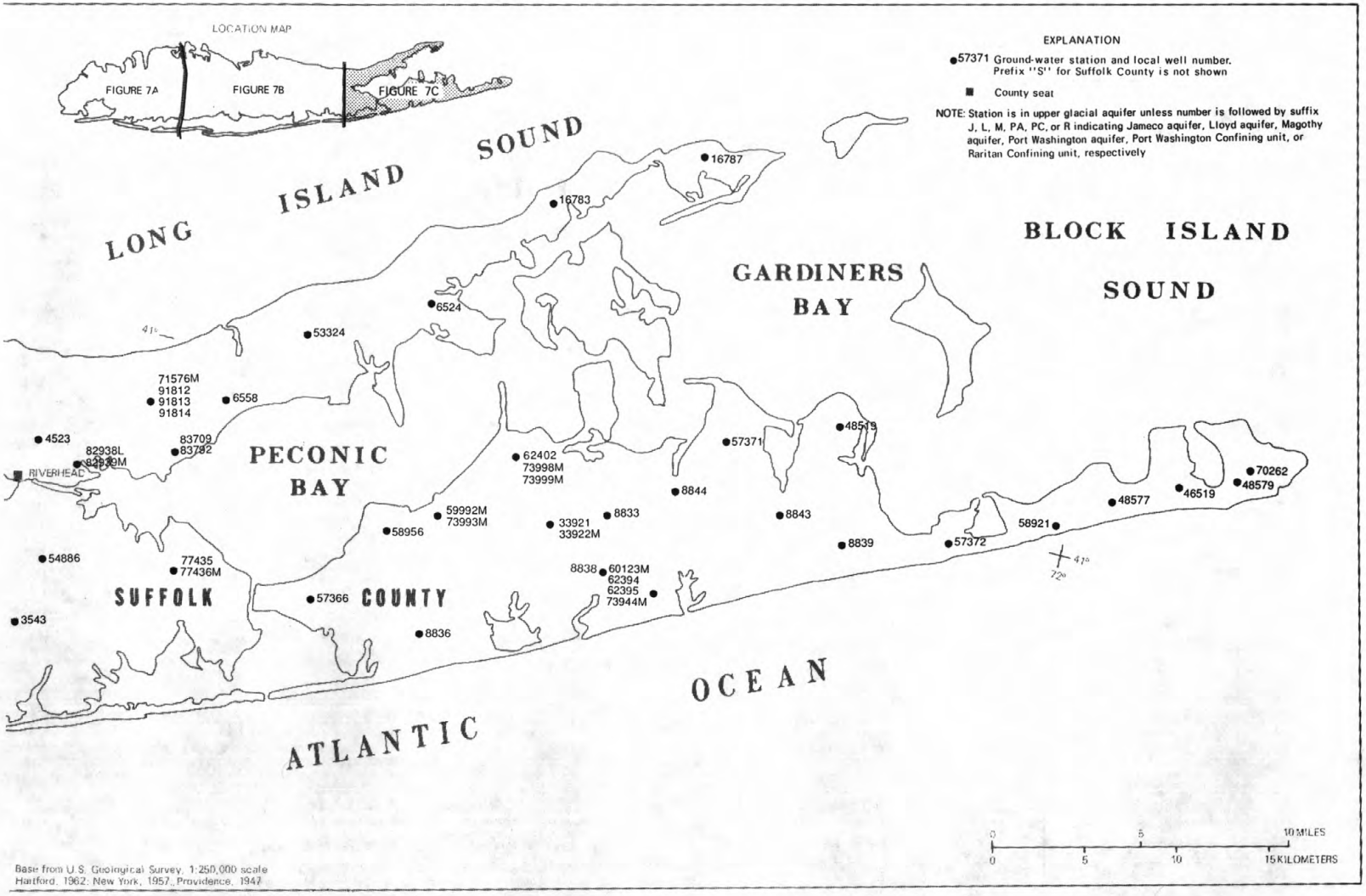


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

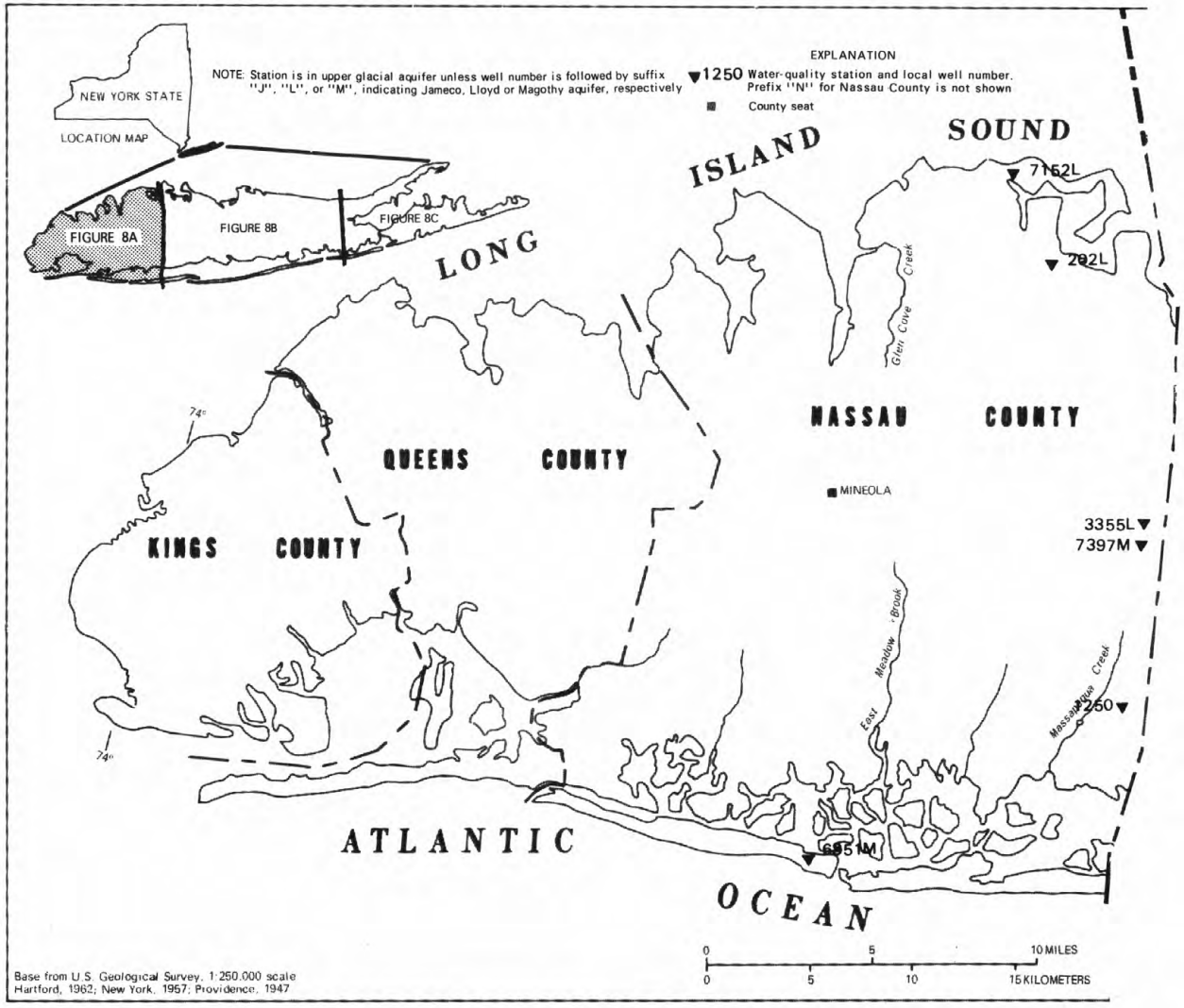


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

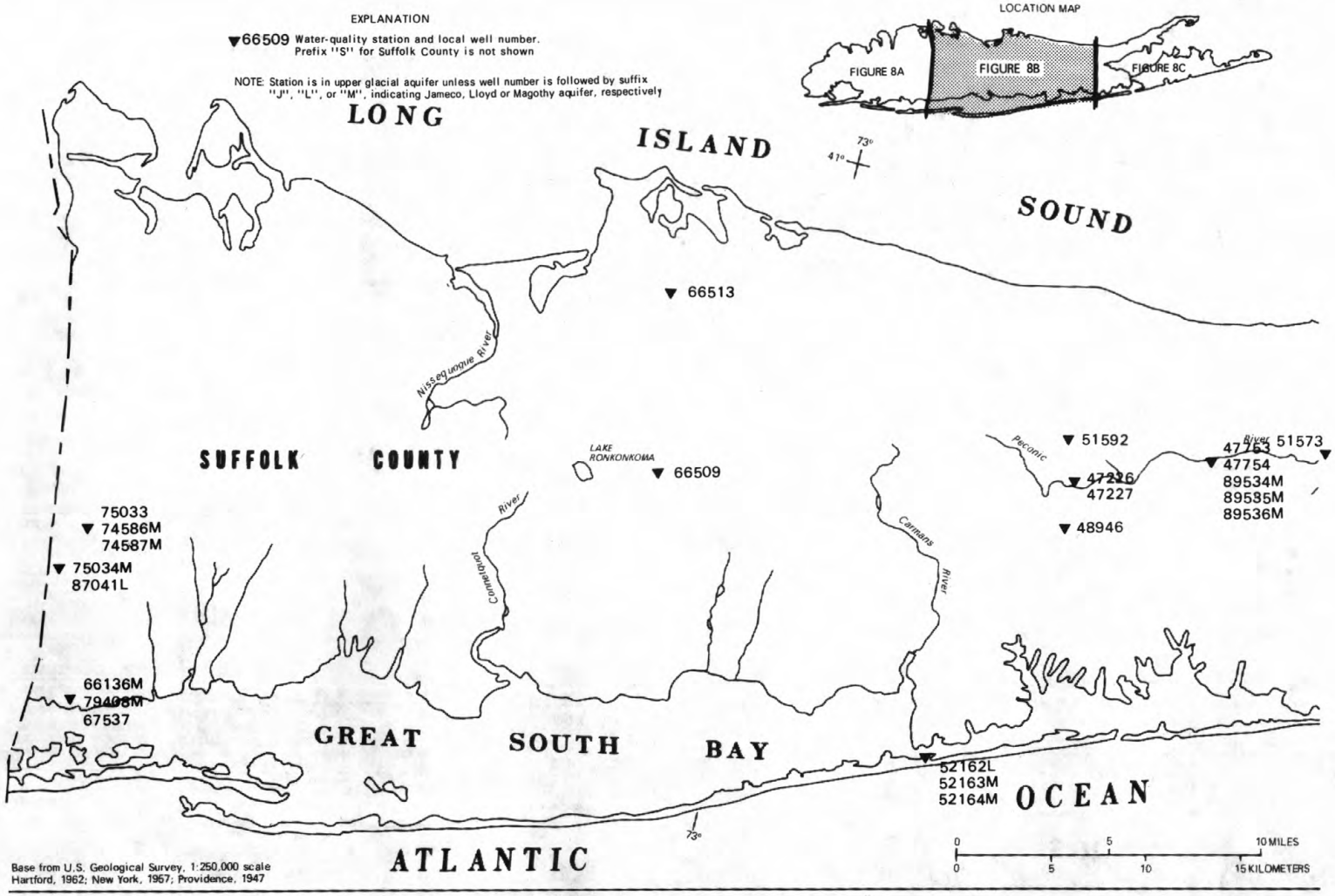


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

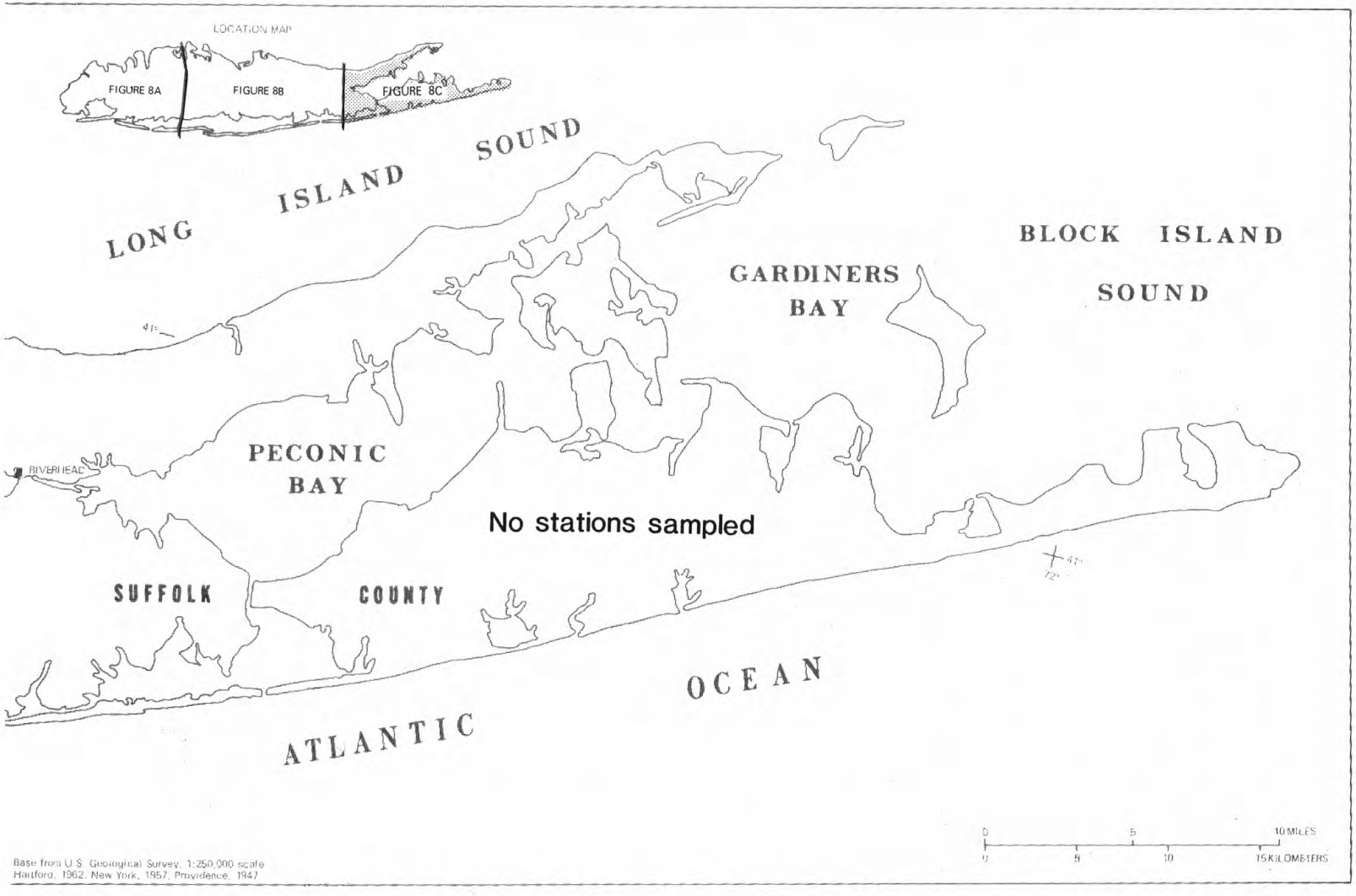


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

01302500 GLEN COVE CREEK AT GLEN COVE, NY

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

DRAINAGE AREA.--About 11 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.68 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1977, at datum 0.15 ft higher. Prior to June 17, 1965, at datum 0.19 ft higher.

REMARKS.--No estimated daily discharges. Records good except those above 200 ft^3/s, which are fair.

AVERAGE DISCHARGE.--52 years, 7.37 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 728 ft^3/s Sept. 12, 1960, gage height, 7.12 ft, from rating curve extended above 110 ft^3/s on basis of step-backwater method; minimum, 2.1 ft^3/s Oct. 15, 1967; minimum gage height, 0.52 ft Oct. 22, 1959, Oct. 15, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 571 ft^3/s May 16, gage height, 6.02 ft from rating curve extended above 110 ft^3/s on basis of step-backwater method; minimum, 4.0 ft^3/s Oct. 1, 2, 15, gage height, 0.71 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	10	4.5	14	7.3	5.0	6.0	7.6	7.8	22	5.7	5.4
2	21	7.0	4.5	4.8	7.1	5.0	6.1	6.9	7.1	6.1	5.3	5.5
3	5.6	7.7	4.5	4.9	6.6	5.0	39	6.4	7.0	5.6	5.1	4.9
4	5.4	5.9	4.4	5.4	9.4	4.9	11	7.6	6.9	5.4	5.1	5.3
5	5.2	5.5	4.4	6.3	6.4	4.9	7.4	21	7.0	5.3	4.9	5.6
6	4.7	5.5	4.4	4.7	6.0	5.8	7.1	7.7	6.7	5.2	48	5.5
7	4.5	5.1	4.4	4.6	5.8	5.2	9.8	6.6	9.2	5.0	16	5.5
8	4.3	6.9	4.4	5.6	5.5	5.1	6.6	6.1	6.5	4.9	7.2	5.1
9	4.2	19	4.4	13	5.7	5.2	6.1	5.9	8.5	5.0	6.7	4.9
10	4.3	7.2	4.4	11	13	5.1	6.6	65	6.2	4.9	8.4	5.4
11	9.9	6.0	4.4	6.2	6.3	5.1	10	21	10	4.9	24	5.3
12	4.2	5.5	4.4	5.4	5.8	5.1	6.2	9.5	6.4	6.9	8.0	5.3
13	4.3	5.2	4.5	5.0	5.5	5.1	5.8	10	6.1	13	12	5.3
14	4.3	5.0	5.1	4.8	5.4	5.0	5.7	7.4	6.4	5.4	8.4	5.3
15	4.2	10	5.3	6.4	5.7	4.9	49	7.0	6.3	5.4	6.0	12
16	4.5	15	5.7	5.0	5.9	5.0	10	56	5.8	5.2	5.9	6.3
17	8.6	6.4	5.1	5.0	5.2	6.8	9.6	61	5.9	5.1	6.6	11
18	4.9	5.5	5.1	5.1	5.0	11	7.4	17	7.0	5.2	5.9	5.2
19	13	5.1	4.9	5.0	5.1	5.9	6.7	12	6.3	5.0	5.3	9.1
20	122	5.2	4.4	7.9	4.9	35	6.4	10	5.5	5.0	5.4	6.0
21	23	4.8	4.4	11	4.9	8.9	10	9.7	5.5	5.7	5.1	5.0
22	11	4.3	4.4	6.8	6.0	7.3	6.5	8.2	5.5	5.5	5.0	15
23	9.3	4.5	4.4	5.3	5.8	6.6	6.5	7.0	5.4	5.5	20	5.8
24	8.3	4.7	4.4	5.1	8.6	5.9	5.9	6.3	5.3	6.7	83	5.0
25	8.5	5.2	4.5	19	5.9	5.8	8.2	6.1	5.1	5.0	13	4.9
26	7.8	6.4	4.5	13	5.1	5.8	5.9	6.4	5.2	5.0	11	4.9
27	6.5	4.9	4.5	6.4	5.1	5.6	5.7	5.9	5.2	5.6	8.9	4.9
28	5.8	9.5	4.5	5.5	5.1	5.4	5.5	5.8	5.5	5.3	7.9	4.8
29	5.5	4.9	4.5	13	---	5.7	12	51	15	5.1	11	4.7
30	5.2	4.7	4.4	31	---	15	26	32	9.1	5.1	5.8	5.5
31	28	---	12	8.4	---	6.7	---	9.4	---	14	5.8	---
TOTAL	362.0	202.6	149.7	254.6	174.1	218.8	314.7	499.5	205.4	199.0	376.4	184.4
MEAN	11.7	6.75	4.83	8.21	6.22	7.06	10.5	16.1	6.85	6.42	12.1	6.15
MAX	122	19	12	31	13	35	49	65	15	22	83	15
MIN	4.0	4.3	4.4	4.6	4.9	4.9	5.5	5.8	5.1	4.9	4.9	4.7

CAL YR 1989 TOTAL 3124.8 MEAN 8.56 MAX 122 MIN 3.4
WTR YR 1990 TOTAL 3141.2 MEAN 8.61 MAX 122 MIN 4.0

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

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
20...	1230	4.7	287	6.9	12.0	745	9.4	23	7.9	21
FEB										
08...	1145	5.5	237	6.6	9.0	767	11.1	24	8.0	26
APR										
19...	0800	6.5	277	6.5	10.5	786	10.1	22	7.2	24
JUL										
05...	0925	5.5	322	6.9	15.5	763	10.6	22	8.1	23

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
20...	2.3	46	30	35	0.10	16	0.012	<0.010	3.70	0.100
FEB										
08...	2.5	41	28	45	0.10	15	0.017	0.010	3.50	0.180
APR										
19...	2.0	42	23	42	0.40	16	0.011	<0.010	3.20	0.080
JUL										
05...	2.1	45	26	41	<0.10	15	0.014	<0.010	3.70	0.120

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV										
20...	0.100	0.40	0.50	0.020	0.015	0.020	520	--	130	0.07
FEB										
08...	0.190	0.70	1.2	0.040	0.016	0.010	510	310	90	0.09
APR										
19...	0.070	<0.20	0.20	0.020	0.014	0.010	540	360	70	0.04
JUL										
05...	0.090	0.50	0.20	0.010	0.017	<0.010	410	180	50	0.05

01303000 MILL NECK CREEK AT MILL NECK, NY

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

DRAINAGE AREA.--About 11.5 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

AVERAGE DISCHARGE.--53 years, 9.11 ft^3/s.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 32 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 20	0830	*78	*1.19	May 30	0200	42	0.85
May 10	2300	40	.83	Aug. 24	0830	51	.95
May 17	0200	49	.93				

Minimum discharge, 6.6 ft^3/s Oct. 8, 9, Sept. 8, 9, 29; minimum gage height, 0.27 ft Oct. 8, 9, Aug. 18, 19, Sept. 8, 9, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	20	9.7	15	11	8.4	10	13	11	15	9.6	7.4
2	11	13	9.5	11	9.6	8.4	9.5	9.9	9.6	12	8.2	7.5
3	12	11	9.4	9.4	9.4	8.4	18	8.6	9.2	9.8	7.7	8.5
4	8.4	10	9.0	8.9	10	8.1	17	8.5	9.0	8.6	7.3	7.7
5	7.4	9.7	9.0	8.8	9.8	8.0	12	14	8.5	8.1	7.3	7.4
6	7.3	9.6	9.2	8.7	9.3	9.1	9.9	11	8.5	7.9	17	7.3
7	7.1	9.6	9.1	8.4	9.1	9.0	10	9.5	9.4	7.7	18	7.3
8	7.0	9.8	8.8	9.0	8.8	8.5	9.5	8.9	9.0	7.7	12	6.8
9	7.0	15	8.8	11	8.6	8.5	8.9	8.8	11	7.8	9.2	6.9
10	7.5	14	8.8	11	10	8.9	8.7	16	9.8	7.9	8.7	7.3
11	9.7	11	9.1	11	11	9.0	10	27	9.9	7.9	14	7.3
12	8.6	9.6	9.2	9.8	9.3	8.7	9.3	14	11	8.9	12	7.3
13	7.7	9.2	9.2	8.9	8.8	8.5	8.6	11	9.2	13	9.8	7.3
14	7.3	9.4	9.0	8.4	8.4	8.4	8.4	11	8.8	11	12	7.2
15	7.3	12	8.9	8.9	8.7	8.4	20	9.3	8.8	9.8	9.1	8.4
16	7.3	14	9.5	9.2	9.4	8.3	15	14	8.7	8.9	8.0	8.1
17	8.3	13	9.0	8.9	8.8	8.5	11	35	8.4	8.4	7.7	9.1
18	9.0	11	8.8	9.1	8.4	11	9.5	19	8.5	8.2	7.3	7.9
19	12	9.7	8.8	8.8	8.4	9.7	8.6	13	8.8	8.0	7.3	7.7
20	60	9.7	8.8	9.1	7.9	18	8.2	10	8.8	7.9	7.4	9.1
21	33	9.3	8.8	12	8.0	17	9.7	10	8.8	8.0	7.7	7.9
22	17	11	8.5	12	8.5	11	9.9	9.6	9.0	8.2	7.7	9.4
23	12	12	8.4	10	9.3	9.3	8.9	9.2	8.6	8.1	7.9	9.9
24	11	10	8.4	9.3	10	8.7	8.3	9.0	8.3	8.5	38	7.9
25	9.8	10	8.4	12	9.6	8.5	8.8	8.7	8.1	8.4	19	7.2
26	9.5	11	8.7	15	11	8.3	8.9	8.8	8.0	7.9	12	7.2
27	9.5	10	8.6	12	9.4	8.1	8.4	9.1	8.0	7.7	9.3	7.2
28	9.2	12	8.7	9.7	8.7	8.1	8.1	8.7	7.8	7.7	8.3	7.0
29	9.2	11	8.8	9.6	---	8.1	7.7	14	8.5	7.7	9.6	7.0
30	9.2	9.9	9.1	20	---	11	16	30	15	7.6	8.7	7.1
31	13	---	10	13	---	12	---	15	---	8.3	7.8	---
TOTAL	361.3	336.5	278.0	327.9	259.2	293.9	316.8	403.6	276.0	272.6	335.6	231.3
MEAN	11.7	11.2	8.97	10.6	9.26	9.48	10.6	13.0	9.20	8.79	10.8	7.71
MAX	60	20	10	20	11	18	20	35	15	15	38	9.9
MIN	7.0	9.2	8.4	8.4	7.9	8.0	7.7	8.5	7.8	7.6	7.3	6.8

CAL YR 1989 TOTAL 3330.6 MEAN 9.12 MAX 60 MIN 5.3
WTR YR 1990 TOTAL 3692.7 MEAN 10.1 MAX 60 MIN 6.8

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

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 20...	0945	9.6	126	6.8	4.0	751	13.5	11	4.3	11
FEB 08...	0915	8.8	169	7.2	2.5	767	16.3	11	4.3	17
APR 19...	0955	8.8	146	8.5	12.5	786	11.8	11	4.1	12
JUL 05...	0735	8.0	199	9.3	17.0	763	10.1	11	3.9	11

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 20...	1.7	25	17	15	<0.10	11	0.029	<0.010	1.30	0.180
FEB 08...	1.6	23	18	25	0.10	9.5	0.021	0.020	2.40	0.010
APR 19...	1.1	24	16	19	0.20	4.6	0.024	0.020	0.800	<0.010
JUL 05...	1.4	33	17	18	0.20	9.6	0.022	<0.010	0.200	0.030

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV 20...	0.200	1.1	0.60	0.030	0.013	0.010	450	--	60	0.03
FEB 08...	0.020	0.60	0.40	0.340	0.335	0.210	320	130	30	0.12
APR 19...	0.010	0.40	0.40	0.040	0.013	0.010	520	170	30	0.02
JUL 05...	0.030	2.0	0.70	0.030	0.029	0.020	840	220	40	0.11

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

LOCATION.--Lat 40°51'26", long 73°27'50", Nassau County, Hydrologic Unit 02030201, on left bank 270 ft upstream from State Highway 25A, at Cold Spring Harbor State 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), 1958 (M), 1962-63 (M), 1971 (M), 1978-79, 1980 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.38 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good except those above 100 ft^3/s, which are fair. Flow occasionally regulated at outlet of pond 40 ft above station. Diversion from this pond by New York State Fish Hatchery bypasses station, except during the 1979 water year.

AVERAGE DISCHARGE.--39 years (1951-78, 80-90), 2.62 ft^3/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s Jan. 21, 1979, gage height, 1.99 ft (result of regulation), from rating curve extended above 70 ft^3/s; maximum gage height, 5.34 ft Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft^3/s Jan. 24-27, 1967, gage height, 0.07 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft^3/s Aug 24, gage height, 0.87 ft; maximum gage height, 2.02 ft Oct. 19 (backwater from high tide); minimum discharge 1.4 ft^3/s Oct. 1, gage height, 0.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.8	2.6	4.1	3.2	2.8	3.5	4.3	4.4	5.2	3.0	3.0
2	3.5	3.7	2.6	3.5	3.0	2.8	3.2	3.4	4.0	4.2	3.2	3.0
3	3.5	3.0	2.6	2.9	3.0	3.0	5.5	3.1	3.8	3.3	3.1	3.2
4	2.3	2.6	2.4	2.6	3.2	2.8	5.9	3.1	3.5	2.9	2.9	3.0
5	1.9	2.4	2.5	2.6	3.1	2.8	4.0	4.4	3.5	2.8	2.8	3.0
6	1.6	2.4	2.6	2.6	2.9	3.1	3.4	4.0	3.5	2.7	4.7	3.0
7	1.6	2.2	2.6	2.6	2.9	3.0	3.6	3.4	3.9	2.6	5.2	3.2
8	1.6	2.2	2.4	2.7	2.9	2.8	3.4	3.2	3.8	2.6	4.0	3.0
9	1.7	3.0	2.5	3.6	2.9	2.8	3.1	3.0	3.9	2.7	3.3	3.1
10	1.6	3.2	2.6	3.5	3.2	3.0	3.0	7.6	3.8	2.8	3.0	3.3
11	2.3	3.0	2.8	3.2	3.3	3.0	3.4	11	4.0	2.8	4.4	3.2
12	2.1	2.6	2.7	3.0	3.1	3.0	3.2	5.0	4.5	2.9	4.9	3.2
13	2.0	2.6	2.6	2.7	2.7	3.0	3.0	4.0	3.8	4.2	4.3	3.1
14	1.8	2.6	2.6	2.6	2.5	3.0	2.9	3.8	3.4	3.8	3.8	3.1
15	1.8	3.0	2.7	2.7	2.8	3.0	8.2	3.6	3.3	3.4	2.9	4.7
16	1.8	3.7	2.9	2.8	3.5	3.0	5.4	4.6	3.2	3.1	2.7	4.3
17	2.2	3.4	2.5	2.8	3.4	3.0	3.9	16	3.2	3.0	2.6	3.9
18	2.4	2.8	2.4	2.8	2.8	3.6	3.4	6.4	3.3	2.9	2.6	3.3
19	2.8	2.4	2.4	2.8	2.8	3.2	3.1	4.7	3.5	2.8	2.6	3.2
20	11	2.5	2.4	2.9	2.7	6.2	3.0	4.2	3.2	2.8	2.6	3.9
21	6.6	2.5	2.4	3.5	2.8	5.4	3.4	4.2	3.0	3.0	2.8	3.5
22	3.4	2.4	2.2	3.4	2.9	3.8	3.4	4.0	4.0	4.0	2.8	3.8
23	2.5	3.0	2.2	3.1	3.2	3.3	3.2	3.7	3.5	4.0	3.2	4.0
24	2.2	2.8	2.1	2.9	3.5	3.0	3.0	3.7	3.0	3.8	18	3.5
25	2.2	2.7	2.4	3.5	3.3	3.0	3.2	3.7	3.0	3.7	6.3	3.2
26	2.2	2.8	2.4	4.2	2.9	2.9	3.2	3.7	2.8	3.2	4.2	3.1
27	2.2	2.8	2.4	3.8	2.8	2.8	3.2	3.7	2.8	3.0	3.5	3.1
28	2.2	3.3	2.4	3.2	2.8	2.8	3.0	3.8	2.8	3.0	3.3	3.1
29	2.2	3.1	2.4	3.1	---	2.8	3.1	5.3	3.0	3.0	3.7	3.2
30	2.2	2.8	2.5	6.4	---	3.6	4.7	11	4.6	3.0	3.3	3.2
31	2.4	---	2.8	4.2	---	3.9	---	5.5	---	3.1	3.0	---
TOTAL	82.2	86.3	77.6	100.3	84.1	100.2	111.5	155.1	106.0	100.3	122.7	100.4
MEAN	2.65	2.88	2.50	3.24	3.00	3.23	3.72	5.00	3.53	3.24	3.96	3.35
MAX	11	4.8	2.9	6.4	3.5	6.2	8.2	16	4.6	5.2	18	4.7
MIN	1.6	2.2	2.1	2.6	2.5	2.8	2.9	3.0	2.8	2.6	2.6	3.0

CAL YR 1989 TOTAL 747.29 MEAN 2.05 MAX 14 MIN .28
WTR YR 1990 TOTAL 1226.7 MEAN 3.36 MAX 18 MIN 1.6

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 27 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--47 years, 42.3 ft^3/s.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 126 ft^3/s Aug. 24, gage height, 1.16 ft; minimum, 27 ft^3/s Dec. 4, gage height, 0.58 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	65	54	58	67	55	52	57	63	54	44	50
2	57	61	53	56	65	54	52	56	61	53	44	47
3	59	63	52	54	64	54	63	55	60	52	43	48
4	56	60	51	54	63	54	63	55	57	50	43	48
5	54	57	54	52	62	53	61	61	57	49	43	46
6	53	56	54	52	61	53	60	57	56	49	47	46
7	51	57	53	51	61	52	61	56	58	48	56	45
8	49	57	52	51	60	52	60	55	57	48	55	44
9	48	61	52	52	59	52	59	55	58	48	47	45
10	48	60	52	62	61	52	58	59	57	47	52	46
11	49	58	51	66	60	52	59	62	57	47	59	46
12	49	56	51	62	60	52	57	59	57	48	47	45
13	48	54	51	59	60	51	56	62	57	50	59	44
14	48	54	51	57	58	51	55	62	56	47	46	45
15	47	58	51	55	57	51	66	58	55	46	52	54
16	47	57	52	54	57	51	61	60	54	46	50	54
17	49	56	51	53	57	52	61	79	53	45	47	58
18	54	55	51	52	56	55	60	78	52	45	46	57
19	56	54	51	52	55	53	59	70	52	45	47	51
20	97	54	51	53	55	53	58	65	54	43	48	53
21	99	52	50	55	54	53	59	63	52	37	47	49
22	75	51	47	52	54	52	59	62	51	55	50	51
23	64	54	46	49	55	52	57	60	52	63	47	52
24	60	53	46	49	57	51	56	59	52	57	95	49
25	57	52	47	52	56	51	55	58	52	56	95	48
26	56	52	47	55	56	51	54	60	50	50	56	48
27	54	52	47	55	55	51	54	58	49	49	63	48
28	53	59	47	55	55	50	54	57	49	48	54	47
29	53	57	47	57	---	49	58	61	50	47	59	47
30	52	55	47	72	---	52	68	70	55	46	49	46
31	58	---	51	69	---	52	---	66	---	45	52	---
TOTAL	1749	1690	1560	1725	1640	1616	1755	1895	1643	1513	1642	1457
MEAN	56.4	56.3	50.3	55.6	58.6	52.1	58.5	61.1	54.8	48.8	53.0	48.6
MAX	99	65	54	72	67	55	68	79	63	63	95	58
MIN	47	51	46	49	54	49	52	55	49	37	43	44

CAL YR 1989 TOTAL 18763 MEAN 51.4 MAX 141 MIN 34
WTR YR 1990 TOTAL 19885 MEAN 54.5 MAX 99 MIN 37

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1978 to September 1981.
WATER TEMPERATURES: January 1978 to September 1981.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
* 05...	1550	54	135	6.1	13.0	--	10.0	--	--	--	--	--
NOV												
14...	1130	54	141	6.3	11.0	763	10.5	95	84	0.50	55	--
JAN												
* 18...	1425	52	172	5.9	7.0	--	11.4	--	--	--	--	--
MAR												
01...	1100	54	150	6.4	7.5	774	14.2	116	99	1.0	--	--
* 15...	1000	51	--	5.2	12.5	--	10.2	--	--	--	--	--
APR												
11...	1120	58	120	6.4	14.5	761	10.6	104	--	--	--	--
MAY												
15...	1200	58	132	7.1	19.0	775	10.2	108	72	0.60	K 15	K 2
JUN												
* 13...	1430	57	143	6.0	20.0	--	8.8	--	--	--	--	--
AUG												
14...	0855	42	94	6.7	20.0	769	8.2	89	67	0.60	39	150
SEP												
* 27...	1415	48	109	6.2	15.5	--	8.0	--	--	--	--	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	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)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT												
* 05...	7.2	2.8	12	1.3	--	7.2	20	--	--	--	--	<0.020
NOV												
14...	8.0	2.6	13	1.7	18	12	18	<0.10	9.3	0.020	1.90	0.080
JAN												
* 18...	10	3.7	16	1.3	12	12	23	--	--	--	--	0.050
MAR												
01...	8.3	2.9	17	1.6	15	13	23	<0.10	8.7	0.060	2.30	0.110
* 15...	6.5	2.4	11	1.9	--	9.0	19	--	--	--	--	0.060
APR												
11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
15...	8.0	2.7	13	1.3	17	10	19	<0.10	7.3	0.020	1.90	0.040
JUN												
* 13...	7.0	2.9	12	0.70	14	7.0	18	--	--	--	--	0.030
AUG												
14...	7.7	2.5	12	1.1	--	8.6	19	<0.10	8.0	<0.010	1.50	0.020
SEP												
* 27...	5.9	3.0	11	1.1	14	9.3	19	--	--	--	--	0.030

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT												
* 05...	--	0.35	<0.010	<0.010	--	--	--	--	--	--	--	--
NOV												
14...	0.070	0.30	0.010	<0.010	<0.010	<10	10	<1	17	<0.5	<1	<1.0
JAN												
* 18...	--	0.16	0.045	0.034	--	--	--	--	--	--	--	--
MAR												
01...	0.060	0.30	0.010	<0.010	<0.010	220	10	<1	19	<0.5	<1	<1.0
* 15...	--	0.33	0.031	<0.010	--	--	<80	--	36	--	--	<10
APR												
11...	--	--	--	--	--	40	--	--	--	--	<1	--
MAY												
15...	0.040	0.60	0.010	<0.010	<0.010	110	<10	<1	13	<0.5	<1	<1.0
JUN												
* 13...	--	0.08	--	--	--	--	10	<20	37	<20	--	<20
AUG												
14...	0.050	0.30	0.030	<0.010	<0.010	40	10	<1	16	<0.5	<1	<1.0
SEP												
* 27...	--	0.49	<0.010	<0.010	--	--	<50	--	<50	<10	--	<10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT											
* 05...	--	--	--	--	110	60	--	--	--	<50	<50
NOV											
14...	1	<3	2	<1	160	98	1	<1	<4	50	30
JAN											
* 18...	--	--	--	--	70	60	--	--	--	120	60
MAR											
01...	<5	<3	10	<10	180	72	2	<10	<4	160	140
* 15...	<10	<20	--	<20	140	100	--	<100	--	81	62
APR											
11...	--	--	2	--	210	--	1	--	--	100	--
MAY											
15...	<1	<3	7	3	260	100	1	<1	<4	140	86
JUN											
* 13...	<20	<20	--	<10	60	40	--	<20	--	40	24
AUG											
14...	<1	<3	2	7	200	60	3	1	<4	70	27
SEP											
* 27...	<10	<20	--	<10	90	50	--	<10	--	20	30

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT											
* 05...	--	--	--	--	--	--	--	--	--	--	--
NOV											
14...	<0.10	<0.1	<10	1	1	<1	<1.0	62	<6	<10	16
JAN											
* 18...	--	--	--	--	--	--	--	--	--	--	--
MAR											
01...	<0.10	<0.1	<10	3	<10	<1	<1.0	59	<6	20	14
* 15...	--	--	--	--	<20	<250	--	--	<20	--	18
APR											
11...	<0.10	--	--	2	--	--	--	--	--	<10	--
MAY											
15...	<0.10	<0.1	<10	<1	<1	<1	<1.0	57	<6	<10	44
JUN											
* 13...	--	--	<20	--	<20	<20	--	62	<20	--	<20
AUG											
14...	<0.10	<0.1	<10	2	1	<1	<1.0	53	<6	<10	10
SEP											
* 27...	--	--	--	--	<20	<20	--	--	<20	--	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV					
14...	1130	54	0	0.0	75
MAR					
01...	1100	54	1	0.15	78
APR					
11...	1120	58	11	1.7	--
MAY					
15...	1200	58	2	0.31	75
AUG					
14...	0855	42	2	0.23	56

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 National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--48 years, 37.2 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft^3/s Jan. 30, 1978, gage height, 1.20 ft (result of regulation); maximum gage height, 2.09 ft Mar. 29, 1984 (backwater from high tide); minimum discharge, 1.4 ft^3/s Jan. 9, 1966, Jan. 31, 1967, Dec. 6, 1969, Jan. 27, 1972, Dec. 10, 11, 1977; minimum gage height, 0.10 ft Jan. 31, 1967 (result of freezeup), Dec. 6, 1969, Jan. 27, 1972 (result of freezeup); minimum daily discharge, 3.7 ft^3/s Aug. 2, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 101 ft^3/s Oct. 3, Nov. 9, gage height, 0.82 ft; minimum 2.7 ft^3/s Dec. 17 (result of freezeup), gage height, 0.12 ft; minimum daily, 32 ft^3/s Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	88	72	63	79	66	58	62	72	61	42	39
2	59	84	70	62	80	66	57	61	72	61	41	38
3	83	87	71	62	81	66	64	60	72	59	41	37
4	91	85	47	62	81	66	74	59	72	57	40	35
5	78	82	76	61	80	64	71	65	70	55	39	35
6	70	84	71	60	79	65	70	65	69	53	40	35
7	68	84	69	60	77	63	70	63	71	52	44	35
8	65	82	68	59	76	62	70	62	70	46	43	34
9	63	92	67	64	75	62	68	61	70	46	43	33
10	61	89	66	64	79	62	68	62	68	48	43	34
11	63	86	65	62	79	62	69	67	66	47	49	34
12	62	83	64	62	77	61	68	64	65	47	50	33
13	60	81	64	61	77	61	66	64	64	53	49	33
14	58	79	62	58	75	60	64	65	63	52	49	32
15	57	82	62	61	73	60	72	64	62	52	48	36
16	55	83	64	62	74	58	74	65	60	52	47	35
17	54	82	59	62	74	58	74	74	58	50	47	36
18	60	80	e62	62	72	61	74	73	57	49	46	35
19	61	78	e58	60	72	60	72	71	58	48	45	34
20	75	77	e58	61	70	61	72	69	58	46	44	36
21	87	77	e60	65	68	61	73	69	56	45	43	35
22	83	73	e58	66	68	60	74	70	56	44	43	37
23	81	76	e58	65	70	60	72	68	56	43	42	40
24	81	76	e58	64	70	58	70	68	56	45	43	39
25	80	74	e58	66	72	58	69	62	54	47	43	38
26	79	74	e58	68	69	57	68	62	53	44	43	37
27	78	74	e56	68	70	56	68	64	52	46	42	39
28	76	76	e56	68	68	54	65	63	51	44	41	39
29	74	75	e56	68	---	54	62	65	51	42	41	37
30	72	74	e56	80	---	56	62	74	58	42	41	35
31	75	---	e56	79	---	58	---	73	---	42	40	---
TOTAL	2159	2417	1925	1985	2085	1876	2058	2034	1860	1518	1352	1075
MEAN	69.6	80.6	62.1	64.0	74.5	60.5	68.6	65.6	62.0	49.0	43.6	35.8
MAX	91	92	76	80	81	66	74	74	72	61	50	40
MIN	50	73	47	58	68	54	57	59	51	42	39	32

CAL YR 1989 TOTAL 20060 MEAN 55.0 MAX 143 MIN 15
WTR YR 1990 TOTAL 22344 MEAN 61.2 MAX 92 MIN 32

e Estimated

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to September 1980.
WATER TEMPERATURES: June 1975 to September 1980.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 04...	1140	93	93	5.9	14.0	9.5	5.4	1.8	8.3	1.3	--
JAN 18...	1040	62	103	5.7	6.0	11.6	6.5	2.1	8.5	1.4	9
MAR 13...	1000	62	--	5.6	9.0	10.9	5.5	1.9	8.5	1.2	--
JUN 11...	0820	66	105	5.7	21.0	6.5	5.7	2.1	8.6	1.2	10
SEP 26...	0830	37	89	5.9	16.0	8.4	5.5	2.3	8.1	1.3	12

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
OCT 04...	8.9	15	0.240	0.007	--	<0.020	0.69	0.49	0.083	0.044	--
JAN 18...	12	15	--	--	0.400	0.050	0.27	<0.0	0.078	0.058	0.022
MAR 13...	11	12	--	--	<0.200	<0.020	0.23	<0.050	0.058	0.036	0.012
JUN 11...	7.0	15	--	--	0.200	0.060	1.3	1.2	0.135	0.072	0.046
SEP 26...	11	16	--	--	0.280	0.050	1.2	1.0	0.056	0.047	0.022

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 04...	--	--	--	--	--	--	--	--	--	920	530
JAN 18...	--	--	--	--	--	--	--	--	--	110	250
MAR 13...	<75	<10	--	40	<1	<10	<10	<20	<20	440	250
JUN 11...	42	<20	<20	41	<20	<20	<20	<20	<10	1200	780
SEP 26...	<50	<20	--	<50	<10	<10	<10	<20	<10	530	380

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT 04...	--	110	100	--	--	--	--	--	--	--	<0.02
JAN 18...	--	470	110	--	--	--	--	--	--	--	<0.02
MAR 13...	<100	99	91	--	<20	<250	--	--	<20	8	<0.02
JUN 11...	<20	110	100	<20	<20	<20	28	<10	<20	<20	<0.02
SEP 26...	<10	60	50	--	<20	<20	--	--	<20	<20	<0.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 71 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

AVERAGE DISCHARGE.--48 years, 24.2 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143 ft^3/s Aug. 11, 1989, gage height, 2.09 ft, from rating curve extended above 90 ft^3/s; minimum, 2.8 ft^3/s Feb. 24, 1967, gage height, 0.73 ft; minimum daily, 6.2 ft^3/s Feb. 28, Mar. 3, 1967 (result of temporary construction upstream).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 106 ft^3/s Aug. 24, gage height, 1.91 ft, from rating curve extended above 80ft^3/s; minimum, 10 ft^3/s Dec. 4, Aug. 16; minimum gage height, 0.98 ft Dec. 4 (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	45	36	38	35	33	32	34	36	37	29	31
2	39	38	36	34	35	33	31	33	35	34	29	30
3	39	40	36	32	35	34	39	32	35	33	28	30
4	34	38	32	32	37	34	37	32	36	32	28	36
5	32	36	37	32	36	33	33	39	35	32	28	33
6	31	36	35	32	35	33	32	36	34	31	32	31
7	31	36	35	31	35	33	33	34	39	31	32	31
8	30	36	34	33	34	33	32	33	36	31	30	30
9	30	43	34	36	34	33	30	33	36	31	29	30
10	30	40	34	34	39	33	30	35	35	32	29	31
11	32	38	34	33	37	33	32	40	35	31	47	30
12	30	36	34	33	36	33	31	35	34	32	38	30
13	30	36	34	32	35	33	30	35	34	37	33	30
14	30	36	33	31	35	32	30	35	34	34	32	30
15	29	39	33	31	35	31	40	34	34	32	39	34
16	29	43	35	31	35	31	37	36	33	32	30	33
17	30	40	33	31	35	33	35	46	33	31	26	32
18	33	38	33	31	34	36	34	39	35	30	29	31
19	35	37	33	31	34	33	32	36	39	30	29	30
20	51	37	33	32	34	34	32	35	36	30	31	32
21	48	37	33	35	33	34	33	36	35	30	30	30
22	40	35	33	33	34	32	33	35	34	31	29	33
23	37	38	33	32	36	32	32	34	34	30	29	34
24	36	36	33	31	36	31	32	34	34	30	55	32
25	36	36	33	33	36	31	32	34	33	31	43	30
26	35	38	33	36	33	31	32	34	33	30	37	30
27	35	37	33	34	33	31	32	34	32	30	35	30
28	35	39	33	33	34	31	32	34	32	30	33	29
29	35	37	33	33	---	31	32	40	33	30	33	29
30	35	37	33	46	---	33	36	47	39	29	32	29
31	40	---	35	37	---	34	---	39	---	29	31	---
TOTAL	1068	1138	1049	1033	980	1012	988	1113	1043	973	1015	931
MEAN	34.5	37.9	33.8	33.3	35.0	32.6	32.9	35.9	34.8	31.4	32.7	31.0
MAX	51	45	37	46	39	36	40	47	39	37	55	36
MIN	29	35	32	31	33	31	30	32	32	29	26	29

CAL YR 1989 TOTAL 10251 MEAN 28.1 MAX 81 MIN 14
WTR YR 1990 TOTAL 12343 MEAN 33.8 MAX 55 MIN 26

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE.--December 1979 to September 1981.
WATER TEMPERATURES.--December 1979 to September 1981.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
* 04...	1000	34	108	6.1	12.5	--	8.1	--	--	--	--	--
NOV												
15...	1045	40	121	6.2	12.5	761	9.6	90	76	0.90	38	--
JAN												
* 18...	1200	32	131	6.1	8.0	--	11.1	--	--	--	--	--
MAR												
02...	0910	33	127	6.3	7.0	764	13.7	112	91	1.7	--	--
* 13...	1150	32	--	5.7	12.0	--	9.8	--	--	--	--	--
APR												
11...	0900	33	132	6.3	13.0	763	10.6	100	--	--	--	--
MAY												
16...	0730	34	150	6.8	18.0	770	9.6	100	68	0.50	39	41
JUN												
* 11...	1000	35	119	5.9	17.5	--	8.1	--	--	--	--	--
AUG												
15...	0820	31	99	6.7	20.0	769	8.8	96	78	1.0	53	78
SEP												
* 26...	0945	30	98	5.5	14.5	--	8.9	--	--	--	--	--

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	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)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT												
* 04...	7.3	2.9	10	1.0	--	10	18	--	--	--	--	<0.020
NOV												
15...	7.7	2.9	10	1.1	14	13	15	<0.10	11	<0.010	1.40	0.030
JAN												
* 18...	9.0	3.2	11	1.0	13	13	17	--	--	--	--	<0.020
MAR												
02...	8.1	3.2	11	1.3	14	14	16	<0.10	12	0.040	1.70	0.020
* 13...	7.5	2.9	10	1.1	--	11	14	--	--	--	--	<0.020
APR												
11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	8.0	3.0	10	0.90	15	13	16	<0.10	9.7	<0.010	1.20	0.030
JUN												
* 11...	7.7	3.0	10	0.90	13	10	16	--	--	--	--	<0.020
AUG												
15...	7.9	2.9	10	1.0	15	12	17	<0.10	9.9	<0.010	1.00	0.030
SEP												
* 26...	6.1	2.8	8.8	0.90	11	12	15	--	--	--	--	<0.020

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT												
* 04...	--	0.35	<0.010	<0.010	--	--	--	--	--	--	--	--
NOV												
15...	0.020	<0.20	0.010	<0.010	<0.010	<10	20	<1	21	<0.5	<1	1.0
JAN												
* 18...	--	0.16	0.055	0.035	--	--	--	--	--	--	--	--
MAR												
02...	0.030	0.20	0.020	<0.010	<0.010	460	<10	<1	20	<0.5	<1	<1.0
* 13...	--	--	<0.010	<0.010	--	--	<80	--	41	<1	--	<10
APR												
11...	--	--	--	--	--	40	--	--	--	--	<1	--
MAY												
16...	0.030	0.40	0.020	<0.010	<0.010	40	20	<1	19	<0.5	<1	<1.0
JUN												
* 11...	--	0.75	<0.010	<0.010	--	--	10	<20	38	<20	--	<20
AUG												
15...	0.040	0.30	0.040	<0.010	<0.010	30	20	<1	22	<0.5	<1	<1.0
SEP												
* 26...	--	0.37	<0.010	<0.010	--	--	<20	--	<50	<10	--	<10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT											
* 04...	--	--	--	--	670	170	--	--	--	70	40
NOV											
15...	1	<3	1	<1	270	160	1	<1	<4	70	51
JAN											
* 18...	--	--	--	--	80	170	--	--	--	370	60
MAR											
02...	<5	<3	3	<10	340	100	1	<10	<4	80	64
* 13...	<10	<20	--	<20	220	86	--	<100	--	60	53
APR											
11...	--	--	2	--	280	--	1	--	--	60	--
MAY											
16...	<1	<3	4	11	380	150	2	1	<4	80	61
JUN											
* 11...	<20	<20	--	<10	250	150	--	<20	--	40	--
AUG											
15...	<1	<3	3	1	300	160	1	1	<4	40	41
SEP											
* 26...	<10	<20	--	<10	170	140	--	<10	--	40	30

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT											
* 04...	--	--	--	--	--	--	--	--	--	--	--
NOV											
15...	<0.10	<0.1	<10	2	<1	<1	<1.0	38	<6	<10	25
JAN											
* 18...	--	--	--	--	--	--	--	--	--	--	--
MAR											
02...	<0.10	<0.1	<10	2	<10	<1	2.0	40	<6	<10	7
* 13...	--	--	--	--	<20	<250	--	--	<20	--	<5
APR											
11...	<0.10	--	--	1	--	--	--	--	--	<10	--
MAY											
16...	<0.10	<0.1	<10	2	1	<1	<1.0	38	<6	<10	150
JUN											
* 11...	--	--	<20	--	<20	<20	--	38	<20	--	--
AUG											
15...	<0.10	<0.1	<10	1	1	<1	<1.0	39	<6	<10	7
SEP											
* 26...	--	--	--	--	<20	<20	--	--	<20	--	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV					
15...	1045	40	2	0.22	95
MAR					
02...	0910	33	2	0.18	86
APR					
11...	0900	33	3	0.27	--
MAY					
16...	0730	34	1	0.09	54
AUG					
15...	0820	31	1	0.08	82

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

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

DRAINAGE AREA.--About 8.8 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2.84 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--44 years, 12.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77 ft^3/s Aug. 24, 1990, gage height, 2.71 ft, from rating curve extended above 55 ft^3/s; minimum, 0.06 ft^3/s Sept. 2, 1964, gage height, 0.02 ft (result of regulation); minimum daily, 4.3 ft^3/s Oct. 13, 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77 ft^3/s Aug. 24, gage height, 2.71 ft, from rating curve extended above 55 ft^3/s; minimum , 4.3 ft^3/s June 20, gage height, 0.60 ft (result of regulation); minimum gage height, 0.59 ft May 7 (result of regulation).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	21	15	16	13	14	14	12	16	12	11	16
2	20	15	14	12	13	14	13	11	16	21	11	16
3	17	18	15	12	12	14	21	10	16	16	11	17
4	14	15	15	12	15	14	16	11	17	14	11	17
5	14	15	15	12	13	14	14	16	15	13	11	15
6	14	16	15	11	13	14	14	12	14	13	15	15
7	14	16	14	11	13	13	16	11	19	13	13	16
8	14	17	14	14	13	13	14	11	15	13	12	15
9	14	22	14	15	13	13	13	12	15	15	11	15
10	14	18	14	13	18	13	13	14	15	13	11	16
11	15	16	14	12	15	13	15	14	13	13	21	13
12	14	15	15	12	14	14	13	11	14	13	15	13
13	13	15	14	11	14	14	12	12	11	18	13	13
14	13	15	14	11	14	13	12	12	11	13	13	13
15	13	19	14	12	14	14	21	11	11	13	12	15
16	14	20	15	12	14	14	14	16	11	14	12	13
17	14	17	14	11	14	13	13	23	11	12	12	14
18	15	15	14	11	13	16	12	14	13	12	11	13
19	16	15	13	11	14	14	11	13	9.3	12	15	13
20	28	15	13	12	14	15	11	13	18	12	13	14
21	21	15	13	14	13	14	13	14	18	13	11	13
22	15	15	13	12	14	13	12	14	14	12	10	18
23	14	16	12	12	16	13	12	14	13	12	11	16
24	14	15	12	11	16	13	11	14	13	12	40	14
25	14	15	12	13	15	13	12	14	12	13	27	13
26	14	16	12	15	14	13	12	13	11	12	20	13
27	14	16	12	12	14	13	11	12	17	15	19	14
28	14	16	12	12	14	13	12	12	13	12	18	13
29	15	15	12	14	---	13	12	21	16	12	20	13
30	16	15	12	22	---	16	16	25	16	12	19	13
31	21	---	14	14	---	14	---	17	---	12	17	---
TOTAL	476	489	421	394	392	424	405	429	423.3	412	466	432
MEAN	15.4	16.3	13.6	12.7	14.0	13.7	13.5	13.8	14.1	13.3	15.0	14.4
MAX	28	22	15	22	18	16	21	25	19	21	40	18
MIN	13	15	12	11	12	13	11	10	9.3	12	10	13

CAL YR 1989 TOTAL 4975.2 MEAN 13.6 MAX 35 MIN 8.2
WTR YR 1990 TOTAL 5163.3 MEAN 14.1 MAX 40 MIN 9.3

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

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 1989 TO SEPTEMBER 1990

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 04...	1330	14	120	6.2	12.0	10.1	7.2	2.4	11	1.4	--
JAN 17...	1530	11	125	5.9	9.0	12.0	7.8	2.4	11	1.3	13
MAR 13...	1410	13	--	6.1	12.0	12.6	6.9	2.2	10	1.5	--
JUN 11...	1230	14	130	6.3	16.5	10.4	7.5	2.5	12	1.7	13
SEP 26...	1230	13	91	6.2	14.0	9.7	5.5	2.2	9.1	1.2	12

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
OCT 04...	8.4	16	2.00	0.017	--	<0.020	0.48	0.46	0.044	<0.010	--
JAN 17...	10	15	--	--	2.20	0.120	0.16	<0.0	0.047	0.042	0.006
MAR 13...	9.0	14	--	--	2.10	0.040	0.30	0.18	0.048	<0.010	0.013
JUN 11...	9.0	16	--	--	1.80	0.050	1.0	0.97	<0.010	<0.010	<0.005
SEP 26...	9.5	15	--	--	2.20	0.040	0.66	0.51	<0.010	<0.010	0.006

DATE	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT 04...	--	--	--	--	--	--	--	--	--	140	100
JAN 17...	--	--	--	--	--	--	--	--	--	170	90
MAR 13...	<75	<10	--	39	<1	<10	<10	<20	<20	90	30
JUN 11...	26	<20	<20	35	<20	<20	<20	<20	<10	340	240
SEP 26...	<50	<50	--	<50	<10	<10	<10	<20	<10	90	60

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	TITANIUM, DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT 04...	--	40	40	--	--	--	--	--	--	--	<0.02
JAN 17...	--	140	170	--	--	--	--	--	--	--	<0.02
MAR 13...	<100	160	160	--	<20	<250	--	--	<20	11	<0.02
JUN 11...	<20	150	140	<20	<20	<20	41	<10	<20	<20	<0.02
SEP 26...	<10	20	20	--	<20	<20	--	--	<20	<20	<0.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

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

DRAINAGE AREA.--About 13.5 square miles.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 04...	1435	185	6.5	14.5	9.0	11	3.6	16	3.3	--	11
JAN 17...	1430	216	6.3	5.5	11.2	12	3.8	19	3.4	28	12
MAR 13...	1305	--	6.1	11.0	10.0	10	3.5	20	3.6	--	10
JUN 11...	1115	202	6.5	20.5	8.3	11	3.8	19	4.2	26	10
SEP 26...	1115	138	6.2	16.0	9.6	9.0	3.8	15	3.0	25	12

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT 04...	27	3.00	0.039	--	0.040	0.91	0.82	<0.010	<0.010	--	--
JAN 17...	30	--	--	2.70	1.18	1.0	1.0	0.037	0.041	<0.005	--
MAR 13...	31	--	--	2.80	1.00	0.76	0.39	0.034	<0.010	<0.005	<75
JUN 11...	28	--	--	2.70	0.640	1.4	1.5	<0.010	<0.010	<0.005	16
SEP 26...	27	--	--	3.30	0.080	0.80	0.70	<0.010	<0.010	0.005	<50

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
OCT 04...	--	--	--	--	--	--	--	--	450	330	--
JAN 17...	--	--	--	--	--	--	--	--	510	250	--
MAR 13...	<10	--	71	<1	<10	<10	<20	<20	370	160	<10
JUN 11...	<20	<20	46	<20	<20	<20	<20	<10	320	150	<20
SEP 26...	<20	--	<50	<10	<10	<20	<20	<10	230	180	<10

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	TITANIUM, DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT 04...	90	90	--	--	--	--	--	--	--	0.02
JAN 17...	420	510	--	--	--	--	--	--	--	<0.02
MAR 13...	530	500	--	<20	<25	--	--	<20	<5	<0.02
JUN 11...	240	210	11	<20	--	70	<10	<20	<20	<0.02
SEP 26...	60	60	--	<20	<20	--	--	<20	<20	<0.02

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 12 mi^2.

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

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 29.93 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--11 years, 6.29 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft^3/s Aug. 4, 1979, gage height, 1.56 ft; minimum, 0.36 ft^3/s July 15, 1980 (result of regulation), gage height, 0.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft^3/s Jan. 31, gage height 1.28 ft; minimum 7.3 ft^3/s Oct. 16, 17, Aug. 18, 19; minimum gage height, 0.57 ft Aug. 4, 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	15	11	12	15	11	11	11	13	13	8.5	10
2	12	13	11	9.7	e14	11	10	11	13	12	8.3	10
3	13	13	12	8.6	e13	11	16	11	12	11	8.1	9.9
4	11	12	11	8.7	e14	11	15	11	13	11	7.8	9.6
5	10	11	11	8.9	e13	11	13	13	12	11	7.8	9.3
6	10	11	11	8.7	e13	11	13	12	12	10	7.9	9.3
7	9.8	11	11	8.7	e13	11	13	11	13	9.6	8.4	9.4
8	8.4	11	11	9.5	e12	11	12	11	12	9.4	8.0	9.1
9	8.8	14	10	11	e12	11	12	11	12	9.6	7.8	8.9
10	9.1	13	10	10	e13	11	12	12	12	9.6	7.8	9.4
11	9.5	12	9.8	9.7	e13	11	12	14	12	9.5	11	9.1
12	9.0	12	9.8	9.5	e13	11	11	12	12	9.7	9.8	8.9
13	8.6	11	9.8	9.0	e13	11	11	12	11	13	8.7	8.9
14	8.1	11	9.6	8.7	12	11	11	11	11	11	8.5	8.8
15	7.7	13	9.4	8.8	12	10	16	11	11	10	8.1	14
16	7.5	13	9.9	8.7	12	10	14	13	11	9.9	7.8	12
17	7.8	13	9.6	8.6	12	10	13	19	11	9.4	7.6	11
18	8.8	12	9.5	8.7	12	12	13	15	13	9.1	7.4	10
19	9.5	12	9.2	8.6	12	11	12	14	15	9.1	9.2	10
20	18	12	9.3	8.8	12	11	12	13	13	9.0	9.7	11
21	19	12	9.2	9.9	12	11	12	13	12	9.1	8.5	10
22	14	11	9.2	9.6	12	10	12	13	11	9.4	8.1	11
23	13	12	9.1	9.4	12	10	12	13	11	9.2	8.1	12
24	12	11	9.1	9.5	12	10	11	12	11	9.5	19	11
25	12	11	9.2	e11	12	10	11	12	10	9.4	16	10
26	11	12	9.2	e11	11	10	11	12	10	9.1	13	10
27	11	12	9.1	e10	11	10	11	12	11	9.0	12	9.9
28	11	13	9.2	e10	11	10	11	12	11	9.0	11	9.7
29	11	12	9.0	e10	---	10	11	e14	11	9.0	12	9.6
30	10	12	9.0	e17	---	11	12	e17	13	8.7	11	9.3
31	13	---	10	15	---	11	---	14	---	8.6	10	---
TOTAL	332.6	363	306.2	307.3	348	331	366	392	355	305.9	296.9	301.1
MEAN	10.7	12.1	9.88	9.91	12.4	10.7	12.2	12.6	11.8	9.87	9.58	10.0
MAX	19	15	12	17	15	12	16	19	15	13	19	14
MIN	7.5	11	9.0	8.6	11	10	10	11	10	8.6	7.4	8.8

CAL YR 1989 TOTAL 2925.7 MEAN 8.02 MAX 20 MIN 1.9
WTR YR 1990 TOTAL 4005.0 MEAN 11.0 MAX 19 MIN 7.4

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 01308499.

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 National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--12 years, 27.8 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft^3/s Aug. 12, 1978, gage height, 2.78 ft, from flood marks; minimum recorded, 11 ft^3/s Aug. 8-14, Sept. 29 to Oct. 2, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft^3/s Aug. 24, gage height 2.61 ft; minimum 27 ft^3/s Mar. 26-30; minimum gage height, 2.13 ft Oct. 16, 17, Aug. 23, Sept. 9, 11-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	47	40	42	42	31	29	34	39	41	32	36
2	35	40	40	38	40	32	28	34	38	37	32	35
3	38	43	40	36	39	32	41	33	37	34	30	34
4	35	40	38	36	40	32	41	32	37	35	29	34
5	34	37	37	35	39	32	37	39	36	35	29	33
6	33	36	38	35	38	32	35	36	36	34	29	34
7	32	36	37	35	37	31	36	33	39	34	31	33
8	31	37	36	35	36	31	34	33	37	33	30	33
9	29	45	35	40	36	31	33	34	36	33	29	32
10	29	43	35	38	39	31	33	38	36	33	28	33
11	31	40	35	37	39	31	35	41	37	32	38	32
12	31	39	35	36	37	31	34	35	36	33	35	32
13	30	37	35	35	36	31	34	35	36	44	33	32
14	29	36	35	35	36	31	35	34	35	40	33	31
15	29	42	36	35	36	31	47	33	35	38	31	45
16	29	41	36	35	36	31	44	36	35	38	30	40
17	30	39	36	34	36	31	41	59	35	36	31	39
18	35	37	36	34	34	32	39	45	41	36	30	36
19	37	37	36	32	34	30	38	40	46	35	37	35
20	59	37	37	33	33	29	36	39	39	35	39	38
21	55	37	36	35	32	29	36	40	37	35	35	35
22	45	36	36	35	32	28	36	39	36	35	33	39
23	42	37	36	34	32	28	35	38	35	35	32	40
24	40	36	36	33	32	28	35	37	35	35	74	37
25	38	36	36	34	32	28	35	36	34	35	54	36
26	37	38	38	38	32	28	34	36	33	34	45	35
27	36	37	41	36	31	28	34	36	34	34	41	34
28	36	39	41	35	31	27	33	35	35	34	40	34
29	35	40	40	35	---	28	32	42	34	34	41	34
30	35	40	38	53	---	30	34	52	41	34	39	33
31	40	---	37	41	---	30	---	42	---	32	37	---
TOTAL	1104	1165	1148	1125	997	935	1074	1176	1100	1093	1107	1054
MEAN	35.6	38.8	37.0	36.3	35.6	30.2	35.8	37.9	36.7	35.3	35.7	35.1
MAX	59	47	41	53	42	32	47	59	46	44	74	45
MIN	29	36	35	32	31	27	28	32	33	32	28	31

CAL YR 1989 TOTAL 11518 MEAN 31.6 MAX 84 MIN 17
WTR YR 1990 TOTAL 13078 MEAN 35.8 MAX 74 MIN 27

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

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

DRAINAGE AREA.--About 24 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft above National Geodetic Vertical Datum of 1929.
Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi northeast of base gage at datum of 4.74 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 10, 1965, at datum 1.0 ft higher.

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

AVERAGE DISCHARGE.--47 years, 38.5 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft^3/s Oct. 16, 1955; minimum daily, 9.3 ft^3/s Nov. 25, 27, 1982 (result of regulation).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 120 ft^3/s Aug. 24; minimum daily, 36 ft^3/s Aug. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	69	53	e58	60	49	48	51	55	69	41	47
2	53	58	50	e53	57	49	48	48	53	64	39	46
3	56	60	51	e49	57	49	70	47	53	59	38	44
4	48	56	48	e47	57	49	74	47	53	54	38	44
5	46	53	48	46	57	48	61	58	51	50	38	44
6	45	53	48	46	54	49	57	53	50	48	40	44
7	44	52	48	45	53	48	57	50	53	47	43	44
8	42	53	47	47	52	48	55	48	49	45	39	42
9	41	64	46	56	52	48	53	48	48	45	38	42
10	41	63	47	53	56	50	52	53	48	46	37	43
11	42	56	48	50	54	49	55	64	53	43	52	42
12	42	54	47	49	53	49	52	53	57	45	49	41
13	41	52	47	47	53	48	50	51	55	63	43	41
14	40	52	47	45	52	47	48	50	54	51	41	41
15	40	63	47	45	52	47	69	49	54	47	38	53
16	40	64	49	45	53	47	63	53	53	46	37	51
17	42	58	47	43	51	48	58	91	53	43	37	49
18	48	54	47	44	49	53	55	70	56	42	36	44
19	54	52	47	44	49	49	52	60	80	41	45	44
20	87	53	47	43	49	50	51	57	62	40	52	46
21	87	52	47	48	49	49	52	58	58	42	47	43
22	67	50	47	48	49	47	51	56	56	46	44	48
23	60	53	47	45	53	48	50	54	56	44	43	51
24	56	52	47	44	53	47	49	53	55	45	120	46
25	54	51	47	49	52	47	50	52	54	45	90	43
26	53	52	46	55	49	46	49	52	52	42	63	43
27	52	52	46	52	48	45	49	51	51	41	57	41
28	51	54	45	50	49	46	49	50	54	41	55	41
29	51	51	45	52	---	46	48	59	53	41	54	40
30	52	49	45	80	---	49	51	80	68	41	51	40
31	57	---	48	60	---	50	---	62	---	41	49	---
TOTAL	1575	1655	1469	1538	1472	1494	1626	1728	1647	1457	1494	1328
MEAN	50.8	55.2	47.4	49.6	52.6	48.2	54.2	55.7	54.9	47.0	48.2	44.3
MAX	87	69	53	80	60	53	74	91	80	69	120	53
MIN	40	49	45	43	48	45	48	47	48	40	36	40

CAL YR 1989 TOTAL 16715 MEAN 45.8 MAX 126 MIN 28
WTR YR 1990 TOTAL 18483 MEAN 50.6 MAX 120 MIN 36

e Estimated

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAR											
14...	0920	24	--	6.2	12.5	10.2	6.8	3.2	12	1.1	--
JUN											
11...	1345	23	275	7.1	19.0	12.0	8.3	5.7	33	1.9	18
SEP											
26...	1500	24	97	6.1	15.5	10.0	5.6	3.0	8.7	1.4	16

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
MAR											
14...	8.0	19	--	--	2.00	0.020	0.17	<0.05	<0.010	<0.010	0.007
JUN											
11...	13	61	--	--	1.80	<0.020	0.07	1.0	<0.010	<0.010	<0.005
SEP											
26...	9.0	16	--	--	2.10	0.020	0.50	0.41	<0.010	<0.010	<0.005

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
MAR											
14...	--	--	--	--	--	--	--	--	--	120	60
JUN											
11...	30	<20	<20	24	<20	<20	<20	<20	<10	--	220
SEP											
26...	<50	<50	--	<50	<10	<10	<10	<20	<10	150	90

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
MAR											
14...	--	67	64	--	--	--	--	--	--	--	<0.02
JUN											
11...	<20	--	49	<20	<20	<20	65	<10	<20	<20	<0.02
SEP											
26...	<10	30	30	--	<20	<20	--	--	<20	<20	<0.02

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01306495 (Supplementary gage): Water years 1967-1976, 1978-1979, 1988 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAR 24...	1100	7.9	--	--	--	--	7.0	3.3	8.5	1.2	--
JUN 22...	1420	6.0	108	9.0	25.0	12.1	6.5	3.0	9.0	1.7	19

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
MAR 24...	8.0	11	1.90	0.007	--	0.040	<0.05	<0.05	<0.010	<0.010	0.006
JUN 22...	8.3	14	1.30	0.026	--	0.050	0.96	0.50	0.106	0.070	0.011

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
MAR 24...	--	--	--	--	--	--	--	--	--	100	100
JUN 22...	--	--	--	--	--	--	--	--	--	400	300

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
MAR 24...	--	130	--	--	--	--	--	--	--	--	<0.02
JUN 22...	--	330	--	--	--	--	--	--	--	--	0.03

FOOTNOTE: Data not previously published.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

01306495 (Supplementary gage)

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN											
10...	1130	18	109	7.5	5.0	10.4	7.0	2.8	8.7	1.3	--
JUN											
27...	1415	25	117	5.9	22.0	11.2	6.8	3.0	11	1.2	12

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JAN											
10...	8.3	13	1.90	0.014	--	0.030	--	--	--	--	<0.005
JUN											
27...	7.6	18	1.80	0.010	--	0.040	<0.05	<0.05	<0.010	<0.010	0.008

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JAN											
10...	--	--	--	--	--	--	--	--	--	120	100
JUN											
27...	--	--	--	--	--	--	--	--	--	190	130

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
JAN											
10...	--	70	60	--	--	--	--	--	--	--	<0.02
JUN											
27...	--	60	70	--	--	--	--	--	--	--	0.02

FOOTNOTE: Data not previously published.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

01306495 (Supplementary gage)

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
JAN 18...	1325	20	132	6.0	8.5	10.3	8.4	3.5	11	1.3	15
MAR 14...	1040	23	--	5.9	13.0	9.9	7.3	3.2	10	1.3	--
JUN 11...	1500	28	144	7.2	16.0	13.3	7.7	3.5	12	1.8	17
SEP 26...	1345	19	97	6.2	15.5	11.3	6.5	3.3	10	1.4	16

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JAN 18...	8.6	17	--	--	2.40	0.020	<0.05	<0.05	0.047	0.031	0.009
MAR 14...	9.0	16	--	--	2.40	0.030	0.17	0.15	0.033	<0.010	0.008
JUN 11...	8.0	17	--	--	2.30	<0.020	1.4	1.1	<0.010	<0.010	<0.005
SEP 26...	8.3	17	--	--	2.20	0.040	0.67	0.68	0.039	<0.010	0.019

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JAN 18...	--	--	--	--	--	--	--	--	--	50	130
MAR 14...	--	--	--	--	--	--	--	--	--	100	50
JUN 11...	30	<20	<20	31	<20	<20	<20	<20	<10	150	120
SEP 26...	<50	<50	--	<50	<10	<10	<10	<20	<10	130	80

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
JAN 18...	--	140	40	--	--	--	--	--	--	--	<0.02
MAR 14...	--	95	80	--	--	--	--	--	--	--	<0.02
JUN 11...	<20	81	78	<20	<20	<20	52	<20	<20	<20	<0.02
SEP 26...	<10	30	30	--	<20	<20	--	--	<20	<20	<0.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

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

DRAINAGE AREA.--About 6.5 square miles.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 05...	1400	284	5.7	12.0	6.9	14	4.4	31	2.4	--	17
JAN 17...	1330	106	5.8	11.5	8.2	15	4.4	30	2.3	19	20
MAR 14...	1215	--	5.5	14.0	8.8	13	3.9	29	2.0	--	21
JUN 13...	1300	307	5.7	17.0	7.0	14	4.2	34	1.4	20	19
SEP 27...	0915	212	5.3	13.0	5.7	12	4.9	29	1.9	15	22

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT 05...	51	3.60	0.040	--	0.050	0.31	0.32	<0.010	<0.010	--	--
JAN 17...	50	--	--	3.30	0.410	0.35	0.30	0.046	0.033	<0.005	--
MAR 14...	52	--	--	3.30	0.360	0.31	0.40	0.042	<0.010	0.007	<75
JUN 13...	58	--	--	3.60	0.280	1.0	0.70	--	--	0.006	23
SEP 27...	54	--	--	3.40	0.220	0.71	0.67	<0.010	<0.010	<0.005	<50

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
OCT 05...	--	--	--	--	--	--	--	--	160	120	--
JAN 17...	--	--	--	--	--	--	--	--	560	220	--
MAR 14...	<10	--	53	<1	<10	<10	<20	<20	410	220	<100
JUN 13...	<20	<20	48	<20	<20	<20	<20	<10	300	100	<20
SEP 27...	<50	--	<50	<10	<10	<10	<20	<10	170	120	<10

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	TITANIUM, DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT 05...	350	340	--	--	--	--	--	--	--	<0.02
JAN 17...	420	560	--	--	--	--	--	--	--	<0.02
MAR 14...	450	470	--	<20	<250	--	--	<20	6	<0.02
JUN 13...	380	370	13	<20	<20	120	<10	<20	<20	<0.02
SEP 27...	500	440	--	<20	<20	--	--	<20	<20	<0.02

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

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

DRAINAGE AREA.--About 5 square miles.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 05...	1300	294	6.0	12.5	7.2	17	4.0	32	2.8	--	22
JAN 17...	1230	315	6.1	11.0	8.3	18	4.0	32	2.9	23	26
MAR 14...	1405	--	5.6	14.5	9.4	15	3.3	29	3.6	--	26
JUN 13...	1150	299	6.0	14.0	8.5	17	3.8	31	2.1	24	24
SEP 27...	0800	197	5.8	13.5	7.6	15	4.4	29	2.1	24	25

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT 05...	48	3.80	0.022	--	0.160	0.90	0.82	<0.010	<0.010	--	--
JAN 17...	52	--	--	3.90	0.500	0.49	0.54	0.041	0.044	<0.005	--
MAR 14...	53	--	--	3.80	0.440	0.95	0.97	0.039	0.033	0.009	<75
JUN 13...	50	--	--	3.90	0.420	0.28	0.86	--	--	<0.005	22
SEP 27...	46	--	--	3.40	0.350	0.74	0.79	<0.010	<0.010	<0.005	<50

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
OCT 05...	--	--	--	--	--	--	--	--	690	250	--
JAN 17...	--	--	--	--	--	--	--	--	1200	250	--
MAR 14...	<10	--	61	<1	<0.00	<10	<20	<20	330	150	<100
JUN 13...	<20	<20	56	<20	<20	<20	<20	<20	400	230	<20
SEP 27...	<50	--	<100	<10	<10	<10	<20	<10	670	170	<10

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	TITANIUM, DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT 05...	1400	1300	--	--	--	--	--	--	--	<0.02
JAN 17...	500	1200	--	--	--	--	--	--	--	<0.02
MAR 14...	920	910	--	<20	<25	--	--	<20	26	0.04
JUN 13...	1000	990	12	<20	<20	100	<10	<20	<20	0.02
SEP 27...	1100	920	--	<20	<20	--	--	<20	<20	0.02

01308000 SAMPAWAMS CREEK AT BABYLON, NY

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

DRAINAGE AREA.--About 23 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--46 years, 9.79 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft^3/s May 16, 1989, gage height, 2.67 ft, from rating curve extended above 110 ft^3/s; maximum gage height, 3.28 ft Feb. 7, 1971; minimum discharge, 1.3 ft^3/s Sept. 13, 14, 1986, gage height, 0.21 ft (result of regulation); minimum gage height, 0.13 ft June 28, 1963 (datum then in use).

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. 20	0415	97	1.60	June 18	1930	89	1.53
Oct. 31	1945	99	1.62	Aug. 19	1415	123	1.93
Jan. 30	0230	112	1.79	Aug. 24	0730	*160	*2.40
May 16	2345	138	2.11				

Minimum discharge, 6.4 ft^3/s June 25, gage height, 0.51 ft (result of regulation); minimum gage height, 0.42 ft Jan. 23, July 7-9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	28	17	15	17	12	11	17	17	16	10	13
2	23	20	17	9.0	17	13	11	14	16	13	9.5	14
3	19	22	17	7.7	16	13	35	13	17	12	9.7	14
4	15	18	16	7.7	19	12	21	14	17	12	9.7	13
5	14	17	17	7.3	17	12	15	23	14	11	9.7	13
6	14	17	16	7.5	16	13	14	16	14	10	13	13
7	13	17	16	7.3	16	12	17	14	19	9.9	12	13
8	13	18	14	13	15	12	14	13	15	10	10	13
9	13	24	12	14	15	12	13	13	16	18	9.5	12
10	12	19	12	11	19	12	14	23	15	13	9.2	12
11	14	18	12	9.3	17	12	15	20	16	11	19	12
12	13	16	11	9.1	15	12	13	16	16	10	13	12
13	12	15	11	8.7	15	11	12	15	15	19	11	12
14	12	16	11	8.3	15	11	13	14	15	12	10	12
15	12	20	12	9.0	15	11	31	14	15	11	9.7	23
16	12	22	13	8.8	15	11	19	29	15	10	9.6	15
17	14	18	11	8.4	14	12	16	49	14	9.6	9.3	14
18	17	16	10	8.5	13	15	15	23	24	9.4	9.6	12
19	21	16	10	8.8	13	12	15	19	19	9.5	38	12
20	63	17	10	10	13	13	15	18	13	9.3	20	13
21	30	16	10	12	13	12	16	19	11	13	13	12
22	21	17	9.5	11	14	11	15	18	12	13	12	18
23	19	18	9.2	9.7	15	11	14	17	11	11	12	15
24	18	16	9.2	9.6	16	11	14	17	11	14	78	13
25	18	17	8.9	18	14	11	15	16	11	11	23	12
26	17	17	8.9	18	13	11	17	16	11	11	17	11
27	16	16	8.5	14	13	11	15	15	11	10	15	11
28	17	18	8.7	13	12	10	14	15	12	10	14	11
29	17	17	8.6	18	---	10	13	38	13	9.7	16	11
30	17	17	8.7	43	---	14	29	33	16	9.8	15	12
31	33	---	14	20	---	12	---	20	---	9.8	13	---
TOTAL	561	543	369.2	374.7	422	367	491	601	441	358.0	479.5	393
MEAN	18.1	18.1	11.9	12.1	15.1	11.8	16.4	19.4	14.7	11.5	15.5	13.1
MAX	63	28	17	43	19	15	35	49	24	19	78	23
MIN	12	15	8.5	7.3	12	10	11	13	11	9.3	9.2	11

CAL YR 1989 TOTAL 5770.2 MEAN 15.8 MAX 78 MIN 5.8
WTR YR 1990 TOTAL 5400.4 MEAN 14.8 MAX 78 MIN 7.3

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 05...	1130	14	216	5.9	12.5	5.6	16	3.2	18	3.2	--
JAN 17...	1130	8.4	229	5.8	9.0	4.3	15	3.4	19	3.0	25
MAR 15...	1305	11	--	4.7	13.5	8.4	14	3.4	20	3.4	--
JUN 13...	1030	14	236	5.9	16.5	6.8	15	3.5	18	2.7	30
SEP 27...	1030	11	158	5.6	15.5	5.4	13	3.6	16	2.8	22

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
OCT 05...	20	28	2.60	0.056	--	0.220	1.3	1.0	<0.010	<0.010	--
JAN 17...	26	28	--	--	2.50	1.14	1.1	1.0	0.040	<0.010	<0.005
MAR 15...	27	28	--	--	2.90	1.00	1.0	0.69	0.042	<0.010	0.006
JUN 13...	24	28	--	--	2.60	0.640	1.7	1.7	--	--	<0.005
SEP 27...	26	25	--	--	2.70	0.330	0.86	0.86	<0.010	<0.010	0.006

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 05...	--	--	--	--	--	--	--	--	--	1200	1200
JAN 17...	--	--	--	--	--	--	--	--	--	1000	600
MAR 15...	<75	--	--	56	--	<10	<10	<20	<20	920	610
JUN 13...	21	<20	<20	42	<20	<20	<20	<20	<20	1200	900
SEP 27...	<50	<50	--	<50	<10	<10	<10	<20	<10	610	530

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT 05...	--	600	600	--	--	--	--	--	--	--	0.02
JAN 17...	--	1300	1300	--	--	--	--	--	--	--	0.02
MAR 15...	<100	1200	1200	--	<20	<250	--	--	<20	<20	0.05
JUN 13...	<20	620	610	<20	<20	<20	90	<10	<20	<20	0.04
SEP 27...	<10	490	440	--	<20	<20	--	--	<20	<20	0.04

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated period, which are fair. Occasional regulation at outlet of Southards Pond.

AVERAGE DISCHARGE.--46 years, 26.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 300 ft^3/s Aug. 24, 1990, gage height, 2.39 ft, from rating curve extended above 190 ft^3/s; minimum, 0.05 ft^3/s Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily, 4.5 ft^3/s July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 300 ft^3/s Aug. 24, gage height, 2.39 ft, from rating curve extended above 190 ft^3/s; minimum, 20 ft^3/s Aug. 5, 17-19; minimum gage height, 0.64 ft Aug. 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	83	31	e50	43	29	29	40	45	38	26	37
2	48	46	30	31	41	29	28	34	42	30	22	36
3	44	49	31	29	40	28	69	32	40	26	21	41
4	32	41	29	28	43	27	50	31	45	25	21	33
5	30	38	29	27	41	26	37	51	37	24	20	33
6	29	37	29	26	38	28	36	37	36	23	28	32
7	28	36	29	26	38	27	41	33	46	22	27	31
8	26	36	28	31	36	27	35	32	37	22	23	29
9	26	53	28	48	36	27	33	31	39	35	21	28
10	25	45	28	35	43	27	32	39	35	42	21	29
11	29	38	28	32	41	27	36	55	34	27	42	28
12	26	36	28	31	36	27	33	36	35	26	29	27
13	25	34	28	29	35	26	31	35	34	44	24	27
14	24	34	27	28	34	26	30	33	32	30	24	27
15	24	44	27	29	34	26	73	31	31	28	22	57
16	24	48	30	28	34	26	47	44	30	26	21	37
17	26	42	28	27	34	26	40	130	29	24	21	36
18	35	36	27	27	33	37	38	58	35	24	20	29
19	40	35	27	26	33	29	35	49	40	23	77	28
20	118	35	27	28	33	31	34	45	30	23	71	34
21	78	34	27	35	32	30	37	45	28	25	36	28
22	50	32	27	31	32	27	35	41	30	38	31	39
23	43	34	27	28	34	27	33	39	28	28	30	39
24	40	33	27	28	36	26	31	38	26	33	196	30
25	38	33	27	40	34	26	32	37	25	32	99	27
26	36	35	27	49	30	26	34	36	25	25	57	28
27	35	33	27	39	30	25	31	35	25	24	50	26
28	34	37	27	35	30	25	30	34	29	24	46	26
29	33	33	27	36	---	24	29	63	26	23	52	25
30	32	32	27	100	---	33	63	98	37	23	44	25
31	53	---	e30	49	---	32	---	52	---	23	39	---
TOTAL	1159	1182	869	1086	1004	857	1142	1394	1011	860	1261	952
MEAN	37.4	39.4	28.0	35.0	35.9	27.6	38.1	45.0	33.7	27.7	40.7	31.7
MAX	118	83	31	100	43	37	73	130	46	44	196	57
MIN	24	32	27	26	30	24	28	31	25	22	20	25

CAL YR 1989 TOTAL 12712 MEAN 34.8 MAX 186 MIN 14
WTR YR 1990 TOTAL 12777 MEAN 35.0 MAX 196 MIN 20

e Estimated

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 05...	1000	30	207	6.0	11.5	8.6	12	3.0	18	2.7	--
JAN 17...	1030	26	253	6.2	4.0	10.6	15	3.4	24	3.0	24
MAR 15...	1140	26	--	4.9	12.0	8.5	13	3.2	24	3.1	--
JUN 13...	0915	34	211	6.0	17.0	7.4	13	3.1	20	2.1	22
SEP 27...	1145	26	154	5.3	16.5	7.1	11	3.1	16	2.5	12

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
OCT 05...	23	27	2.70	0.039	--	0.220	1.3	1.3	0.060	0.042	--
JAN 17...	30	33	--	--	2.90	1.47	1.7	1.5	0.034	<0.010	<0.005
MAR 15...	31	32	--	--	3.20	0.930	0.86	0.64	0.036	<0.010	<0.005
JUN 13...	27	27	--	--	3.10	0.570	1.5	1.4	--	--	<0.005
SEP 27...	30	24	--	--	3.50	0.180	0.56	0.60	<0.010	<0.010	<0.005

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 05...	--	--	--	--	--	--	--	--	--	420	260
JAN 17...	--	--	--	--	--	--	--	--	--	520	250
MAR 15...	<75	--	--	51	--	<10	<10	<20	<20	480	180
JUN 13...	19	<20	<20	44	<20	<20	<20	<20	<20	350	150
SEP 27...	<50	<50	--	<50	<10	<10	<10	<20	<20	210	130

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	TI-TANIUM, DIS-SOLVED (UG/L AS TI) (01150)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
OCT 05...	--	650	650	--	--	--	--	--	--	--	0.02
JAN 17...	--	1300	1200	--	--	--	--	--	--	--	0.04
MAR 15...	<100	1100	1100	--	<20	<250	--	--	<20	16	0.03
JUN 13...	<20	800	760	<20	<20	<20	80	<10	<20	<20	0.02
SEP 27...	<10	420	360	--	<20	<20	--	--	<20	<20	0.03

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

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

DRAINAGE AREA.--About 7 square miles.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 05...	0845	354	6.4	11.0	6.5	24	5.1	34	6.0	--	25
JAN 17...	0930	344	6.2	7.0	8.5	22	4.6	31	4.8	52	34
MAR 15...	1425	--	6.1	16.5	7.9	22	4.3	32	5.4	--	33
JUN 13...	0800	397	6.5	13.5	6.4	24	5.1	40	7.4	90	27
SEP 27...	1300	251	6.2	14.5	5.2	22	5.6	29	5.3	66	38

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT 05...	52	1.20	0.021	--	2.60	3.1	3.2	<0.010	<0.010	--	--
JAN 17...	51	--	--	1.10	2.34	2.5	2.1	0.061	<0.010	<0.005	--
MAR 15...	50	--	--	1.10	1.80	1.9	1.7	0.058	0.033	<0.005	<75
JUN 13...	62	--	--	1.00	3.70	4.1	4.2	--	--	<0.005	22
SEP 27...	44	--	--	0.980	1.50	2.6	2.5	0.033	<0.010	0.010	<50

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
OCT 05...	--	--	--	--	--	--	--	--	800	360	--
JAN 17...	--	--	--	--	--	--	--	--	810	1000	--
MAR 15...	--	--	67	--	<10	<10	<20	<20	1300	550	<100
JUN 13...	<20	33	75	<20	<20	<20	<20	<20	860	490	<20
SEP 27...	<50	--	<100	<10	<10	<10	<20	<10	920	490	<10

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	TITANIUM, DISSOLVED (UG/L AS TI) (01150)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
OCT 05...	3400	3300	--	--	--	--	--	--	--	0.03
JAN 17...	3000	2900	--	--	--	--	--	--	--	0.03
MAR 15...	2600	2600	--	<20	<25	--	--	<20	<5	0.04
JUN 13...	2900	2800	16	<20	<20	140	<10	<20	<20	0.04
SEP 27...	3000	2600	--	<20	<20	--	--	<20	<20	0.05

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

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

DRAINAGE AREA.--About 38 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--53 years (1937-90), 10.8 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft^3/s July 29, 1980, gage height, 2.40 ft, from rating curve extended above 200 ft^3/s; minimum, 0.48 ft^3/s Nov. 21, 1987, gage height, 0.57 ft (result of regulation); minimum gage height, 0.32 ft Aug. 1, 1954, datum then in use.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 20	0515	213	1.82	May 17	0115	241	1.89
Oct. 31	2030	165	1.70	May 29	2045	131	1.58
Jan. 30	0215	128	1.57	Aug. 19	1415	271	1.96
Apr. 15	0645	137	1.61	Aug. 24	(a)	*419	*2.25
May 10	2030	120	1.54				

(a) From floodmarks

Minimum discharge, 2.6 ft^3/s Aug. 2-5, gage height, 0.65 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	22	7.9	15	9.4	6.2	6.6	8.4	11	15	3.2	8.3
2	e25	13	7.8	7.7	8.7	6.3	6.7	7.2	10	7.3	3.1	12
3	e9.6	15	8.0	6.8	8.3	6.4	41	6.7	10	5.9	3.1	14
4	7.5	11	7.5	6.4	11	6.1	12	7.1	12	5.6	3.0	7.7
5	7.0	11	7.7	6.4	8.8	5.9	9.8	18	8.9	5.1	3.0	7.5
6	6.6	10	7.7	6.3	8.2	6.7	9.0	9.5	8.5	4.7	12	7.1
7	6.1	10	7.0	5.6	8.1	6.1	11	11	15	4.6	6.2	7.0
8	5.8	12	6.9	14	7.9	6.1	8.0	9.1	8.7	4.4	4.1	6.5
9	5.8	25	6.8	14	7.8	6.3	7.4	7.0	13	11	3.9	6.3
10	6.2	13	6.8	8.0	12	6.4	7.1	31	8.6	6.5	3.6	6.6
11	8.3	11	6.7	7.2	8.4	6.3	9.6	17	13	5.1	16	6.1
12	5.6	10	6.7	6.8	7.9	6.2	7.6	9.7	8.8	5.1	6.4	6.2
13	5.4	9.7	7.1	6.2	7.5	6.0	7.0	9.4	8.1	14	4.8	6.2
14	5.3	9.9	7.2	5.8	7.4	5.4	6.7	8.1	8.4	5.7	5.2	6.1
15	5.1	14	7.2	6.3	7.3	5.3	48	6.9	8.2	5.6	4.0	20
16	5.2	17	8.2	5.9	7.7	5.4	12	26	7.8	5.0	3.7	7.3
17	6.6	11	6.8	5.8	7.2	6.3	11	69	7.6	4.4	3.7	9.9
18	9.4	10	6.7	5.8	6.5	12	9.2	17	7.6	3.9	5.1	6.5
19	14	9.1	6.7	5.6	6.7	6.2	8.1	12	7.6	3.7	75	7.9
20	92	9.7	6.7	7.0	6.3	19	8.0	11	7.0	3.5	14	9.9
21	21	9.1	6.3	8.9	6.3	8.4	9.7	12	7.2	5.3	9.3	6.5
22	14	8.2	5.9	6.4	6.6	6.9	8.2	9.8	6.6	5.8	7.7	17
23	12	8.8	5.8	5.9	7.6	6.6	8.0	9.1	6.7	4.0	7.0	8.9
24	11	8.3	5.8	5.8	9.0	6.1	7.7	8.8	6.5	6.8	e160	7.5
25	10	8.5	5.8	16	7.1	5.8	9.0	8.4	5.9	4.3	e20	6.8
26	9.8	9.5	5.8	15	6.2	5.8	7.9	8.9	5.6	3.6	15	6.6
27	9.4	8.4	5.8	8.5	6.1	5.7	7.4	8.2	5.7	3.5	13	6.6
28	9.2	12	5.8	7.5	6.3	5.7	7.1	8.0	6.0	3.6	11	6.2
29	8.6	8.4	6.1	11	---	5.6	6.9	48	5.8	3.4	13	5.8
30	8.3	8.1	6.3	38	---	12	18	30	9.5	3.3	10	6.0
31	43	---	14	11	---	7.3	---	14	---	3.2	8.8	---
TOTAL	398.9	342.7	217.5	286.6	218.3	216.5	335.7	466.3	255.3	172.9	457.9	247.0
MEAN	12.9	11.4	7.02	9.25	7.80	6.98	11.2	15.0	8.51	5.58	14.8	8.23
MAX	92	25	14	38	12	19	48	69	15	15	160	20
MIN	5.1	8.1	5.8	5.6	6.1	5.3	6.6	6.7	5.6	3.2	3.0	5.8

CAL YR 1989 TOTAL 3551.4 MEAN 9.73 MAX 92 MIN 2.3
WTR YR 1990 TOTAL 3615.6 MEAN 9.91 MAX 160 MIN 3.0

e Estimated

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
30...	0930	8.1	254	6.1	4.5	758	10.5	18	3.3	24
FEB										
13...	0940	7.7	259	6.1	7.5	770	11.9	18	3.5	25
APR										
20...	0915	8.1	251	6.3	13.0	786	11.2	18	3.4	24
JUL										
09...	0815	4.5	274	6.5	20.0	768	6.5	18	3.7	23

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
30...	3.1	27	29	35	<0.10	8.4	--	0.030	3.20	0.620
FEB										
13...	3.5	21	30	39	<0.10	8.4	0.031	0.020	3.40	0.600
APR										
20...	2.8	23	26	38	<0.10	7.8	0.035	0.020	3.10	0.460
JUL										
09...	3.3	26	26	37	0.20	6.6	0.046	0.040	2.60	0.120

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV										
30...	0.620	1.1	1.0	0.030	0.009	0.020	410	--	960	0.06
FEB										
13...	0.620	1.1	1.3	0.020	0.033	<0.010	270	100	180	0.09
APR										
20...	0.450	0.50	0.60	0.020	0.005	0.020	380	85	800	0.06
JUL										
09...	0.120	1.0	0.30	0.020	0.001	<0.010	300	110	360	0.06

01310000 BELLMORE CREEK AT BELLMORE, NY

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

DRAINAGE AREA.--About 17 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft above National Geodetic Vertical Datum of 1929. June to October 1883, determination of flow by various methods at different site and datum. July to October 1903, nonrecording gages on two channels near present site at different datum. Sept. 23, 1937, to Aug. 1, 1958, water-stage recorder with concrete control on right bank of present secondary channel about 1,000 ft east at datum 1.88 ft higher (used as supplementary gage since Aug. 1, 1958).
Supplementary gage (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 National Geodetic Vertical Datum of 1929. Prior to July 28, 1965, at datum 2.00 ft higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft higher.

REMARKS.--Records good except for estimated period, Aug. 19, 24, which are poor. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi above station, and prior to November 1953 by Browning Pond, 0.5 mi above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--53 years (1937-90), 9.63 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (1903 and SINCE 1937).--Maximum daily discharge, 162 ft^3/s Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft^3/s June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 2.57 ft June 1, 1952, datum then in use; no flow July 24, 25, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 110 ft^3/s Aug. 24; minimum daily, 2.2 ft^3/s Aug. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	15	5.4	10	5.5	4.0	4.0	6.4	9.2	9.0	3.1	7.9
2	15	9.1	5.7	6.2	5.3	4.4	3.9	5.6	8.5	4.9	2.7	16
3	6.1	9.2	6.0	5.0	4.8	4.3	31	5.0	9.5	4.3	2.6	13
4	4.6	7.2	5.4	5.8	7.0	3.5	6.9	5.5	9.5	4.0	2.4	7.3
5	4.3	6.9	5.5	5.6	5.1	3.4	5.1	16	7.3	3.7	2.2	7.1
6	4.1	6.9	5.7	5.0	4.7	3.8	4.8	6.4	7.1	3.4	11	7.0
7	3.9	7.0	5.2	4.5	4.7	3.5	6.7	5.4	12	3.3	4.6	6.8
8	3.7	7.7	5.4	14	4.4	3.7	4.6	5.0	7.5	3.2	3.4	6.2
9	3.5	15	5.2	11	4.4	3.7	4.2	4.9	12	7.7	3.2	6.0
10	3.5	7.9	5.2	6.1	7.7	3.5	4.4	42	7.2	4.9	3.1	7.0
11	3.9	6.3	5.1	5.2	4.9	3.2	5.6	20	11	4.2	14	6.5
12	3.5	5.9	5.0	5.7	4.3	3.2	4.0	8.1	7.5	4.3	4.9	5.2
13	3.4	5.7	5.0	4.3	4.2	3.1	3.9	8.0	6.5	11	4.1	5.3
14	3.2	5.7	4.9	4.3	4.5	3.0	3.9	7.3	6.2	4.5	4.2	5.1
15	3.2	e8.3	5.0	5.4	4.3	3.0	38	6.4	6.2	4.3	3.6	18
16	3.1	17	5.3	5.1	4.3	3.1	6.9	26	5.8	4.0	3.5	6.0
17	3.7	8.7	4.7	4.2	3.9	3.8	6.9	53	5.3	3.8	9.9	6.4
18	4.4	7.4	4.7	4.3	3.9	6.4	6.1	16	5.4	3.7	5.7	5.1
19	6.8	7.3	4.7	4.0	4.1	3.4	5.5	11	5.3	3.4	e40	7.3
20	76	7.8	4.5	5.6	3.7	23	5.7	9.5	5.1	3.4	18	7.2
21	13	7.2	4.4	5.6	4.0	5.9	6.9	11	5.0	4.3	10	5.1
22	7.8	6.5	4.1	4.7	4.4	4.3	5.9	9.0	5.0	4.0	8.5	14
23	7.2	6.8	4.1	6.1	4.4	4.2	5.4	8.4	4.8	3.8	7.7	7.3
24	6.7	6.5	4.0	4.3	5.3	3.9	5.0	8.3	4.5	7.9	e110	5.5
25	6.2	7.1	4.0	13	4.3	3.9	6.0	7.5	4.2	3.9	14	5.3
26	5.9	7.8	3.9	13	4.0	3.7	5.4	8.4	4.2	3.6	11	5.0
27	5.7	6.7	3.7	6.3	4.1	3.7	5.0	7.4	4.2	3.4	10	4.9
28	5.5	8.1	3.7	5.3	4.0	3.6	4.9	7.0	4.0	3.4	9.4	4.8
29	5.4	5.7	3.8	8.5	---	3.4	9.4	42	4.1	3.4	12	4.8
30	5.2	5.7	3.8	22	---	7.1	22	23	6.0	3.3	9.5	4.8
31	33	---	7.8	6.0	---	4.6	---	10	---	3.4	8.4	---
TOTAL	265.0	240.1	150.9	216.1	130.2	141.3	238.0	409.5	200.1	139.4	356.7	217.9
MEAN	8.55	8.00	4.87	6.97	4.65	4.56	7.93	13.2	6.67	4.50	11.5	7.26
MAX	76	17	7.8	22	7.7	23	38	53	12	11	110	18
MIN	3.1	5.7	3.7	4.0	3.7	3.0	3.9	4.9	4.0	3.2	2.2	4.8

CAL YR 1989 TOTAL 2531.2 MEAN 6.93 MAX 76 MIN 1.8
WTR YR 1990 TOTAL 2705.2 MEAN 7.41 MAX 110 MIN 2.2

e Estimated

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
27...	1400	3.9	284	6.6	11.0	766	8.5	19	3.2	33
FEB										
09...	1045	3.1	308	6.2	11.5	761	10.2	21	3.7	36
APR										
20...	0740	3.9	305	6.2	12.5	761	9.2	20	3.5	35
JUL										
06...	0805	2.8	330	6.6	20.0	767	6.6	19	3.2	31

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
27...	2.7	31	27	46	0.30	8.9	--	0.030	2.40	0.270
FEB										
09...	2.9	30	29	54	0.10	8.7	0.019	0.020	2.90	0.180
APR										
20...	2.4	32	24	52	<0.10	8.5	0.022	0.020	2.70	0.060
JUL										
06...	2.6	33	25	50	0.30	8.1	0.040	0.030	2.40	0.250

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV										
27...	0.270	0.50	0.40	0.010	0.010	<0.010	440	--	560	0.05
FEB										
09...	0.200	0.40	0.50	0.020	0.005	<0.010	320	62	580	0.08
APR										
20...	0.050	0.40	0.30	0.010	0.003	0.010	600	100	540	0.04
JUL										
06...	0.220	0.90	0.70	0.020	0.007	<0.010	690	130	460	0.05

01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.-- 53 years (1937-90), 13.9 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 848 ft^3/s July 29, 1980, gage height, 3.57 ft; maximum gage height, 4.38 ft Sept. 12, 1960 (datum then in use); no flow Aug. 26, 1971, Aug. 15-23, 1988.

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. 20	0700	*642	*3.02	May 17	0215	480	2.54
Apr. 15	0745	276	1.82	Aug. 19	1400	299	1.91
May 10	2015	449	2.44	Aug. 24	0900	381	2.21

Minimum discharge, 3.0 ft^3/s Aug. 4-6, gage height, 0.26 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	30	8.5	26	8.9	5.7	8.1	14	15	27	4.8	8.3
2	46	15	8.5	8.0	8.5	6.2	7.6	12	14	11	4.0	9.1
3	13	16	8.8	6.8	7.8	6.2	71	9.8	14	8.7	3.6	9.4
4	8.9	12	8.0	6.4	13	5.8	16	9.8	14	7.9	3.1	7.6
5	7.7	11	8.0	6.1	8.8	5.5	11	34	12	7.5	3.0	7.4
6	7.3	11	7.9	5.7	7.4	6.3	9.9	12	12	7.1	45	7.3
7	6.7	10	7.6	5.5	7.4	6.1	14	10	19	6.4	21	7.2
8	6.4	12	7.4	20	7.4	5.6	9.7	9.7	12	5.9	7.0	6.5
9	6.2	33	7.7	24	7.4	5.6	8.7	9.9	19	19	5.5	6.5
10	6.0	15	7.9	9.7	14	5.5	8.6	97	12	11	5.1	9.1
11	11	12	7.8	7.7	8.6	5.5	14	45	25	6.9	28	6.5
12	6.2	11	7.4	6.9	7.2	5.5	8.3	16	14	8.7	9.0	6.3
13	5.7	10	7.4	5.9	6.9	5.5	7.6	14	11	30	6.7	6.1
14	5.4	10	7.0	5.3	6.7	5.3	7.4	13	10	8.4	12	5.9
15	5.4	22	7.3	6.4	6.7	5.1	90	11	10	7.4	6.6	41
16	5.5	28	9.2	5.8	7.2	5.1	17	43	9.8	6.5	5.6	9.2
17	9.4	13	6.9	5.1	6.7	5.9	14	136	9.5	6.1	7.1	8.7
18	13	11	6.7	5.1	5.9	20	11	27	9.5	5.7	10	6.6
19	22	10	6.6	4.8	6.4	7.3	10	18	10	5.3	48	8.8
20	262	11	6.7	7.0	5.9	67	11	15	9.2	5.2	11	14
21	35	10	6.4	12	5.8	16	12	16	9.0	7.3	8.1	6.5
22	20	9.6	6.4	6.9	6.5	11	9.9	14	8.7	29	6.8	27
23	15	10	6.3	5.8	8.9	9.8	9.7	13	8.4	10	6.5	10
24	13	9.4	6.0	5.4	11	8.7	11	13	8.1	18	129	7.5
25	13	9.3	6.2	28	7.9	8.2	12	12	7.6	7.4	19	6.7
26	12	10	6.3	22	6.0	7.8	11	13	7.4	5.6	13	6.2
27	11	9.3	5.9	9.7	5.9	7.4	10	12	7.7	5.1	12	6.1
28	11	18	5.9	7.8	5.9	7.3	8.5	12	8.5	4.9	11	6.0
29	11	9.8	5.8	11	---	6.9	12	81	7.3	4.7	21	5.7
30	11	9.0	5.7	55	---	18	70	51	14	4.6	15	6.5
31	62	---	16	11	---	10	---	18	---	4.4	9.3	---
TOTAL	674.9	407.4	230.2	352.8	216.7	301.8	521.0	811.2	347.7	302.7	496.8	279.7
MEAN	21.8	13.6	7.43	11.4	7.74	9.74	17.4	26.2	11.6	9.76	16.0	9.32
MAX	262	33	16	55	14	67	90	136	25	30	129	41
MIN	5.4	9.0	5.7	4.8	5.8	5.1	7.4	9.7	7.3	4.4	3.0	5.7

CAL YR 1989 TOTAL 4807.9 MEAN 13.2 MAX 262 MIN 1.7
WTR YR 1990 TOTAL 4942.9 MEAN 13.5 MAX 262 MIN 3.0

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV										
27...	1230	9.0	572	6.6	9.0	768	9.0	19	4.4	87
FEB										
09...	0940	7.4	392	6.2	9.0	760	10.0	19	4.4	54
APR										
19...	1430	9.6	374	6.3	16.0	785	10.8	18	4.2	51
JUL										
06...	0655	6.9	397	6.6	20.0	767	6.7	17	4.1	47

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
27...	2.5	36	26	140	0.30	7.2	--	0.020	2.30	0.130
FEB										
09...	2.4	32	26	83	0.10	7.0	0.026	0.020	2.10	0.130
APR										
19...	2.0	33	20	83	<0.10	6.4	0.025	0.020	2.10	0.040
JUL										
06...	2.2	36	20	71	0.30	6.2	0.036	0.030	1.60	0.160

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV										
27...	0.130	0.30	0.50	<0.010	0.008	<0.010	570	--	260	0.08
FEB										
09...	0.150	0.50	0.50	0.020	0.005	<0.010	750	260	270	0.13
APR										
19...	0.030	0.40	0.30	0.010	0.007	0.010	780	240	230	0.06
JUL										
06...	0.150	0.50	0.50	0.010	0.001	<0.010	510	240	170	0.08

01311000 PINES BROOK AT MALVERNE, NY

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

DRAINAGE AREA.--About 10 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--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.

AVERAGE DISCHARGE.--53 years (1937-90), 3.56 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 660 ft^3/s June 30, 1984, gage height, 5.11 ft, from rating curve extended above 220 ft^3/s; no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977, 1980-89.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 20	0400	*421	*4.49	May 10	1800	304	4.19

Minimum discharge, 0.19 ft^3/s Aug. 5, gage height, 2.12 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	2.9	1.6	13	1.6	.76	1.0	1.2	1.9	15	.29	.71
2	19	2.3	1.7	1.2	1.6	.76	.94	1.0	1.8	1.2	.24	1.6
3	1.6	2.3	1.7	1.0	1.1	.82	22	.96	2.0	.88	.24	.88
4	1.2	2.1	1.6	1.0	2.4	.70	1.7	1.2	1.7	.74	.22	.67
5	1.1	1.8	1.6	.97	1.2	.70	1.2	13	1.5	.65	.20	.58
6	1.1	2.7	1.5	.93	1.3	.82	1.1	1.2	1.4	.59	32	.59
7	.99	2.6	1.4	.84	1.1	.70	2.6	1.0	4.6	.57	4.3	.58
8	.94	4.9	1.2	15	1.0	.70	1.1	.96	1.8	.50	.80	.50
9	.91	15	1.3	7.6	1.3	.70	1.2	.94	5.2	5.9	.62	.49
10	.88	7.9	1.3	1.7	2.7	.70	1.1	45	1.4	1.2	.47	.88
11	2.9	2.5	1.2	1.1	1.1	.70	2.9	5.4	4.3	.61	14	.61
12	1.0	2.2	1.1	.94	1.0	.70	1.0	1.7	1.5	1.7	1.0	.59
13	1.0	1.6	1.3	.82	.94	.70	1.3	1.6	1.3	10	1.6	.58
14	1.1	2.1	1.4	.76	1.0	.70	.93	1.4	1.2	.82	2.3	.54
15	1.1	13	1.3	.94	.94	.70	42	1.2	1.2	.75	.55	14
16	1.2	8.2	1.4	.82	1.0	1.2	3.1	23	1.1	.64	.49	.77
17	5.9	1.7	1.1	.76	.94	1.1	2.5	28	1.1	.54	.44	.68
18	4.8	2.0	1.0	.82	.88	4.6	1.5	3.0	1.2	.52	.44	.56
19	15	1.3	1.0	.76	.94	.82	1.5	2.1	1.5	.42	4.7	2.5
20	115	1.5	1.1	2.6	.88	14	1.2	1.9	1.2	.37	.65	1.4
21	3.7	1.9	.99	1.5	.82	1.3	1.6	2.2	1.0	1.6	.44	.53
22	2.6	1.4	.94	.82	1.2	1.1	1.2	1.7	.90	16	.40	10
23	2.6	1.7	.94	.70	1.2	1.0	1.1	1.6	.90	1.1	.47	.80
24	2.5	1.5	.97	.64	2.2	.94	1.1	1.5	.83	2.9	38	.49
25	2.6	1.8	1.0	12	1.0	.94	1.2	1.5	.74	.63	1.5	.44
26	2.5	2.0	.99	4.5	.82	.94	1.2	1.6	.72	.34	1.4	.42
27	2.4	1.6	.94	.94	.82	.88	1.1	1.5	.73	.34	10	.38
28	2.2	7.6	.94	.88	.82	.82	1.1	1.4	.64	.31	1.4	.35
29	2.2	1.8	.94	3.7	---	.82	1.1	44	.84	.31	7.2	.34
30	2.1	1.8	.94	8.8	---	6.1	8.0	8.8	6.9	.31	1.6	.35
31	18	---	9.2	1.8	---	1.2	---	2.3	---	.31	.85	---
TOTAL	220.94	103.7	45.59	89.84	33.80	48.62	110.57	203.86	53.10	67.75	128.81	43.81
MEAN	7.13	3.46	1.47	2.90	1.21	1.57	3.69	6.58	1.77	2.19	4.16	1.46
MAX	115	15	9.2	15	2.7	14	42	45	6.9	16	38	14
MIN	.82	1.3	.94	.64	.82	.70	.93	.94	.64	.31	.20	.34

CAL YR 1989 TOTAL 1254.99 MEAN 3.44 MAX 115 MIN .03
WTR YR 1990 TOTAL 1150.39 MEAN 3.15 MAX 115 MIN .20

01311000 PINES BROOK AT MALVERNE, NY--Continued

WATER-QUALITY RECORDS

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 27...	1000	1.5	528	6.3	9.5	768	8.1	26	5.9	71
FEB 13...	1120	.94	371	6.4	11.0	769	10.4	26	5.9	39
APR 19...	1255	3.1	316	6.4	13.0	785	8.1	24	5.2	30
JUL 05...	1110	.64	352	6.9	18.0	763	8.9	25	5.9	32

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV 27...	4.0	53	32	110	0.30	8.3	--	0.020	2.20	0.170
FEB 13...	4.0	53	33	62	<0.10	8.0	0.033	0.010	2.30	0.110
APR 19...	2.8	50	22	46	<0.10	7.5	0.015	0.020	2.40	0.140
JUL 05...	3.9	54	29	46	0.20	8.1	0.034	<0.010	2.30	0.110

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
NOV 27...	0.180	0.50	0.40	0.020	0.015	<0.010	360	--	180	0.08
FEB 13...	0.120	0.90	0.60	0.010	0.010	<0.010	420	51	1100	0.09
APR 19...	0.150	0.50	0.30	0.030	0.016	0.020	290	85	150	0.06
JUL 05...	0.100	0.50	0.60	0.140	0.013	<0.010	280	58	130	0.06

01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi^2.

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

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

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

REMARKS.--Records good except those above 140 ft^3/s and estimated period, which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--36 years (1954-90), 2.10 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 294 ft^3/s June 30, 1984, gage height, 5.78 ft, from rating curve extended above 130 ft^3/s; no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 143 ft^3/s Oct. 20, gage height, 2.81 ft, from rating curve extended above 130 ft^3/s; no flow for all or part of many days during July, August and September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	6.2	.69	e5.0	.57	.14	.46	.78	.80	12	.01	.36
2	11	.85	.57	e.60	.51	.14	.29	.34	.75	2.6	.00	.40
3	1.4	.72	.52	e.25	.51	.16	15	.26	.80	.51	.00	.36
4	.36	.52	.47	e.25	.58	.22	1.9	.27	.86	.33	.00	.18
5	.34	.52	.43	.25	.47	.23	.54	8.7	.59	.28	.00	.27
6	.35	.60	.43	.18	.40	.31	.40	.82	.55	.12	25	.27
7	.27	.56	.38	.18	.39	.26	.75	.42	2.5	.06	3.8	.29
8	.19	.78	.36	3.6	.36	.24	.41	.32	1.2	.06	.53	.26
9	.22	5.4	.34	4.9	.36	.24	.29	.28	3.3	1.2	.16	.21
10	.21	1.9	.36	.84	.93	.12	.39	21	.69	1.3	.01	1.1
11	.29	.52	.36	.39	.88	.13	1.5	11	1.3	.30	11	.20
12	.23	.48	.36	.27	.42	.20	.68	1.1	1.1	.37	.79	.16
13	.22	.51	.36	.26	.36	.17	.38	.77	.58	6.0	.43	.14
14	.18	.53	.36	.23	.38	.19	.29	.60	.55	.59	1.1	.07
15	.31	11	.34	.19	.44	.23	23	.52	.49	.25	.13	7.3
16	.21	2.5	.29	.18	.46	.11	1.7	5.7	.43	.28	.08	.56
17	.47	1.1	.29	.18	.44	.12	.80	25	.41	.20	.08	.06
18	1.0	.61	.29	.18	.30	1.7	.60	3.0	.43	.06	.03	.00
19	4.9	.53	.29	.18	.30	.51	.37	.87	.56	.00	1.3	.15
20	61	.53	.29	.26	.32	8.1	.37	.61	.41	.05	.43	.75
21	6.5	.83	.29	.64	.29	2.3	.52	.74	.30	.20	.14	.18
22	1.2	.97	.26	.34	.32	.48	.47	.57	.32	6.7	.06	6.1
23	.74	1.4	.14	.21	.29	.39	.37	.55	.34	1.8	.02	1.2
24	.85	1.1	.08	.15	.51	.34	.33	.59	.31	.26	27	.30
25	.75	.89	.07	6.9	.29	.29	.36	.52	.23	.00	1.5	.18
26	.62	.83	.08	3.9	.14	.26	.42	.55	.23	.04	1.2	.15
27	.66	.71	.10	.92	.13	.24	.38	.40	.25	.00	1.4	.13
28	.68	3.5	.07	.44	.14	.19	.40	.39	.25	.00	1.5	.06
29	.55	1.2	.08	.91	---	.10	.40	22	.26	.00	2.2	.10
30	.60	.77	.12	15	---	.84	4.3	14	1.0	.00	1.2	.07
31	8.6	---	e4.0	1.1	---	.95	---	1.3	---	.02	.32	---
TOTAL	105.06	48.56	13.07	48.88	11.49	19.90	58.07	123.97	21.79	35.58	81.42	21.56
MEAN	3.39	1.62	.42	1.58	.41	.64	1.94	4.00	.73	1.15	2.63	.72
MAX	61	11	4.0	15	.93	8.1	23	25	3.3	12	27	7.3
MIN	.16	.48	.07	.15	.13	.10	.29	.26	.23	.00	.00	.00

CAL YR 1989 TOTAL 774.39 MEAN 2.12 MAX 61 MIN .00
WTR YR 1990 TOTAL 589.35 MEAN 1.61 MAX 61 MIN .00

e Estimated

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 1990

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurement Discharge (ft^3/s)
		Streams on Long Island				
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mi northwest of State Highway 25A.	--	1953-90	2-22-90 6- 7-90 9-12-90	.93 1.3 .94
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.	--	1953-90	11-22-89 2-22-90 9-12-90	.48 .44 .44
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.	--	1953-90	4-19-90 6- 7-90 9-20-90	1.3 1.4 .78
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft west on New York Ave., 1 mi northeast of Huntington.	--	1953-90	4-27-90 6-14-90 9-25-90	2.4 3.5 3.1
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.	--	1953-90	2- 7-90 4-27-90 6-14-90 9-26-90	1.7 1.7 1.5 1.6
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.	--	1977-90	4-27-90 6-14-90 9-26-90	1.1 1.4 1.1
00303790	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 1989-90	4-24-90 9- 4-90	1.2 1.2
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 1979-90	4-24-90 9- 4-90	2.8 2.6
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.	--	1972-90	4-24-90 9- 4-90	4.1 3.3

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brooksite Drive, 0.75 mi southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown.	--	1953-90	4-24-90 9-25-90	6.6 5.7
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.	--	1972-90	4-24-90	38.
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.	--	1974-90	4-25-90	59.
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.	--	1977-90	6-26-90 9-27-90	3.1 3.2
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.	--	1977-90	2-22-90 6-26-90 9-27-90	1.6 1.6 1.6
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.	--	1977-90	6-26-90 9-27-90	.36 .37
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.	--	1977-90	2-22-90 6-26-90	1.7 1.5
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi west of Wading River.	--	1953-62 1964-83 1985-86 1989-90	2- 8-90 6-27-90 9-28-90	1.1 1.2 .92
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.	--	1977-90	2-22-90 6-27-90 9-28-90	1.1 1.2 .86
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 1951-90	4-23-90 6- 4-90 9-28-90	16. 17. 7.0
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.	--	1976-90	2- 8-90 4-23-90 6- 5-90 9-28-90	88. 77. 79. 46.
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.	--	1952-90	2- 9-90 6-27-90 9-28-90	6.9 6.4 6.4
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi southeast of Riverhead.	--	1953-69 1973-90	2- 9-90 6-27-90 9-28-90	3.0 3.9 2.8

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 mi northwest of Southampton.	--	1951-69 1971-90	6- 6-90	1.8
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.	--	1958-90	6- 6-90 9-27-90	.96 .75
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 1973-90	6- 6-90 9-27-90	1.1 .99
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 1988-90	6- 6-90 9-27-90	3.4 5.4
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.	--	1974-90	6-14-90 9-27-90	1.8 1.3
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mi northwest of Quogue.	--	1953-69 1974-90	6-14-90	2.5
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	--	1959-88 1990	6-14-90 9-27-90	3.0 1.4
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	9-27-90	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.	--	1974-90	6-14-90 9-27-90	2.0 .66
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.	--	1953-90	4-17-90 6-28-90	6.0 6.7
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mi southwest of Eastport.	--	1955-69 1974-90	4-17-90 6-28-90	4.0 4.3
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27A, at Moriches.	--	1948-50 1952-90	4-17-90 6-12-90 9-25-90	8.8 11. 7.5

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mi south of Middle Island, and 3.0 mi upstream from gaging station at Yaphank.	--	1947-90	2- 6-90 4-26-90 9-26-90	4.7 4.2 2.7
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.	--	1973-90	2- 6-90 4-26-90 9-26-90	19. 27. 12.
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.	--	1973-90	2- 6-90 9-26-90	34. 22.
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.	--	1973-90	4-26-90 9-26-90	68. 88.
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 mi east of Patchogue.	--	1947-69 1971-90	5-10-90	5.3
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-90	4-25-90 6-29-90 9-20-90	14. 7.4 15.
01306000c/	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'18", Suffolk County, at State Highway 27A, at Patchogue.	b13.5	1946-69* 1970-73 1974-76* 1977-90	4-25-90 6-29-90 9-20-90	22. 13. 26.
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.	--	1953-90	3-23-90 5-10-90 6-29-90	5.7 5.6 6.7
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 1973-90	11-27-89 4-27-90 6-29-90 9- 7-90	45. 43. 43. 38.
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft downstream from State Highway 27, 1.5 mi northwest of Oakdale.	--	1944-69 1971-90	3-19-90 4-27-90 6-29-90 9- 7-90	38. 40. 37. 34.

* Operated as a continuous-record gaging station.
b About
c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01307300	Pardees Ponds Outlet at Islip, N.Y.	Lat 40°43'40", long 73°13'16", Suffolk County, at culvert on State Highway 27A, at Islip.	--	1948-72 1974-90	3-23-90 6-29-90 9-18-90	2.5 1.4 2.9
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mi west of Islip.	--	1948-90	3-23-90 6-29-90 9-18-90	1.2 1.7 1.5
01307500c/	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	b5	1945-76* 1977-90	3-19-90 9-18-90	5.4 6.2
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-90	3-23-90 6-29-90	2.1 1.9
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 1973-90	3- 1-90 6-12-90 9-20-90	5.1 6.7 4.7
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 1971-90	3- 1-90 6-12-90 9-20-90	7.4 8.8 10.
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 1969-90	3- 1-90 9-20-90	12. 17.
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 1987-90	2- 2-90	50.
01309000c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	b7	1947-69* 1970-90	3-19-90	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 1971-90	3-22-90 6-28-90	7.2 6.4

* Operated as a continuous-record gaging station.
b About
c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-90	3-22-90 6-28-90	3.1 3.5
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 1971-90	3-22-90	1.4
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.	--	1953-90	3-22-90	1.6
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville.	--	1949 1953-69 1971-88 1990	3-22-90	6.3
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 1980-90	2- 9-90 6-11-90 9-13-90	0 .24 .17
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 1973-90	2- 9-90 6-11-90 9-13-90	2.7 3.2 2.2
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 1973-90	2- 9-90 6-11-90 9-13-90	5.4 6.1 3.9
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.	--	1953-90	4-18-90 9-26-90	2.7 .86
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 1983-90	4-18-90	3.8
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.	--	1973-90	4-18-90 6-11-90 9- 7-90	.05 .17 .53
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.	--	1973-90	4-18-90 9- 7-90	.83 1.4
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.	--	1963-90	3-22-90 6-13-90	.63 .79

Discharge measurements made at low-flow partial-record stations during water year 1990--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 mi east of Freeport.	--	1953-62 1965-90	3-22-90 6-13-90	7.4 6.3
01310470	East Meadow Brook near Westbury, NY.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft downstream from culvert on Meadowbrook State Parkway, 1.0 mi south of Westbury, and 4.8 mi upstream from gage at Freeport.	--	1973-90	2- 8-90 6- 8-90 9- 5-90	0 .63 .38
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.	--	1973-90	2- 8-90 6- 8-90 9- 5-90	.99 3.7 1.9
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.	--	1973-90	2- 8-90 6- 8-90 9- 5-90	3.7 6.8 3.6
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	4-24-90 6- 8-90 9- 7-90	14. 14. 7.8
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	4-24-90 6- 8-90 9- 7-90	1.0 1.1 .95
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.	--	1953-90	3-22-90	3.1
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.	--	1953-90	11-13-89 2-14-90 6-19-90 9- 5-90	6.1 2.2 3.9 1.5
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 mile southwest of Valley Stream.	--	1954-90	5- 9-90 9- 5-90	.96 1.3
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.	--	1953-90	3-12-90 5- 9-90 9- 5-90	0 .08 0

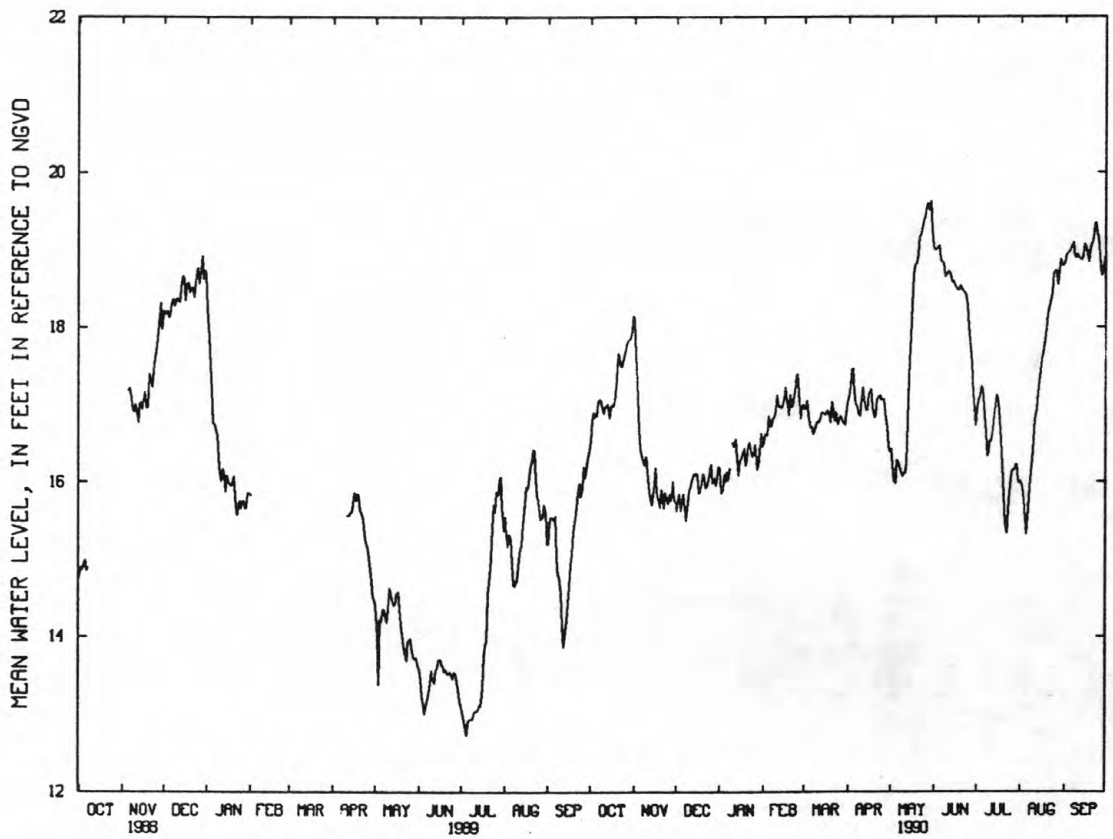
CONTINUOUS RECORDING STATIONS

404931073382101. Local number, N 110.1
LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Jericho Water District storage garage, 27 ft south of Scudders Lane, 32 ft west of Motts Cove Road, in recorder shelter, Glenwood Landing.
Owner: Jericho Water District.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 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 National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel nipple, 0.44 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and by pumping of nearby well.
PERIOD OF RECORD.--January 1946 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft NGVD, December 15, 1970; lowest measured, -9.05 ft NGVD, May 22, 1957.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.86	16.43	15.78	16.00	16.72	16.70	17.15	16.29	18.88	17.19	15.32	19.01
10	16.89	16.13	15.90	16.51	17.12	16.79	17.07	16.11	18.71	16.54	16.54	18.94
15	16.96	15.97	16.12	16.27	17.06	16.87	17.13	17.87	18.55	17.12	17.43	19.07
20	17.66	15.91	16.11	16.29	16.96	17.04	16.87	18.94	18.50	15.83	18.15	19.09
25	17.67	15.72	16.17	16.37	17.15	16.82	17.07	19.44	18.00	16.04	18.72	19.16
EOM	18.15	15.76	16.20	16.46	17.00	17.02	16.39	19.04	16.73	15.98	18.79	18.92
MEAN	17.26	16.14	15.94	16.28	16.96	16.84	17.01	17.84	18.40	16.46	17.38	18.97
MAX	18.15	18.10	16.23	16.63	17.40	17.05	17.46	19.63	19.06	17.23	18.87	19.35
MIN	16.53	15.66	15.50	15.85	16.52	16.62	16.39	15.98	16.73	15.34	15.32	18.66

WTR YR 1990 MEAN 17.12 MAX 19.63 MIN 15.32



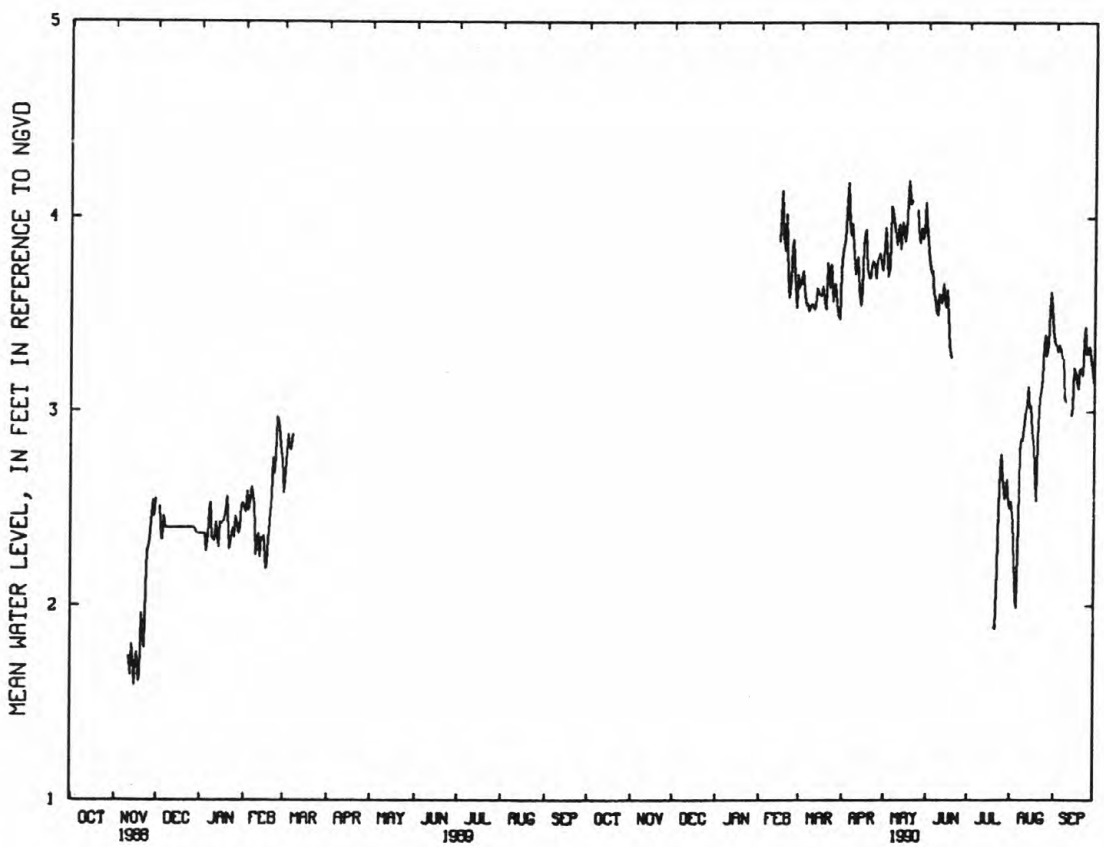
CONTINUOUS RECORDING STATIONS

403805073395301. Local number, N 2790.2
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, in recorder shelter, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 571 ft, screened 538 to 560 ft.
INSTRUMENTATION.--Digital water-level recorder -- 30-minute punch.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and by pumping of nearby well.
PERIOD OF RECORD.--February 1950 to current year. Unpublished records from February 1950 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft NGVD, April 6, 1958; lowest measured, -0.36 ft NGVD, July 20, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	3.55	3.97	4.06	3.61	---	1.99	3.32
10	---	---	---	---	---	3.55	3.76	3.94	3.59	---	2.91	---
15	---	---	---	---	4.01	3.60	3.86	3.88	3.63	---	3.03	3.23
20	---	---	---	---	3.70	3.77	3.69	4.09	---	1.89	2.86	3.23
25	---	---	---	---	3.70	3.66	3.78	3.89	---	2.78	3.40	3.30
EOM	---	---	---	---	3.64	3.82	3.85	3.97	---	2.50	3.42	3.15
MEAN	---	---	---	---	3.81	3.62	3.81	3.95	3.54	2.45	2.93	3.23
MAX	---	---	---	---	4.14	3.82	4.18	4.19	3.88	2.78	3.62	3.44
MIN	---	---	---	---	3.54	3.48	3.55	3.70	2.70	1.88	1.99	2.98

WTR YR 1990 MEAN 3.47 MAX 4.19 MIN 1.88



CONTINUOUS RECORDING STATIONS

404418073434101. Local number, Q 577.1
LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, in recorder shelter, Bellerose. Owner: State of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 640 ft, screen assumed at bottom.
INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.
DATUM.--Land-surface datum is 113.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 12-in. steel casing, 1.05 ft above land-surface datum.
REMARKS.--Water level affected by pumping of nearby well.
PERIOD OF RECORD.--February 1946 to current year. Unpublished records from February 1946 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.65 ft NGVD, March 13, 1959; lowest measured, -18.66 ft NGVD, July 30, 1954.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-.31	2.75	2.94	5.12	---	6.87	8.54	7.71	6.10	3.79	1.20	3.51
10	-.30	2.48	3.56	5.69	---	6.48	8.40	8.29	5.89	3.01	1.61	3.44
15	.72	2.45	4.13	5.17	6.60	6.97	8.28	8.24	5.81	3.32	2.49	3.50
20	1.54	2.54	4.10	5.50	6.96	6.85	7.08	7.62	5.31	3.37	2.64	3.82
25	2.32	2.41	5.28	3.61	6.78	7.04	7.71	7.70	4.55	2.83	3.58	4.61
EOM	3.19	2.49	5.68	3.67	6.30	7.69	7.68	6.77	2.39	2.14	3.69	4.99
MEAN	.98	2.57	4.06	5.00	6.52	6.89	7.99	7.79	5.32	3.04	2.56	3.90
MAX	3.19	3.31	5.72	5.82	7.30	7.69	8.60	8.62	6.59	3.79	4.25	4.99
MIN	-.70	2.25	2.37	3.61	4.40	5.89	7.03	6.77	2.39	2.14	1.20	3.41

WTR YR 1990 MEAN 4.65 MAX 8.62 MIN -.70

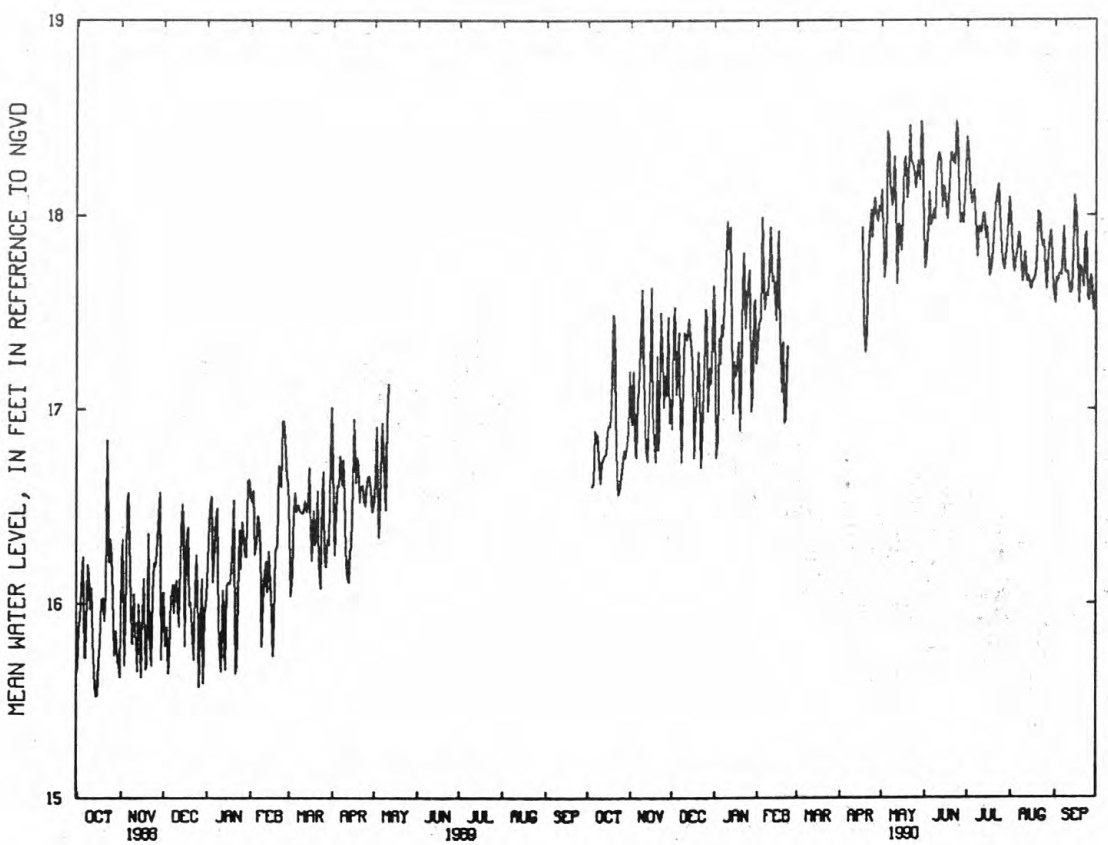
CONTINUOUS RECORDING STATIONS

403727073154601. Local number, S 21091.1
LOCATION.--Lat 40°37'27", long 73°15'46", 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 National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft NGVD, March 16, 1976; lowest measured, 15.13 ft NGVD, June 2, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.62	16.75	17.22	17.24	17.72	---	---	18.43	17.95	18.11	17.81	17.69
10	16.62	17.30	17.40	17.97	17.94	---	---	18.30	18.30	17.94	17.74	17.71
15	16.89	17.20	17.31	17.25	17.73	---	---	17.82	18.13	17.94	17.62	18.10
20	17.43	17.28	17.30	17.14	16.93	---	17.40	18.17	18.32	17.94	18.02	17.70
25	16.65	17.01	17.52	17.64	---	---	18.03	18.14	18.11	17.89	17.72	17.56
EOM	17.20	17.05	17.64	17.24	---	---	18.02	17.92	18.24	18.09	17.62	17.64
MEAN	16.84	17.08	17.19	17.39	17.52	---	17.84	18.13	18.12	17.96	17.78	17.71
MAX	17.49	17.63	17.64	17.97	17.99	---	18.09	18.48	18.48	18.40	18.02	18.10
MIN	16.56	16.73	16.70	16.75	16.93	---	17.30	17.65	17.73	17.69	17.62	17.51

WTR YR 1990 MEAN 17.59 MAX 18.48 MIN 16.56



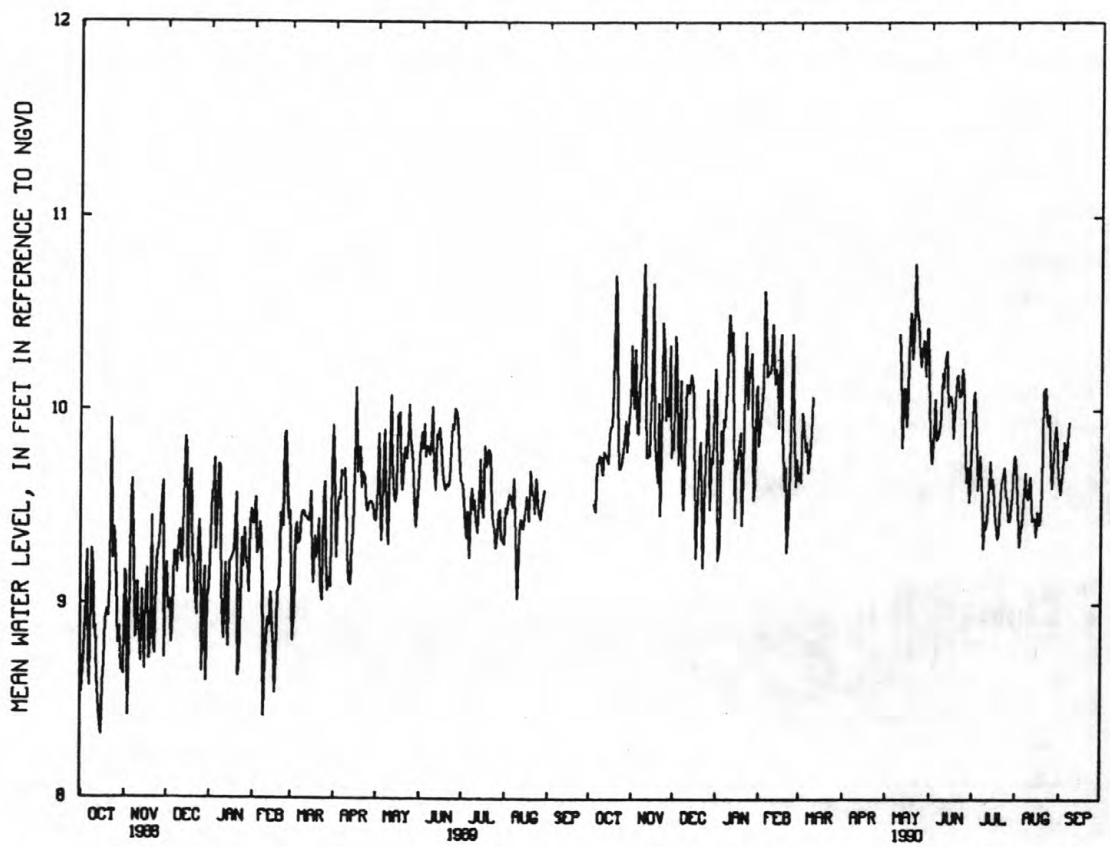
CONTINUOUS RECORDING STATIONS

403727073154503. Local number, S 21311.1
LOCATION.--Lat 40°37'27", long 73°15'46", 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 National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 20.01 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1962 to current year. Unpublished records from November 1962 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft NGVD, January 25, 1979; lowest measured, 5.35 ft above NGVD, February 23, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.48	9.88	9.91	9.73	10.43	9.79	---	---	9.85	9.67	9.41	9.75
10	9.67	10.32	10.14	10.50	10.45	10.07	---	10.40	10.12	9.39	9.62	---
15	9.88	10.20	10.08	9.75	10.30	---	---	9.92	10.08	9.65	9.35	---
20	10.59	10.04	9.84	9.66	9.27	---	---	10.39	10.19	9.51	10.10	---
25	9.79	9.95	10.11	10.21	9.95	---	---	10.23	9.89	9.55	9.74	---
EOM	10.34	9.85	10.22	9.82	9.64	---	---	10.00	9.84	9.77	9.66	---
MEAN	9.88	10.05	9.85	9.93	10.01	9.82	---	10.28	9.97	9.60	9.65	9.75
MAX	10.70	10.76	10.39	10.50	10.62	10.07	---	10.76	10.31	10.10	10.12	9.94
MIN	9.48	9.46	9.19	9.23	9.27	9.63	---	9.81	9.53	9.29	9.30	9.57

WTR YR 1990 MEAN 9.89 MAX 10.76 MIN 9.19



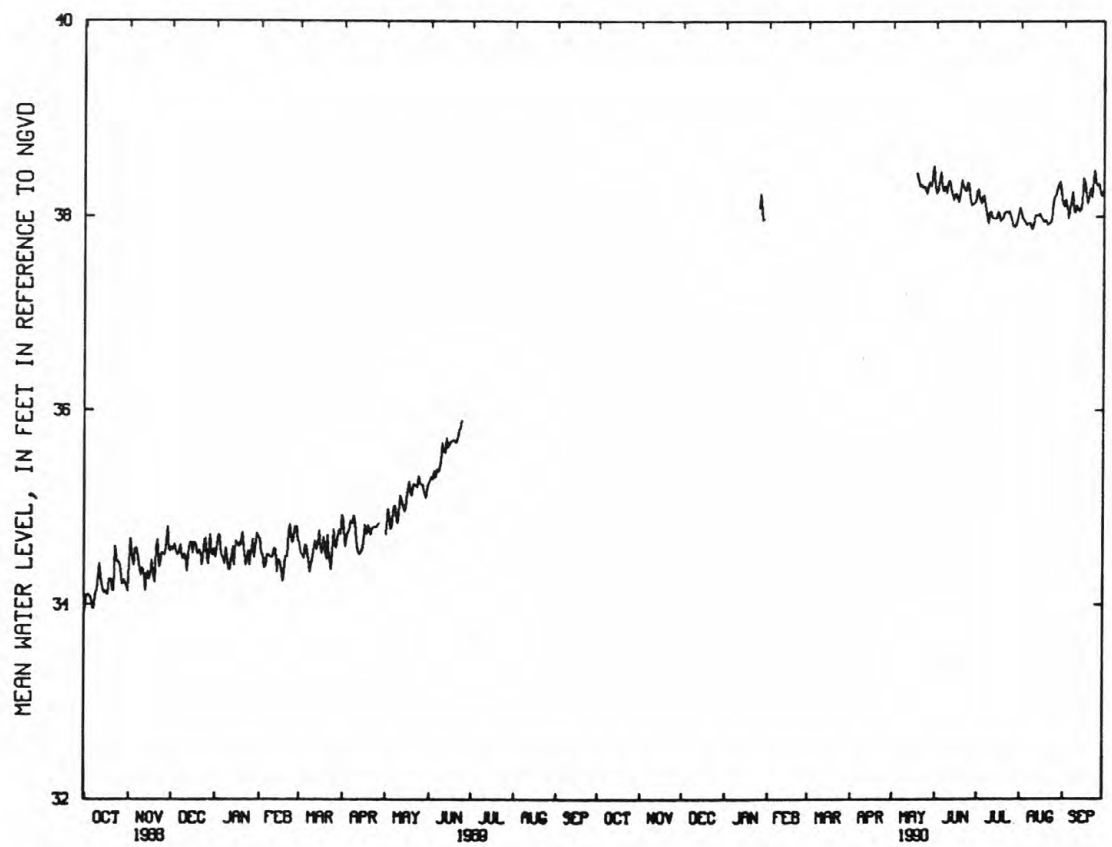
CONTINUOUS RECORDING STATIONS

404935073055901. Local number, S 33379.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 1,305 ft, screened 1,290 to 1,300 ft.
INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.
DATUM.--Land-surface datum is 134.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.34 ft above land-surface datum.
REMARKS.--Water level affected by pumping of nearby well.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.92 ft NGVD, June 5, 1979; lowest measured, 33.84 ft NGVD, September 29, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	38.31	38.22	37.91	38.09
10	---	---	---	---	---	---	---	---	38.37	38.05	37.91	38.12
15	---	---	---	---	---	---	---	---	38.24	38.05	38.00	38.39
20	---	---	---	---	---	---	---	38.31	38.32	38.04	37.91	38.29
25	---	---	---	38.09	---	---	---	38.24	38.19	37.97	38.20	38.31
EOM	---	---	---	---	---	---	---	38.31	38.26	38.09	38.13	38.28
MEAN	---	---	---	38.07	---	---	---	38.35	38.26	38.03	38.03	38.20
MAX	---	---	---	38.23	---	---	---	38.52	38.46	38.28	38.36	38.47
MIN	---	---	---	37.97	---	---	---	38.24	38.12	37.89	37.87	37.98

WTR YR 1990 MEAN 38.15 MAX 38.52 MIN 37.87



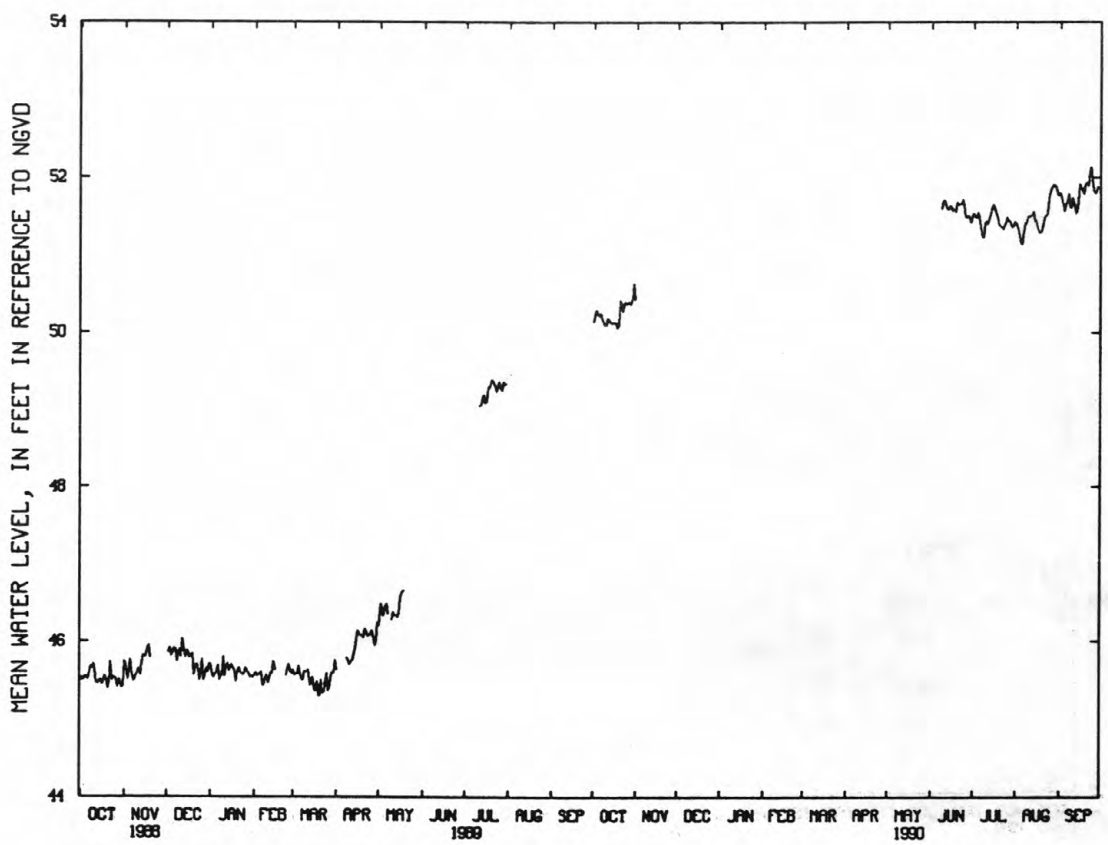
CONTINUOUS RECORDING STATIONS

404932073055902. Local number, S 33380.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 850 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 National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 1.63 ft above land-surface datum.
REMARKS.--Water level affected by pumping of nearby well.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft NGVD, April 27, 1979; lowest measured, 45.16 ft above NGVD, December 5, 1969.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.21	---	---	---	---	---	---	---	---	51.49	51.14	51.67
10	50.10	---	---	---	---	---	---	---	51.71	51.44	51.50	51.74
15	50.13	---	---	---	---	---	---	---	51.62	51.65	51.45	51.92
20	50.41	---	---	---	---	---	---	---	51.65	51.38	51.39	51.94
25	50.36	---	---	50.98	---	---	---	---	51.50	51.49	51.81	51.83
EOM	50.43	---	---	---	---	---	---	---	51.50	51.43	51.77	51.86
MEAN	50.25	---	---	50.98	---	---	---	---	51.60	51.44	51.51	51.79
MAX	50.63	---	---	50.98	---	---	---	---	51.72	51.65	51.91	52.13
MIN	50.06	---	---	50.98	---	---	---	---	51.42	51.23	51.14	51.54

WTR YR 1990 MEAN 51.30 MAX 52.13 MIN 50.06



404059073520702. Local number, K 1194.4
LOCATION.--Lat 40°40'59", long 73°52'07", Hydrologic Unit 02030202, at east side of Nichols Avenue, 54 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 USGS personnel.
DATUM.--Land-surface datum is 32.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.34 ft below land-surface datum.
REMARKS.--Replaced well K 1194.3 in July 1970.
PERIOD OF RECORD.--November 1970 to current year. Unpublished records from November 1970 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.76 ft NGVD, April 4, 1978; lowest measured, -0.83 ft NGVD, November 2, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	10.22	DEC 27	10.11	FEB 26	9.90	APR 23	9.87	JUN 20	10.19	AUG 14	10.28
NOV 21	10.27	JAN 23	10.26	MAR 27	9.79	MAY 25	10.05	JUL 12	10.39	SEP 12	10.32

403939073542901. Local number, K 1265.1
LOCATION.--Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at west side of Thatford Avenue, 30 ft south of Riverdale Avenue, Brownsville. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 44 ft, screened 42 to 43 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in top of plug, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--April 1933 to current year. Unpublished records for 1933-35, 1941-78 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.99 ft NGVD, September 23, 1980; lowest measured, -11.55 ft NGVD, August 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 24	11.03	FEB 26	10.26	APR 23	9.50	JUN 20	9.11	AUG 14	11.74	SEP 12	10.84
FEB 1	10.82	MAR 27	9.77	MAY 25	9.26	JUL 12	8.96				

404236073574601. Local number, K 1301.1
LOCATION.--Lat 40°42'35", long 73°57'48", Hydrologic Unit 02030201, at Williamsburgh Savings Bank, in basement, 84 ft north of Broadway and 178 ft west of Driggs Avenue, Williamsburgh. 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 USGS personnel.
DATUM.--Land-surface datum is 52.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, October 2, 1978; lowest measured, -7.72 ft NGVD, January 19, 1961.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.51	DEC 28	4.51	FEB 26	4.32	APR 24	4.38	JUN 20	4.27	SEP 12	4.60
NOV 21	3.87	JAN 24	4.46	APR 4	4.45	MAY 25	4.20	AUG 14	4.61		

404155073552108. Local number, K 3245.1
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 USGS personnel.
DATUM.--Land-surface datum is 24.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, September 23, 1980; lowest measured, 5.80 ft NGVD, June 1, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.40	DEC 28	8.38	FEB 26	8.19	APR 24	8.15	JUN 20	8.40	AUG 14	8.62
NOV 21	8.40	JAN 24	8.31	APR 4	8.23	MAY 25	8.24	JUL 12	8.54	SEP 12	7.61

403902073552801. Local number, K 3246.1
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 USGS personnel.
DATUM.--Land-surface datum is 25.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 27, 1984; lowest measured, 7.27 ft NGVD, May 5, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.77	JAN 23	8.37	FEB 26	8.33	APR 23	8.41	JUN 20	8.63	AUG 14	8.65
NOV 21	8.82	FEB 1	8.38	MAR 27	8.27	MAY 25	8.47	JUL 12	8.50	SEP 12	8.58
DEC 27	8.50										

403623074002101. Local number, K 3249.1
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 USGS personnel.
DATUM.--Land-surface datum is 31.0 ft National Geodetic Vertical Datum of 1929. 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, 4.94 ft NGVD, September 29, 1989; lowest measured, 3.16 ft NGVD, May 21, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.53	DEC 28	3.66	FEB 26	4.55	APR 24	3.77	JUN 20	4.24	AUG 14	4.42
NOV 21	4.14	JAN 24	4.22	MAR 27	4.04	MAY 25	4.19	JUL 12	4.08	SEP 12	4.34

403520073575501. Local number, K 3251.1
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 USGS personnel.
DATUM.--Land-surface datum is 9.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.06 below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.36 ft NGVD, June 26, 1984, and June 21, 1989; lowest measured, 2.56 ft NGVD, March 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 14	3.35	SEP 12	3.19								

403702073555808. Local number, K 3252.1
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 USGS personnel.
DATUM.--Land-surface datum is 12.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, February 11, 1981; lowest measured, 0.68 ft NGVD, October 6, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	1.91	DEC 27	1.41	FEB 26	1.44	APR 23	1.62	JUN 20	1.68	AUG 14	1.68
NOV 21	1.73	JAN 23	1.38	MAR 27	1.35	MAY 25	1.64	JUL 12	1.52	SEP 12	1.58

403728073590708. Local number, K 3253.2
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 USGS personnel.
DATUM.--Land-surface datum is 46.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.03 ft below land-surface datum.
REMARKS.--Replaced well K 3253.1 in April 1981.
PERIOD OF RECORD.--April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.07 ft NGVD, October 3, 1984; lowest measured, 4.33 ft NGVD, December 21, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.81	DEC 28	5.43	FEB 26	5.47	APR 24	5.24	JUN 20	5.60	AUG 14	5.63
NOV 21	5.66	JAN 24	5.29	MAR 27	5.17	MAY 25	5.43	JUL 12	5.53	SEP 12	5.65

403737073564908. Local number, K 3254.1
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 USGS personnel.
DATUM.--Land-surface datum is 26.9 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 27, 1984; lowest measured, 4.69 ft NGVD, June 25, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27	5.39	MAY 25	5.66	JUN 20	5.80	JUL 12	5.62	AUG 14	5.62	SEP 12	5.64
APR 23	5.58										

404036073584008. Local number, K 3261.1
LOCATION.--Lat 40°40'37", long 73°58'41", Hydrologic Unit 02030201, at east side of Lincoln Place, 122 ft north of 6th Avenue, north 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 USGS personnel.
DATUM.--Land-surface datum is 64.8 ft National Geodetic Vertical Datum of 1929. 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 NGVD, March 16, 1984; lowest measured, 24.03 ft NGVD, March 29, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	26.86	JAN 24	26.74	MAR 27	26.37	APR 24	26.18	JUN 20	26.32	AUG 14	26.43
NOV 21	27.15	FEB 26	26.45	APR 4	26.26	MAY 25	26.20	JUL 12	26.41	SEP 12	26.52
DEC 28	26.91										

403635073580108. Local number, K 3274.1
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 USGS personnel.
DATUM.--Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, October 3, 1984; lowest measured, 3.53 ft NGVD, October 6, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.16	DEC 28	5.10	FEB 26	5.27	APR 23	4.71	JUN 20	5.06	AUG 14	5.06
NOV 21	5.26	JAN 23	4.42	MAR 27	4.61	MAY 25	4.90	JUL 12	4.88	SEP 12	5.01

403737074011701. Local number, K 3275.1
LOCATION.--Lat 40°37'37", long 74°01'15", Hydrologic Unit 02030202, at east side of 6th Avenue, 19 ft south of 76th Street, Bay Ridge. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 76 ft, screened 73 to 76 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 67.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.15 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year. Unpublished records from June 1981 to September 1982 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.65 ft NGVD, January 5, 1984; lowest measured, 3.20 ft NGVD, April 28, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.61	DEC 28	4.11	FEB 26	5.51	APR 24	4.25	JUN 20	4.67	AUG 14	5.02
NOV 21	4.70	JAN 24	4.47	MAR 27	4.48	MAY 25	4.45	JUL 12	4.64	SEP 12	4.77

404135073584001. Local number, K 3276.1
LOCATION.--Lat 40°41'34", long 73°58'41", Hydrologic Unit 02030201, at east side of St. Edwards Street, 75 ft south of Myrtle Avenue, Fort Greene. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 54 ft, screened 51 to 54 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface Datum is 38.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--April 1981 to current year. Unpublished records from April 1981 to September 1982 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft NGVD, January 5, 1984; lowest measured, 4.30 ft NGVD, October 1, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	6.00	JAN 24	5.79	MAR 27	5.61	APR 24	5.87	JUN 20	5.68	AUG 14	5.71
NOV 21	5.89	FEB 26	6.33	APR 4	5.67	MAY 25	5.59	JUL 12	5.67	SEP 12	5.91
DEC 28	6.02										

404043073413108. Local number, N 7.1
LOCATION.--Lat 40°40'43", long 73°41'31", Hydrologic Unit 02030202, at Valley Stream State Park, 150 ft west of Corona Avenue, 130 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 6 in., depth 911 ft, screened 851 to 911 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 20.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in. hole drilled in 4-in. steel plug, 2.17 ft above land-surface datum.
PERIOD OF RECORD.--March 1941 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.75 ft NGVD, March 9, 1941; lowest measured, -6.84 ft NGVD, August 25, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	2.20	JAN 18	6.32	APR 10	7.85	MAY 22	7.86	JUL 11	5.45	SEP 13	5.17
NOV 13	4.97	FEB 20	6.84	18	7.70	JUN 22	6.98	AUG 13	4.68		

404048073412602. Local number, N 9.1
LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Valley Stream State Park, 30 ft west of Corona Avenue, 650 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 138 ft, screened 98 to 138 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.6 ft National Geodetic Vertical Datum of 1929. 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 NGVD, September 23, 1938; lowest measured, 5.95 ft NGVD, March 22, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	15.07	DEC 19	15.31	FEB 20	15.51	APR 18	16.20	JUN 12	16.29	AUG 13	15.25
NOV 13	15.55	JAN 18	14.94	APR 10	16.15	MAY 22	16.21	JUL 11	15.13	SEP 13	15.15

405010073414901. Local number, N 35.1
LOCATION.--Lat 40°50'10", long 73°41'51", Hydrologic Unit 02030201, at Port Washington Water District, 115 ft south of Sandy Hollow Road, in recorder shelter, Port Washington. Owner: Port Washington Water District.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 16 in. to 6 in., depth 387 ft, screened 287 to 387 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 13.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.64 ft above land-surface datum.
PERIOD OF RECORD.--April 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft NGVD, January 31, 1958; lowest measured, -16.15 ft NGVD, July 29, 1954.

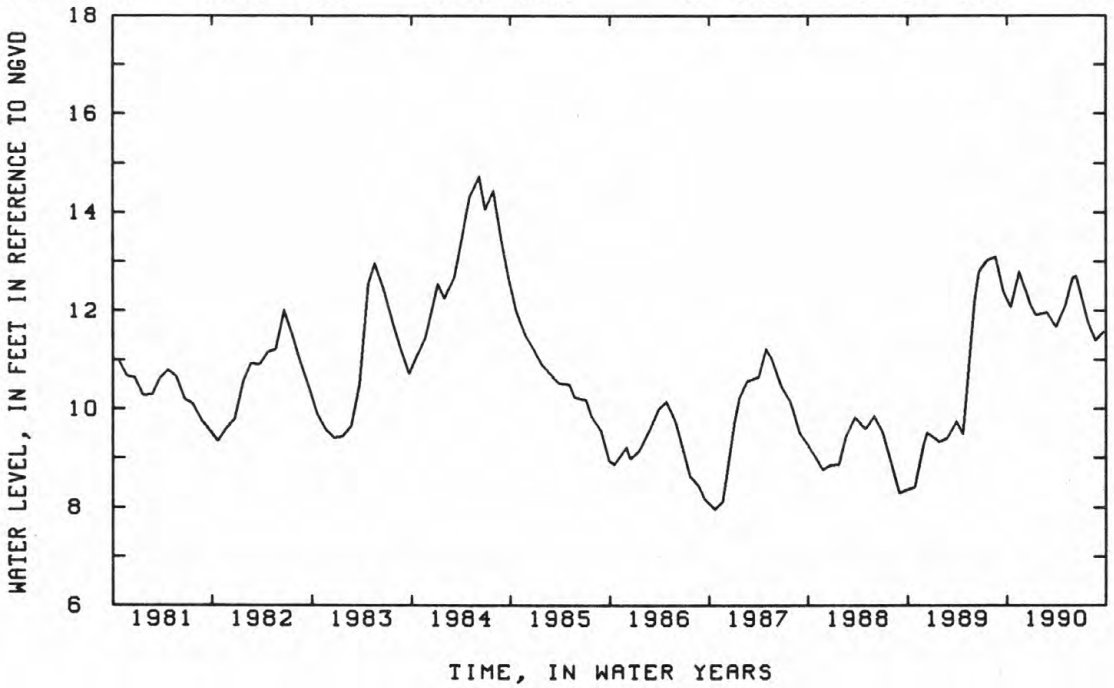
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	2.36	DEC 27	4.22	FEB 22	5.32	APR 23	5.03	JUN 11	1.81	AUG 20	3.88
NOV 29	3.78	JAN 29	3.68	MAR 28	4.28	MAY 23	4.12	JUL 20	-0.14	SEP 18	4.13

403929073382908. Local number, N 53.1
LOCATION.--Lat 40°39'29", long 73°38'29", Hydrologic Unit 02030202, at Rockville Centre Municipal Power Plant, in battery room, Maple Avenue and Morris Avenue, Rockville Centre. Owner: Village of Rockville Center.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 26.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 5.24 ft below land-surface datum.
PERIOD OF RECORD.--August 1934 to current year. Unpublished records from August 1934 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft NGVD, April 15, 1939; lowest measured, 7.85 ft NGVD, August 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	12.09	DEC 29	12.13	FEB 27	11.96	MAY 3	12.12	JUN 13	12.71	AUG 23	11.39
NOV 17	12.81	JAN 17	11.91	MAR 28	11.68	30	12.67	JUL 25	11.78	SEP 20	11.57



403922073353501. Local number, N 67.1
LOCATION.--Lat 40°39'22", long 73°35'35", Hydrologic Unit 02030202, at Freeport Power Station, in battery room, Sunrise Highway and Long Beach Avenue, Freeport. Owner: Village of Freeport.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 1052 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, May 8, 1957; lowest measured, -3.76 ft NGVD, March 23, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	7.20	DEC 19	8.48	FEB 20	9.38	MAY 22	10.40	JUL 11	9.44	SEP 13	8.29
NOV 13	9.09	JAN 18	9.25	APR 18	10.09	JUN 12	9.90	AUG 13	7.96		

404030073293703. Local number, N 180.2
LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Long Island Railroad track embankment, north of Sunrise Highway, west of Seaford-Oyster Bay Expressway, Seaford. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 723 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 6, 1952; lowest measured, 10.63 ft NGVD, July 1, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	14.77	DEC 19	15.28	FEB 20	15.93	MAY 22	16.28	JUL 11	14.67	SEP 13	14.38
NOV 13	16.00	JAN 18	15.54	APR 18	15.83	JUN 12	15.32	AUG 13	14.22		

404609073421602. Local number, N 1102.2
LOCATION.--Lat 40°46'09", long 73°42'16", Hydrologic Unit 02030201, at southwest corner of Community Drive and Long Island Expressway westbound service road, Lake Success. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 166 ft, screened 161 to 166 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 184.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaced well N 1102.1 in March 1963 at same location, which has a period of record from October 1937 to March 1963.
PERIOD OF RECORD.--April 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.02 ft NGVD, April 24, 1963; lowest measured, 28.90 ft NGVD, January 19, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	36.59	DEC 27	37.47	FEB 23	38.56	APR 24	39.07	JUN 11	39.90	AUG 20	40.11
NOV 29	37.11	JAN 29	38.24	MAR 26	38.87	MAY 23	39.62	JUL 20	40.27	SEP 18	40.33

404039073420001. Local number, N 1110.1
LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Valley Stream State Park, southeast corner of North Fletcher Avenue and entrance to parking field, Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 27 ft, screened 24 to 27 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 31.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, September 28, 1938; lowest measured, 5.78 ft NGVD, September 15, 1981.

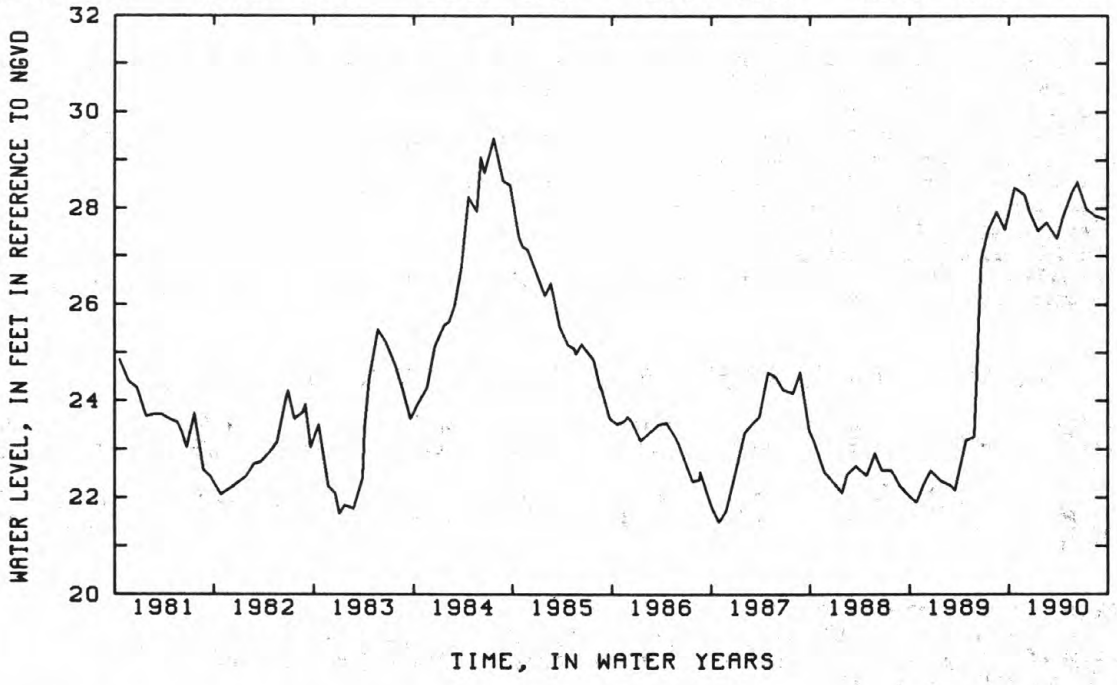
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	12.53	DEC 19	13.25	FEB 20	13.32	APR 18	13.48	JUN 12	13.82	AUG 13	12.91
NOV 13	13.52	JAN 18	13.03	MAR 26	13.25	MAY 22	13.91	JUL 11	12.80	SEP 13	13.04

404125073394802. Local number, N 1129.2
LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at east end of Euclid Avenue, 30 ft south of Hawthorne Street, West Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 51.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.46 ft below land-surface datum.
REMARKS.--Replaced well N 1129.1 in October 1966 at same location, unpublished record from August 1937 to October 1966 are available in files of 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.46 ft NGVD, July 23, 1984; lowest measured, 21.49 ft NGVD, October 29, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	28.44	DEC 19	27.92	FEB 20	27.71	APR 19	27.84	JUN 11	28.55	AUG 15	27.84
NOV 29	28.29	JAN 19	27.53	MAR 27	27.37	MAY 23	28.36	JUL 13	27.99	SEP 19	27.78



405104073375201. Local number, N 1152.1
LOCATION.--Lat 40°51'04", long 73°37'52", Hydrologic Unit 02030201, at northwest corner of Sea Cliff Avenue and Center Street, Glen Cove. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 130 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 154.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, July 13, 1961; lowest measured, 44.33 ft NGVD, April 12, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	49.17	DEC 19	49.51	FEB 20	49.93	APR 18	50.21	JUN 12	50.80	AUG 13	50.68
NOV 13	49.37	JAN 18	49.76	MAR 28	50.23	MAY 22	50.56	JUL 11	50.75	SEP 13	50.60

404659073332601. Local number, N 1194.2
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, 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 USGS personnel.
DATUM.--Land-surface datum is 168.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.02 ft below land-surface datum.
REMARKS.--Replaced well N 1194.2 in December 1961.
PERIOD OF RECORD.--December 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.18 ft NGVD, June 7, 1979; lowest measured, 74.59 ft NGVD, July 17, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	81.88	JAN 18	82.93	MAR 26	82.00	APR 26	83.08	JUN 12	83.93	AUG 13	84.74
NOV 13	82.70	FEB 20	82.93	APR 18	83.40	MAY 22	84.09	JUL 11	84.02	SEP 13	84.85
DEC 19	82.17										

404453073323902. Local number, N 1197.4
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 USGS personnel.
DATUM.--Land-surface datum is 117.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.95 ft below land-surface datum.
REMARKS.--Replaced well N 1197.3 in July 1975.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.13 ft NGVD, June 7, 1979; lowest measured, 64.40 ft NGVD, October 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	70.44	JAN 18	71.09	MAR 27	70.86	APR 26	71.20	JUN 12	73.83	AUG 13	72.55
NOV 13	71.38	FEB 20	70.80	APR 18	71.14	MAY 22	72.31	JUL 11	72.74	SEP 13	72.22
DEC 19	71.21										

405000073293301. Local number, N 1228.3
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 USGS personnel.
DATUM.--Land-surface datum is 227.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.12 ft above land-surface datum.
REMARKS.--Replaced well N 1228.2 in February 1962.
PERIOD OF RECORD.--February 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.69 ft NGVD, May 29, 1980; lowest measured, 52.22 ft NGVD, July 18, 1967.

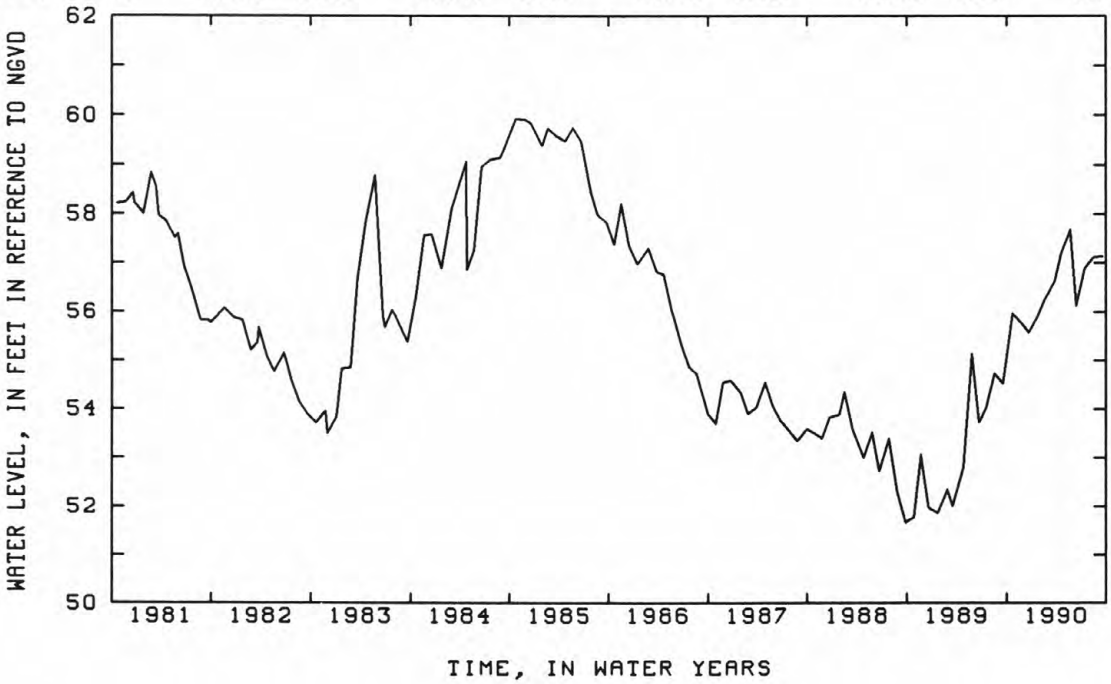
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	62.68	DEC 20	64.00	FEB 20	64.67	MAY 22	65.87	JUL 12	65.65	SEP 13	66.27
NOV 13	63.35	JAN 18	65.89	MAR 27	65.62	JUN 12	65.42	AUG 13	65.96		

405027073272602. Local number, N 1243.5
LOCATION.--Lat 40°50'26", long 73°27'20", Hydrologic Unit 02030201, at south side of Stillwell Road, 98 ft west of Harbor Road, Cold Spring Harbor. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 28 ft, screened 25 to 28 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.92 ft below land-surface datum.
REMARKS.--Replaced well N 1243.4 in September 1975 at same location, unpublished records from November 1939 to September 1975 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.70 ft NGVD, March 21, 1978; lowest measured, 51.66 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

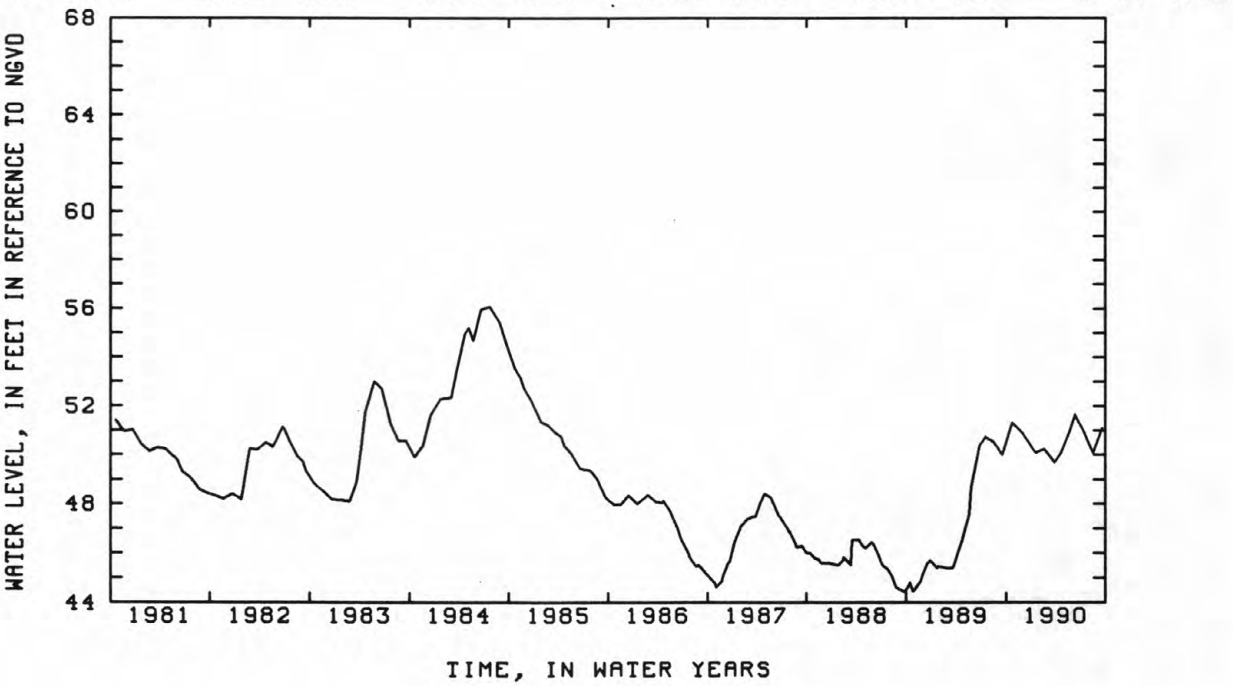
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	55.97	DEC 20	55.58	FEB 20	56.26	APR 19	57.21	JUN 14	56.13	AUG 15	57.12
NOV 29	55.73	JAN 23	55.91	MAR 27	56.65	MAY 23	57.68	JUL 13	56.88	SEP 19	57.13



404317073291105. Local number, N 1259.5
LOCATION.--Lat 40°43'16", long 73°29'10", Hydrologic Unit 02030202, at south side of Mary Lane, 79 ft east of Hicksville Road, 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 USGS personnel.
DATUM.--Land-surface datum is 78.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.08 ft above land-surface datum.
REMARKS.--Replaced well N 1259.4 in June 1961 at same location, unpublished records from January 1909 to June 1961 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--June 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft NGVD, February 21, 1978; lowest measured, 44.41 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

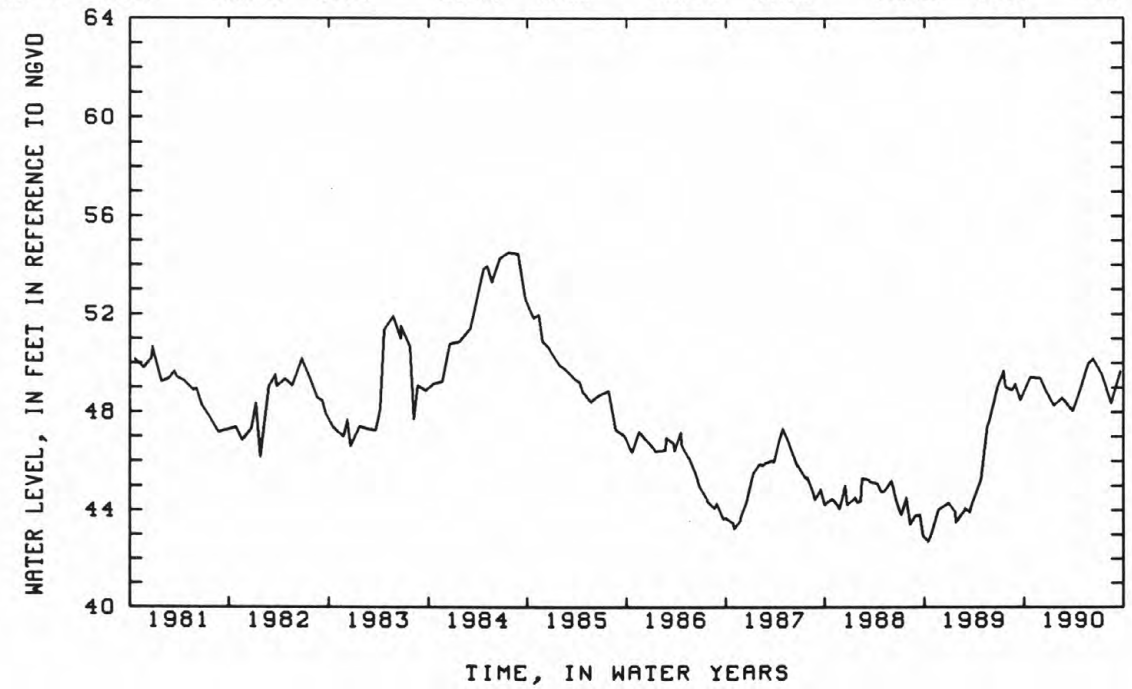
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	51.31	DEC 19	50.61	FEB 20	50.23	APR 19	50.09	JUN 11	51.67	AUG 15	50.08
NOV 29	50.93	JAN 19	50.10	MAR 27	49.68	MAY 23	51.01	JUL 13	50.95	SEP 19	51.10



404302073295705. Local number, N 1263.4
LOCATION.--Lat 40°43'02", long 73°29'58", Hydrologic Unit 02030202, at northeast corner of Wantagh Avenue and Miller Place, Levittown. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 35 ft, screened 32 to 35 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 67.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.41 ft below land-surface datum.
REMARKS.--Replaced well N 1263.3 in December 1952 at same location, unpublished records from June 1936 to December 1952 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--December 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.74 ft NGVD, March 21, 1978; lowest measured, 42.70 ft NGVD, October 14, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	49.41	DEC 19	48.91	FEB 20	48.57	APR 19	48.75	JUN 11	50.19	AUG 15	48.38
NOV 29	49.38	JAN 19	48.29	MAR 27	48.06	MAY 23	49.93	JUL 13	49.52	SEP 19	49.65



404042073292601. Local number, N 1464.1
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 USGS personnel.
DATUM.--Land-surface datum is 28.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, March 25, 1975; lowest measured, 12.22 ft NGVD, January 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	15.63	DEC 19	16.00	FEB 20	16.14	APR 18	16.30	JUN 12	16.68	AUG 13	15.30
NOV 13	16.32	JAN 18	15.72	MAR 26	15.90	MAY 22	16.56	JUL 18	15.67	SEP 13	16.14

405019073415301. Local number, N 1482.1
LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 55 ft west of Pleasant Avenue, east well, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confining unit).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 151 ft, screened 148 to 151 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel casing, 0.23 ft below land-surface datum.
PERIOD OF RECORD.--November 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.25 ft NGVD, May 23, 1990; lowest measured, -19.18 ft NGVD, July 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.15	DEC 27	6.36	FEB 22	7.42	APR 23	7.04	JUN 11	9.29	AUG 20	9.60
NOV 29	6.77	JAN 29	7.56	MAR 27	7.11	MAY 23	10.25	JUL 20	7.78	SEP 18	9.80

405019073415302. Local number, N 1483.1
LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 58 ft west of Pleasant Avenue, middle well, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 99 ft, screened 96 to 99 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel casing, 0.55 ft below land-surface datum.
PERIOD OF RECORD.--February 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.94 ft NGVD, September 9, 1955; lowest measured, -7.13 ft NGVD, September 3, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	8.68	DEC 27	8.19	FEB 22	8.56	APR 23	8.93	JUN 11	9.59	AUG 20	8.79
NOV 29	8.47	JAN 29	8.26	MAR 27	8.56	MAY 23	9.51	JUL 20	8.76	SEP 20	8.62

405019073415303. Local number, N 1484.1
LOCATION.--Lat 40°50'19", long 73°41'53", Hydrologic Unit 02030201, at north side of Mill Pond Road, 61 ft west of Pleasant Avenue, west well, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 52 ft, screened 50 to 52 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel casing, 0.88 ft below land-surface datum.
PERIOD OF RECORD.--April 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.11 ft NGVD, September 7, 1955; lowest measured, 6.19 ft NGVD, June 27, 1988.

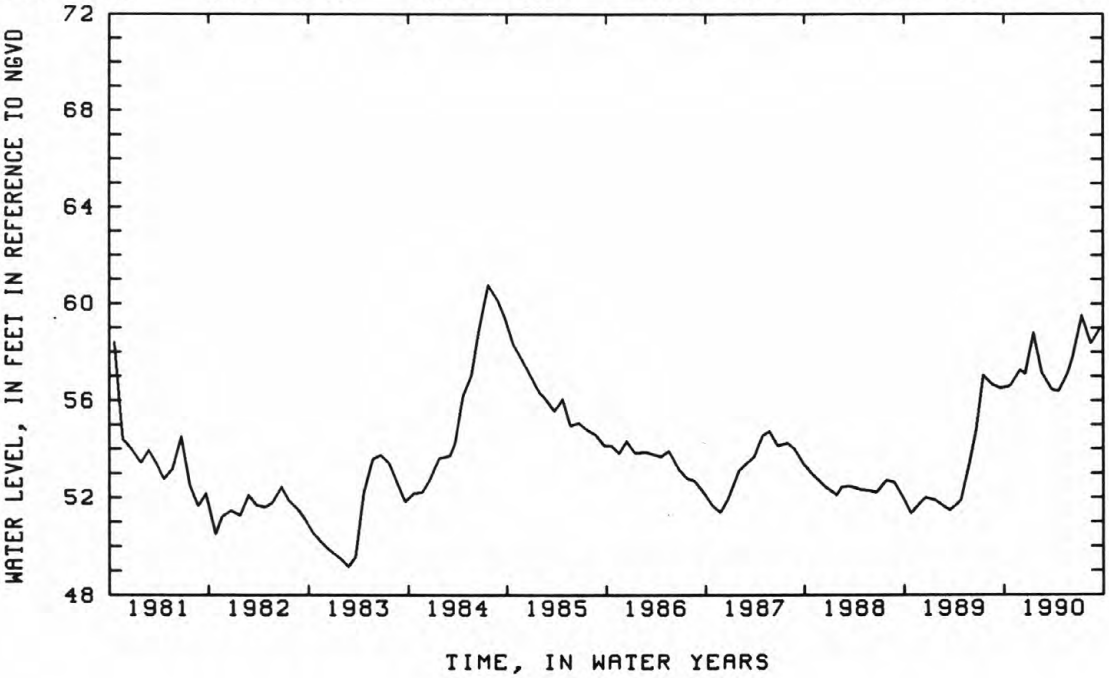
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	9.27	DEC 27	8.74	FEB 22	9.17	APR 23	9.52	JUN 11	10.05	AUG 20	9.32
NOV 29	9.05	JAN 29	8.92	MAR 27	9.13	MAY 23	10.11	JUL 20	9.26	SEP 20	8.10

404446073392904. Local number, N 1614.4
LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at west side of Herricks Road, 135 ft north of Birchwood Drive, North Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 53 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 101.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 1.16 ft below land-surface datum.
REMARKS.--Replaced well N 1614.3 in April 1966 at same location, unpublished records from December 1933 to September 1975 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--April 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.78 ft NGVD, July 23, 1984; lowest measured, 48.42 ft NGVD, December 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

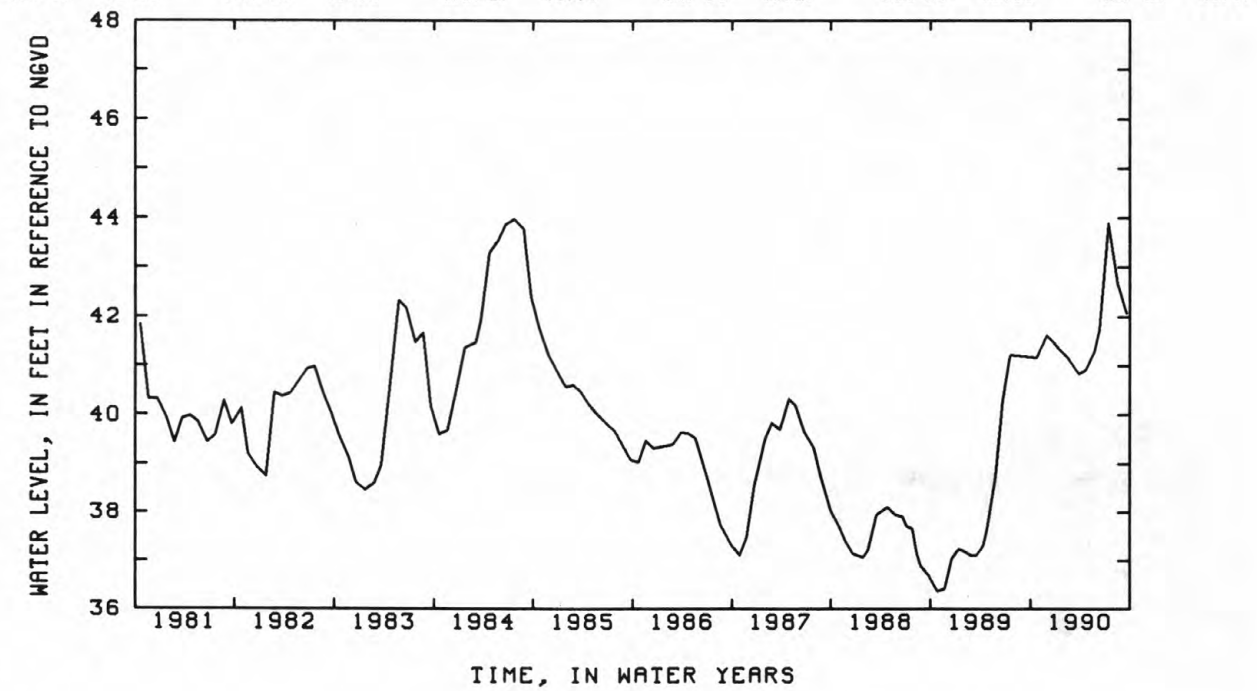
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	56.60	DEC 19	57.10	FEB 20	57.15	APR 19	56.40	JUN 11	57.82	AUG 15	58.37
NOV 29	57.26	JAN 19	58.81	MAR 27	56.45	MAY 23	57.14	JUL 13	59.51	SEP 19	58.95



404209073340601. Local number, N 1615.3
LOCATION.--Lat 40°42'09", long 73°34'06", Hydrologic Unit 02030202, at east side of Merrick Avenue, 100 ft south of Van Buren Avenue, Freeport. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 61.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.13 ft below land-surface datum.
REMARKS.--Replaced well N 1615.2 in August 1966 at same location, unpublished record from March 1913 to August 1966 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--August 1966 to current year. Unpublished records from August 1966 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.27 ft NGVD, March 19, 1979; lowest measured, 36.37 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

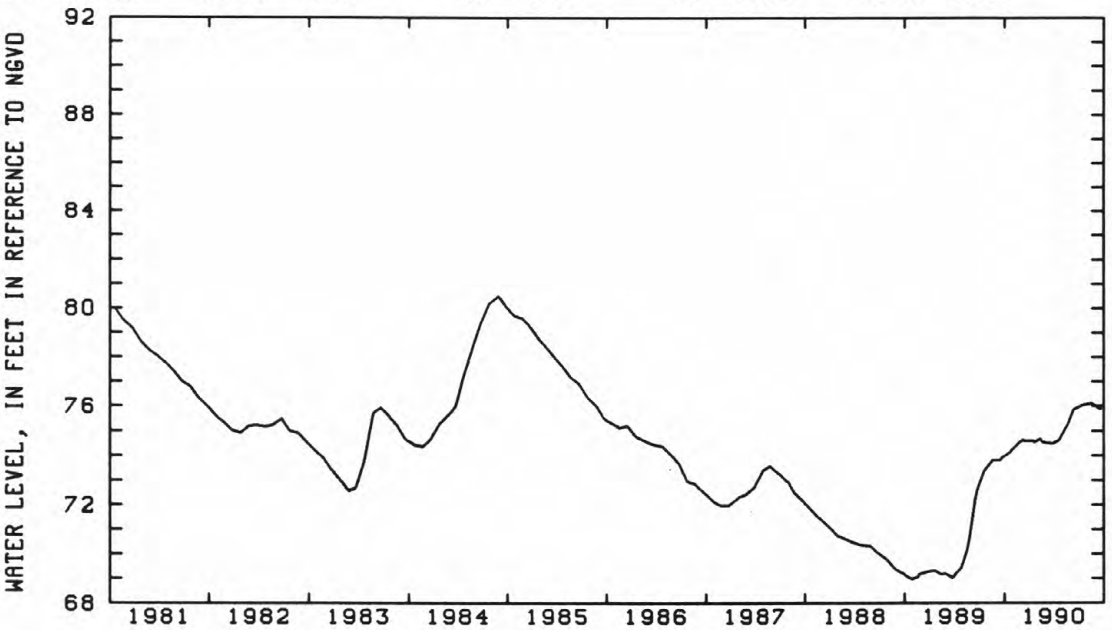
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.17	DEC 19	41.53	FEB 20	41.14	APR 19	40.91	JUN 11	41.75	AUG 15	42.69
NOV 29	41.61	JAN 19	41.32	MAR 27	40.84	MAY 23	41.29	JUL 13	43.90	SEP 19	42.07



404554073351502. Local number, N 1616.2
LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at south side of Argyle Road, south loop, just west of Post Avenue, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 68 ft, screened 65 to 68 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 122.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.42 ft below land-surface datum.
REMARKS.--Replaced well N 1616.1 in October 1965 at same location, it was previously screened in Upper Glacial Aquifer, which has a period of record from March 1913 to October 1965.
PERIOD OF RECORD.--October 1965 to current year. Unpublished record from October 1965 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.14 ft NGVD, June 20, 1980; lowest measured, 68.28 ft NGVD, February 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	74.12	DEC 5	74.63	JAN 19	74.54	MAR 27	74.48	MAY 23	75.29	AUG 15	76.12
24	74.21	19	74.58	FEB 12	74.68	APR 19	74.61	JUN 11	75.85	SEP 17	75.87
NOV 29	74.56	JAN 16	74.58	20	74.54	25	74.72	JUL 13	76.04	19	75.90



405101073343401. Local number, N 2528.2
LOCATION.--Lat 40°50'01", long 73°34'32", Hydrologic Unit 02030201, at south side of Chicken Valley Road, 83 ft west of Wolver Hollow Road, Upper Brookville. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in. to 4 in., depth 328 ft, screened 278 to 282 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 93.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel reducer, 0.86 ft above land-surface datum.
REMARKS.--Replaced well N 2528.1 in November 1947.
PERIOD OF RECORD.--December 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft NGVD, July 25, 1957; lowest measured, 59.12 ft NGVD, February 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	67.61	DEC 19	68.29	FEB 20	68.70	APR 18	69.03	JUN 12	70.41	AUG 13	70.03
NOV 13	68.35	JAN 18	68.35	MAR 27	68.76	MAY 22	70.25	JUL 11	70.21	SEP 13	70.26

404619073270601. Local number, N 3355.2
LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at former site of Nassau County Sanitarium, 336 ft west of Round Swamp Road, south of Locust Road, in wooden recorder shelter, Plainview. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in. to 8 in., depth 1,093 ft, screened 1,070 to 1,090 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 183.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 10, 1957; lowest measured, 23.18 ft NGVD, April 11, 1972.

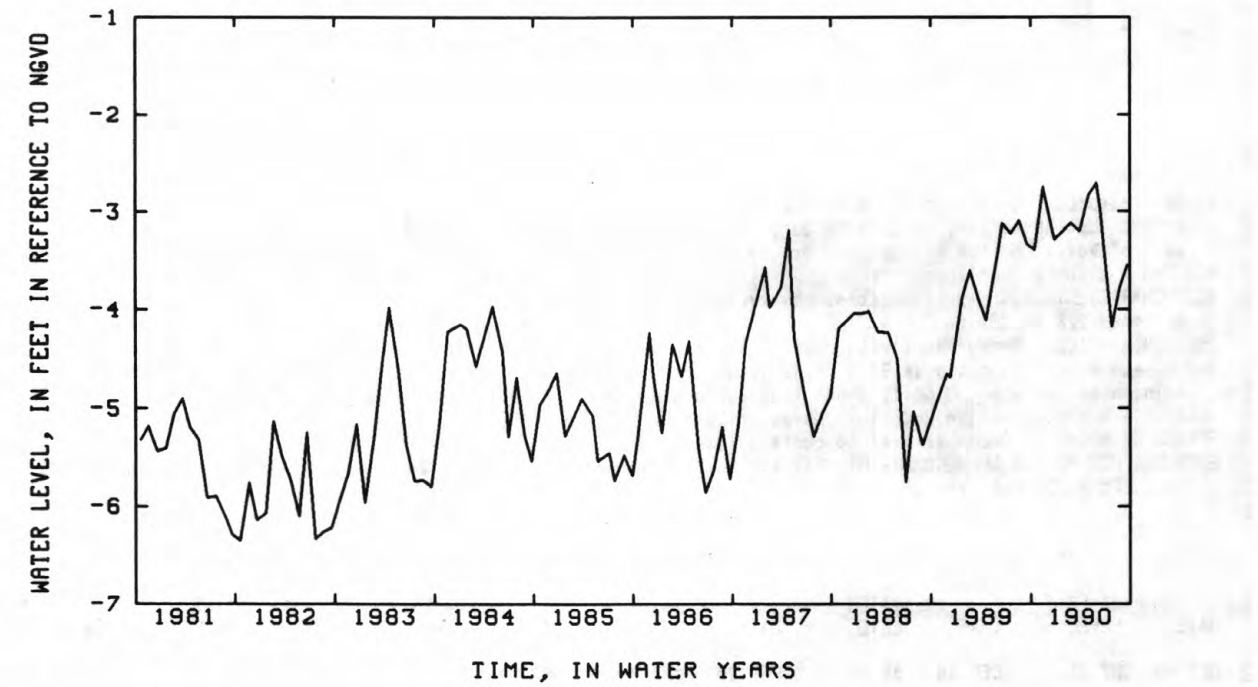
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	29.92	DEC 20	31.19	FEB 20	31.82	MAY 22	32.71	JUL 12	31.96	SEP 13	31.74
NOV 13	30.68	JAN 18	31.69	APR 18	32.22	JUN 13	32.57	AUG 13	31.55		

403751073440201. Local number, N 3861.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, north of Peninsula Boulevard and east of Arlington Place, Cedarhurst. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 530 ft, screened 519 to 530 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.37 ft above land-surface datum.
PERIOD OF RECORD.--April 1952 to current year. Unpublished records from April 1952 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.71 ft NGVD, May 30, 1990; lowest measured, -7.57 ft NGVD, August 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

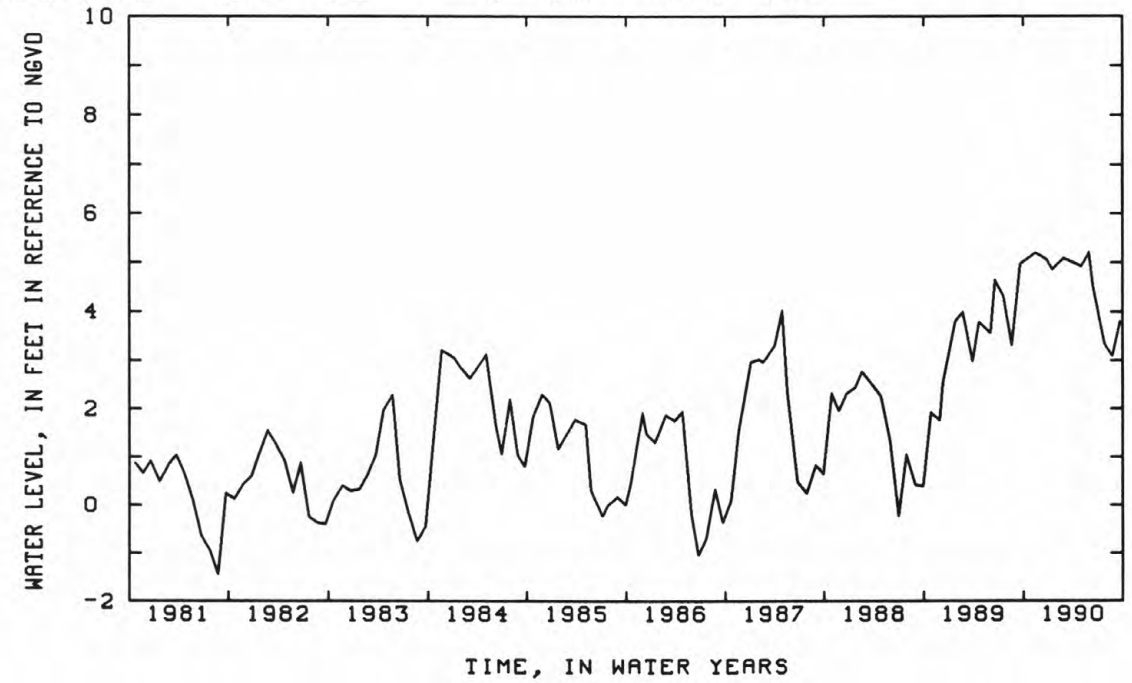
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	-3.39	DEC 29	-3.29	FEB 27	-3.12	MAY 2	-2.83	JUN 13	-2.98	AUG 23	-3.78
NOV 17	-2.75	JAN 17	-3.24	MAR 28	-3.20	30	-2.71	JUL 25	-4.18	SEP 20	-3.55



403911073432701. Local number, N 3867.2
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, 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 USGS personnel.
DATUM.--Land-surface datum is 7.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 1.54 ft above land-surface datum.
REMARKS.--Water level affected by pumping of nearby well.
PERIOD OF RECORD.--January 1953 to current year. Unpublished records from January 1953 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft NGVD, January 28, 1953; lowest measured, -2.61 ft NGVD, July 19, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	5.20	JAN 17	4.86	MAY 2	4.92	JUN 13	4.55	AUG 23	3.09	SEP 20	3.80
DEC 29	5.05	FEB 27	5.10	30	5.21	JUL 25	3.34				



403751073440202. Local number, N 3932.1
LOCATION.--Lat 40°37'51", long 73°44'02", Hydrologic Unit 02030202, at Cedarhurst Pollution Control Plant, north of Peninsula Boulevard, east of Arlington Place, 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 USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel nipple, 3.24 ft above land-surface datum.
PERIOD OF RECORD.--June 1952 to current year. Unpublished records from June 1952 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft NGVD, November 10, 1975; lowest measured, 0.30 ft NGVD, September 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.31	DEC 29	4.47	FEB 27	4.27	MAY 2	4.47	JUN 13	4.32	AUG 23	3.60
NOV 17	4.60	JAN 17	4.37	MAR 28	4.16	30	5.03	JUL 25	3.39	SEP 20	3.99

403713073415901. Local number, N 4026.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock, east 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 USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing at yellow arrow, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.27 ft NGVD, March 21, 1984; lowest measured, -0.26 ft NGVD, September 30, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.24	JAN 17	4.43	MAY 2	4.79	JUN 22	4.69	AUG 23	4.06	SEP 20	4.56
DEC 29	4.70	MAR 2	4.63	30	5.04	JUL 25	3.73				

403844073340801. Local number, N 4150.2
LOCATION.--Lat 40°38'43", long 73°34'07", Hydrologic Unit 02030202, at south side of Albany Avenue, in driveway of Nassau County Department of Public Works building, Freeport. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 765 ft, screened 729 to 745 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in. steel valve, 0.55 ft below land-surface datum.
PERIOD OF RECORD.--January 1968 to current year. Unpublished records from January 1968 to September 1987 are available in files of Long Island sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.25 ft NGVD, July 1, 1975; lowest measured, 5.24 ft NGVD, July 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.59	DEC 29	6.64	FEB 27	7.48	MAY 30	8.50	JUL 25	7.18	SEP 20	7.82
NOV 17	8.22	JAN 17	7.38	MAY 2	7.62	JUN 13	8.02	AUG 23	7.61		

403911073432001. Local number, N 4213.1
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, 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 USGS personnel.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 3.42 ft above land-surface datum.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft NGVD, June 30, 1975; lowest measured, -2.40 ft NGVD, March 22, 1972.

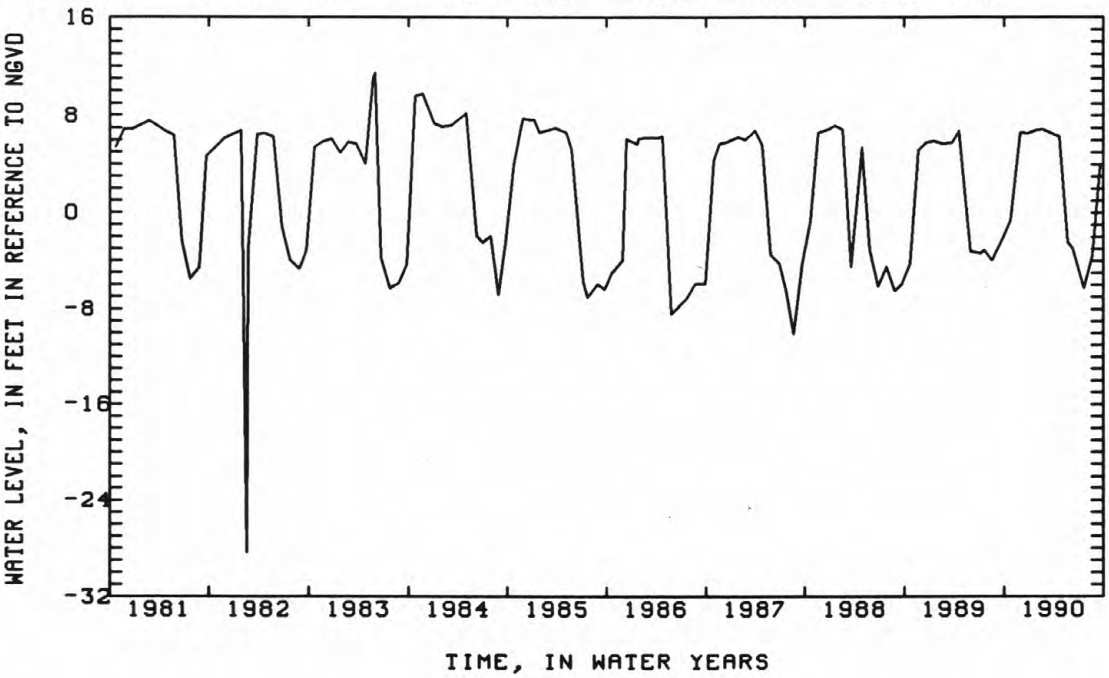
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	5.21	JAN 17	4.90	MAY 2	5.01	JUN 13	4.71	AUG 23	2.97	SEP 20	3.72
DEC 29	5.07	FEB 27	5.11	30	5.29	JUL 25	3.22				

405125073420702. Local number, N 6282.2
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, north of Middle Neck Road, Sands Point. Owner: United States Geological Survey.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 396 ft, screened 378 to 388 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 101.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 1.32 ft above land-surface datum.
REMARKS.--Water level affected by pumping of nearby well.
PERIOD OF RECORD.--August 1957 to current year. Unpublished records from August 1957 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.49 ft NGVD, May 31 and June 1, 1983; lowest measured, -28.36 ft NGVD, February 17, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-0.57	DEC 27	6.54	FEB 22	6.88	MAY 23	-2.40	JUL 20	-6.22	SEP 18	3.91
NOV 29	6.61	JAN 29	6.82	APR 23	6.31	JUN 11	-3.01	AUG 20	-3.52		



405001073343205. Local number, N 6294.2
LOCATION.--Lat 40°50'01", long 73°34'32", Hydrologic Unit 02030201, at south side of Chicken Valley Road, 85 ft west of Wolver Hollow Road, Upper Brookvile. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 37 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 93.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.30 ft below land-surface datum.
PERIOD OF RECORD.--September 1982 to current year. Unpublished records from September 1982 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.07 ft NGVD, December 18, 1984; lowest measured, 63.81 ft NGVD, March 21, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	67.61	DEC 20	68.28	MAR 27	68.78	MAY 22	70.08	JUL 11	70.30	SEP 13	70.30
NOV 13	68.42	FEB 20	68.73	APR 18	68.99	JUN 12	70.53	AUG 13	70.03		

405125073420705. Local number, N 6342.1
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, north of Middle Neck Road, 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 USGS personnel.
DATUM.--Land-surface datum is 97.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 3.99 ft above land-surface datum.
PERIOD OF RECORD.--August 1957 to current year. Unpublished records from August 1957 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft NGVD, September 14, 1984; lowest measured, 14.06 ft NGVD, February 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	21.60	DEC 27	20.73	FEB 22	20.20	MAY 23	20.89	JUL 20	22.57	SEP 18	22.36
NOV 29	22.58	JAN 29	20.34	APR 23	20.43	JUN 11	21.64	AUG 20	22.62		

405212073354002. Local number, N 6668.1
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, south loop, 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 USGS personnel.
DATUM.--Land-surface datum is 103.0 ft National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.80 ft NGVD, February 2, 1979; lowest measured, 63.30 ft NGVD, April 22, 1968.

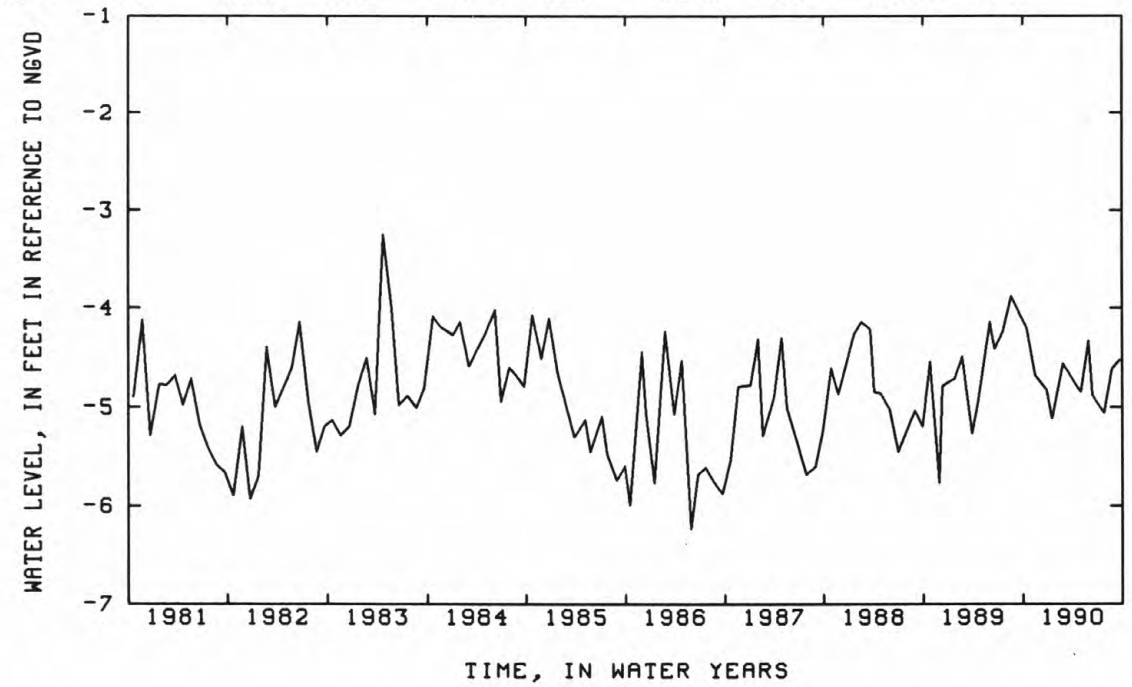
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	67.19	DEC 19	67.34	FEB 20	67.57	APR 18	67.75	JUN 12	68.11	AUG 13	68.72
NOV 13	67.18	JAN 18	67.55	MAR 27	67.76	MAY 22	67.86	JUL 11	68.51	SEP 13	68.80

403517073430702. Local number, N 6702.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, north of Beech Street, in east shelter, Atlantic Beach. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 677 ft, screened 666 to 677 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.04 ft above land-surface datum.
PERIOD OF RECORD.--September 1959 to current year. Unpublished records from September 1959 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.50 ft NGVD, April 13, 1961; lowest measured, -6.58 ft NGVD, November 30, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	-4.20	DEC 29	-4.83	FEB 27	-4.56	MAY 30	-4.33	JUL 25	-5.06	SEP 20	-4.52
NOV 17	-4.68	JAN 17	-5.12	MAY 2	-4.85	JUN 13	-4.88	AUG 23	-4.62		



403517073430705. Local number, N 6705.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, north of Beech Street, in west shelter, Atlantic Beach. Owner: United States Geological Survey.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 157 ft, screened 147 to 157 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.45 ft above land-surface datum.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1968 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.12 ft NGVD, March 3, 1969; lowest measured, -2.77 ft NGVD, April 5, 1973.

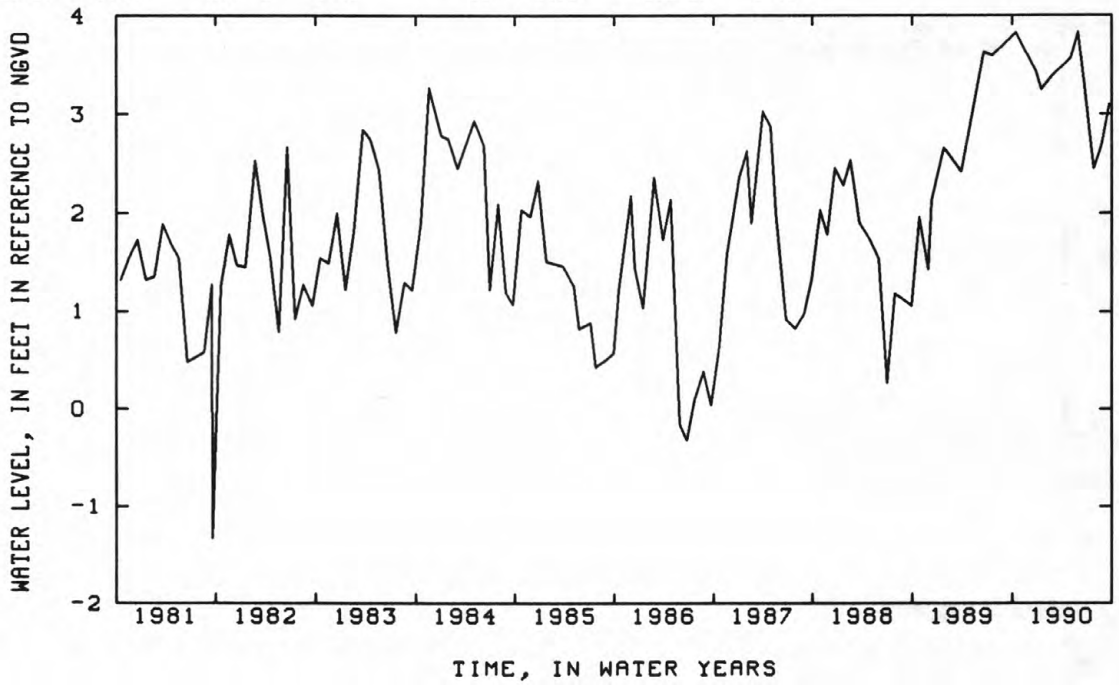
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	1.62	DEC 29	0.79	FEB 27	0.95	MAY 30	2.03	JUL 25	1.63	SEP 20	1.61
NOV 17	1.51	JAN 17	1.08	MAY 2	1.41	JUN 13	1.79	AUG 23	2.27		

403713073415902. Local number, N 6707.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock, end of Woodmere Boulevard, on north side of sewage treatment substation, in recorder shelter, Woodsburgh. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 503 ft, screened 493 to 503 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.08 ft above land-surface datum.
PERIOD OF RECORD.--October 1959 to current year. Unpublished records from October 1959 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft NGVD, March 13, 1961; lowest measured, -1.33 ft NGVD, July 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.82	JAN 17	3.25	MAY 2	3.56	JUN 22	3.29	AUG 23	2.68	SEP 20	3.10
DEC 29	3.44	MAR 2	3.41	30	3.83	JUL 25	2.45				



403533073353201. Local number, N 6849.1
LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 miles west of Loop Parkway, in south shelter, Lido Beach. Owner: United States Geological Survey.
AQUIFER.--Raritan (confining unit).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,040 ft, screened 1,027 to 1,037 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.36 ft above land-surface datum.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.66 ft NGVD, March 16, 1979; lowest measured, 3.88 ft NGVD, December 22, 1971.

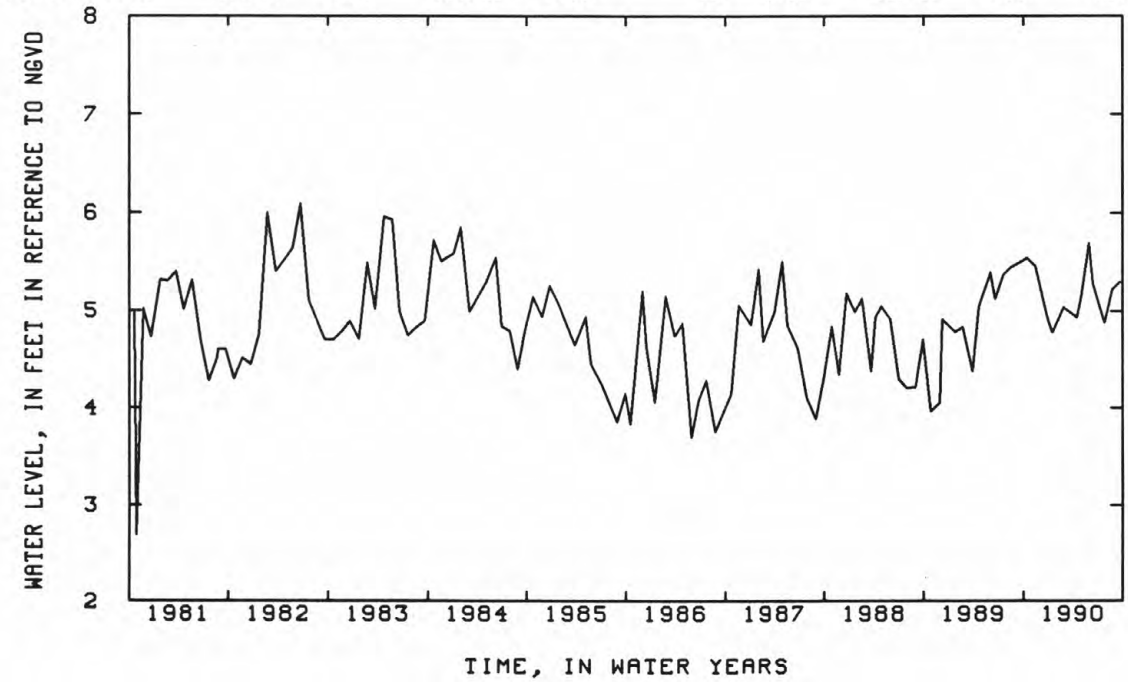
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.62	DEC 29	5.27	FEB 27	5.52	MAY 2	5.90	JUN 13	5.91	AUG 23	6.11
NOV 17	5.56	JAN 17	5.25	APR 16	5.60	30	6.40	JUL 25	6.10	SEP 20	5.84

403533073353202. Local number, N 6850.2
LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at pumping center, north of Lido Boulevard, 0.3 miles west of Loop Parkway, in north shelter, Lido Beach. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 913 ft, screened 898 to 909 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel coupling, 2.58 ft above land-surface datum.
REMARKS.--Replaced well N 6850.1 in May 1960.
PERIOD OF RECORD.--June 1960 to current year. Unpublished records from June 1960 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft NGVD, April 13, 1961; lowest measured, 2.69 ft NGVD, October 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.54	DEC 29	4.94	FEB 27	5.04	MAY 2	5.15	JUN 13	5.28	AUG 23	5.22
NOV 17	5.45	JAN 17	4.78	APR 16	4.93	30	5.69	JUL 25	4.88	SEP 20	5.29



405311073331801. Local number, N 6879.1
LOCATION.--Lat 40°53'11", long 73°33'18", Hydrologic Unit 02030201, at west side of private road, 165 ft south of Cleft Road, opposite Horse Shoe Road, Mill Neck. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 131 ft, screened 129 to 131 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 131.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.47 ft above land-surface datum.
PERIOD OF RECORD.--April 1962 to current year. Unpublished records from April 1962 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft NGVD, June 22, 1979; lowest measured, 24.82 ft NGVD, October 21, 1966.

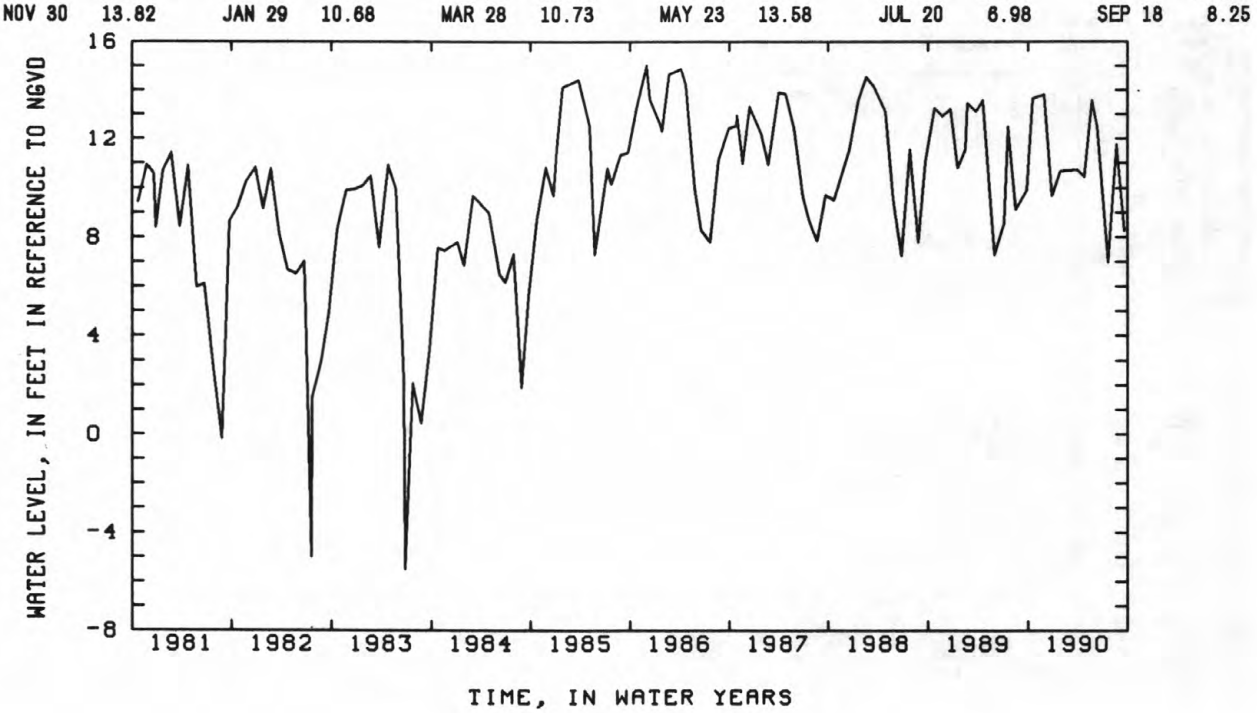
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	29.44	DEC 19	29.36	APR 13	29.28	MAY 22	29.34	JUL 11	29.85	SEP 13	29.95
NOV 13	29.47	FEB 20	31.97	18	29.25	JUN 12	29.58	AUG 13	29.98		

405432073345001. Local number, N 7152.1
LOCATION.--Lat 40°54'33", long 73°34'46", Hydrologic Unit 02030201, at Oak Neck Beach, just 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., depth 370 ft, screened 360 to 370 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 14.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel nipple, 3.63 ft above land-surface datum.
PERIOD OF RECORD.--September 1961 to current year. Unpublished records from September 1961 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft NGVD, February 5, 1962; lowest measured, -5.50 ft NGVD, June 27, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

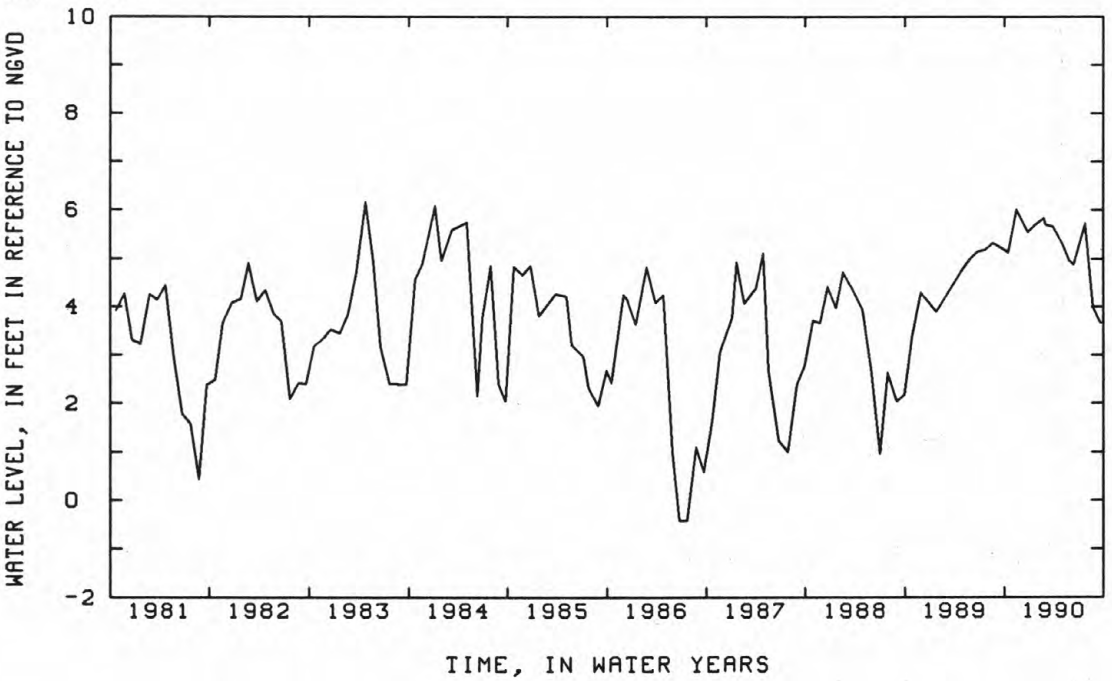
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	13.65	DEC 27	9.67	FEB 22	10.70	APR 24	10.44	JUN 11	12.54	AUG 21	11.77
NOV 30	13.82	JAN 29	10.68	MAR 28	10.73	MAY 23	13.58	JUL 20	6.98	SEP 18	8.25



403856073392603. Local number, N 7161.2
LOCATION.--Lat 40°38'56", long 73°39'26", Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, just north of the end of Roxbury Road, 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 USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.78 ft above land-surface datum.
REMARKS.--Replaced well N 7161.1 in September 1961.
PERIOD OF RECORD.--October 1961 to current year. Unpublished records from October 1961 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.03 ft NGVD, March 13, 1962; lowest measured, -2.81 ft NGVD, July 13, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.13	JAN 17	5.66	MAR 2	5.70	MAY 3	5.29	JUN 13	4.88	AUG 23	3.98
NOV 17	6.01	FEB 27	5.83	30	5.66	30	4.94	JUL 25	5.73	SEP 20	3.66
DEC 29	5.55										



403855073392402. Local number, N 7207.1
LOCATION.--Lat 40°38'55", long 73°39'24", Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, just north of the end of Roxbury Road, 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 USGS personnel.
DATUM.--Land-surface datum is 8.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 2-in. steel reducer, 2.39 ft above land-surface datum.
PERIOD OF RECORD.--January 1968 to current year. Unpublished records from January 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft NGVD, June 30, 1975; lowest measured, 1.47 ft NGVD, January 30, 1970.

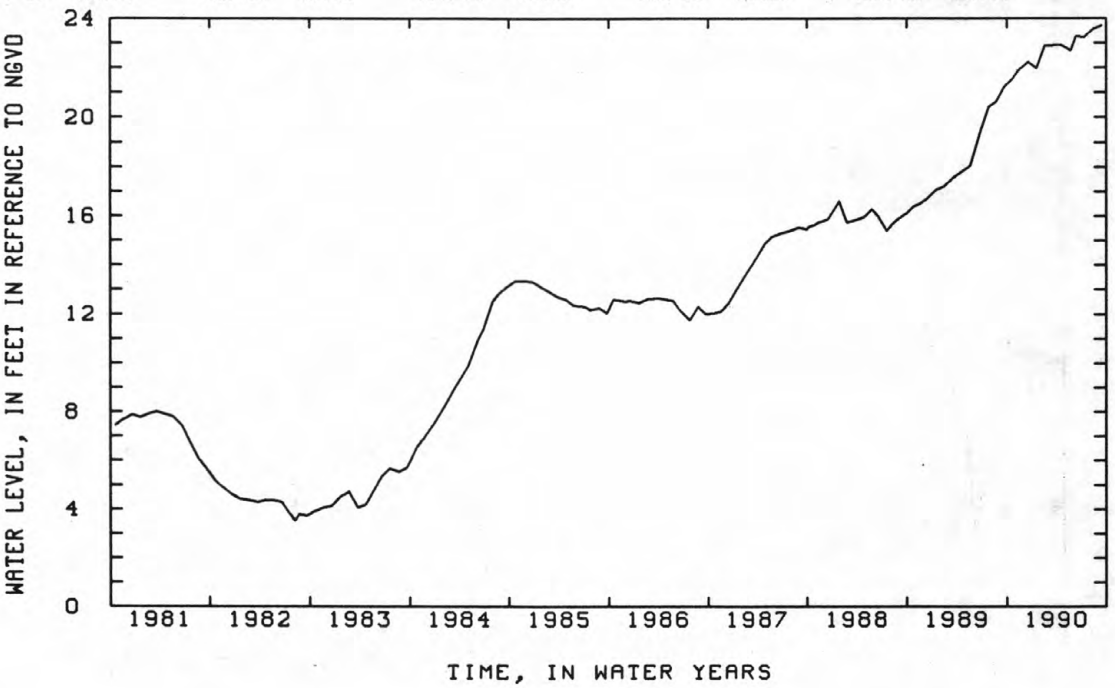
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.23	JAN 17	3.27	MAR 2	2.62	MAY 3	2.19	JUN 13	3.60	AUG 23	3.90
NOV 17	3.76	FEB 27	3.56	29	3.08	30	4.26	JUL 25	3.52	SEP 20	3.91
DEC 29	3.47										

404237073433701. Local number, N 7493.1
LOCATION.--Lat 40°42'36", long 73°43'35", Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 353 ft, screened 349 to 353 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 75.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel flange, 2.59 ft above land-surface datum.
PERIOD OF RECORD.--April 1964 to current year. Unpublished records from April 1964 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.71 ft NGVD, September 13, 1990; lowest measured, 3.52 ft NGVD, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	21.49	DEC 19	22.21	FEB 20	22.89	MAY 22	22.69	JUL 11	23.25	SEP 13	23.71
NOV 13	21.90	JAN 18	21.98	APR 18	22.93	JUN 12	23.27	AUG 13	23.54		



404705073394902. Local number, N 7554.2
LOCATION.--Lat 40°47'05", long 73°39'49", Hydrologic Unit 02030202, at Christopher Morley Park, at east end 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 USGS personnel.
DATUM.--Land-surface datum is 190.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 5.57 ft above land-surface datum.
REMARKS.--Replaced well N 7554.1 in May 1964.
PERIOD OF RECORD.--March 1964 to current year. Unpublished records from March 1964 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.62 ft NGVD, April 28, 1965; lowest measured, 21.52 ft NGVD, July 18, 1988.

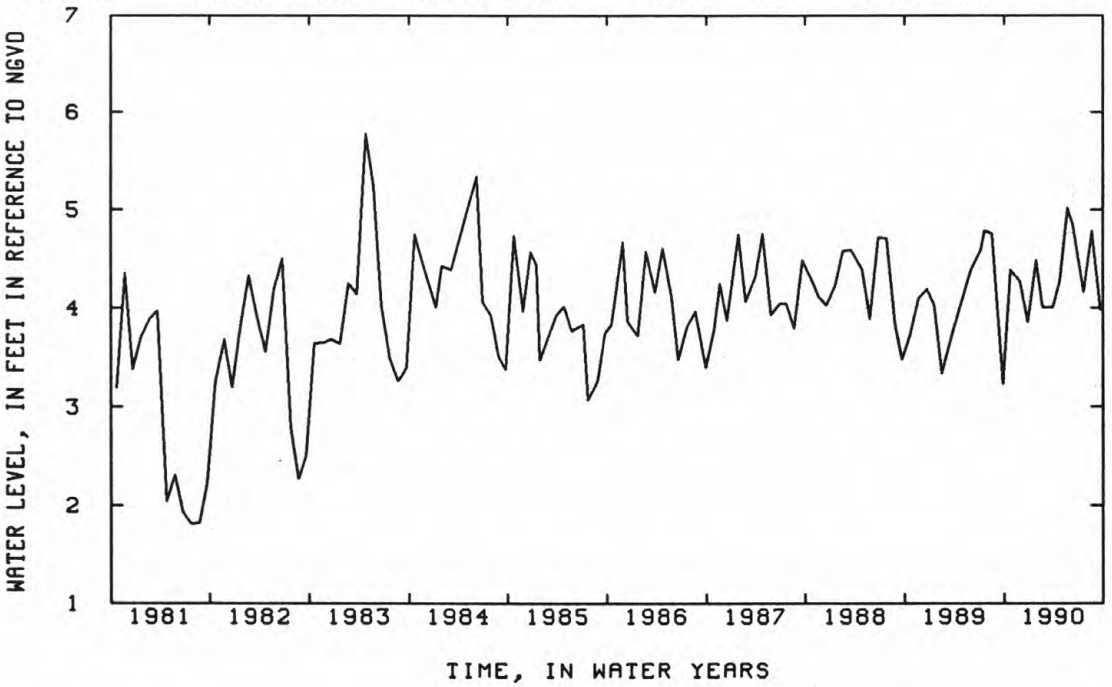
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	39.24	DEC 19	41.19	FEB 20	42.33	MAY 22	42.98	JUL 11	39.50	SEP 13	36.12
NOV 13	40.42	JAN 18	42.66	APR 18	41.92	JUN 12	42.02	AUG 13	38.45		

404947073450301. Local number, N 8046.1
LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at south side of Pond Road, 85 ft west of Hayworth Drive, Kings Point. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confined). Previously reported as Jameco Aquifer.
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 189 ft, screened 184 to 189 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 9.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.36 ft above land-surface datum.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft NGVD, February 6, 1978; lowest measured, -1.20 ft NGVD, July 19, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.39	DEC 27	3.86	FEB 22	4.01	APR 24	4.28	JUN 11	4.86	AUG 20	4.78
NOV 29	4.27	JAN 29	4.49	MAR 28	4.01	MAY 23	5.02	JUL 20	4.16	SEP 20	3.98



404947073450201. Local number, N 8052.1
LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at south side of Pond Road, 91 ft west of Hayworth Drive, Kings Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 94 ft, screened 90 to 94 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 3.65 ft above land-surface datum.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.35 ft NGVD, June 20, 1974; lowest measured, 1.70 ft NGVD, January 22, 1981.

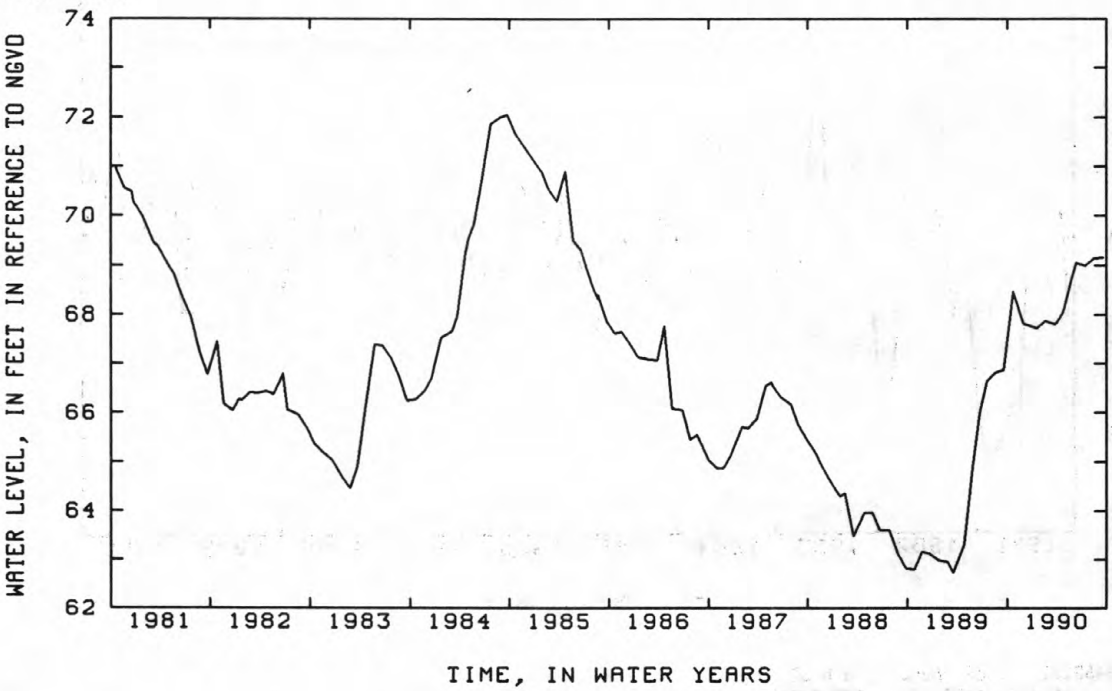
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.98	DEC 27	4.25	FEB 22	4.47	APR 24	4.52	JUN 11	5.28	AUG 20	5.05
NOV 29	4.74	JAN 29	4.75	MAR 28	4.23	MAY 23	5.42	JUL 20	4.56	SEP 20	4.46

404535073370002. Local number, N 8269.2
Location.--Lat 40°45'35", long 73°37'00", Hydrologic Unit 02030202, at east side of Bacon Road, 106 ft north of Hillside Avenue, south of school entrance, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 4 in., depth 86 ft, screened 81 to 86 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 111.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.15 ft below land-surface datum.
REMARKS.--Prior to April 1967, well was screened in Upper Glacial Aquifer. Well N 1258.1 was replaced by well N 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.
PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.18 ft NGVD, May 21, 1980; lowest measured, 62.74 ft NGVD, March 16, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

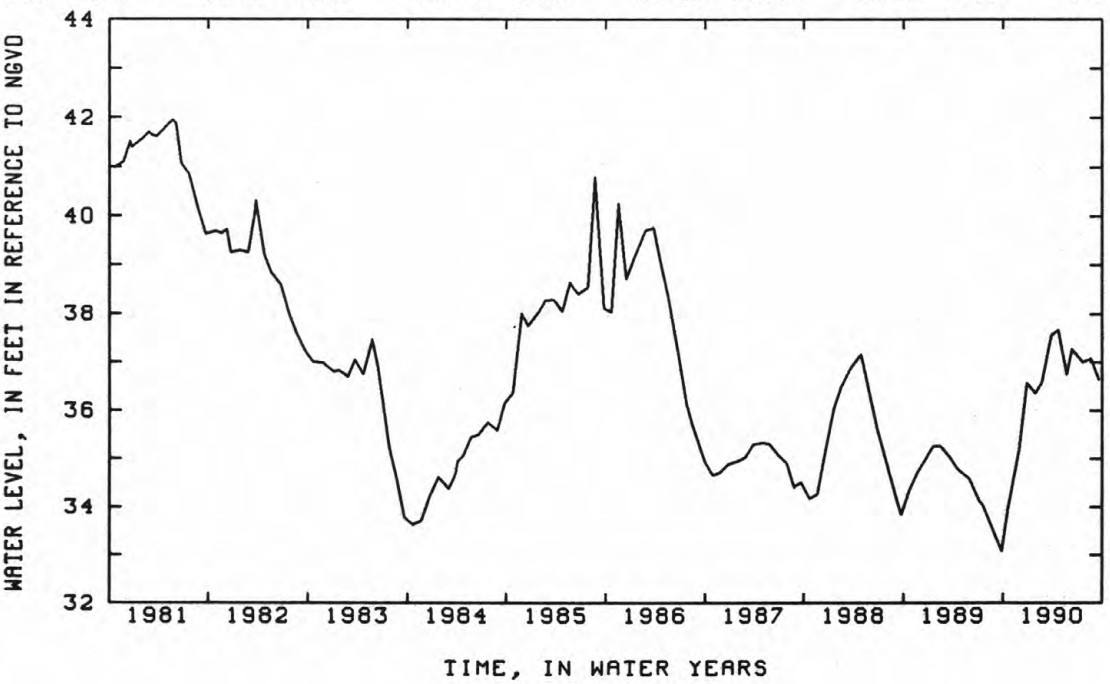
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	68.47	JAN 19	67.72	MAR 27	67.80	APR 26	68.10	JUN 11	69.05	AUG 15	69.14
NOV 29	67.81	FEB 20	67.87	APR 19	68.01	MAY 23	68.68	JUL 13	69.00	SEP 19	69.15
DEC 19	67.77										



404742073410301. Local number, N 8309.1
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 (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 199 ft, screened 194 to 199 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 143.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.15 ft below land-surface datum.
REMARKS.--Replaced well N 1121.2 in March 1967 at same location, unpublished records from March 1940 to March 1967 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.81 ft NGVD, June 20, 1980; lowest measured, 33.07 ft NGVD, September 27, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	33.92	DEC 27	36.58	FEB 22	36.59	APR 23	37.66	JUN 11	37.27	AUG 20	37.07
NOV 29	35.20	JAN 29	36.35	MAR 27	37.56	MAY 23	36.75	JUL 20	37.00	SEP 18	36.64



403942073334401. Local number, N 8847.1
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 USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.37 ft below land-surface datum.
REMARKS.--Replaced well N 3943.2 in April 1972, which replaced well N 1185.1 in June 1939.
PERIOD OF RECORD.--June 1972 to current year. Unpublished records from June 1972 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.60 ft NGVD, May 19, 1989; lowest measured, -1.04 ft NGVD, June 11, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	8.46	DEC 19	8.56	FEB 20	8.73	MAY 22	9.36	JUL 11	8.45	AUG 17	8.45
26	9.20	JAN 17	8.57	MAR 26	8.96	JUN 12	9.14	AUG 13	8.57	SEP 13	8.53
NOV 13	9.08	18	8.57	APR 18	9.23	19	8.92				

404702073305601. Local number, N 8888.1
LOCATION.--Lat 40°47'03", long 73°30'56", Hydrologic Unit 02030202, at north side of Miller Place, 59 ft east of Vincent Road, Hicksville. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 111 ft, screened 106 to 111 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 174.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.49 ft above land-surface datum.
REMARKS.--Replaced well N 1213.1 in October 1972.
PERIOD OF RECORD.--October 1972 to current year. Unpublished records from October 1972 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.22 ft NGVD, September 14, 1979; lowest measured, 76.86 ft NGVD, March 21, 1989.

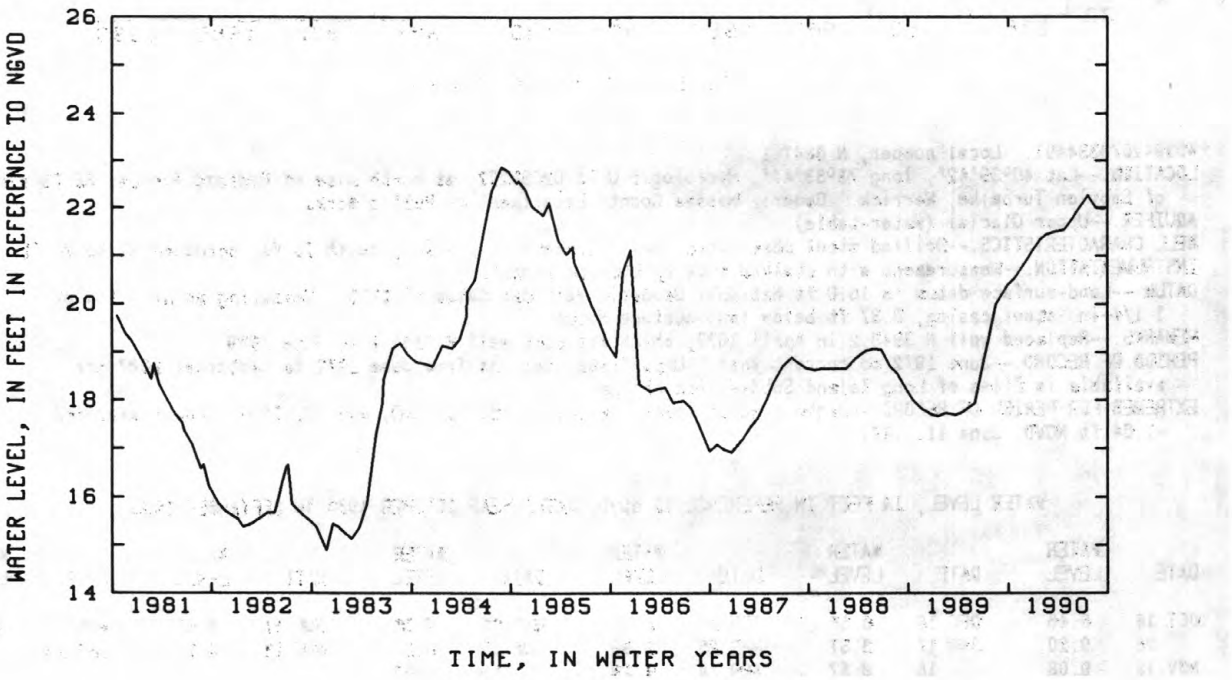
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	82.31	DEC 19	82.72	FEB 20	82.76	APR 18	82.80	JUN 12	83.60	AUG 13	84.53
NOV 13	82.70	JAN 18	82.97	MAR 27	82.71	MAY 22	83.35	JUL 11	84.03	SEP 13	84.78

404757073440401. Local number, N 9099.1
LOCATION.--Lat 40°47'57", long 73°44'04", Hydrologic Unit 02030201, at west side of Middle Neck Road, 33 ft north of Preston Road, Great Neck. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 71 ft, screened 66 to 71 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.37 ft below land-surface datum.
REMARKS.--Replaced well N 1479.1 in February 1976, which has a period of record from September 1944 to February 1976 unpublished and are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--February 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.45 ft NGVD, June 7, 1976; lowest measured, 14.90 ft NGVD, November 26, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

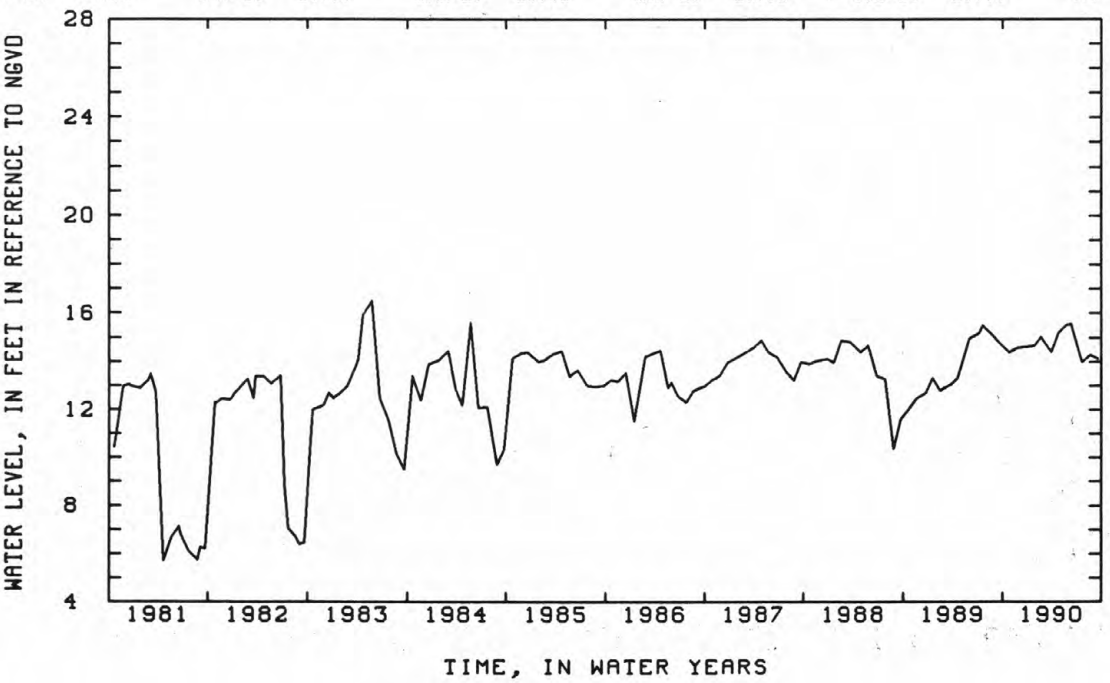
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	20.54	DEC 27	21.10	FEB 22	21.45	APR 24	21.54	JUN 11	21.94	AUG 20	21.99
NOV 29	20.84	JAN 29	21.35	MAR 28	21.51	MAY 23	21.76	JUL 20	22.26	SEP 18	21.98



404901073443004. Local number, N 9208.2
LOCATION.--Lat 40°49'01", long 73°44'30", Hydrologic Unit 02030201, at pumping field, south of Wildwood Road, east of Catalina Drive, Kings Point. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 96 ft, screened 91 to 96 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 18.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.82 ft below land-surface datum.
PERIOD OF RECORD.--June 1977 to current year. Unpublished records from June 1977 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.50 ft NGVD, May 23, 1983; lowest measured, 5.68 ft NGVD, April 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	14.39	DEC 27	14.62	FEB 22	15.05	APR 24	15.18	JUN 11	15.57	AUG 20	14.28
NOV 29	14.61	JAN 29	14.68	MAR 28	14.41	MAY 23	15.51	JUL 20	13.99	SEP 18	14.11



404232073432501. Local number, N 9979.1
LOCATION.--Lat 40°42'32", long 73°43'25", Hydrologic Unit 02030202, at west side of Wellington Road, 279 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 95 ft, screened 92 to 95 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 71.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.36 ft below land-surface datum.
REMARKS.--Replaced well N 1622.4 in June 1982.
PERIOD OF RECORD.--December 1982 to current year. Unpublished records from December 1982 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.97 ft NGVD, August 13, 1990; lowest measured, 5.39 ft NGVD, April 8, 1983.

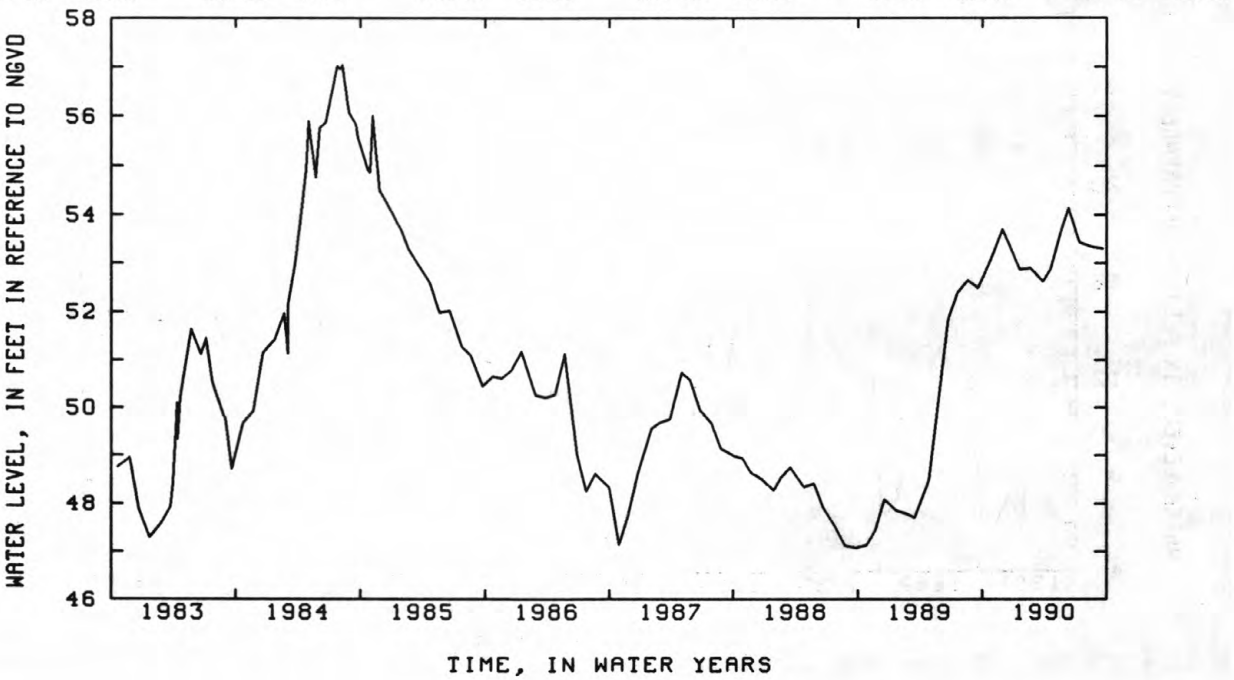
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	21.91	DEC 19	22.50	FEB 20	22.85	APR 18	22.75	JUN 12	23.31	AUG 13	23.97
NOV 13	22.12	JAN 18	22.93	MAR 26	23.12	MAY 22	23.14	JUL 11	23.69	SEP 13	23.82

404338073371502. Local number, N 10035.1
LOCATION.--Lat 40°43'38", long 73°37'15", Hydrologic Unit 02030202, at north side of Commercial Avenue, 60 ft east of Clinton Avenue, Garden City. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 56 ft, screened 48 to 53 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 77.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.38 ft below land-surface datum.
REMARKS.--Replaced well N 1255.2 in October 1982, records from May 1913 to October 1982 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--October 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.04 ft NGVD, August 8, 1984; lowest measured, 47.07 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	53.06	DEC 19	53.39	FEB 20	52.90	APR 19	52.89	JUN 11	54.15	AUG 15	53.34
NOV 29	53.71	JAN 19	52.87	MAR 27	52.63	MAY 23	53.75	JUL 13	53.44	SEP 19	53.31



404451073475003. Local number, Q 283.2
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and 171st Street, Flushing. Owner: City of New York, Department of Water Supply, Gas and Electricity.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 USGS personnel.
DATUM.--Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel plate, 0.37 ft above land-surface datum.
PERIOD OF RECORD.--June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.98 ft NGVD, May 24, 1990; lowest measured, -27.40 ft NGVD, September 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-0.12	DEC 20	2.65	FEB 22	4.98	APR 24	7.79	JUN 21	6.42	AUG 17	1.28
NOV 2	1.62	JAN 30	4.52	MAR 31	7.05	MAY 24	7.98	JUL 17	5.33	SEP 24	3.91
15	1.72										

403624073491601. Local number, Q 287.1
LOCATION.--Lat 40°36'24", long 73°49'16", Hydrologic Unit 02030202, at Shad Creek 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 USGS personnel.
DATUM.--Land-surface datum is 8.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in. to 4-in. steel reducer bushing, 0.52 ft below land-surface datum.
PERIOD OF RECORD.--January 1944 to current year. Unpublished records from January 1944 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.79 ft NGVD, January 1, 1945; lowest measured, -0.96 ft NGVD, September 5, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	4.79	DEC 28	5.29	FEB 27	4.68	MAY 14	5.69	JUL 12	5.29	SEP 24	4.48
NOV 17	4.63	JAN 30	5.33	MAY 1	6.19	JUN 12	6.16				

404541073452601. Local number, Q 470.1
LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at Cross Island Parkway and Northern Boulevard, Bayside. Owner: Bayside Power Station.
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 USGS personnel.
DATUM.--Land-surface datum is 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel coupling, 0.73 ft above land-surface datum.
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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.81 ft NGVD, January 21, 1980; lowest measured, -7.44 ft NGVD, July 29, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	2.34	JAN 30	6.84	MAR 29	8.40	MAY 14	9.80	JUL 12	4.19	SEP 24	4.52
NOV 17	3.55	FEB 27	8.08	APR 25	9.36	JUN 12	7.26	AUG 21	2.76		

404541073452602. Local number, Q 471.1
LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at Cross Island Parkway and Northern Boulevard, Bayside. Owner: Bayside Power Station.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.-- Drilled steel observation well, diameter 8 in., depth 118 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel flange, 5.22 ft above land-surface datum.
PERIOD OF RECORD.--March 1939 to current year. Unpublished records from March 1939 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.84 ft NGVD, December 29, 1961; lowest measured, 12.83 ft NGVD, April 19, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	16.21	JAN 30	16.78	MAR 29	16.68	MAY 14	17.00	JUL 12	16.79	SEP 24	16.90
NOV 17	16.34	FEB 27	16.70	APR 25	16.90	JUN 12	17.07	AUG 21	16.82		

403454073495602. Local number, Q 1071.2
LOCATION.--Lat 40°34'54", long 73°49'56", Hydrologic Unit 02030202, at Mark's Avenue, Rockaway Park. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 12 in. to 2 in., depth 836 ft, screened 771 to 836 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 9.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel extension, 2.24 ft above land-surface datum.
PERIOD OF RECORD.--December 1976 to current year. Unpublished records from December 1976 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.57 ft NGVD, May 1, 1990; lowest measured, 1.17 ft NGVD, October 11, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	3.97	DEC 28	4.66	FEB 27	4.91	MAY 1	5.57	JUN 12	5.56	JUL 12	4.87
NOV 17	3.96	JAN 30	4.67	MAR 21	4.24	14	5.07				

403958073445801. Local number, Q 1187.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at North Conduit and 225th Street, Rosedale. Owner: City of New York.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 130 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of small hole in 8-in. steel cap, 4.71 ft above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.53 ft NGVD, June 21, 1989; lowest measured, 2.26 ft NGVD, June 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	7.64	DEC 20	7.84	FEB 22	7.91	APR 23	8.13	JUN 21	8.15	AUG 17	8.21
NOV 2	8.07	JAN 30	7.77	MAR 30	7.71	MAY 24	8.23	JUL 16	7.81	SEP 14	7.87
15	7.81										

403958073445801. Local number, Q 1189.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at North Conduit and 225th Street, Rosedale. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of small hole in 6-in. steel cap, 1.76 above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, June 21, 1989; lowest measured, 1.86 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	6.50	DEC 20	6.42	FEB 22	6.63	APR 23	6.94	JUN 21	6.85	AUG 17	6.52
NOV 2	6.93	JAN 30	6.50	MAR 30	6.41	MAY 24	7.01	JUL 16	6.42	SEP 14	6.47
15	6.81										

403959073474401. Local number, Q 1237.1
LOCATION.--Lat 40°39'59", long 73°47'44", Hydrologic Unit 02030202, at Belt Parkway Exit Ramp, South Ozone Park. Owner: City of New York.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 227 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 1 1/4-in. steel reducer, 0.4 ft below land-surface datum.
PERIOD OF RECORD.--December 1950 to current year. Unpublished records from December 1950 to September are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.94 ft NGVD, August 23, 1989; lowest measured, -4.55 ft NGVD, July 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	4.86	DEC 20	4.29	FEB 22	4.96	APR 23	5.07	JUN 21	5.26	AUG 17	4.77
NOV 2	3.57	JAN 29	4.69	MAR 31	5.19	MAY 24	5.47	JUL 16	5.04	SEP 14	4.84
15	3.67	30	5.56								

404240073443401. Local number, Q 1249.1
LOCATION.--Lat 40°42'40", long 73°44'34", Hydrologic Unit 02030202, at 216th Street and 106th Avenue, Queens Village. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 88 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 72.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel coupling, 0.36 ft above land-surface datum.
PERIOD OF RECORD.--October 1940 to current year. Unpublished records from October 1940 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.41 ft NGVD, September 26, 1946; lowest measured, -5.67 ft NGVD, March 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	17.22	DEC 20	17.75	FEB 22	18.60	APR 23	19.41	JUN 21	19.91	AUG 17	19.79
NOV 2	17.62	JAN 30	18.58	MAR 31	19.09	MAY 24	19.81	JUL 16	19.84	SEP 14	19.47
15	17.71										

404302073481601. Local number, Q 1812.1
LOCATION.--Lat 40°43'02", long 73°48'16", Hydrologic Unit 02030202, at 164th Street, 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 USGS personnel.
DATUM.--Land-surface datum is 115.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling at end of 2-in. steel extension, 0.87 ft below land-surface datum.
PERIOD OF RECORD.--January 1982 to current year. Unpublished records from January 1982 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.28 ft NGVD, September 14, 1990; lowest measured, -12.80 ft NGVD, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	11.76	DEC 20	13.45	FEB 22	14.00	APR 23	14.39	JUN 21	14.57	AUG 17	14.77
NOV 2	12.57	JAN 30	13.78	MAR 31	14.39	MAY 24	14.40	JUL 16	14.62	SEP 14	15.28
15	13.01										

403957073495001. Local number, Q 2324.1
LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at North Conduit Avenue and 114th Street, South Ozone Park. Owner: New York Racing Association, Inc.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 1/2 in., depth 91 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.19 ft NGVD, June 20, 1989; lowest measured, -3.40 ft NGVD, May 25, 1959.

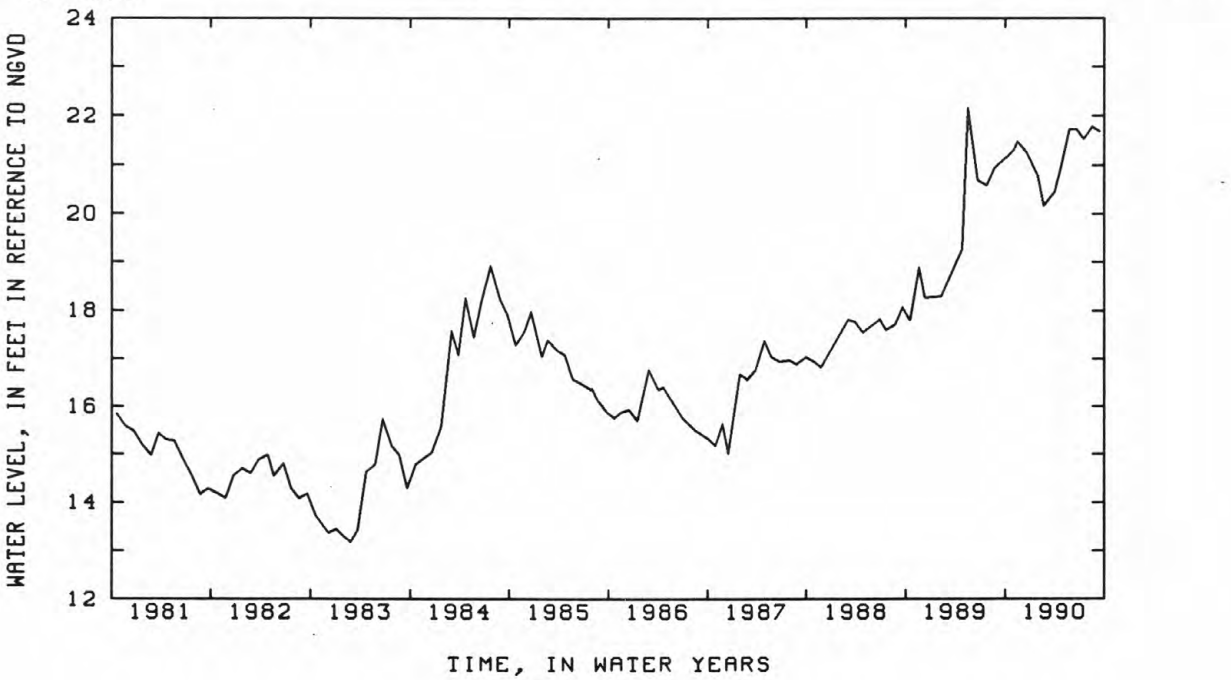
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	4.85	DEC 28	4.48	FEB 27	4.33	MAY 1	4.56	JUN 12	4.75	SEP 24	4.72
NOV 17	4.96	JAN 30	4.46	MAR 30	4.24	14	4.68	JUL 12	4.56		

404451073475002. Local number, Q 2346.1
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and Fresh Meadow Lane, Flushing. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 17 ft, screened 12 to 17 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 29.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1960 to current year. Unpublished records from August 1960 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.16 ft NGVD, May 18, 1989; lowest measured, 13.18 ft NGVD, February 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

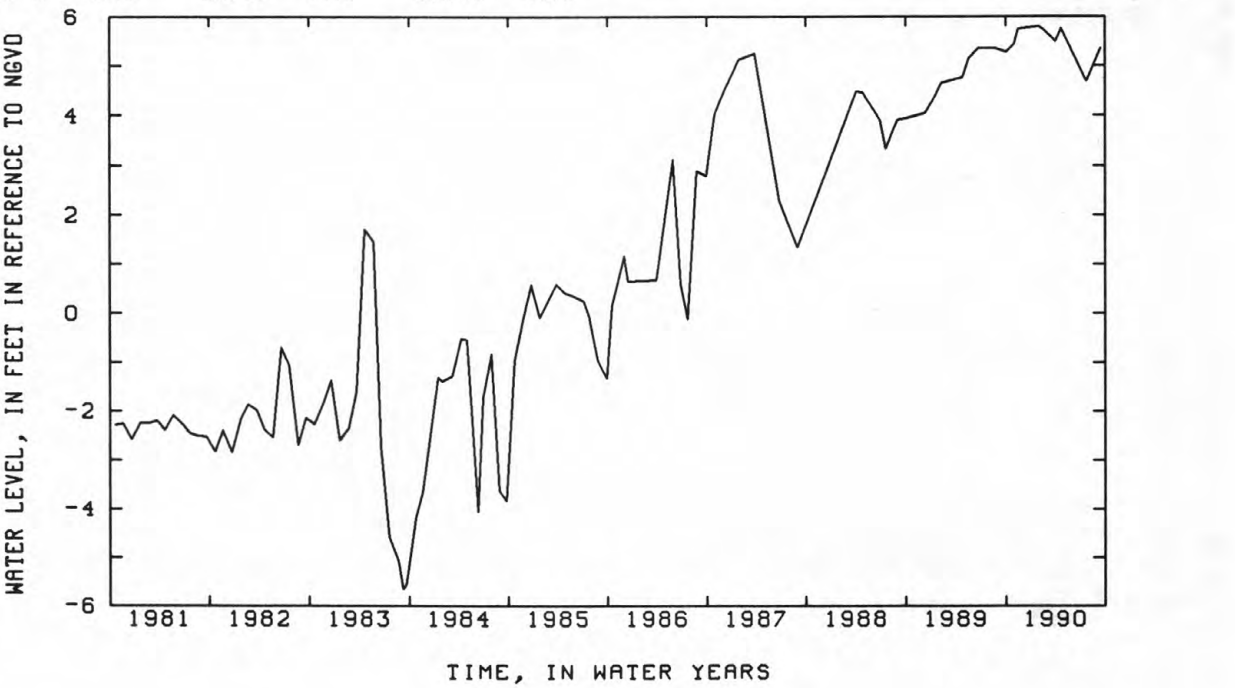
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	21.16	DEC 20	21.24	FEB 22	20.17	APR 24	20.97	JUN 21	21.73	AUG 17	21.79
NOV 2	21.31	JAN 30	20.78	MAR 31	20.46	MAY 24	21.73	JUL 17	21.54	SEP 14	21.69
15	21.48										



404025073463801. Local number, Q 2422.1
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at New York Boulevard and 132nd Avenue, Jamaica. Owner: Jamaica Water Supply Company.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 370 ft, screened 342 to 362 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in. steel nipple at yellow arrow, 1.21 ft above land-surface datum.
PERIOD OF RECORD.--May 1964 to current year. Unpublished records from May 1964 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft NGVD, January 30, 1990; lowest measured, -5.65 ft NGVD, September 7, 1970, and September 9, 11, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	5.27	NOV 15	5.75	FEB 22	5.72	APR 23	5.76	JUL 23	4.69	SEP 14	5.36
NOV 3	5.45	JAN 30	5.80	MAR 31	5.49						



404624073483501. Local number, Q 2791.1
LOCATION.--Lat 40°46'24", long 73°48'35", Hydrologic Unit 02030201, at 154th Street and 27th Avenue, Flushing. Owner: St. Mels Roman Catholic Church.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel public supply well, diameter 6 in., depth 76 ft, screened 68 to 76 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 90.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Edge of 1/4-in. access hole in steel cap, 3.27 ft below land-surface datum.
PERIOD OF RECORD.--May 1981 to current year. Unpublished records from May 1981 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.23 ft NGVD, June 27, 1984; lowest measured, 50.17 ft NGVD, April 2, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	56.53	DEC 20	55.88	FEB 22	55.49	APR 23	55.68	JUN 21	56.40	AUG 17	55.93
NOV 2	56.48	JAN 30	55.39	MAR 31	55.29	MAY 24	56.11	JUL 17	55.86	SEP 14	56.00
15	56.46										

403932073482901. Local number, Q 3109.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at Federal Circle, John F. Kennedy Airport.
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 USGS personnel.
DATUM.--Land-surface datum is 22.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 1.30 ft below land-surface datum.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.50 ft NGVD, June 12, 1990; lowest measured, -1.32 ft NGVD, September 26, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	2.78	DEC 28	2.63	FEB 27	2.82	MAY 1	3.35	JUN 12	3.50	SEP 24	3.10
NOV 17	3.24	JAN 30	3.12	MAR 30	3.17	14	3.24	JUL 12	3.00		

403932073482902. Local number, Q 3114.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at Federal Circle, John F. Kennedy Airport.
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 USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.26 ft above land-surface datum.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.30 ft NGVD, April 30, 1984; lowest measured, 0.48 ft NGVD, October 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	3.36	DEC 28	2.77	FEB 27	2.84	MAY 1	3.23	JUN 12	3.36	SEP 24	2.84
NOV 17	3.38	JAN 30	2.83	MAR 30	2.87	14	3.13	JUL 12	3.04		

404631073543901. Local number, Q 3121.1
LOCATION.--Lat 40°46'31", long 73°54'39", Hydrologic Unit 02030201, at 24th Avenue and 32nd Street, Astoria.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screened 44 to 47 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.54 ft NGVD, June 27, 1984; lowest measured, 19.83 ft NGVD, October 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	24.78	DEC 20	24.50	FEB 22	24.29	APR 23	24.32	JUN 21	24.74	AUG 17	24.70
NOV 2	24.78	JAN 30	24.25	MAR 31	24.15	MAY 24	24.59	JUL 17	24.70	SEP 14	24.65
15	24.79										

404516073550201. Local number, Q 3122.1
LOCATION.--Lat 40°45'16", long 73°55'02", Hydrologic Unit 02030201, at 29th Street and 38th Avenue, Long Island City. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screened 44 to 47 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 45.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.09 ft above land-surface datum.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.27 ft NGVD, December 22, 1980; lowest measured, 11.72 ft NGVD, September 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	13.91	DEC 20	13.90	FEB 22	13.85	APR 23	13.63	JUN 21	13.88	AUG 17	13.95
NOV 2	13.92	JAN 30	13.69	MAR 31	13.57	MAY 24	13.72	JUL 17	13.92	SEP 14	14.06
15	14.00										

404421073513201. Local number, Q 3123.1
LOCATION.--Lat 40°44'21", long 73°51'32", Hydrologic Unit 02030201, at 101st Street and Martense Avenue, Corona. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 24 ft, screened 21 to 24 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.12 ft below land-surface datum.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft NGVD, December 4, 1985; lowest measured, 6.22 ft NGVD, October 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	7.00	NOV 2	6.80	NOV 15	6.34	DEC 20	6.50				

404112073500901. Local number, Q 3160.1
LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at 108th Street and 101st Avenue, Woodhaven. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 65 ft, screened 60 to 65 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 45.0 ft National Geodetic Vertical Datum of 1929. 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, 11.93 ft NGVD, November 15, 1989; lowest measured, 6.08 ft NGVD, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	11.81	DEC 20	11.71	FEB 22	11.29	APR 23	11.18	JUN 21	11.72	AUG 17	11.82
NOV 2	11.82	JAN 30	11.39	MAR 31	11.15	MAY 24	11.41	JUL 17	11.78	SEP 14	11.89
15	11.93										

404119073463601. Local number, Q 3162.1
LOCATION.--Lat 40°41'19", long 73°46'36", Hydrologic Unit 02030202, at 172nd Street and 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 USGS personnel.
DATUM.--Land-surface datum is 27.2 ft National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.53 ft NGVD, June 21, 1989; lowest measured, 9.62 ft NGVD, May 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	14.16	DEC 20	13.23	MAR 31	13.61	APR 23	14.15	JUN 21	14.31	AUG 17	14.11
NOV 2	14.16	JAN 30	13.65	APR 5	13.75	MAY 24	14.30	JUL 16	14.01	SEP 14	14.03
15	13.96	FEB 22	13.67								

404143073482701. Local number, Q 3165.1
LOCATION.--Lat 40°41'43", long 73°48'27", Hydrologic Unit 02030202, at Liverpool Street and 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 USGS personnel.
DATUM.--Land-surface datum is 41.6 ft National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.77 ft NGVD, September 14, 1990; lowest measured, 7.28 ft NGVD, March 2, 1984.

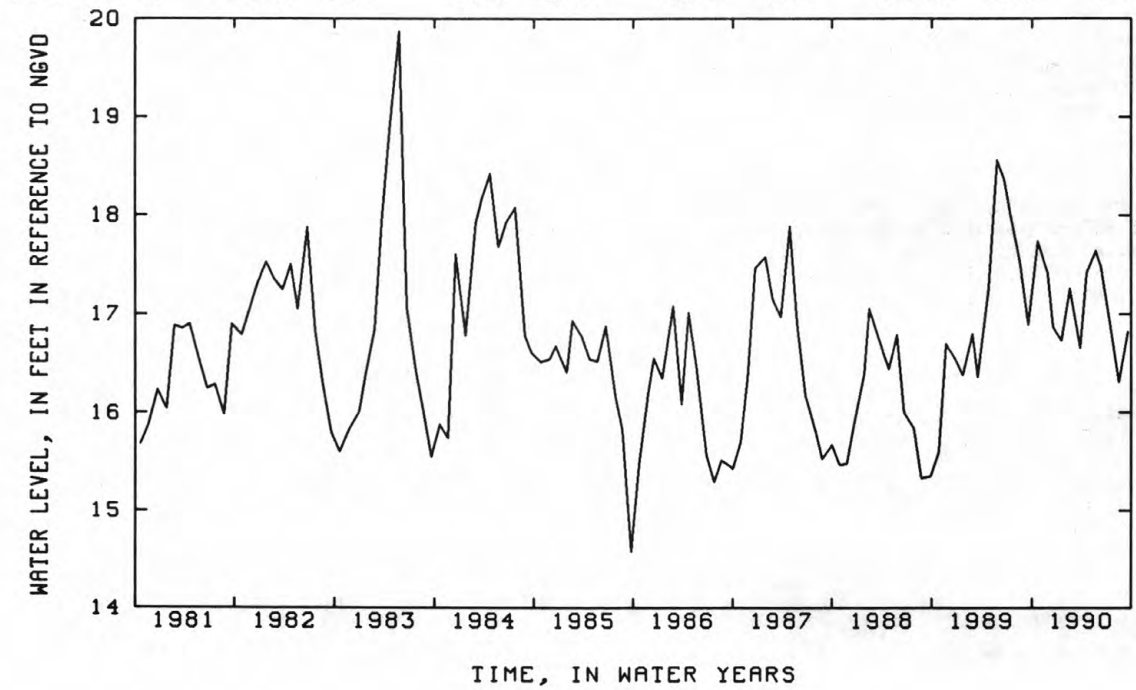
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	15.67	DEC 20	15.99	FEB 22	16.04	APR 23	16.13	JUN 21	16.60	AUG 17	16.72
NOV 2	15.86	JAN 30	15.97	MAR 31	15.97	MAY 24	16.32	JUL 16	16.61	SEP 14	16.77
15	16.04										

404213073201001. Local number, S 1803.4
LOCATION.--Lat 40°42'13", long 73°20'10", Hydrologic Unit 02030202, at north side of State Route 109, west of Little East Neck Road, on median, Babylon. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 19 ft, screened 16 to 19 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.08 ft above land-surface datum.
REMARKS.--Replaced well S 1803.3 in November 1975 at same location. Unpublished records from October 1912 to November 1914, August and September 1932, and June 1936 to September 1975, for wells S 1803.1 to S 1803.3 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.87 ft NGVD, May 23, 1983; lowest measured, 13.06 ft NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

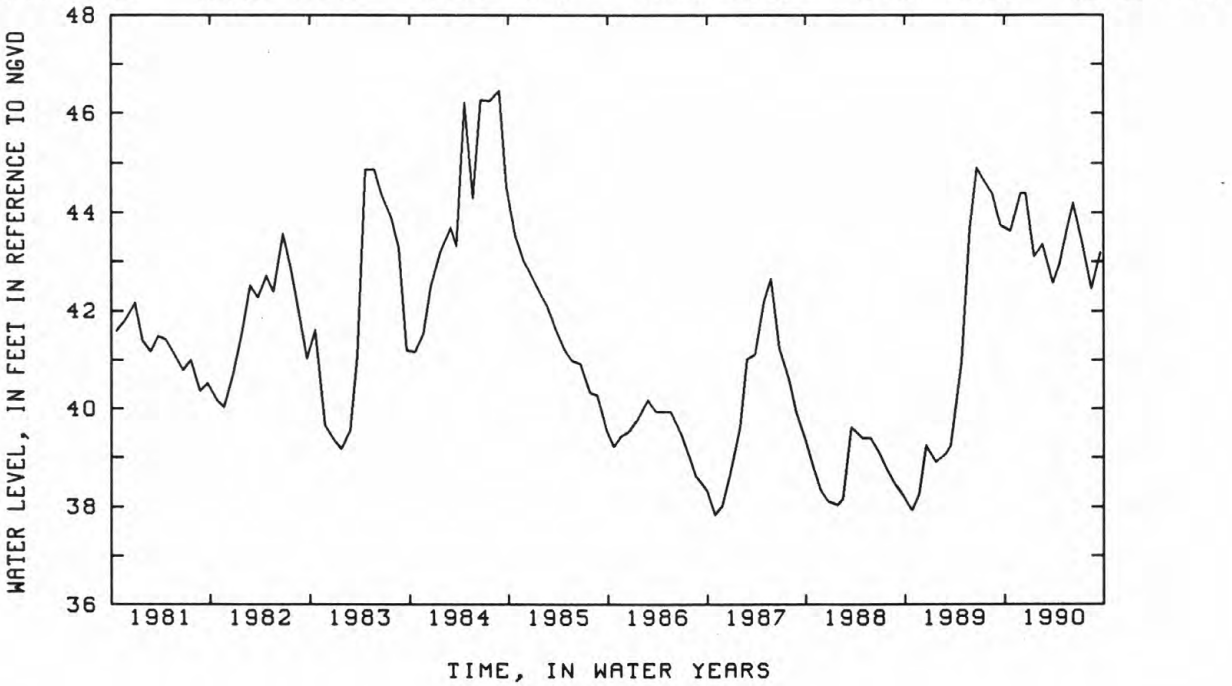
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	17.74	DEC 19	16.87	FEB 20	17.26	APR 19	17.42	JUN 11	17.49	AUG 15	16.31
NOV 29	17.41	JAN 19	16.73	MAR 27	16.66	MAY 23	17.64	JUL 13	16.91	SEP 19	16.82



404301073240901. Local number, S 1805.4
LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at south side of State Route 109, west of Albany Avenue, Maywood. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 33 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 57.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 2.22 ft above land-surface datum.
REMARKS.--Replaced well S 1805.3 in October 1953 at same location. Unpublished records from October 1912 to September 1975 for wells S 1805.1 to S 1805.3 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--October 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.47 ft NGVD, August 27, 1984; lowest measured, 35.79 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

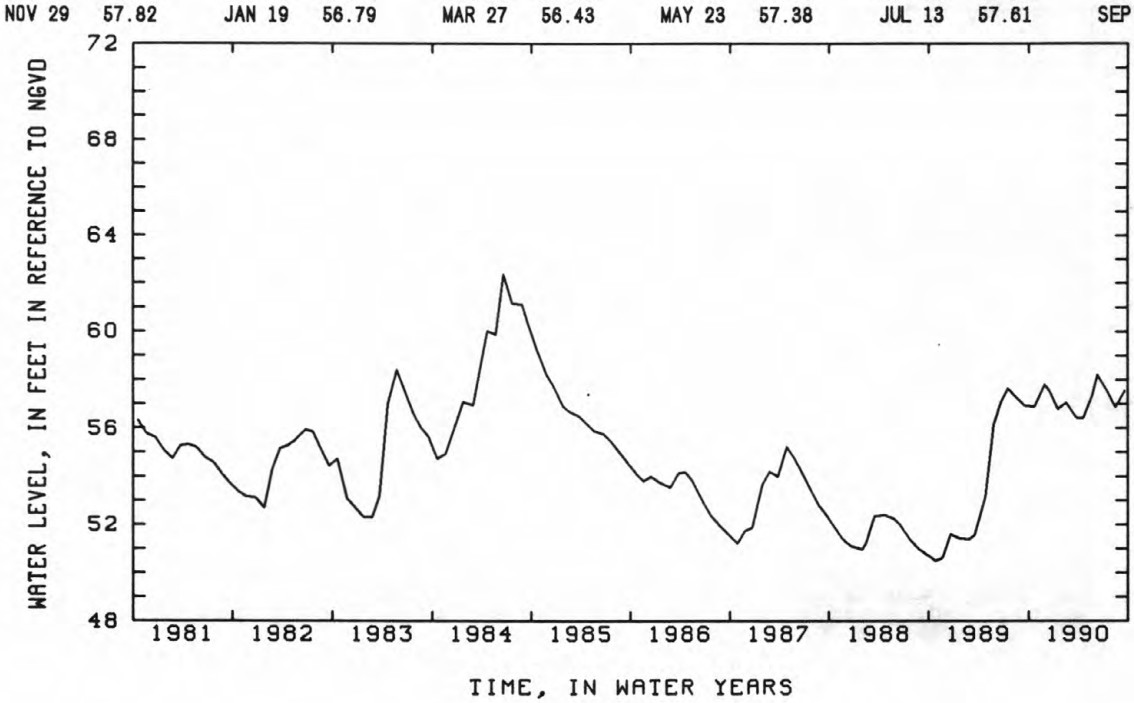
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	43.63	DEC 19	44.39	FEB 20	43.36	APR 19	42.92	JUN 11	44.20	AUG 15	42.45
NOV 29	44.39	JAN 19	43.11	MAR 27	42.57	MAY 23	43.76	JUL 13	43.38	SEP 19	43.19



404442073240501. Local number, S 1806.3
LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at west side of Wellwood Avenue, north of Conklin Street, south of railroad tracks, Pinelawn. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 1 1/4 in., depth 45 ft, screened 40 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.49 ft below land-surface datum.
REMARKS.--Replaced well S 1806.2 in August 1977 at same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S 1806.1 to S 1806.2 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--August 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft NGVD, June 20, 1984; lowest measured, 50.50 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

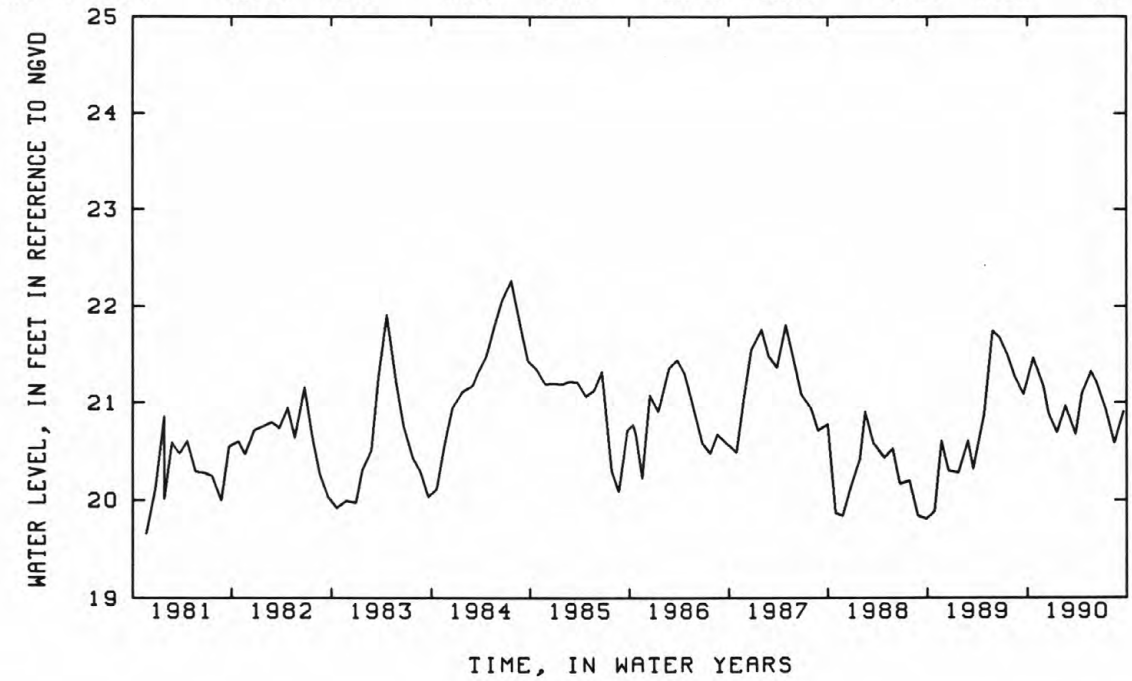
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	56.91	DEC 20	57.50	FEB 20	57.06	APR 19	56.41	JUN 11	58.21	AUG 15	56.86
NOV 29	57.82	JAN 19	56.79	MAR 27	56.43	MAY 23	57.38	JUL 13	57.61	SEP 19	57.56



404319073184601. Local number, S 1807.5
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 USGS personnel.
DATUM.--Land-surface datum is 23.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel coupling, 0.97 ft above land-surface datum.
REMARKS.--Replaced well S 1807.4 in July 1976 at same location. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, for wells S 1807.1 to S 1807.4 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--July 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.30 ft NGVD, January 24, 1979; lowest measured, 19.26 ft NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

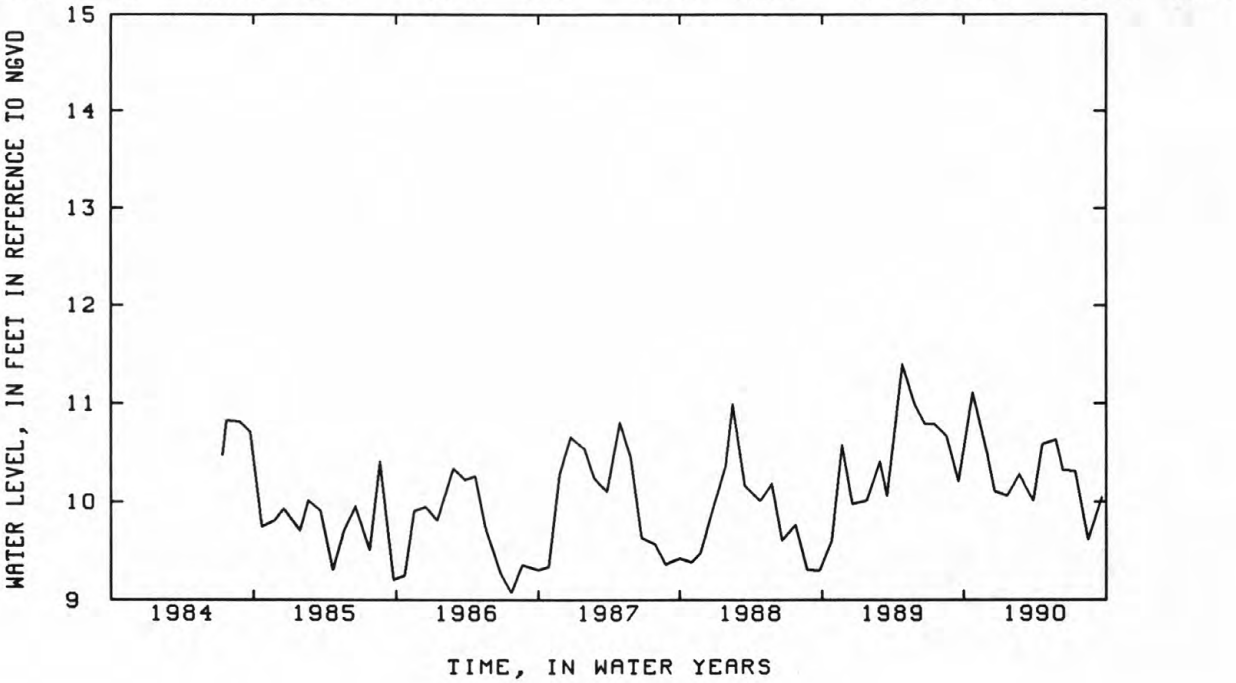
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.47	DEC 19	20.89	FEB 20	20.97	APR 19	21.10	JUN 11	21.22	AUG 15	20.58
NOV 29	21.17	JAN 19	20.69	MAR 27	20.67	MAY 23	21.32	JUL 13	20.95	SEP 19	20.91



404221073164901. Local number, S 1808.4
LOCATION.--Lat 40°42'21", long 73°16'49", Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip.
Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 11 ft, screened 10 to 11 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 13.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel coupling, 0.29 ft below land-surface datum.
REMARKS.--Replaced well S 1808.3 in July 1984 at same location. Unpublished records from October 1912 to September 1975, for wells S 1808.1 to S 1808.3 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--July 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.40 ft NGVD, April 26, 1989; lowest measured, 9.08 ft NGVD, July 24, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

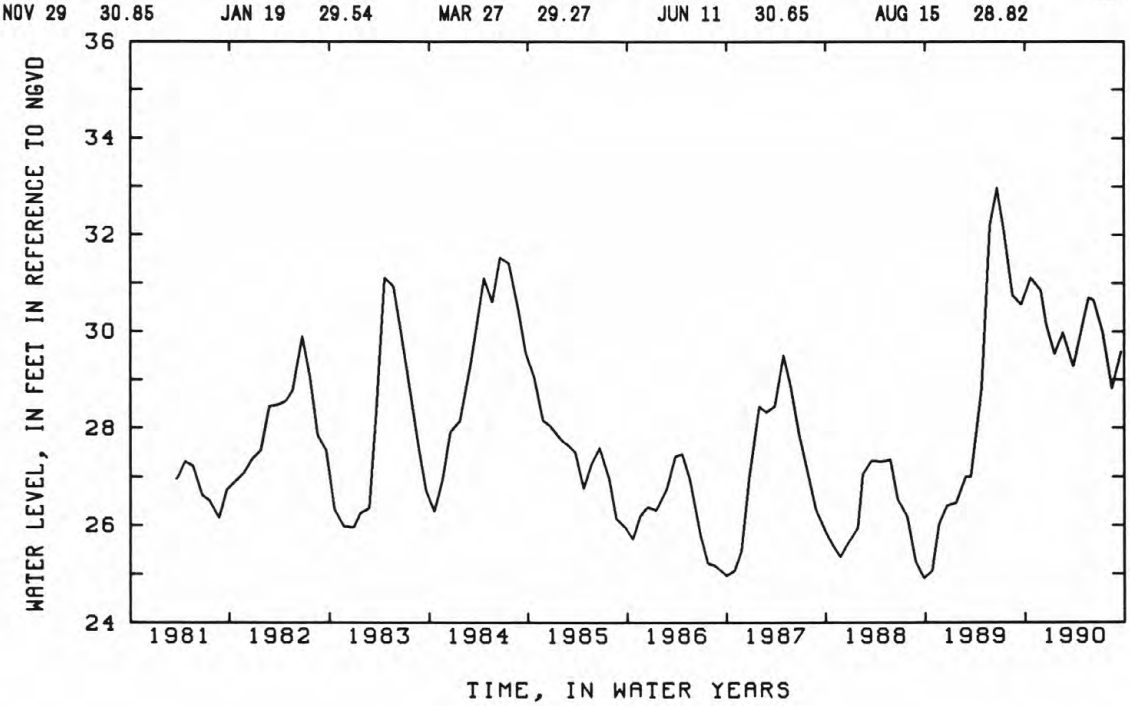
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	11.11	DEC 19	10.11	FEB 20	10.28	APR 19	10.59	JUN 11	10.32	AUG 15	9.62
NOV 29	10.50	JAN 19	10.06	MAR 27	10.01	MAY 23	10.63	JUL 13	10.31	SEP 19	10.04



404351073164901. Local number, S 1809.4
LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at recharge basin at south east corner of Muncey Road and Manor Lane, Bay Shore. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 29 ft, screened 26 to 29 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 42.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.45 ft below land-surface datum.
REMARKS.--Replaced well S 1809.3 in March 1981 at same location. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, for wells S 1809.1 to S 1809.3 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--March 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft NGVD, June 23, 1989; lowest measured, 24.92 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

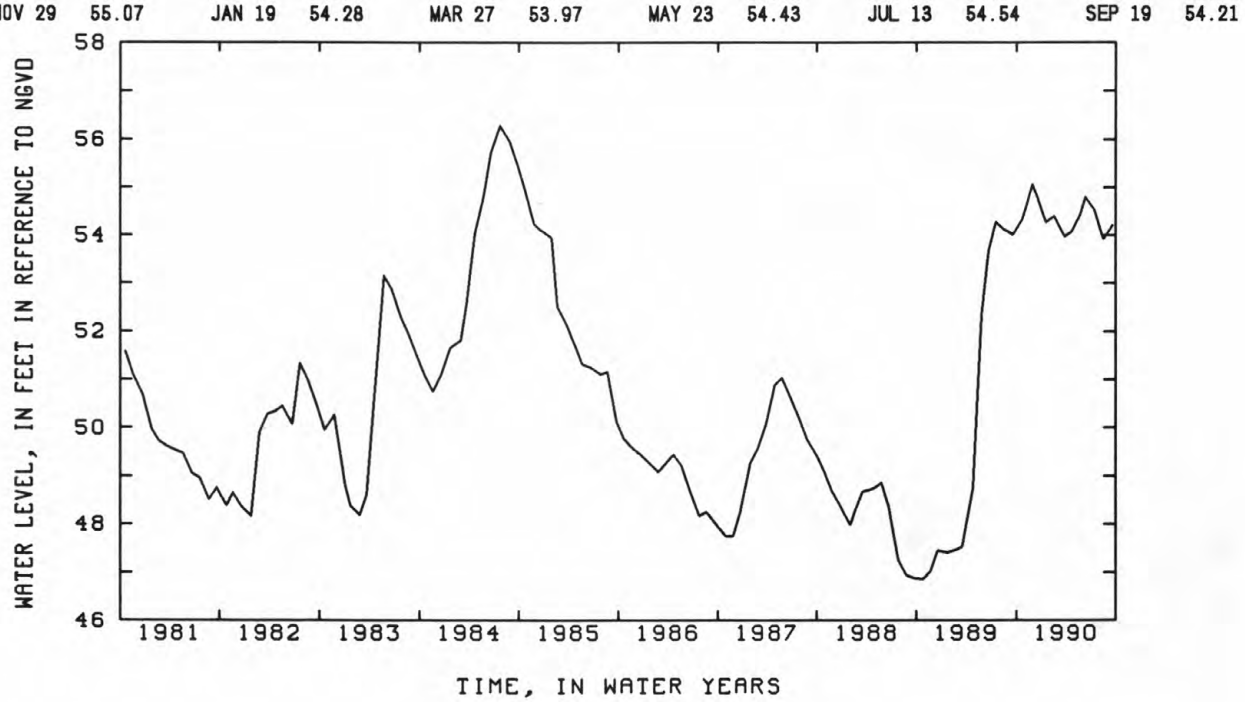
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	31.13	DEC 19	30.16	FEB 20	29.98	MAY 23	30.70	JUL 13	29.99	SEP 19	29.57
NOV 29	30.85	JAN 19	29.54	MAR 27	29.27	JUN 11	30.65	AUG 15	28.82		



404614073164401. Local number, S 1810.4
LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at west side of North Gardiner Drive at house 1712, south of Pine Aire Drive, 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 USGS personnel.
DATUM.--Land-surface datum is 91.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S 1810.3 in November 1975 at same location. Unpublished records from October 1912 to November 1914, and August 1932 to September 1975, for wells S 1810.1 to S 1810.3 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.28 ft NGVD, July 23, 1984; lowest measured, 46.86 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	54.34	DEC 19	54.79	FEB 20	54.40	APR 19	54.06	JUN 11	54.80	AUG 15	53.92
NOV 29	55.07	JAN 19	54.28	MAR 27	53.97	MAY 23	54.43	JUL 13	54.54	SEP 19	54.21



404957073073401. Local number, S 1811.2
LOCATION.--Lat 40°49'57", long 73°07'34", Hydrologic Unit 02030202, at Shore Road, south of Smithtown Boulevard, 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 21 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 58.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.77 ft below land-surface datum.
REMARKS.--Replaced well S 1811.1 in March 1987 at same location. Unpublished records form April 1937 to September 1978 for well S 1811.1 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.82 ft NGVD, June 12, 1990; lowest measured, 53.29 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 2	56.35	MAR 29	56.24	MAY 22	56.79	JUL 12	56.50	AUG 13	56.40	SEP 19	56.63
21	56.29	MAY 2	56.54	JUN 12	56.82						

404958073085001. Local number, S 1812.3
LOCATION.--Lat 40°49'58", long 73°08'50", Hydrologic Unit 02030202, at southwest corner of intersection of Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 50 ft, screened 46 to 50 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 69.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.68 ft below land-surface datum.
REMARKS.--Replaced well S 1812.2 in May 1982 at same location. Unpublished records from April 1937 to September 1975 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--May 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.34 ft NGVD, July 23, 1984; lowest measured, 42.23 ft NGVD, October 20, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	47.87	DEC 19	47.66	FEB 21	47.69	MAY 2	47.94	JUN 12	48.74	SEP 14	48.07
NOV 21	48.03	JAN 23	47.37	MAR 29	47.54	22	48.41	AUG 13	48.23		

404737073112303. Local number, S 1814.3
LOCATION.--Lat 40°47'37", long 73°11'23", Hydrologic Unit 02030202, at northwest corner of Suffolk Avenue and Dovecott Lane intersection, Central Islip. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 54 ft, screened 51 to 54 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S 1814.2 in May 1982 at same location, unpublished records from November 1939 to September 1975 available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--September 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.50 ft NGVD, June 12, 1984; lowest measured, 35.15 ft NGVD, September 27, 1988.

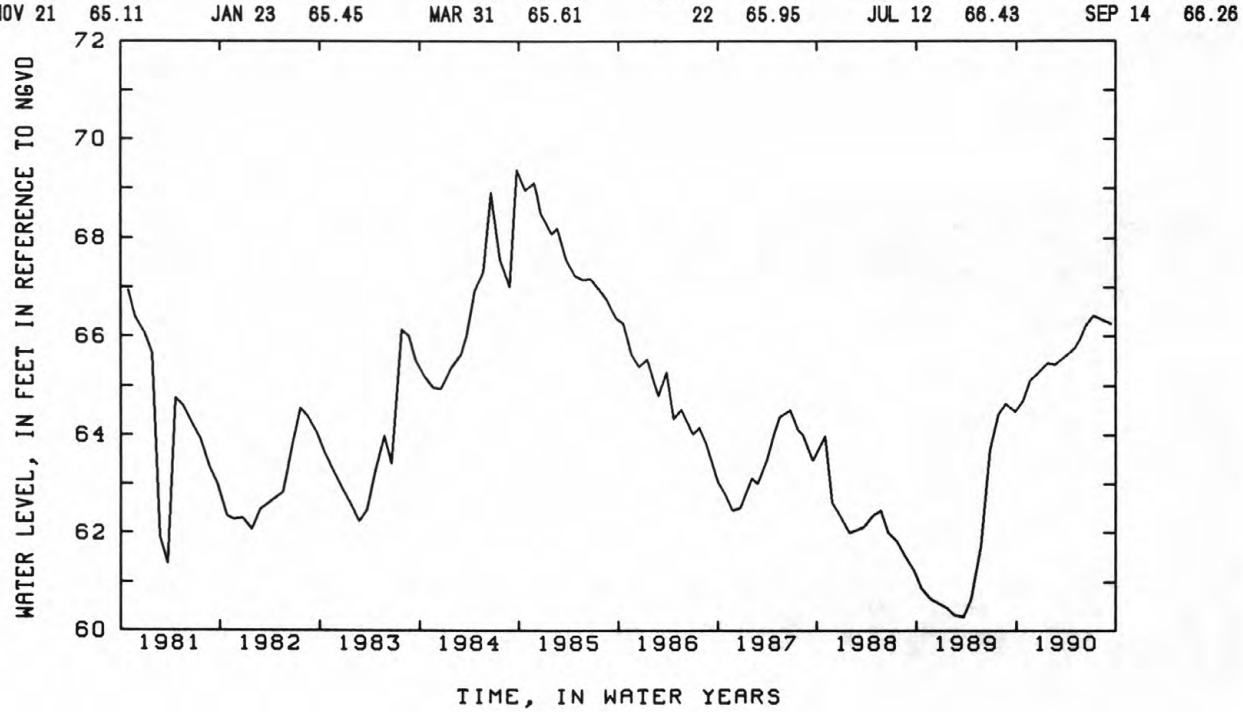
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	40.49	DEC 26	40.09	FEB 28	40.06	APR 19	40.06	JUN 13	40.59	AUG 14	39.74
NOV 27	40.42	JAN 29	39.82	MAR 30	39.73	MAY 14	40.17	JUL 16	40.29	SEP 17	40.09

405146073031801. Local number, S 3513.1
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at south side of State Route 25, 235 ft west of High View Drive, Selden. Owner: New York Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 4 in., depth 65 ft, screened 63 to 65 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 101.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, May 29, 1979; lowest measured, 56.06 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

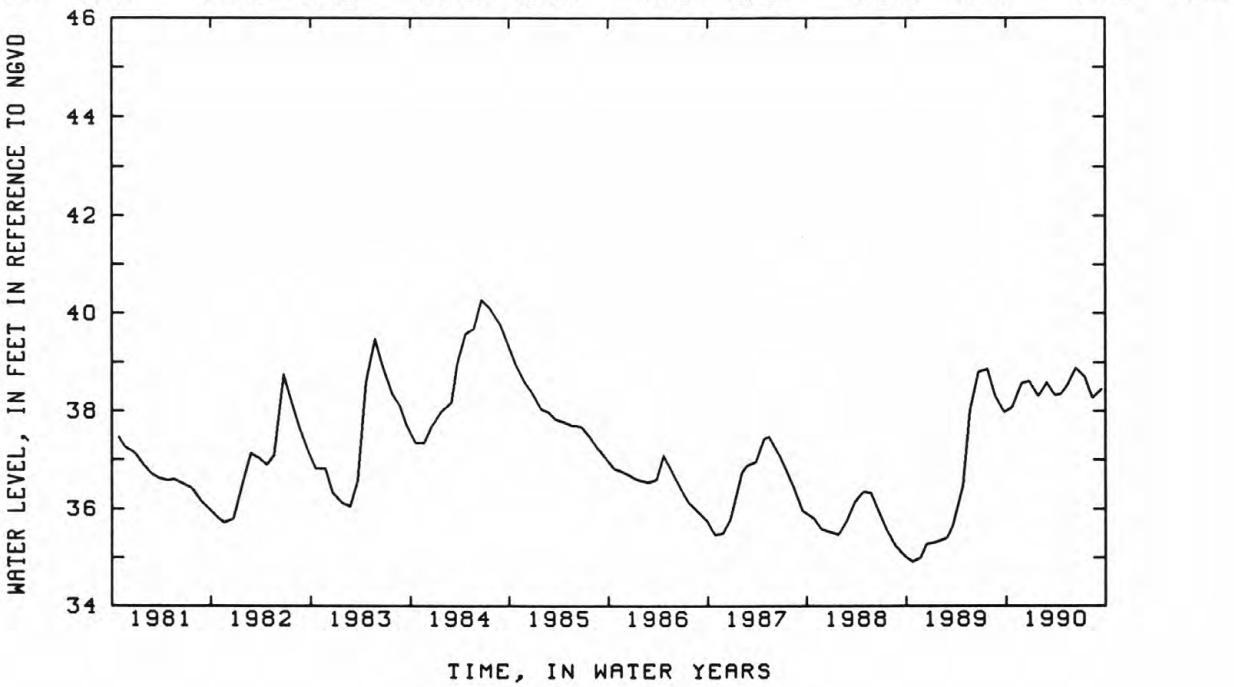
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	64.71	DEC 19	65.24	FEB 21	65.43	MAY 2	65.75	JUN 12	66.20	AUG 13	66.33
NOV 21	65.11	JAN 23	65.45	MAR 31	65.61	22	65.95	JUL 12	66.43	SEP 14	66.26



404812073004101. Local number, S 3521.1
LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at west side of Old Medford Avenue, 237 ft north of Cedar Avenue intersection, Medford. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 71.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.57 ft above land-surface datum.
PERIOD OF RECORD.--January 1907 to current year. Unpublished records from January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft NGVD, March 27, 1979; lowest measured, 34.38 ft NGVD, October 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	38.08	DEC 26	38.61	FEB 28	38.59	APR 19	38.36	JUN 13	38.88	AUG 14	38.28
NOV 27	38.58	JAN 29	38.32	MAR 29	38.33	MAY 14	38.54	JUL 16	38.70	SEP 17	38.44

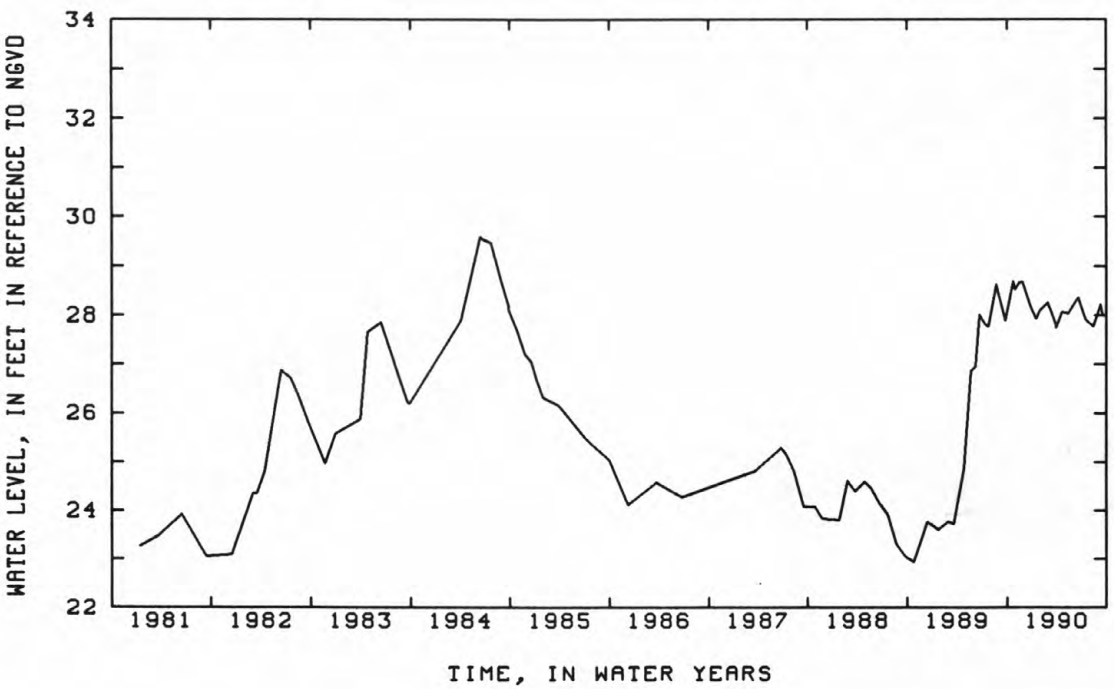


404806072553802. Local number, S 3529.2
LOCATION.--Lat 40°48'01", long 72°55'38", Hydrologic Unit 02030202, at entrance to Brookhaven Landfill, south of Horseblock Road, South Yapank. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 34.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 14, 1984; lowest measured, 22.94 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	28.69	DEC 26	28.19	FEB 28	28.26	MAR 29	27.75	JUN 14	28.33	AUG 14	27.78
30	28.52	JAN 17	27.93	MAR 21	27.92 G	APR 19	28.07	20	28.36	SEP 10	28.22
NOV 13	28.67	29	28.08	28	27.79	MAY 14	28.04	JUL 16	27.91	17	28.03
27	28.68										

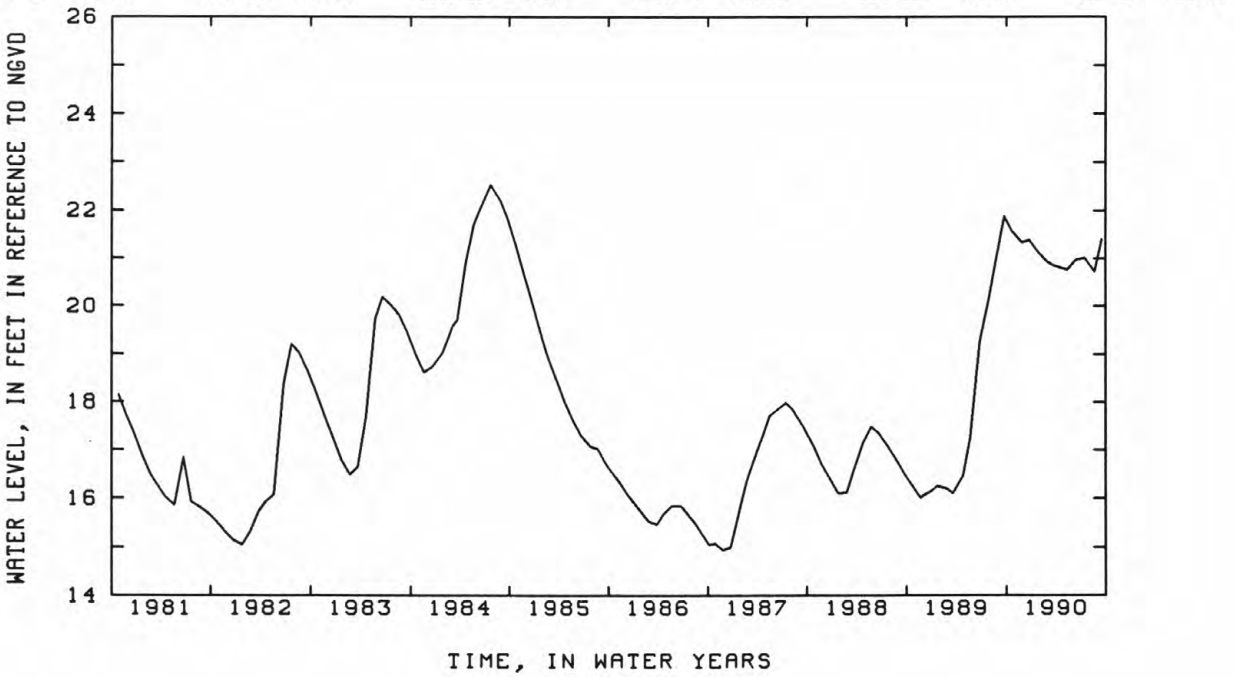
G MEASUREMENT BY ANOTHER AGENCY



405037072390301. Local number, S 3543.1
LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Stewart Avenue, 0.25 miles 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 USGS personnel.
DATUM.--Land-surface datum is 64.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.53 ft NGVD, July 23, 1984; lowest measured, 14.94 ft NGVD, November 25, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.58	DEC 26	21.39	FEB 28	20.93	APR 19	20.80	JUN 14	20.97	AUG 21	20.72
NOV 27	21.34	JAN 29	21.13	MAR 28	20.84	MAY 14	20.76	JUL 16	21.01	SEP 17	21.41



405145072592501. Local number, S 3870.1
LOCATION.--Lat 40°51'45", long 72°55'38", 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 USGS personnel.
DATUM.--Land-surface datum is 87.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 1.11 ft above land-surfale datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.86 ft NGVD, June 27, 1979; lowest measured, 49.54 ft NGVD, October 26, 1966.

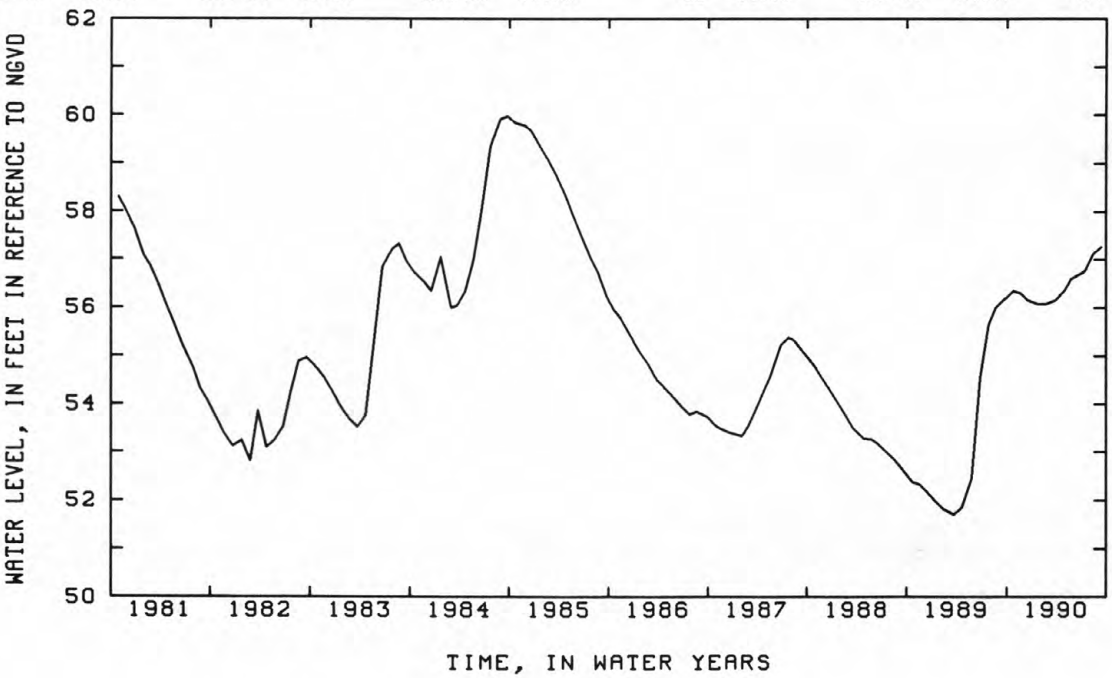
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	56.19	DEC 19	57.27	FEB 21	57.64	MAY 2	58.06	JUN 12	58.41	AUG 13	58.38
NOV 21	56.79	JAN 23	57.47	MAR 28	57.94	22	58.25	JUL 12	58.52	SEP 14	58.28

405343073055004. Local number, S 3955.4
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at west side of Mark Tree Road, south of Pond Path intersection, Setauket. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 123.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.24 ft below land-surface datum.
REMARKS.--Replaced well S 3955.3 in April 1975 at same location. Unpublished records from September 1944 to September 1975 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft NGVD, June 21, 1979; lowest measured, 51.70 ft NGVD, March 22, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

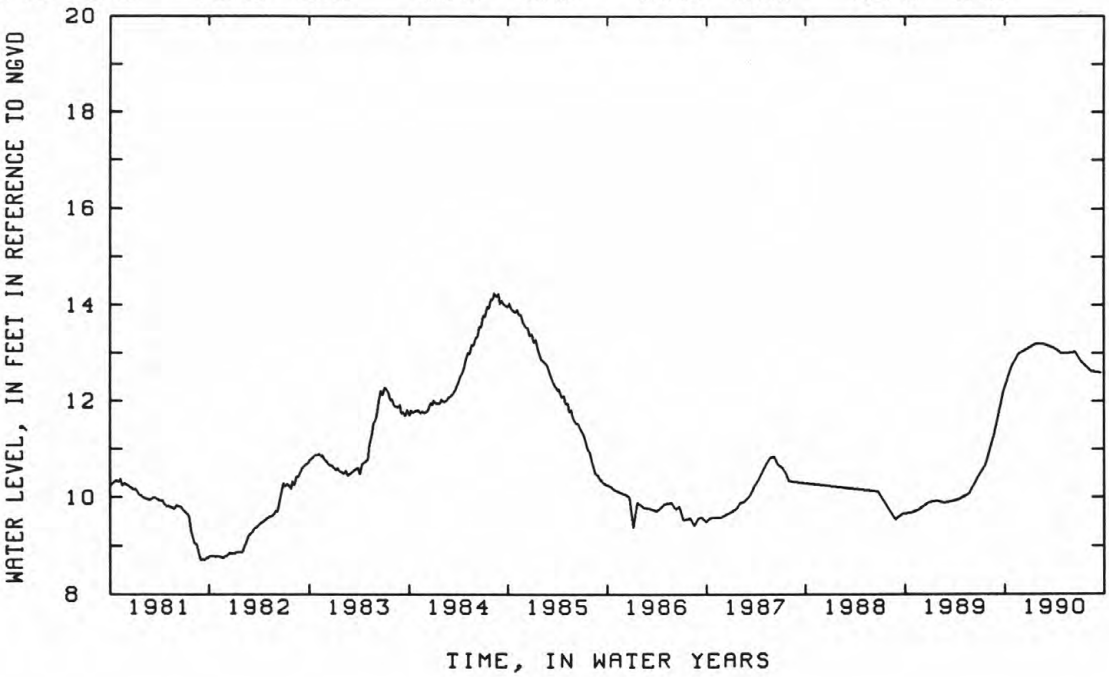
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	56.35	DEC 19	56.15	FEB 21	56.07	MAY 2	56.36	JUN 12	56.65	AUG 13	57.12
NOV 21	56.30	JAN 23	56.08	MAR 28	56.15	22	56.59	JUL 13	56.75	SEP 14	57.27



405743072425701. Local number, S 4271.1
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, 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 USGS personnel.
DATUM.--Land-surface datum is 100.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.44 ft above land-surface datum.
PERIOD OF RECORD.--August 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.25 ft NGVD, August 12, 1984; lowest measured, 8.16 ft NGVD, September 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.70	JAN 23	13.19	MAR 26	13.11	MAY 15	13.00	JUL 11	12.80	SEP 19	12.59
NOV 21	12.98	FEB 21	13.19	APR 27	13.00	JUN 18	13.02	AUG 15	12.61		



405607072393502. Local number, S 4523.2
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 USGS personnel.
DATUM.--Land-surface datum is 17.4 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 22, 1984; lowest measured, 6.79 ft NGVD, September 14, 1981.

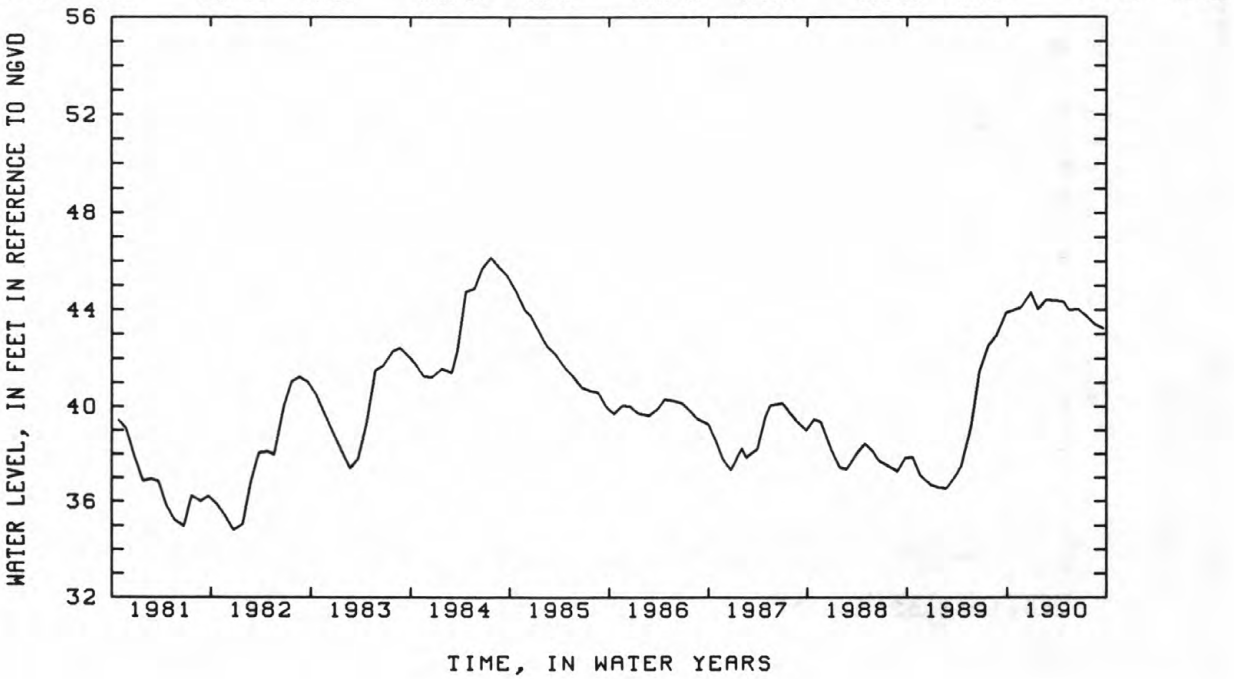
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.29	DEC 27	10.01	FEB 21	10.19	APR 27	10.25	JUN 18	9.97	AUG 15	9.69
NOV 21	10.32	JAN 23	10.08	MAR 26	10.06	MAY 15	10.18	JUL 11	9.64	SEP 19	9.47

405149072532201. Local number, S 5517.1
LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at northwest corner of Princeton Avenue and Upton Road intersection, 77 ft south of parking field. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 91 ft, screened 85 to 91 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 115.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 25, 1958; lowest measured, 33.34 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

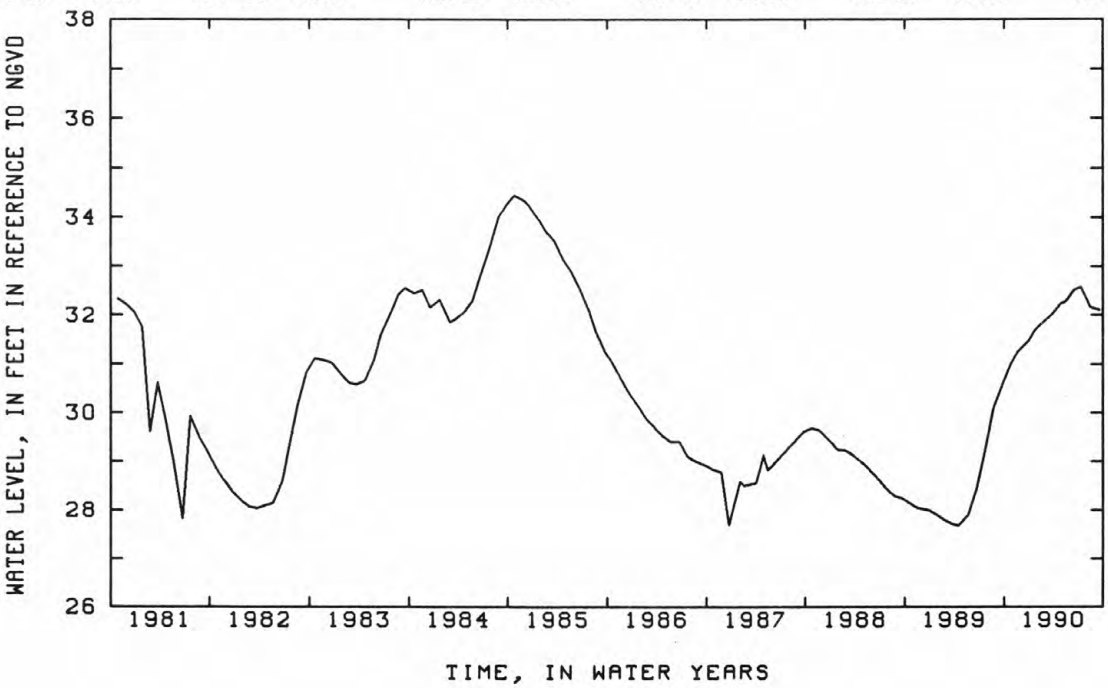
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	44.00	DEC 27	44.73	FEB 21	44.44	APR 27	44.36	JUN 18	44.04	AUG 15	43.44
NOV 21	44.12	JAN 23	44.02	MAR 28	44.40	MAY 15	44.00	JUL 11	43.82	SEP 19	43.26



405650072541801. Local number, S 6411.1
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at south side of State Route 25A, 86 ft east of Ridge Road, Shoreham. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 149 ft, screened 143 to 149 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 138.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.13 ft above land-surface datum.
PERIOD OF RECORD.--November 1948 to current year. Unpublished records from November 1948 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.49 ft NGVD, July 26 and August 28, 1979; lowest measured, 25.15 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

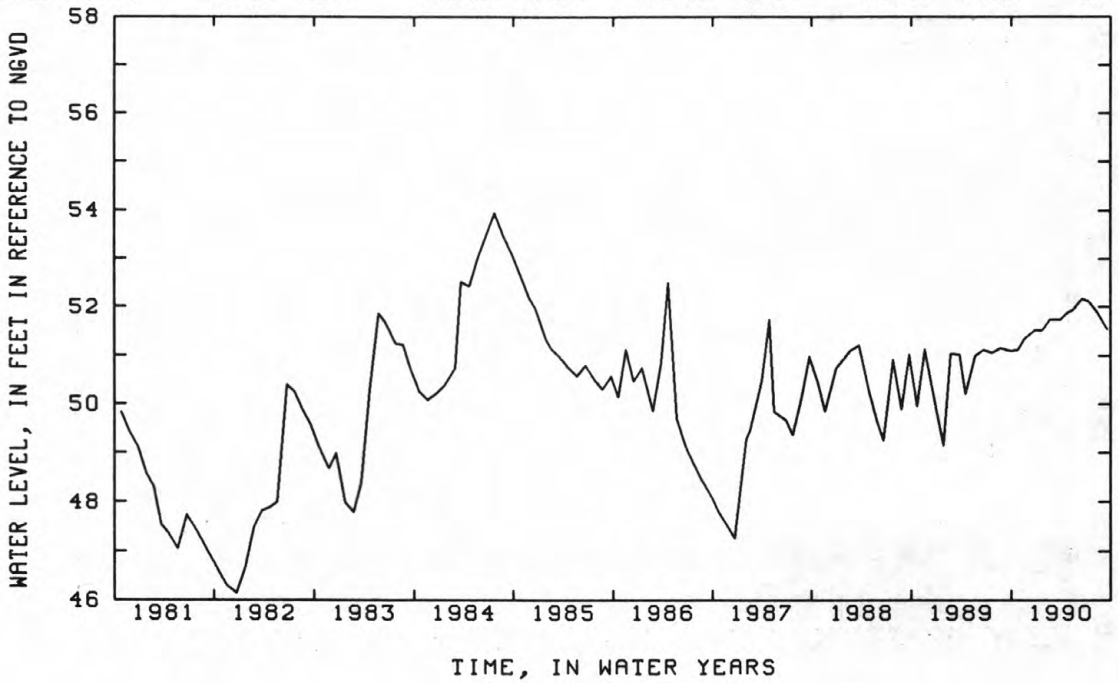
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	31.00	DEC 27	31.45	FEB 21	31.85	APR 27	32.24	JUN 18	32.53	AUG 15	32.17
NOV 21	31.26	JAN 23	31.70	MAR 28	32.03	MAY 15	32.28	JUL 11	32.58	SEP 19	32.11



405308072553101. Local number, S 6413.1
LOCATION.--Lat 40°53'08", long 72°55'31", Hydrologic Unit 02030202, at south side of State Route 25, 70 ft east of Woodville Road, Middle Island. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 108 ft, screened 103 to 108 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 93.8 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 12, 1979; lowest measured, 42.40 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.11	DEC 27	51.52	FEB 21	51.74	APR 27	51.89	JUN 18	52.17	AUG 15	51.86
NOV 21	51.35	JAN 23	51.52	MAR 28	51.74	MAY 15	51.94	JUL 11	52.12	SEP 19	51.54



405222072523301. Local number, S 6431.1
LOCATION.--Lat 40°52'23", long 72°52'36", Hydrologic Unit 02030202, at northwest corner of Thomson Road and Forth Avenue intersection, Brookhaven National Laboratory, 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 USGS personnel.
DATUM.--Land-surface datum is 87.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 12, 1979; lowest measured, 39.14 ft NGVD, September 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	46.83	DEC 27	47.98	FEB 21	48.39	APR 27	48.28	JUN 18	48.53	AUG 15	47.82
NOV 21	47.44	JAN 23	48.05	MAR 29	48.25	MAY 15	48.28	JUL 11	48.32	SEP 19	47.29

405223072523401. Local number, S 6434.1
LOCATION.--Lat 40°42'23", long 72°52'34", Hydrologic Unit 02030202, at northeast corner of Thomson Road and Forth Avenue intersection, in shed, Brookhaven National Laboratory, 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 USGS personnel.
DATUM.--Land-surface datum is 85.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in flange at yellow 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 NGVD, July 12, 1979; lowest measured, 28.74 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	33.26	DEC 27	33.48	FEB 21	33.86	APR 27	34.06	JUN 18	34.12	AUG 15	33.94
NOV 21	34.01	JAN 23	33.95	MAR 28	33.89	MAY 15	34.00	JUL 11	33.99	SEP 19	33.78

405223072493201. Local number, S 6441.1
LOCATION.--Lat 40°52'23", long 72°49'32", Hydrologic Unit 02030202, at east side of Wading River Road, 261 ft north of North Street, Manorville. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 20 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 46.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.53 ft above land-surface datum.
PERIOD OF RECORD.--January 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.19 ft NGVD, February 1, 1979; lowest measured, 33.69 ft NGVD, April 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	39.47	NOV 21	39.53	DEC 27	38.74	JAN 23	38.85	FEB 21	39.26		

405223072523403. Local number, S 6455.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at northeast corner of Thomson Road and Forth Avenue intersection, under manhole cover, Brookhaven National Laboratory, 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 USGS personnel.
DATUM.--Land-surface datum is 84.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.16 ft below land-surface datum.
PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.50 ft NGVD, April 2, 1979; lowest measured, 33.82 ft NGVD, December 27, 1966 and March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	40.71	NOV 21	41.24	DEC 27	41.27	JAN 23	41.22	FEB 21	41.29	MAR 28	41.19

410247072261101. Local number, S 6524.1
LOCATION.--Lat 41°02'47", long 72°26'11", Hydrologic Unit 02030202, at Bayview Avenue and Route 25, Southold.
Owner: Southold Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 40 ft,
screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.8 ft National Geodetic Vertical Datum of 1929. 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 NGVD, May 7, 1958; lowest measured,
-1.99 ft NGVD, October 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.97	JAN 23	1.48	MAR 13	1.15 G	APR 27	1.90	JUN 18	1.57	AUG 15	1.64
NOV 21	1.73	FEB 21	1.45	26	1.59	MAY 15	1.79	JUL 11	1.89	SEP 19	1.76
DEC 28	1.71										

G MEASUREMENT BY ANOTHER AGENCY

405835072325601. Local number, S 6558.1
LOCATION.--Lat 40°58'35", long 72°32'56", Hydrologic Unit 02030201, at Route 25, firewell, 244 ft east of
railroad tracks, Mattituck. Owner: Mattituck Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 38 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 14.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, March 29, 1973; lowest measured,
1.06 ft NGVD, September 22, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.96	DEC 27	5.95	FEB 21	5.82	APR 27	6.21	JUN 18	5.84	AUG 15	5.43
NOV 21	6.35	JAN 23	5.57	MAR 26	5.80	MAY 15	6.05	JUL 11	5.61	SEP 19	5.06

405756072173501. Local number, S 8833.1
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at west side of Toppings Path, near
Crooked Pond, Bridgehampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 13 ft, screened 10 to 13 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 20.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of
2-in. steel casing, 1.63 ft above land-surface datum.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are
available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.33 ft NGVD, April 27, 1990; lowest measured,
12.84 ft NGVD, March 29, 1982.

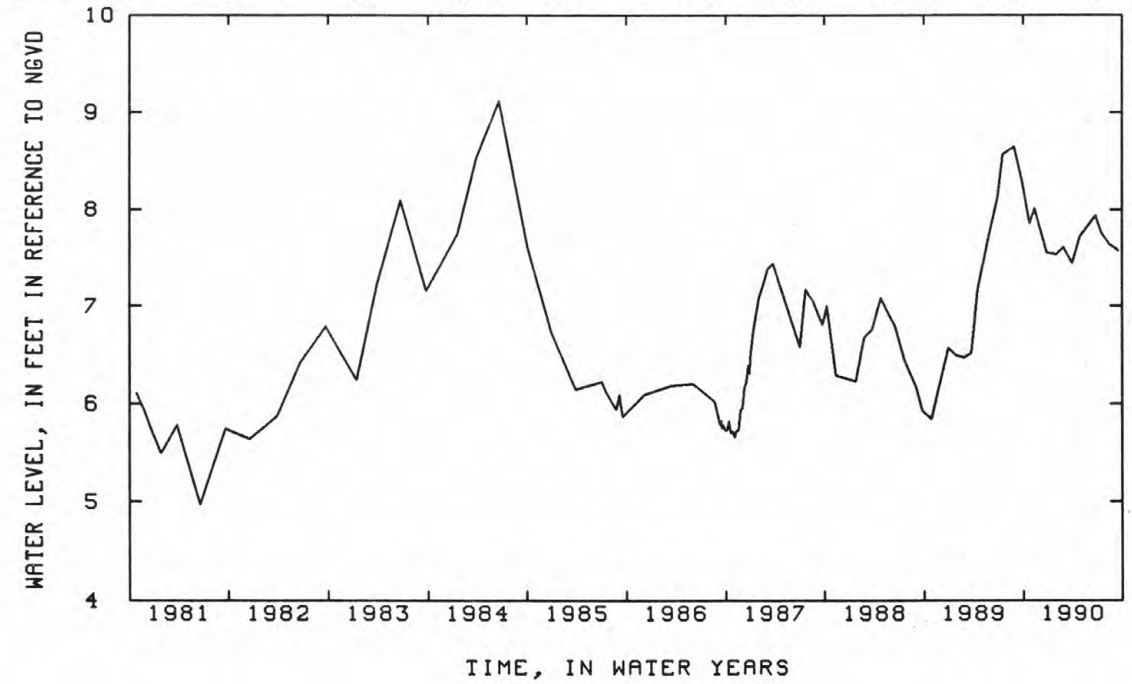
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	18.67	DEC 27	18.77	FEB 28	19.12	APR 27	19.33	JUN 18	19.30	AUG 15	18.92
NOV 14	18.93	JAN 31	19.02	MAR 29	18.96	MAY 15	19.30	JUL 16	19.03	SEP 17	18.34

405309072233101. Local number, S 8836.1
LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at south side of Nugent Street, firewell, 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 USGS personnel.
DATUM.--Land-surface datum is 18.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 21, 1984; lowest measured, 4.93 ft NGVD, August 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.86	DEC 27	7.55	FEB 28	7.61	APR 27	7.72	JUN 26	7.94	AUG 15	7.64
NOV 14	8.01	JAN 31	7.54	MAR 28	7.45	MAY 15	7.79	JUL 16	7.76	SEP 17	7.58



405628072164701. Local number, S 8838.1
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 USGS personnel.
DATUM.--Land-surface datum is 28.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, March 16, 1971; lowest measured, 8.84 ft NGVD, August 8, 1966.

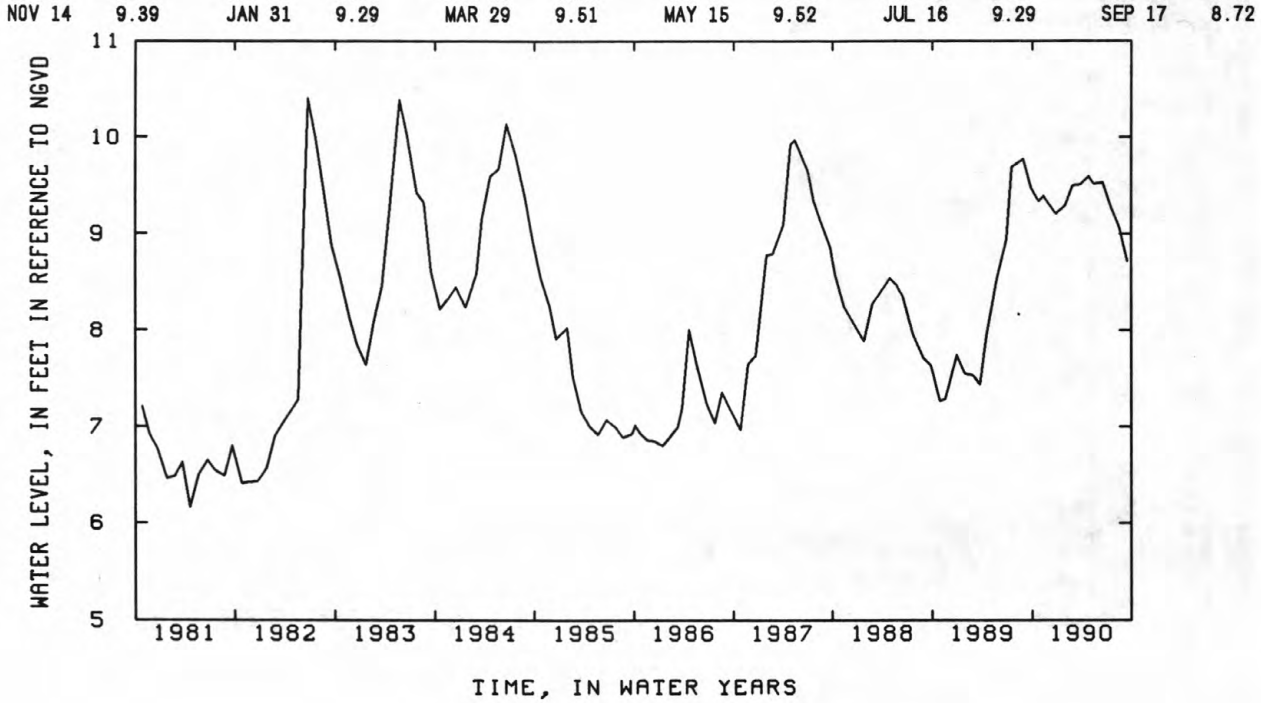
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	12.36	DEC 28	12.03	FEB 28	12.43	APR 27	12.60	JUN 26	12.27	AUG 15	12.28
NOV 14	12.68	JAN 31	12.55	MAR 28	12.48	MAY 15	12.48	JUL 16	12.10	SEP 17	11.76

405840072082301. Local number, S 8839.1
LOCATION.--Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at west side of Windmill Lane, behind third house, 0.1 miles north of State Route 27, 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 USGS personnel.
DATUM.--Land-surface datum is 39.0 ft National Geodetic Vertical Datum of 1929. 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 Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.55 ft NGVD, February 27, 1979; lowest measured, 6.10 ft NGVD, October 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

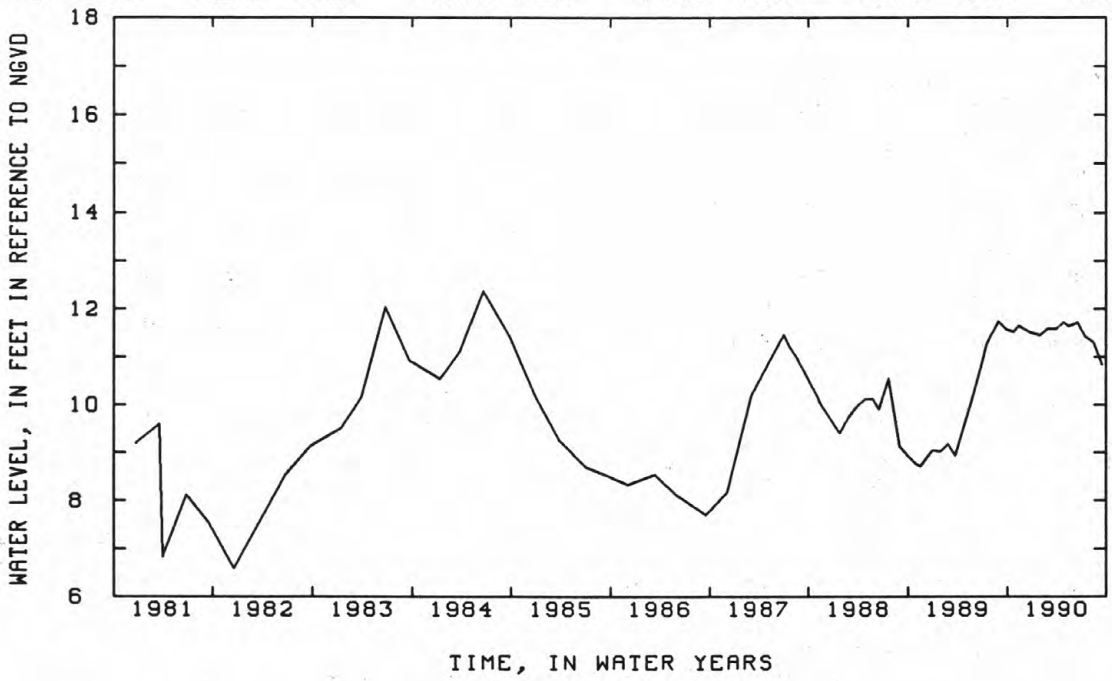
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.34	DEC 27	9.21	FEB 28	9.50	APR 27	9.60	JUN 18	9.53	AUG 15	9.08
NOV 14	9.39	JAN 31	9.29	MAR 29	9.51	MAY 15	9.52	JUL 16	9.29	SEP 17	8.72



405908072110001. Local number, S 8843.1
LOCATION.--Lat 40°59'08", long 71°11'00", Hydrologic Unit 02030202, at east side of Three Mile Harbor Road, behind house, 0.35 miles north of Morris Park Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 32.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 20, 1984; lowest measured, 6.59 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.52	DEC 27	11.51	FEB 28	11.59	APR 27	11.72	JUN 18	11.72	AUG 15	11.29
NOV 14	11.65	JAN 31	11.45	MAR 29	11.58	MAY 15	11.64	JUL 16	11.41	SEP 17	10.83



405907072172101. Local number, S 8844.1
LOCATION.--Lat 40°59'07", long 72°15'12", Hydrologic Unit 02030202, at south side of Hempstead Street, firewell, 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 USGS personnel.
DATUM.--Land-surface datum is 19.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, July 18, 1989; lowest measured, 4.43 ft NGVD, December 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.79	DEC 27	6.62	FEB 28	6.88	MAY 15	7.02	JUL 16	6.58	SEP 17	6.18
NOV 14	7.05	JAN 31	6.91	APR 27	7.07	JUN 26	6.80	AUG 15	6.55		

405250073180801. Local number, S 15622.1
LOCATION.--Lat 40°52'50", long 73°18'08", Hydrologic Unit 02030201, at north side of Pulaski Road, by Rowena Lane intersection, 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 USGS personnel.
DATUM.--Land-surface datum is 205.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, January 7, 1980; lowest measured, 34.33 ft NGVD, April 14, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	43.53	DEC 19	44.16	FEB 21	43.57	MAY 2	43.97	JUN 12	43.76	AUG 13	42.94
NOV 21	44.10	JAN 23	43.64	MAR 27	43.94	22	44.25	JUL 13	43.82	SEP 14	43.50

410634072223601. Local number, S 16783.2
LOCATION.--Lat 41°06'34", long 72°22'36", Hydrologic Unit 02030202, at south side of North Road, east of Moore Lane, Greenport. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 28 ft, screened 20 to 24 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.13 ft below land-surface datum.
REMARKS.--Replaced well S 16783.1 in May 1982, which has a period of record from August 1958 to September 1981.
PERIOD OF RECORD.--July 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.79 ft NGVD, March 18, 1983; lowest measured, 1.58 ft NGVD, September 23 and October 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.61	JAN 19	1.88	MAR 13	2.19	APR 27	2.60	JUN 12	2.37	JUL 23	2.01
NOV 21	2.88	23	1.96	26	2.17	MAY 15	2.43	18	2.28	AUG 15	2.03
JAN 3	1.82	FEB 21	2.60	APR 16	2.75	JUN 5	2.47	JUL 11	2.11	SEP 19	1.99

410858072171501. Local number, S 16787.1
LOCATION.--Lat 41°08'58", long 72°17'15", Hydrologic Unit 02030201, at south side of State Route 25, east of Platt Road, Orient. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44, ft screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.44 ft above land-surface datum.
PERIOD OF RECORD.--August 1958 to current year. Unpublished records from August 1958 to September 1977 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.16 ft NGVD, June 22, 1984; lowest measured, 1.12 ft NGVD, August 8, 1966.

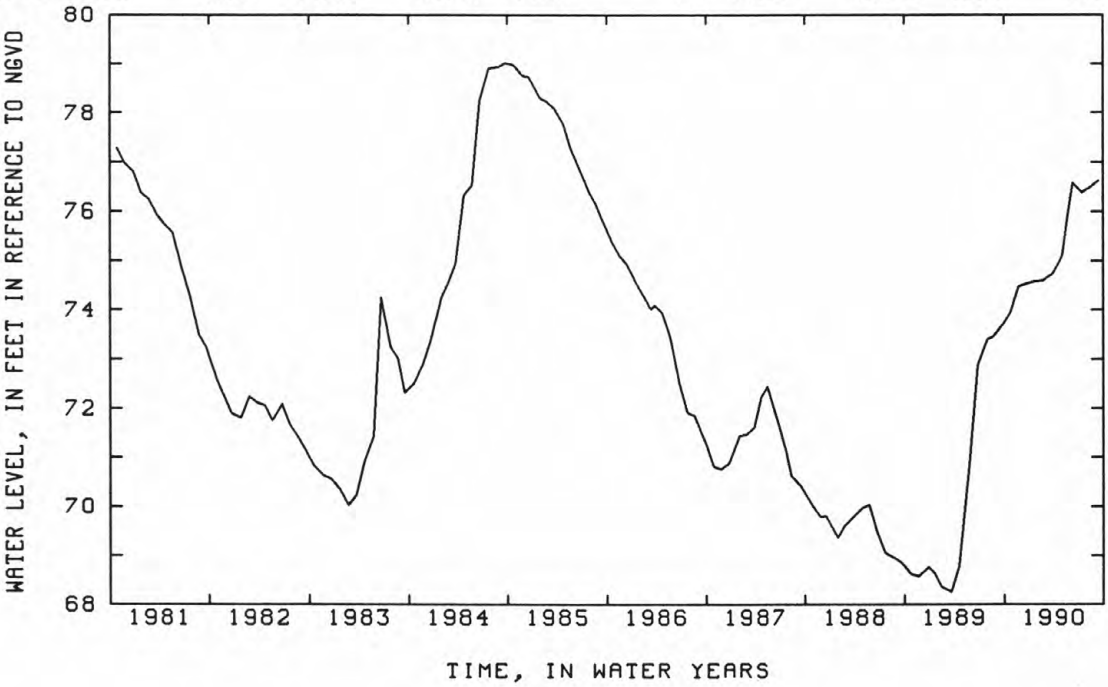
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.67	DEC 28	3.60	FEB 21	3.87	APR 27	3.89	JUN 18	3.71	AUG 15	3.52
NOV 21	3.91	JAN 23	3.44	MAR 26	3.84	MAY 15	3.85	JUL 11	3.54	SEP 19	3.29

404747073241501. Local number, S 16874.1
LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at northeast corner of Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 82 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 141.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.34 ft below land-surface datum.
PERIOD OF RECORD.--July 1958 to current year. Unpublished records from July 1958 to May 1959, August 1971 to September 1975, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.14 ft NGVD, May 21, 1980; lowest measured, 66.95 ft NGVD, October 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	73.96	DEC 19	74.53	FEB 21	74.60	MAY 2	75.11	JUN 12	76.58	AUG 14	76.49
NOV 22	74.48	JAN 23	74.58	MAR 27	74.73	22	75.94	JUL 13	76.38	SEP 14	76.61



405034073140401. Local number, S 16881.1
LOCATION.--Lat 40°50'34", long 73°14'04", Hydrologic Unit 02030201, at east side of Old Willets Path, north of Bridge Branch Road intersection, Commack. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 58.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, January 23, 1974; lowest measured, 29.26 ft NGVD, October 20, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	31.76	DEC 19	31.84	FEB 21	31.89	MAY 2	31.89	JUN 12	32.16	AUG 13	31.77
NOV 21	31.93	JAN 23	31.72	MAR 26	31.68	22	32.11	JUL 12	31.67	SEP 14	31.67

404528073114802. Local number, S 17987.2
LOCATION.--Lat 40°45'28", long 73°11'48", Hydrologic Unit 02030202, at west side of Carleton Avenue, 260 ft north of Spur Drive, Islip Terrace. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 16 ft, screened 13 to 16 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 36.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.20 ft below land-surface datum.
REMARKS.--Replaced well S 17987.1 in March 1981 at same location. Unpublished records from April 1959 to March 1981 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--March 1981 to current year. Unpublished records from March 1981 to September 1982 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft NGVD, June 12, 1984; lowest measured, 18.90 ft NGVD, March 24, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.59	DEC 26	23.54	FEB 28	24.36	APR 19	26.22	JUL 16	26.86	SEP 17	26.48
NOV 27	23.89	JAN 29	24.01	MAR 28	25.50	MAY 14	27.10				

404902073094001. Local number, S 22577.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 736 ft, screened 724 to 734 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.63 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.04 ft NGVD, March 28, 1979; lowest measured, 36.19 ft above NGVD, March 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	43.78	DEC 19	42.94	FEB 21	43.07	MAY 2	42.93	JUN 12	43.13	SEP 14	42.40
NOV 21	43.16	JAN 23	42.76	MAR 29	42.84	22	43.28	JUL 12	42.73		

404902073094002. Local number, S 22578.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 402 ft, screened 392 to 402 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.89 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.25 ft NGVD, March 28, 1979; lowest measured, 36.35 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 21	43.45	JAN 18	44.15	FEB 21	43.43	MAY 2	43.24	JUN 12	43.42	SEP 14	42.48
DEC 19	43.15	23	43.04	MAR 29	43.16	22	43.63	JUL 12	42.92		

404819073160303. Local number, S 24769.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, east of Wicks road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 810 ft, screened 800 to 810 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 1.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.33 ft NGVD, September 29, 1984; lowest measured, 45.31 ft NGVD, March 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	54.47	DEC 19	55.25	FEB 21	55.37	MAY 2	55.08	JUN 12	55.68	AUG 13	55.33
NOV 21	55.34	JAN 23	55.11	MAR 26	55.50	22	55.47	JUL 12	55.33	SEP 14	55.21

404829073161502. Local number, S 24770.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, east of Wicks Road, 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 USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.01 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.48 ft NGVD, May 2, 1979; lowest measured, 45.66 ft NGVD, March 7, 1966.

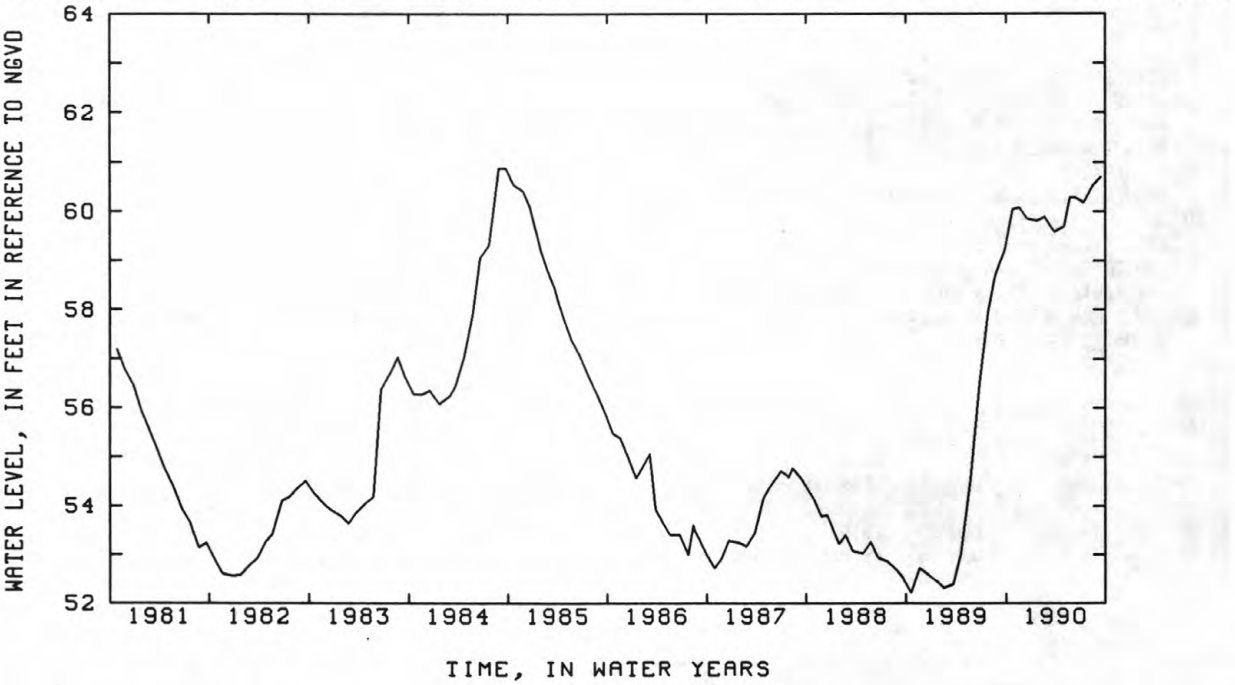
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	55.22	DEC 19	55.90	FEB 21	55.98	MAY 2	55.77	JUN 12	56.31	AUG 13	56.06
NOV 21	55.97	JAN 23	55.83	MAR 26	56.07	22	56.17	JUL 12	55.99	SEP 14	55.98

404820073160303. Local number, S 24771.1
LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, east of Wicks Road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 127 ft, screened 117 to 127 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.86 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.88 ft NGVD, August 28 and September 24, 1984; lowest measured, 43.50 ft NGVD, November 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	60.05	DEC 19	59.86	FEB 21	59.89	MAY 2	59.69	JUN 12	60.28	AUG 13	60.51
NOV 21	60.08	JAN 23	59.81	MAR 26	59.59	22	60.28	JUL 12	60.18	SEP 14	60.71



405455073025802. Local number, S 31734.1
LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,095 ft, screened 1,070 to 1,090 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 164.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling welded to casing cap, 1.62 ft above land-surface datum.
PERIOD OF RECORD.--December 1970 to current year. Unpublished records from December 1970 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.52 ft NGVD, May 30, 1979; lowest measured, 36.63 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	41.71	DEC 19	42.14	FEB 21	42.26	MAY 2	42.27	JUN 12	42.04	AUG 13	42.05
NOV 21	42.37	JAN 23	42.38	MAR 28	42.43	22	42.50	JUL 12	41.54	SEP 14	42.05

405452073025701. Local number, S 32895.1
LOCATION.--Lat 40°54'52", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 845 ft, screened 840 to 845 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 164.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.92 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year. Unpublished records from March 1970 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft NGVD, December 11, 1984; lowest measured, 37.97 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	43.62	DEC 19	44.72	FEB 21	44.75	MAY 2	44.79	JUN 12	44.03	AUG 13	43.85
NOV 21	43.34	JAN 23	44.28	MAR 28	44.47	22	44.34	JUL 12	43.35	SEP 14	43.97

405715072193701. Local number, S 33921.1
LOCATION.--Lat 40°57'15", long 72°19'37", Hydrologic Unit 02030202, at north side of Scuttlehole Road, near Millstone Road, Bridgehampton. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 174 ft, screened 159 to 174 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 110.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 2-in. steel reducer, 0.85 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 NGVD, March 30, 1978; lowest measured, 15.17 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.32	DEC 28	19.78	FEB 28	20.07	APR 27	21.31	JUN 18	20.52	AUG 15	20.46
NOV 14	19.54	JAN 31	19.88	MAR 29	20.13	MAY 15	20.33	JUL 17	20.47	SEP 17	20.25

405718072190401. Local number, S 33922.1
LOCATION.--Lat 40°57'14", long 72°19'38", Hydrologic Unit 02030202, at north side of Scuttlehole Road, near Millstone Road, Bridgehampton. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 815 ft, screened 408 to 449 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 110.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling welded to casing cap, 2.99 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.45 ft NGVD, March 17, 1976; lowest measured, 11.53 ft NGVD, September 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	14.82	DEC 28	14.88	FEB 28	15.02	APR 27	15.19	JUN 18	15.24	AUG 15	15.21
NOV 14	14.90	JAN 31	14.94	MAR 29	14.93	MAY 15	15.19	JUL 17	15.12	SEP 18	14.83

405038072414701. Local number, S 34742.1
LOCATION.--Lat 40°50'38", long 72°41'47", Hydrologic Unit 02030202, at 0.6 miles south of State Route 27, 120 ft east of Speonk Riverhead Road, Speonk. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 97 ft, screened 82 to 92 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel coupling, 4.56 ft above land-surface datum.
PERIOD OF RECORD.--January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.74 ft NGVD, April 2, 1979; lowest measured, 16.58 ft NGVD, December 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	24.37	DEC 26	24.72	FEB 28	24.31	APR 19	24.25	JUN 14	24.59	AUG 14	24.18
NOV 27	24.49	JAN 29	24.41	MAR 28	24.28	MAY 14	24.37	JUL 16	24.49	SEP 17	23.77

405040072414801. Local number, S 34743.1
LOCATION.--Lat 40°50'40", long 72°41'48", Hydrologic Unit 02030202, at 0.6 miles south of State Route 27, 120 ft east of Speonk Riverhead Road, Speonk. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, access pipe diameter 4 in., casing diameter 12 in., depth 1,226 ft, screened 1,077 to 1,117 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 2, 1979; lowest measured, 16.18 ft NGVD, March 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

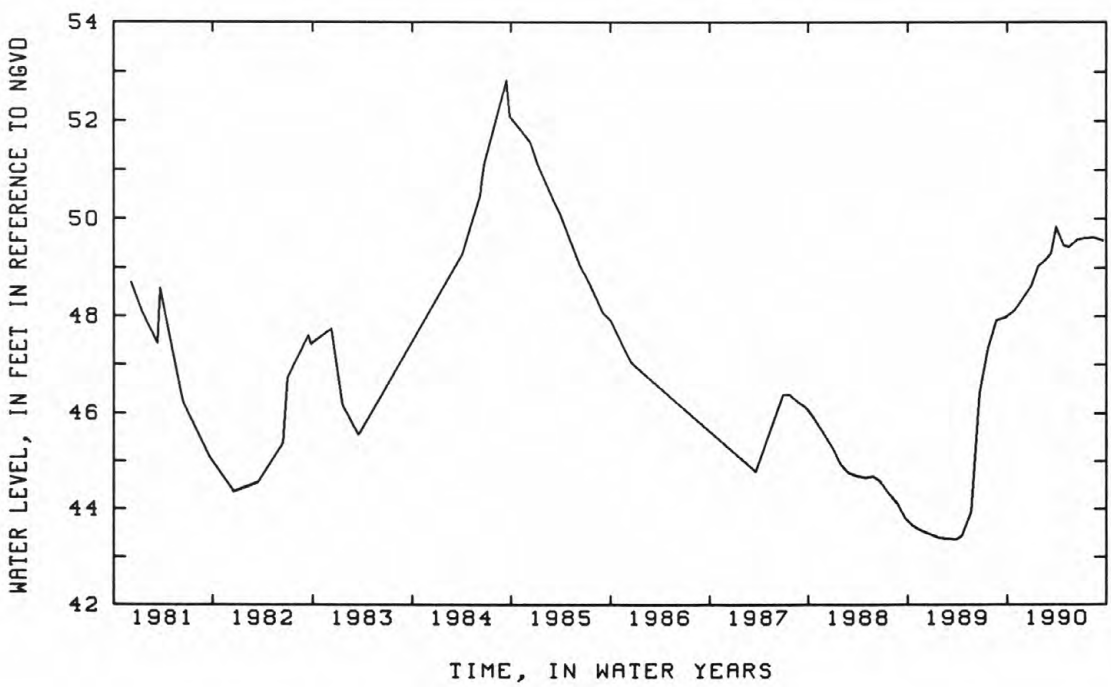
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.26	DEC 26	21.79	FEB 28	21.56	APR 19	21.33	JUN 14	21.66	AUG 14	21.36
NOV 27	21.46	JAN 29	21.56	MAR 28	21.45	MAY 14	21.51	JUL 16	21.52	SEP 17	21.11

405517072574902. Local number, S 34892.1
LOCATION.--Lat 40°55'19", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 miles south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 138 ft, screened 124 to 138 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 122.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 1.18 ft above land-surface datum.
PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.82 ft NGVD, September 15, 1984; lowest measured, 42.17 ft NGVD, March 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	48.10	JAN 23	49.03	MAR 11	49.30 G	APR 27	49.46	JUN 18	49.59	AUG 15	49.63
NOV 21	48.32	FEB 21	49.17	28	49.85	MAY 15	49.43	JUL 11	49.61	SEP 19	49.56
DEC 27	48.63										

G MEASUREMENT BY ANOTHER AGENCY

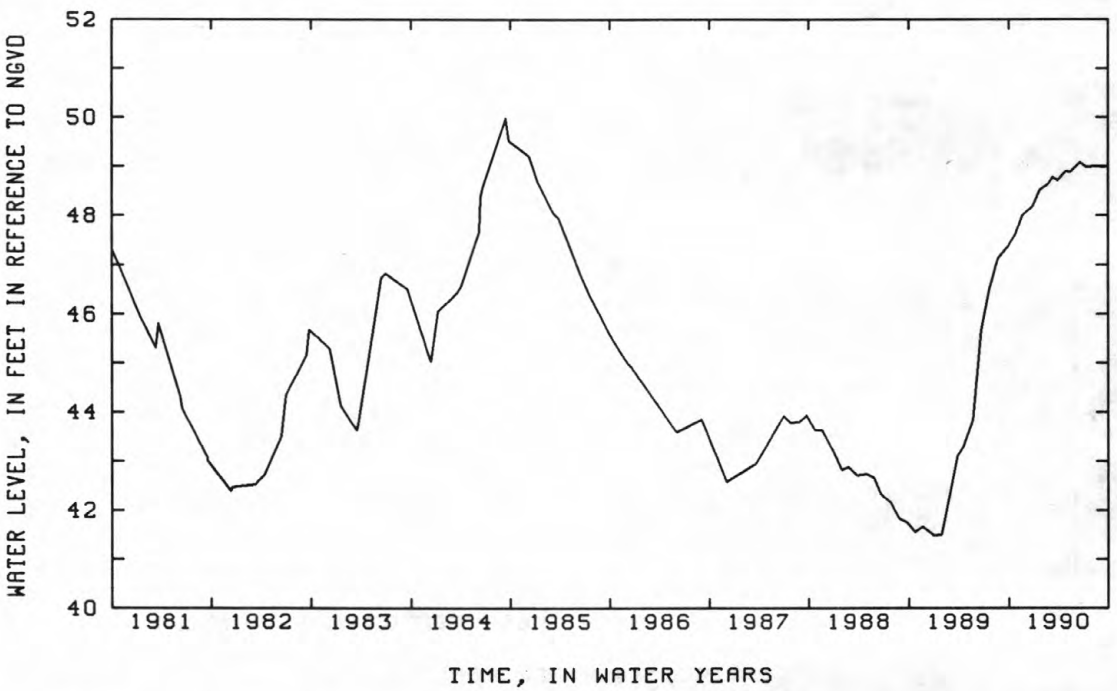


405517072574903. Local number, S 34894.1
LOCATION.--Lat 40°55'18", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 miles south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 745 ft, screened 698 to 745 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 122.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling welded to casing cap, 4.82 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year. Unpublished records from March 1970 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.99 ft NGVD, September 15, 1984; lowest measured, 40.56 ft NGVD, March 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	47.63	JAN 23	48.51	MAR 11	48.78 G	APR 27	48.90	JUN 18	49.08	AUG 15	49.00
NOV 21	48.00	FEB 21	48.62	28	48.71	MAY 15	48.88	JUL 11	48.99	SEP 19	48.99
DEC 27	48.18										

G MEASUREMENT BY ANOTHER AGENCY



404930073120002. Local number, S 36142.2
LOCATION.--Lat 40°49'30", long 73°12'00", Hydrologic Unit 02030202, at east side of Lincoln Boulevard, 266 ft south of Townline Road, Islip. Owner: Hauppauge School District.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 73 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 81.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 12, 1984; lowest measured, 41.07 ft NGVD, October 20, 1988.

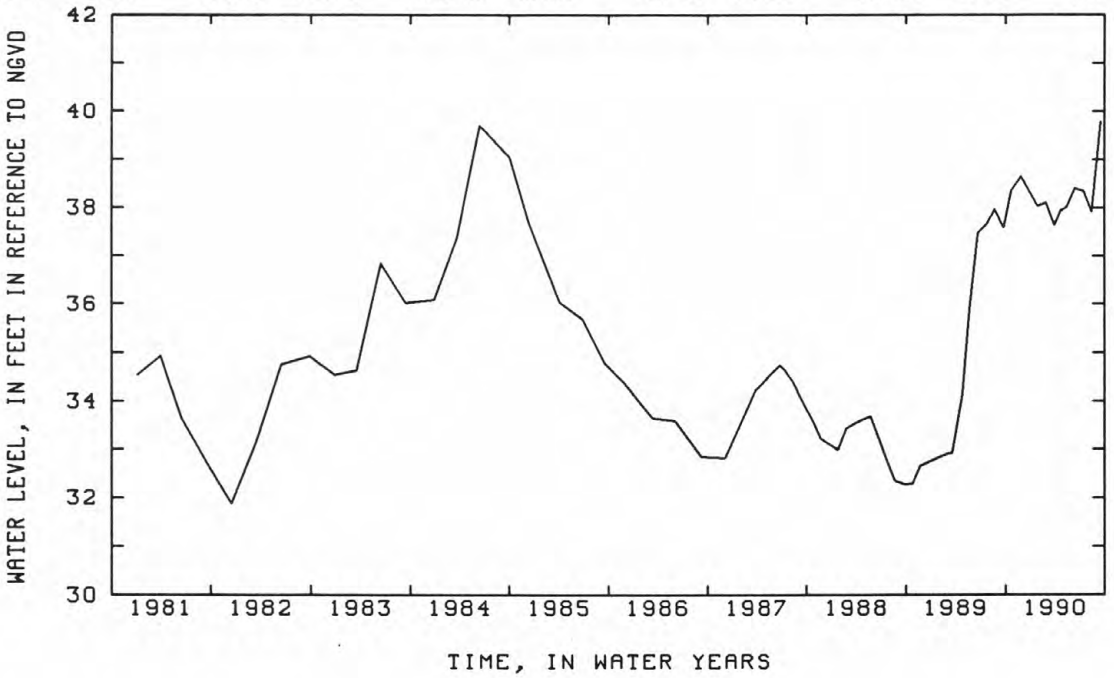
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	46.02	DEC 19	46.15	FEB 21	46.04	MAY 2	46.00	JUN 12	46.40	AUG 13	45.89
NOV 21	46.18	JAN 23	45.87	MAR 26	46.04	22	46.25	JUL 12	46.06	SEP 14	45.67

404640073050201. Local number, S 36144.1
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at east side of Lincoln Avenue, south of 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 USGS personnel.
DATUM.--Land-surface datum is 54.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 1.84 ft above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1977 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.96 ft NGVD, March 29, 1979; lowest measured, 31.88 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	38.36	DEC 26	38.36	FEB 28	38.10	APR 19	37.94	JUN 13	38.41	AUG 14	37.92
NOV 27	38.65	JAN 29	38.04	MAR 30	37.64	MAY 14	38.01	JUL 16	38.34	SEP 17	39.79



405542072462901. Local number, S 36149.1
LOCATION.--Lat 40°55'42", long 72°46'29", Hydrologic Unit 02030201, at northeast corner of State Route 25 and Fresh Pond Avenue, Wading River. Owner: Town of Riverhead.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered steel observation well, diameter 2 in., depth 87 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 83.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.37 ft below land-surface datum.
PERIOD OF RECORD.--October 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.76 ft NGVD, September 28, 1989; lowest measured, 25.62 ft NGVD, December 16, 1981.

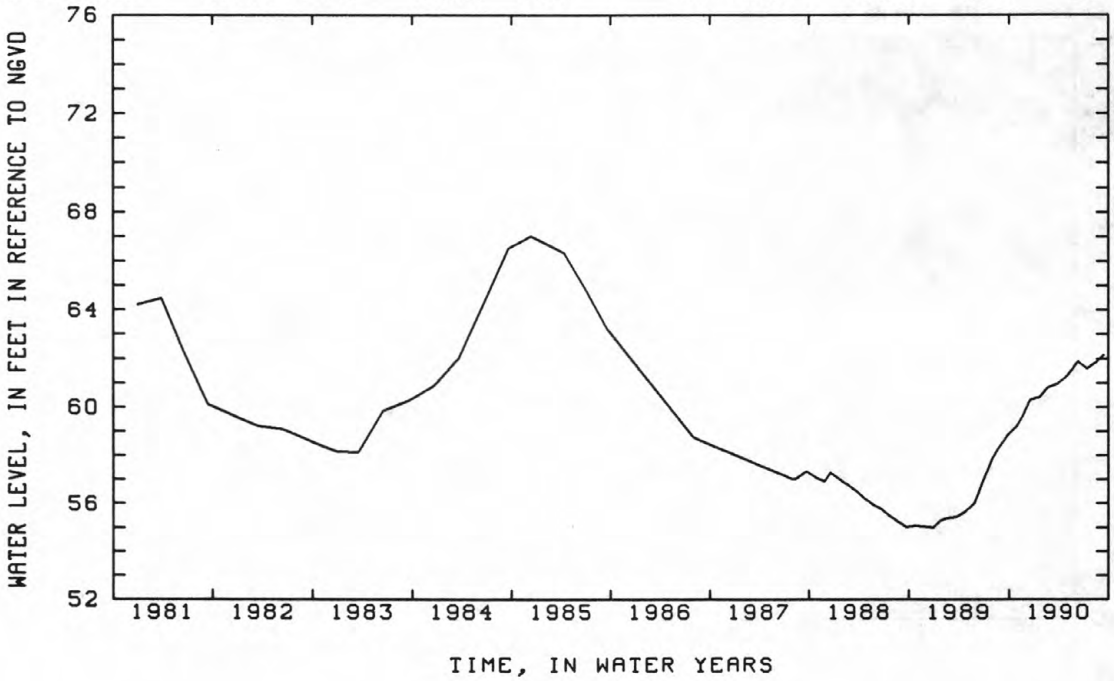
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	39.61	JAN 23	40.83	MAR 28	37.34	MAY 2	36.22	JUL 11	43.05	SEP 19	49.04
NOV 21	43.53	FEB 21	38.39	APR 27	36.45	JUN 18	42.25	AUG 15	43.61		

405013073263601. Local number, S 40840.1
LOCATION.--Lat 40°50'13", long 73°26'36", Hydrologic Unit 02030201, at intersection of Cold Spring Hill Road, Ledgewood Drive, and West Rogues Path, on grass island, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 79 ft , screened 77 to 79 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 131.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, December 10, 1984; lowest measured, 54.98 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	59.15	DEC 19	60.31	FEB 21	60.81	MAY 2	61.28	JUN 12	61.89	AUG 14	61.83
NOV 22	59.69	JAN 23	60.43	MAR 27	60.97	22	61.59	JUL 13	61.60	SEP 14	62.14



405124073111501. Local number, S 40843.1
LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at north end of grass island located at the intersection of North Country and Nissequogue River Roads, just north of Middle Country Road, Smithtown. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 66.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, March 27, 1979; lowest measured, 33.84 ft NGVD, July 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	36.47	DEC 19	36.07	FEB 21	36.07	MAY 2	35.90	JUN 12	36.44	AUG 13	35.82
NOV 21	36.56	JAN 23	35.68	MAR 29	35.62	22	36.47	JUL 13	35.58	SEP 14	35.77

405230073212101. Local number, S 46517.1
LOCATION.--Lat 40°52'30", long 73°21'21", Hydrologic Unit 02030201, at southeast corner of intersection 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 USGS personnel.
DATUM.--Land-surface datum is 123.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, at land-surface datum.
PERIOD OF RECORD.--September 1979 to current year. Unpublished records from September 1979 to September 1982 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.61 ft NGVD, June 11, 1984; lowest measured, 66.87 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	68.17	DEC 19	68.16	FEB 21	68.03	MAY 2	68.30	JUN 12	68.57	AUG 13	68.61
NOV 21	68.54	JAN 23	68.31	MAR 27	68.18	22	68.35	JUL 13	68.70	SEP 14	68.44

410218072093301. Local number, S 46519.1
LOCATION.--Lat 41°02'18", long 72°09'33", Hydrologic Unit 02030202, at north corner of intersection of Hog Creek Lane and White Birch Drive, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 32.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.08 ft below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records from November 1972 to September 1982 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.45 ft NGVD, January 13, 1983; lowest measured, Dry, September 16, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.18	DEC 27	3.19	FEB 28	3.37	APR 27	3.29	JUN 18	3.44	AUG 15	2.91
NOV 14	3.47	JAN 31	3.00	MAR 29	3.27	MAY 15	3.33	JUL 16	3.03	SEP 17	2.62

405139072432401. Local number, S 46544.1
LOCATION.--Lat 40°51'39", long 72°43'24", Hydrologic Unit 02030202, at south corner of County Road 51 and Service Road for 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 USGS personnel.
DATUM.--Land-surface datum is 102.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.
PERIOD OF RECORD.--December 1972 to current year. Unpublished records from December 1972 to September 1976 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.28 ft NGVD, June 28, 1979; lowest measured, 23.76 ft NGVD, March 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	29.52	DEC 26	30.29	FEB 28	30.66	APR 19	30.71	JUN 14	30.92	AUG 14	30.93
NOV 27	29.94	JAN 29	30.59	MAR 28	30.74	MAY 14	30.79	JUL 16	30.98	SEP 17	30.78

405604073064301. Local number, S 47973.1
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 USGS personnel.
DATUM.--Land-surface datum is 94.0 ft National Geodetic Vertical Datum of 1929. 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, 28.07 ft NGVD, June 27, 1979; lowest measured, 20.83 ft NGVD, March 5, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	26.63	JAN 23	26.35	MAR 13	26.63 G	MAY 2	26.71	JUN 12	27.18	AUG 13	27.09
NOV 21	26.75	FEB 21	26.59	28	26.60	22	26.94	JUL 13	27.21	SEP 14	27.07
DEC 19	26.55										

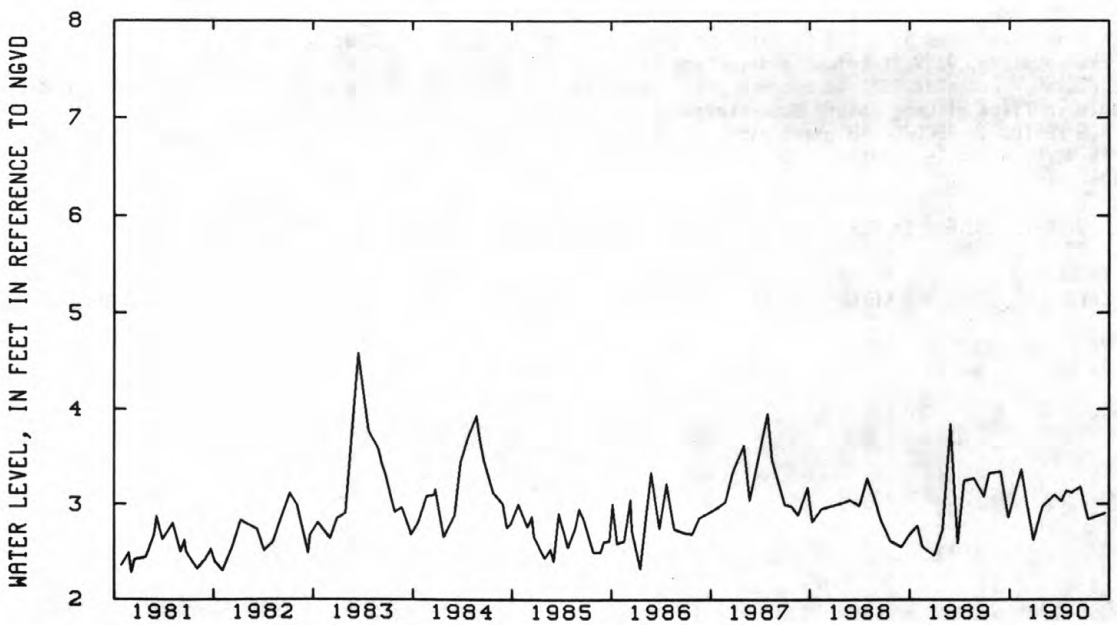
G MEASUREMENT BY ANOTHER AGENCY

410243071560101. Local number, S 48519.1
LOCATION.--Lat 41°02'42", long 71°56'05", Hydrologic Unit 02030202, at southwest corner of South Fairview Avenue and South Federal Street, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 82 ft, screened 68 to 78 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.68 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.59 ft NGVD, March 15, 1983; lowest measured, 2.07 ft NGVD, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.17	DEC 27	2.62	MAR 15	3.10 G	APR 27	3.14	JUN 18	3.18	AUG 15	2.87
NOV 14	3.36	JAN 31	2.97	APR 9	3.03	MAY 15	3.12	JUL 16	2.84	SEP 17	2.90

G MEASUREMENT BY ANOTHER AGENCY



410149071583201. Local number, S 48577.1
LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at north side of Montauk Point Parkway, east of entrance to East Hampton Disposal and Recycling Center, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 189 ft, screened 173 to 183 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 168.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.51 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.50 ft NGVD, September 18, 1979; lowest measured, -0.54 ft NGVD, May 5, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	4.10	JAN 31	3.72	MAR 15	4.08 G	APR 27	4.12	JUN 19	4.31	AUG 15	4.08
NOV 14	4.21	FEB 28	4.29	APR 9	3.91	MAY 15	3.85	JUL 16	3.98	SEP 17	4.10
DEC 27	3.66										

G MEASUREMENT BY ANOTHER AGENCY

410316071535501. Local number, S 48579.1
LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at north side of Montauk Highway, adjacent to intersection of Old Montauk Highway, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 66 ft, screened 53 to 56 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 38.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.55 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft NGVD, June 5, 1984; lowest measured, 2.46 ft NGVD, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.52	JAN 31	3.38	MAR 15	3.56 G	APR 27	3.57	JUN 19	3.83	AUG 15	3.43
NOV 14	3.73	FEB 28	3.48	29	3.27	MAY 15	3.65	JUL 16	3.45	SEP 17	3.53
DEC 27	3.16										

G MEASUREMENT BY ANOTHER AGENCY

405309073125401. Local number, S 50507.1
LOCATION.--Lat 40°53'09", long 73°12'54", Hydrologic Unit 02030201, at east side of Landing Avenue, 1.5 miles north of Spruce Street, San Remo. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 90.3 ft National Geodetic Vertical Datum of 1929. 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 NGVD, September 19, 1984; lowest measured, 41.51 ft NGVD, December 14, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	45.94	JAN 23	46.06	FEB 21	45.99	MAY 2	45.93	JUN 12	46.17	AUG 13	46.13
NOV 21	46.09	FEB 20	45.89	MAR 26	45.97	22	46.09	JUL 13	46.20	SEP 14	45.95
DEC 19	46.11										

410104072303301. Local number, S 53324.1
LOCATION.--Lat 41°01'04", long 72°30'33", Hydrologic Unit 02030202, at east side of Alvahs Lane, 200 ft north of State Route 27A, 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 USGS personnel.
DATUM.--Land-surface datum is 42.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, September 28, 1989; lowest measured, 3.52 ft NGVD, November 20, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.98	DEC 28	9.68	FEB 21	8.98	APR 27	8.96	JUN 18	8.62	AUG 15	7.95
NOV 21	9.96	JAN 23	9.31	MAR 26	8.89	MAY 15	8.95	JUL 11	9.35	SEP 19	7.52

404642072520001. Local number, S 54882.1
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 USGS personnel.
DATUM.--Land-surface datum is 33.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, August 23, 1989; lowest measured, 6.48 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.22	DEC 26	11.71	FEB 28	11.12	APR 19	10.54	JUN 14	11.05	AUG 14	10.23
NOV 27	12.24	JAN 29	10.99	MAR 29	10.67	MAY 14	10.54	JUL 16	10.71	SEP 17	9.58

405418072494401. Local number, S 54884.1
LOCATION.--Lat 40°54'18", long 72°49'44", Hydrologic Unit 02030202, at north corner of Wading River Road and Grumman Boulevard, Manorville. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, February 1, 1979; lowest measured, 40.50 ft NGVD, November 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	45.10	DEC 27	45.12	FEB 21	45.91	APR 27	45.86	JUN 18	45.93	AUG 15	44.75
NOV 21	45.81	JAN 23	45.15	MAR 28	45.38	MAY 15	45.68	JUL 11	45.43	SEP 19	44.23

405241072381801. Local number, S 54886.1
LOCATION.--Lat 40°52'41", long 72°38'18", Hydrologic Unit 02030202, at intersection of Old Riverhead Road and Riverhead-Quogue Road, on grass island, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 59.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.41 ft NGVD, September 25, 1984; lowest measured, 15.25 ft NGVD, December 29, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.60	DEC 26	22.06	FEB 28	21.75	APR 19	21.48	JUN 14	21.55	AUG 21	21.11
NOV 27	21.92	JAN 29	21.80	MAR 28	21.59	MAY 14	21.55	JUL 16	21.41	SEP 17	20.80

405326072275601. Local number, S 57366.1
LOCATION.--Lat 40°53'26", long 72°27'56", Hydrologic Unit 02030202, at west side of Hills 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 USGS personnel.
DATUM.--Land-surface datum is 55.4 ft National Geodetic Vertical Datum of 1929. 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 NGVD, August 30, 1989; lowest measured, 3.19 ft NGVD, March 13, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.14	JAN 28	3.97	FEB 28	4.36	APR 27	4.48	JUN 18	4.71	AUG 15	4.60
NOV 14	5.08	31	4.59	MAR 28	4.29	MAY 15	4.58	JUL 16	4.50	SEP 17	4.47
DEC 27	4.45										

410052072134001. Local number, S 57371.1
LOCATION.--Lat 41°00'55", long 72°13'42", Hydrologic Unit 02030202, at west side of Old Northwest Road, 0.95 miles 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 USGS personnel.
DATUM.--Land-surface datum is 24.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 4, 1979; lowest measured, 5.80 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.69	JAN 31	8.83	MAR 16	9.17 G	APR 27	9.35	JUN 18	9.34	AUG 15	8.62
NOV 14	8.89	FEB 28	9.14	29	9.18	MAY 15	9.32	JUL 16	8.91	SEP 17	8.15
DEC 27	8.94										

G MEASUREMENT BY ANOTHER AGENCY

405927072041901. Local number, S 57372.1
LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at south side of Montauk Highway, 2.4 miles east of Bluff Road. Napeague State Park. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 12 ft, screened 8 to 12 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 8.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.03 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year. Unpublished records from January 1976 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft NGVD, July 18, 1989; lowest measured, 2.16 ft NGVD, July 22, 1988

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

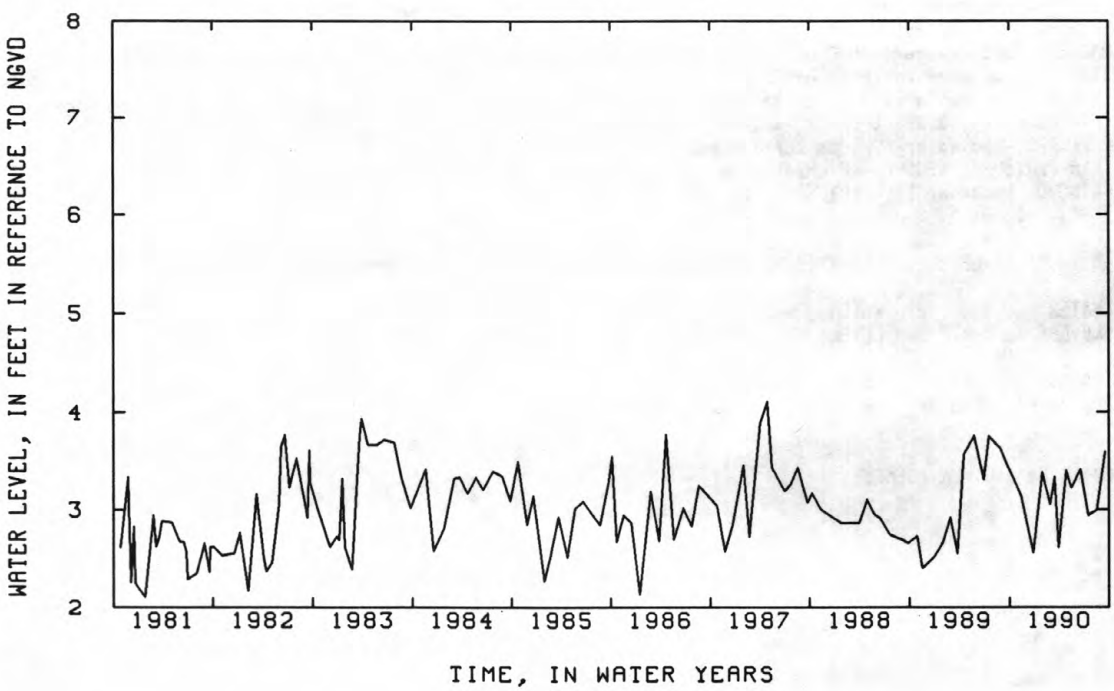
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.30	DEC 27	2.58	FEB 28	3.18	APR 27	2.90	JUN 18	2.79	AUG 15	2.85
NOV 14	2.47	JAN 31	3.79	MAR 29	2.91	MAY 15	3.12	JUL 16	2.85	SEP 17	2.73

410040072002501. Local number, S 58921.1
LOCATION.--Lat 41°00'40", long 72°00'24", Hydrologic Unit 02030202, at north side of Montauk Highway, east of Hither Hills State Park entrance, Hither Hills. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 75 ft, screened 67 to 72 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 48.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 0.25 ft below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft NGVD, April 30, 1987; lowest measured, 2.11 ft NGVD, January 26, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.26	JAN 31	3.38	MAR 15	3.33 G	APR 27	3.40	JUN 18	3.41	AUG 15	2.99
NOV 14	3.14	FEB 28	3.05	29	2.61	MAY 15	3.22	JUL 16	2.94	SEP 17	3.59
DEC 27	2.56										

G MEASUREMENT BY ANOTHER AGENCY



405558072252401. Local number, S 58956.1
LOCATION.--Lat 40°55'57", long 72°25'43", Hydrologic Unit 02030202, at west side of North Sea Road, 107 ft north of Jennings Road, North Sea. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 43 ft, screened 35 to 40 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 0.61 ft below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.51 ft NGVD, September 16, 1982; lowest measured, 0.19 ft NGVD, January 17, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.29	JAN 31	1.83	MAR 26	1.74 G	APR 27	1.65	JUN 19	1.66	AUG 15	1.22
NOV 14	2.03	FEB 28	1.44	29	0.87	MAY 15	1.41	JUL 17	1.29	SEP 18	1.94
DEC 28	1.76										

G MEASUREMENT BY ANOTHER AGENCY

405642072240001. Local number, S 59992.1
LOCATION.--Lat 40°56'42", long 72°24'00", Hydrologic Unit 02030202, at southwest corner of 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 USGS personnel.
DATUM.--Land-surface datum is 24.2 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 17, 1984; lowest measured, 4.46 ft NGVD, June 23, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.69	JAN 31	5.56	MAR 26	5.68 G	APR 27	5.69	JUN 19	5.73	AUG 15	5.58
NOV 14	5.87	FEB 28	5.54	29	5.30	MAY 15	5.64	JUL 17	5.51	SEP 18	5.53
DEC 28	5.43										

G MEASUREMENT BY ANOTHER AGENCY

405559072145901. Local number, S 60123.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, 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 USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 20, 1984; lowest measured, 8.16 ft NGVD, November 18, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.93	DEC 27	7.76	FEB 28	8.04	APR 27	8.06	JUN 18	7.78	AUG 15	7.96
NOV 14	8.20	JAN 31	8.15	MAR 28	8.07	MAY 15	7.86	JUL 16	7.71	SEP 17	7.96

405600072150003. Local number, S 62394.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, 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 USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. 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, 8.47 ft NGVD, July 18, 1989; lowest measured, 5.84 ft NGVD, July 2, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.77	DEC 27	7.53	FEB 28	7.89	APR 27	7.87	JUN 18	7.49	AUG 15	7.69
NOV 14	8.02	JAN 31	7.96	MAR 28	7.76	MAY 15	7.65	JUL 16	7.28	SEP 17	7.44

405600072150002. Local number, S 62395.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, 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 USGS personnel.
DATUM.--Land-surface datum is 11.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.45 ft NGVD, July 18, 1989; lowest measured, 5.90 ft NGVD, October 28, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.69	DEC 27	7.54	FEB 28	7.87	APR 27	7.84	JUN 18	7.45	AUG 15	7.69
NOV 14	8.05	JAN 31	7.95	MAR 28	7.75	MAY 15	7.63	JUL 16	7.26	SEP 17	7.37

415843072213401. Local number, S 62402.1
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 USGS personnel.
DATUM.--Land-surface datum is 99.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.20 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 NGVD, June 20, 1984; lowest measured, 32.58 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	36.82	JAN 31	36.82	MAR 29	37.22	MAY 15	37.52	JUL 17	37.42	SEP 18	36.79
NOV 14	36.86	FEB 28	37.05	APR 27	37.44	JUN 19	37.65	AUG 15	37.23		

405740073064501. Local number, S 62405.1
LOCATION.--Lat 40°57'40", long 73°06'45", Hydrologic Unit 02030201, at Conscience Circle, on southwest corner of grass island, west of Maple Road, Strong's Neck. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 38.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.
PERIOD OF RECORD.--October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft NGVD, June 25, 1982; lowest measured, 2.79 ft NGVD, March 26, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

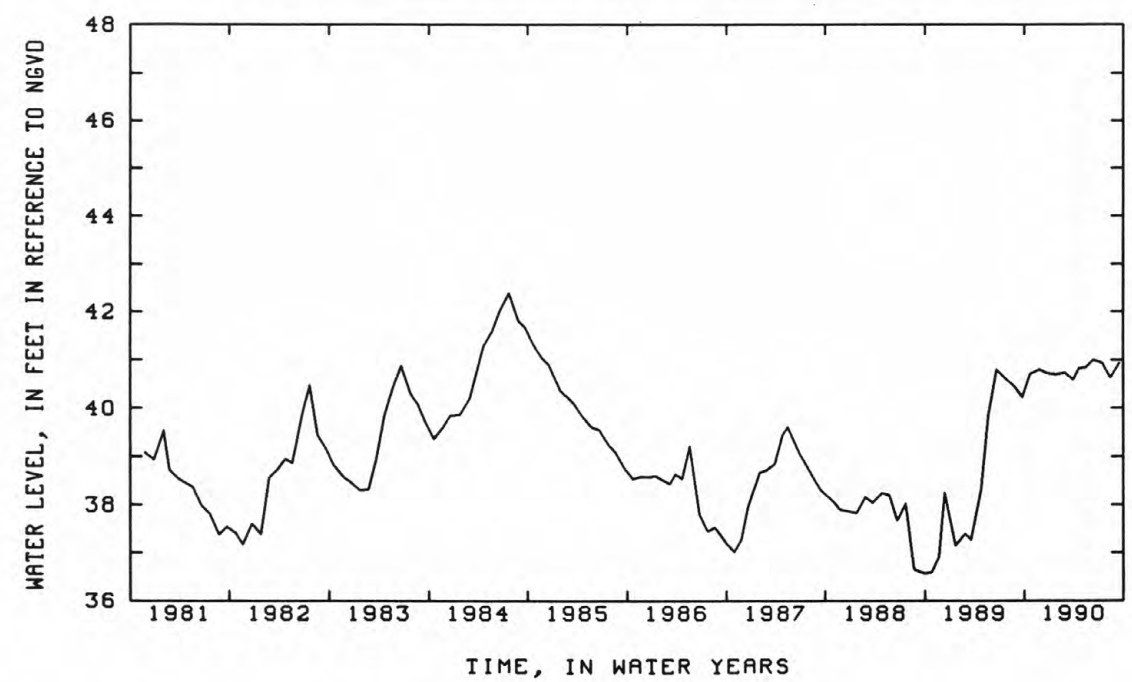
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.72	JAN 23	3.48	MAR 13	3.56 G	MAY 2	3.62	JUN 12	4.02	AUG 13	3.88
NOV 21	3.79	FEB 21	3.69	28	3.61	22	3.80	JUL 13	3.99	SEP 14	3.90
DEC 19	3.68										

G MEASUREMENT BY ANOTHER AGENCY

404813073084102. Local number, S 65601.1
LOCATION.-Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at northside of Johnson Avenue, 70 ft east of Terry Road, Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 41 ft, screened 38 to 41 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 62.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.20 ft below land-surface datum.
REMARKS.--Replaced well S 1813.2 in September 1978. Record from November 1939 to September 1978 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.39 ft NGVD, July 23, 1984; lowest measured, 36.57 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

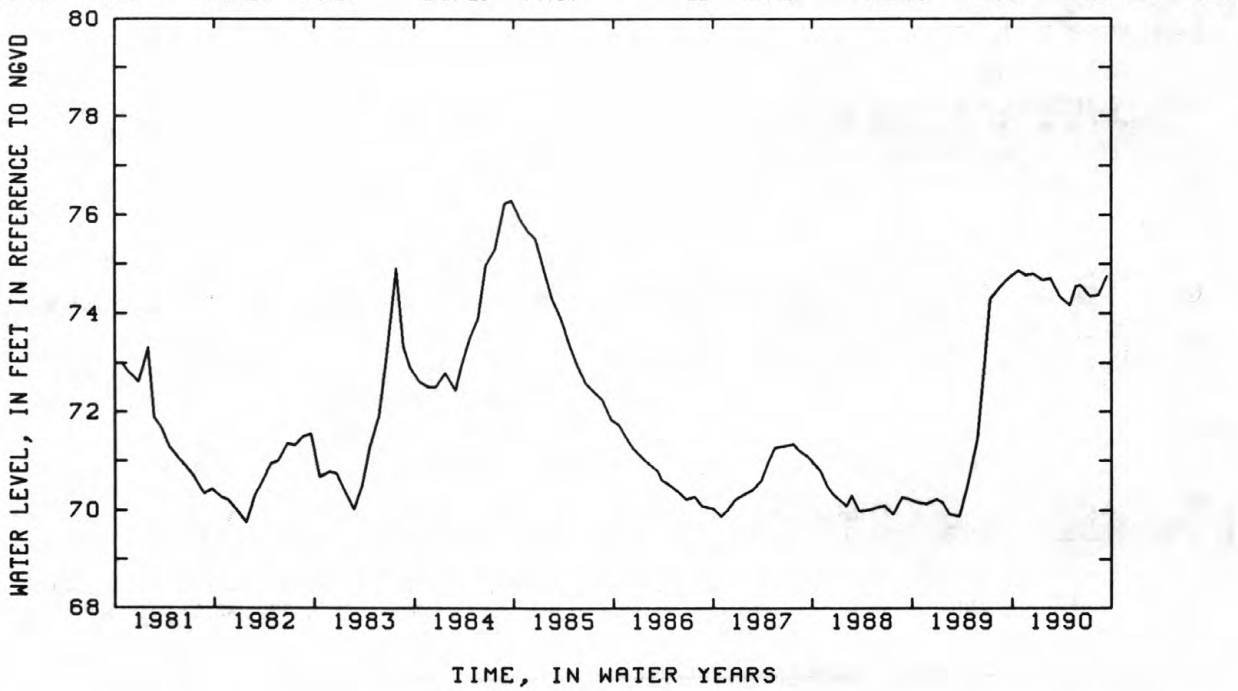
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	40.71	DEC 26	40.73	FEB 28	40.74	APR 19	40.83	JUN 13	41.00	AUG 14	40.63
NOV 27	40.80	JAN 29	40.70	MAR 30	40.59	MAY 14	40.85	JUL 16	40.93	SEP 17	40.94



405030073180601. Local number, S 65602.1
LOCATION.--Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at southwest corner of Wiltshire Drive and Renee Place, Commack. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 96 ft, screened 91 to 96 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 146.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.
REMARKS.--Replaces well S 3514.1 in September 1978, which has a period of record from May 1942 to September 1978.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.41 ft NGVD, August 28, 1979; lowest measured, 69.74 ft NGVD, January 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

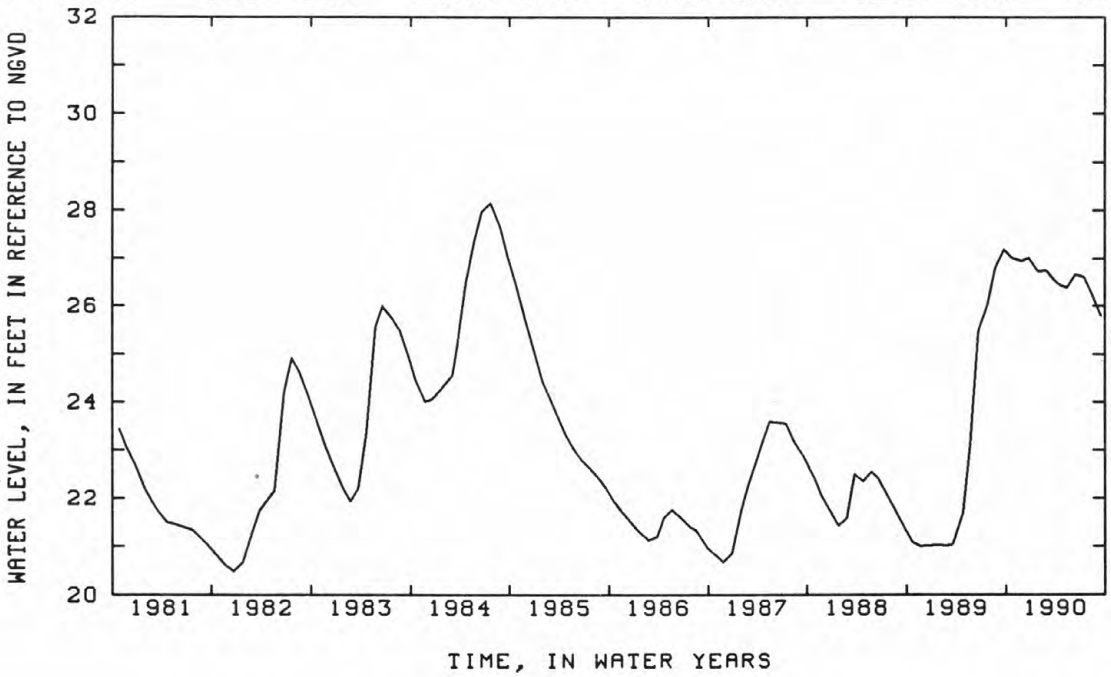
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	74.87	DEC 19	74.81	FEB 21	74.71	MAY 2	74.17	JUN 12	74.57	AUG 14	74.37
NOV 21	74.78	JAN 23	74.67	MAR 26	74.34	22	74.56	JUL 13	74.35	SEP 14	74.75



404936072483501. Local number, S 65604.1
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 USGS personnel.
DATUM.--Land-surface datum is 64.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaces well S 6439.1 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 NGVD, July 23, 1984; lowest measured, 20.48 ft NGVD, December 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	27.01	DEC 26	27.02	FEB 28	26.75	APR 19	26.44	JUN 14	26.68	AUG 14	26.26
NOV 27	26.95	JAN 29	26.74	MAR 29	26.53	MAY 14	26.38	JUL 16	26.61	SEP 17	25.79



404430073123301. Local number, S 66135.1
LOCATION.--Lat 40°44'30", long 73°12'33", Hydrologic Unit 02030202, at south side of Sunrise Highway, west of Great Neck Road, in grassy area of entrance ramp cloverleaf, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, casing diameter 6 in., screen diameter 4 in., depth 168 ft, screened 127 to 137 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 30.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 3.99 ft above land-surface datum.
PERIOD OF RECORD.--January 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.55 ft NGVD, November 27, 1989; lowest measured, 18.43 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.83	DEC 26	22.31	FEB 28	22.73	APR 19	22.99	JUN 13	21.73	AUG 14	20.23
NOV 27	23.55	JAN 29	22.63	MAR 2	21.16 G	MAY 14	22.95	JUL 16	22.40	SEP 17	21.05

G MEASUREMENT BY ANOTHER AGENCY

403935073235001. Local number, S 66136.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road across from Harding Road intersection, eastern most well, Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, casing diameter 6 in., screen diameter 4 in., depth 134 ft, screened 124 to 134 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. PVC casing, 2.43 ft above land-surface datum.
PERIOD OF RECORD.--October 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft NGVD, August 21, 1990; lowest measured, 3.37 ft NGVD, September 13, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	3.69 G	APR 16	3.85	JUN 15	4.07	JUL 21	4.11	AUG 21	4.61	SEP 28	3.98

G MEASUREMENT BY ANOTHER AGENCY

404524073123401. Local number, S 66149.1
LOCATION.--Lat 40°45'24", long 73°12'34", Hydrologic Unit 02030202, at southeast corner of State Route 111 and Spur Drive North, near Southern Parkway exit ramp, Islip. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 167 ft, screened 157 to 167 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 40.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 2.33 ft below land-surface datum.
PERIOD OF RECORD.--January 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.92 ft NGVD, May 22 and June 22, 1989; lowest measured, 20.55 ft NGVD, March 7, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.25	JAN 29	24.61	MAR 2	24.62 G	APR 19	24.90	JUN 13	24.97	AUG 14	24.22
NOV 27	25.13	FEB 28	24.75	30	24.42	MAY 14	24.89	JUL 16	24.62	SEP 17	24.49
DEC 26	24.61										

G MEASUREMENT BY ANOTHER AGENCY

403935073235002. Local number, S 67537.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road, across from Harding Road intersection, eastern middle well, Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 61 ft, screened 56 to 61 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC casing, 0.28 ft below land-surface datum.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.48 ft NGVD, August 21, 1990; lowest measured, 1.28 ft NGVD, December 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	1.66	APR 16	1.60	JUN 15	0.80	JUL 24	1.94	AUG 21	2.48	SEP 28	1.63

405529073272901. Local number, S 69781.1
LOCATION.--Lat 40°55'29", long 73°27'29", Hydrologic Unit 02030201, at Caumsett State Park, 1 mile northeast of parking field, on park service road, Lloyd Neck. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 155 ft, screened 139 to 149 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 109.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, July 13, 1990; lowest measured, 6.44 ft NGVD, March 22, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

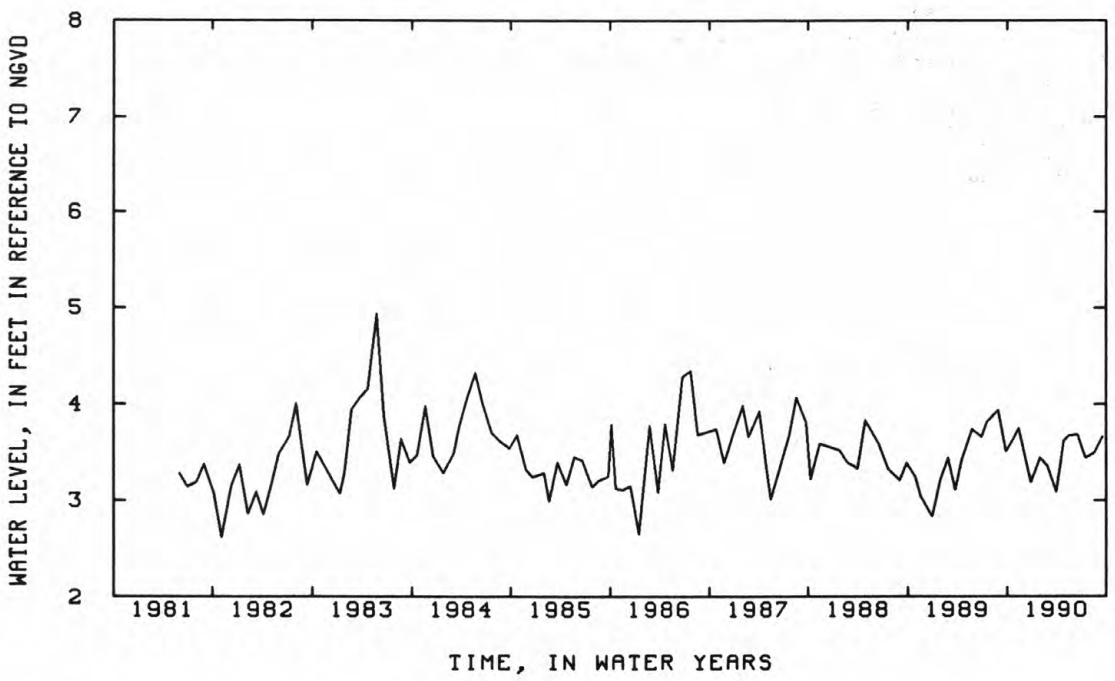
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.30	JAN 23	8.56	MAR 15	8.51 G	MAY 2	8.65	JUN 12	9.53	AUG 14	9.76
NOV 22	9.16	FEB 21	8.50	27	8.47	22	8.97	JUL 13	9.85	SEP 14	9.56
DEC 19	8.91										

G MEASUREMENT BY ANOTHER AGENCY

410343071533101. Local number, S 70262.1
LOCATION.--Lat 41°03'43", long 71°53'31", Hydrologic Unit 02030202, at south side of Montauk Point State Parkway, 110 ft west of Highway Marker 27 0705 19.02, Montauk. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 168 ft, screened 158 to 163 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.94 ft NGVD, May 23, 1983; lowest measured, 2.62 ft NGVD, November 3, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.65	DEC 27	3.19	FEB 28	3.35	APR 27	3.62	JUN 18	3.68	AUG 15	3.49
NOV 14	3.75	JAN 31	3.44	MAR 29	3.09	MAY 15	3.67	JUL 16	3.44	SEP 17	3.66



405801072354401. Local number, S 71576.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, 1.6 miles north of Main Road, 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 USGS personnel.
DATUM.--Land-surface datum is 50.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.30 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 NGVD, September 27, 1984; lowest measured, 7.44 ft NGVD, February 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.04	DEC 27	10.00	FEB 21	9.90	APR 27	10.16	JUN 18	10.07	AUG 15	9.47
NOV 21	10.26	JAN 23	9.99	MAR 26	9.88	MAY 15	10.14	JUL 11	10.71	SEP 19	9.13

405842072240003. Local number, S 73993.1
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 USGS personnel.
DATUM.--Land-surface datum is 24.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. PVC casing, 0.5 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 NGVD, April 17, 1984; lowest measured, 4.43 ft NGVD, September 23, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.67	DEC 28	5.40	FEB 28	5.53	APR 27	5.66	JUN 19	5.72	AUG 15	5.56
NOV 14	5.83	JAN 31	5.53	MAR 29	5.31	MAY 15	5.62	JUL 17	5.48	SEP 18	5.49

405600072150005. Local number, S 73994.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, 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 USGS personnel.
DATUM.--Land-surface datum is 12.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. PVC casing, 0.3 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft NGVD, June 20, 1984; lowest measured, 4.30 ft NGVD, October 28, 1988

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.88	DEC 27	5.74	FEB 28	5.96	APR 27	5.97	JUN 18	5.69	AUG 15	5.85
NOV 14	6.10	JAN 31	6.11	MAR 28	5.95	MAY 15	5.79	JUL 16	5.62	SEP 17	5.85

405858072213501. Local number, S 73998.1
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, 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 USGS personnel.
DATUM.--Land-surface datum is 99.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.2 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 NGVD, August 30, 1989; lowest measured, 4.00 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.57	DEC 28	5.43	FEB 28	5.47	APR 27	5.79	JUN 19	5.94	AUG 15	5.85
NOV 14	5.77	JAN 31	5.73	MAR 29	5.35	MAY 15	5.74	JUL 17	5.71	SEP 18	5.77

405858072213602. Local number, S 73999.1
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, 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 USGS personnel.
DATUM.--Land-surface datum is 99.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 17, 1984; lowest measured, 8.82 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.71	DEC 28	10.62	FEB 28	10.65	APR 27	10.86	JUN 19	11.02	AUG 15	10.85
NOV 14	10.86	JAN 31	10.69	MAR 29	10.65	MAY 15	10.76	JUL 17	10.77	SEP 17	10.86

404750073225302. Local number, S 74284.2
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at east side of North Road, 610 ft south of South Road, southern most well, Suffolk County Developmental Center, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 707 ft, screened 699 to 704 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 154.0 ft National Geodetic Vertical Datum of 1929. 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, 78.29 ft NGVD, December 17, 1984; lowest measured, 67.23 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	73.26	DEC 19	74.00	FEB 21	74.41	MAR 27	74.53	MAY 22	75.22	JUL 13	75.41
NOV 22	73.45	JAN 23	74.32	MAR 1	73.63 G	MAY 2	74.63	JUN 12	75.39	SEP 14	76.22

G MEASUREMENT BY ANOTHER AGENCY

404750073225303. Local number, S 74285.1
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at east side of North Road, 610 ft south of South Road, middle well, Suffolk County Developmental Center, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 448 ft, screened 440 to 445 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 154.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.38 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.47 ft NGVD, December 17, 1984; lowest measured, 67.32 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	73.32	JAN 23	74.36	MAR 1	74.66 G	MAY 2	74.68	JUN 12	75.43	AUG 14	75.66
NOV 22	73.50	FEB 21	74.44	27	74.51	22	75.25	JUL 13	75.45	SEP 14	75.83
DEC 19	74.02										

G MEASUREMENT BY ANOTHER AGENCY

404750073225304. Local number, S 74286.1
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at east side of North Road, 610 ft south of South Road, north well, Suffolk County Developmental Center, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 115 ft, screened 107 to 112 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 154.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.53 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.78 ft NGVD, December 17, 1984; lowest measured, 69.77 ft NGVD, March 22, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	75.76	JAN 23	76.89	MAR 1	77.24 G	MAY 2	77.26	JUN 12	77.68	AUG 14	78.34
NOV 22	76.01	FEB 21	77.17	27	77.25	22	77.60	JUL 13	77.95	SEP 14	78.81
DEC 19	76.73										

G MEASUREMENT BY ANOTHER AGENCY

405322072454101. Local number, S 74292.1
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 USGS personnel.
DATUM.--Land-surface datum is 75.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.80 ft below land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.22 ft NGVD, June 21, 1984; lowest measured, 33.64 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	39.82	DEC 27	40.50	FEB 21	40.72	APR 27	40.95	JUN 18	41.30	AUG 15	40.80
NOV 21	40.36	JAN 23	40.56	MAR 29	40.75	MAY 15	41.05	JUL 11	41.22	SEP 19	40.24

404433073244903. Local number, S 74586.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, western most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 441 ft, screened 433 to 438 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.90 ft below land-surface datum.
PERIOD OF RECORD.--April 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.33 ft NGVD, June 5, 1984; lowest measured, 50.58 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	57.33	JAN 29	56.72	MAR 1	57.44 G	APR 19	56.63	JUN 13	57.70	AUG 14	56.98
NOV 27	57.66	FEB 28	56.80	27	56.31	MAY 14	57.05	JUL 16	57.22	SEP 17	57.69
DEC 26	57.26										

G MEASUREMENT BY ANOTHER AGENCY

404433073244904. Local number, S 74587.1
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 USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 5, 1984; lowest measured, 50.80 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	58.30	JAN 29	57.65	MAR 1	57.80 G	APR 19	57.63	JUN 13	59.06	AUG 14	58.02
NOV 27	58.72	FEB 28	57.83	27	57.42	MAY 14	58.03	JUL 16	58.61	SEP 17	58.71
DEC 26	58.27										

G MEASUREMENT BY ANOTHER AGENCY

404433073244905. Local number, S 75033.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, eastern most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 62 ft, screened 47 to 52 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 5, 1984; lowest measured, 51.81 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	58.42	JAN 29	57.77	MAR 1	57.96 G	APR 19	57.75	JUN 13	59.24	AUG 14	58.17
NOV 27	58.86	FEB 28	57.96	27	57.54	MAY 14	58.15	JUL 16	58.77	SEP 17	58.83
DEC 26	58.35										

G MEASUREMENT BY ANOTHER AGENCY

404433073244902. Local number, S 75034.2
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 USGS personnel.
DATUM.--Land-surface datum is 86.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 9, 1984; lowest measured, 50.12 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	56.78	JAN 29	56.13	MAR 1	56.25 G	APR 19	56.03	JUN 13	57.03	AUG 14	56.39
NOV 27	57.06	FEB 28	56.21	27	55.71	MAY 14	56.44	JUL 16	56.53	SEP 17	57.10
DEC 26	56.80										

G MEASUREMENT BY ANOTHER AGENCY

404859073194002. Local number, S 75454.2
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park, 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 USGS personnel.
DATUM.--Land-surface datum is 230.7 ft National Geodetic Vertical Datum of 1929. 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, 72.92 ft NGVD, December 17, 1984; lowest measured, 63.34 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	69.26	JAN 23	71.22	MAR 1	71.70 G	MAY 2	71.96	JUN 12	72.03	AUG 14	71.94
NOV 22	70.04	FEB 21	71.50	26	71.97	22	72.18	JUL 13	71.78	SEP 14	72.17
DEC 19	70.89										

G MEASUREMENT BY ANOTHER AGENCY

404859073194003. Local number, S 75455.1
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park, 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 USGS personnel.
DATUM.--Land-surface datum is 230.2 ft National Geodetic Vertical Datum of 1929. 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, 73.33 ft NGVD, December 17, 1984; lowest measured, 63.86 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	69.48	JAN 23	71.53	MAR 1	72.03 G	MAY 2	72.33	JUN 12	72.46	AUG 14	72.41
NOV 22	70.22	FEB 21	71.84	26	72.35	22	72.58	JUL 13	72.22	SEP 14	72.63
DEC 19	71.11										

G MEASUREMENT BY ANOTHER AGENCY

404859073194004. Local number, S 75456.1
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park, 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 USGS personnel.
DATUM.--Land-surface datum is 230.5 ft National Geodetic Vertical Datum of 1929. 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, 78.27 ft NGVD, May 22, 1990; lowest measured, 71.50 ft NGVD, September 16, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	76.41	JAN 23	77.57	MAR 1	77.95 G	MAY 2	78.08	JUN 12	76.01	AUG 14	76.36
NOV 21	76.75	FEB 21	77.86	26	78.07	22	78.27	JUL 13	76.06	SEP 14	76.96
DEC 19	77.33										

G MEASUREMENT BY ANOTHER AGENCY

404530073181102. Local number, S 76016.2
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at Burt Lane, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 762 ft, screened 752 to 757 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. 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, 46.13 ft NGVD, March 9, 1990; lowest measured, 38.98 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	45.27	JAN 29	45.37	MAR 9	46.13 G	APR 19	45.62	JUN 13	45.67	AUG 14	44.23
NOV 27	45.50	FEB 28	45.78	27	45.07	MAY 14	45.71	JUL 16	45.08	SEP 17	45.14
DEC 26	45.49										

G MEASUREMENT BY ANOTHER AGENCY

404530073181103. Local number, S 76017.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at Burt Lane, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 503 ft, screened 495 to 500 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.2 ft National Geodetic Vertical Datum of 1929. 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, 46.14 ft NGVD, October 23, 1989; lowest measured, 39.22 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	46.14	JAN 29	46.08	MAR 9	45.90 G	APR 19	45.65	JUN 13	45.35	AUG 14	44.02
NOV 27	45.88	FEB 28	45.68	27	44.76	MAY 14	45.42	JUL 16	44.79	SEP 17	44.89
DEC 26	45.59										

G MEASUREMENT BY ANOTHER AGENCY

404530073181104. Local number, S 76018.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at Burt Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 70.0 ft National Geodetic Vertical Datum of 1929. 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, 45.91 ft NGVD, May 14, 1990; lowest measured, 38.46 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	45.06	DEC 26	45.05	FEB 28	45.34	APR 19	45.17	JUN 13	45.70	AUG 14	44.80
NOV 27	45.16	JAN 29	45.12	MAR 27	45.06	MAY 14	45.91	JUL 16	45.31	SEP 17	45.32

404530073181105. Local number, S 76019.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at Burt Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 70.0 ft National Geodetic Vertical Datum of 1929. 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, 55.87 ft NGVD, October 23, 1989; lowest measured, 50.44 ft NGVD, January 24, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	55.87	JAN 29	54.19	MAR 9	54.09 G	APR 19	54.28	JUN 13	54.82	AUG 14	54.47
NOV 27	55.03	FEB 28	54.10	27	53.72	MAY 14	54.38	JUL 16	54.56	SEP 17	55.11
DEC 26	54.29										

G MEASUREMENT BY ANOTHER AGENCY

405317072331902. Local number, S 77435.1
LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at Route 24, Rampasture. Owner: Suffolk County Department of Environmental Conservation.
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 USGS personnel.
DATUM.--Land-surface datum is 18.8 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 19, 1990; lowest measured, 6.77 ft NGVD, October 28, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.02	JAN 29	9.68	MAR 22	9.64 G	APR 19	10.04	JUN 14	9.85	AUG 21	9.46
NOV 27	9.99	FEB 28	9.80	27	9.58	MAY 14	9.82	JUL 16	9.49	SEP 17	9.15
DEC 26	9.72										

G MEASUREMENT BY ANOTHER AGENCY

405317072331903. Local number, S 77436.2
LOCATION.--Lat 40°53'17", long 72°33'19", Hydrologic Unit 02030202, at Route 24, 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 USGS personnel.
DATUM.--Land-surface datum is 18.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, August 23, 1989; lowest measured, 6.94 ft NGVD, September 22, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.88	JAN 29	9.61	MAR 22	9.62 G	APR 19	9.88	JUN 14	9.97	AUG 21	9.57
NOV 27	9.99	FEB 28	9.75	27	9.45	MAY 14	9.87	JUL 16	9.56	SEP 17	10.20
DEC 26	9.86										

G MEASUREMENT BY ANOTHER AGENCY

403935073235003. Local number, S 79407.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south of Kerrigan Road, 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 USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of removable extension, 10.39 ft above land-surface datum.
REMARKS.--Flowing well, measurements taken from top of removable calibrated extension. Well also sampled for water quality.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.62 ft NGVD, June 15, 1990; lowest measured, 14.07 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	17.40 G	APR 16	17.31	JUN 15	17.62	JUL 24	17.18	AUG 21	17.12	SEP 28	16.82
APR 11	17.48										

G MEASUREMENT BY ANOTHER AGENCY

403935073235004. Local number, S 79408.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south of Kerrigan Road, 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 chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.58 ft below land-surface datum.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.03 ft NGVD, December 12, 1985; lowest measured, 5.28 ft NGVD, July 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	6.59 G	APR 16	6.44	JUN 15	6.57	JUL 24	6.38	AUG 21	6.84	SEP 28	6.49

G MEASUREMENT BY ANOTHER AGENCY

405604073064302. Local number, S 81831.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at North Country Road and Ridgeway Avenue, East Setauket. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 470 ft, screened 462 to 467 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 94.0 ft National Geodetic Vertical Datum of 1929. 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, 22.50 ft NGVD, March 13, 1990; lowest measured, 18.77 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	21.83	JAN 23	22.18	MAR 13	22.50 G	MAY 2	22.08	JUN 12	22.43	AUG 13	22.06
NOV 21	22.22	FEB 21	22.36	28	22.35	22	22.41	JUL 13	22.16	SEP 14	22.31
DEC 19	22.10										

G MEASUREMENT BY ANOTHER AGENCY

405536072375301. Local number, S 82938.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island Park, Riverhead. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 1,022 ft, screened 1,010 to 1,022 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, April 27, 1990; lowest measured, 15.55 ft NGVD, October 23, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	17.92	JAN 23	18.01	MAR 1	17.66 G	APR 27	18.11	JUN 18	18.06	AUG 15	17.73
NOV 21	17.84	FEB 21	17.80	26	17.93	MAY 15	17.91	JUL 11	17.86	SEP 19	17.70
DEC 27	17.82										

G MEASUREMENT BY ANOTHER AGENCY

405536072375302. Local number, S 82939.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island Park, 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 USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, August 22, 1989; lowest measured, 2.61 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.93	JAN 23	3.54	MAR 1	3.35 G	APR 27	3.76	JUN 18	3.59	AUG 15	3.37
NOV 21	3.45	FEB 21	3.53	26	3.37	MAY 15	3.52	JUL 11	3.46	SEP 19	3.53

G MEASUREMENT BY ANOTHER AGENCY

405641072341602. Local number, S 83709.1
LOCATION.--Lat 40°56'41", long 72°34'16", Hydrologic Unit 02030202, at state boat ramp, Jamesport.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 161 ft, screened 153 to 158 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.02 ft NGVD, August 22, 1989; lowest measured, 1.55 ft NGVD, April 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.85	DEC 27	4.26	FEB 21	4.40	APR 27	4.80	JUN 18	4.65	AUG 15	4.34
NOV 21	4.47	JAN 23	4.73	MAR 26	4.45	MAY 15	4.62	JUL 11	4.57	SEP 19	4.57

405641072341604. Local number, S 83792.1
LOCATION.--Lat 40°56'41", long 72°34'16", Hydrologic Unit 02030202, at state boat ramp, Jamesport.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered steel observation well, diameter 2 in., depth 18 ft, screened 9 to 11 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.71 ft below land-surface datum.
PERIOD OF RECORD.--August 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft NGVD, July 21, 1989; lowest measured, 0.92 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.06	DEC 27	1.15	FEB 21	1.40	APR 27	1.88	JUN 18	1.58	AUG 15	1.52
NOV 21	1.29	JAN 23	1.78	MAR 26	1.39	MAY 15	1.54	JUL 11	1.74	SEP 19	1.99

404846072533204. Local number, S 84806.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, 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 chalked tape by USGS personnel.
DATUM.--Land-surface datum is 17.6 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 15, 1990; lowest measured, 21.74 ft NGVD, March 23, 1987, and September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	25.69 G	APR 16	25.66	JUN 15	25.81	JUL 24	25.52	AUG 21	25.28	SEP 28	25.02

G MEASUREMENT BY ANOTHER AGENCY

404846072533201. Local number, S 84807.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, 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 chalked tape by USGS personnel.
DATUM.--Land-surface datum is 17.7 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 15, 1990; lowest measured, 19.50 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	23.13 G	APR 16	23.24	JUN 15	23.45	JUL 24	23.15	AUG 21	23.08	SEP 28	21.67

G MEASUREMENT BY ANOTHER AGENCY

404846072533203. Local number, S 84808.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, Yaphank.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (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 USGS personnel.
DATUM.--Land-surface datum is 17.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.21 ft below land-surface datum.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.64 ft NGVD, June 15, 1990; lowest measured, 10.31 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	11.49 G	APR 16	11.61	JUN 15	11.64	AUG 2	11.30	SEP 7	11.37	SEP 28	11.29
29	11.39										

G MEASUREMENT BY ANOTHER AGENCY

404846072533202. Local number, S 85712.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at Southaven County Park, 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 USGS personnel.
DATUM.--Land-surface datum is 17.5 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 9, 1988; lowest measured, 10.17 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	11.35 G	APR 16	11.48	JUN 15	11.50	AUG 2	11.17	SEP 7	11.23	SEP 28	11.15
29	11.25										

G MEASUREMENT BY ANOTHER AGENCY

404433073244906. Local number, S 87041.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, northern most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 983 ft, screened 968 to 978 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. 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, 27.37 ft NGVD, May 14, 1990; lowest measured, 22.84 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.05	JAN 29	26.46	MAR 1	26.61 G	APR 19	26.89	JUN 13	27.25	AUG 16	26.46
NOV 27	25.76	FEB 28	26.64	27	26.76	MAY 14	27.37	JUL 16	26.83	SEP 17	26.64
DEC 26	26.37										

G MEASUREMENT BY ANOTHER AGENCY

405801072354404. Local number, S 91812.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at Manor Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.73 ft NGVD, May 15, 1990; lowest measured, 8.20 ft NGVD, October 3, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.58	DEC 27	10.56	MAR 26	10.43	MAY 15	11.73	JUL 11	10.25	SEP 19	9.62
NOV 21	10.84	FEB 21	10.50	APR 27	8.72	JUN 18	10.65	AUG 15	9.99		

405801072354405. Local number, S 91813.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at Manor Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.20 ft below land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.78 ft NGVD, November 21, 1989; lowest measured, 5.75 ft NGVD, November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.53	NOV 27	11.67	FEB 21	11.52	APR 27	10.68	JUN 18	11.69	AUG 15	10.90
NOV 21	11.78	JAN 23	11.64	MAR 26	11.41	MAY 15	11.76	JUL 11	11.36	SEP 19	10.52

410038072284202. Local number, S 91814.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at Manor Lane, 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 USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. 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 NGVD, June 18, 1990; lowest measured, 5.77 ft NGVD, October 31 and November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.54	DEC 27	11.75	FEB 21	11.53	APR 27	11.69	JUN 18	12.69	AUG 15	10.90
NOV 21	11.83	JAN 23	11.65	MAR 26	11.42	MAY 15	11.77	JUL 11	11.36	SEP 19	10.52

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
405231073323102	N 202. 1	211LLYD	04-27-90	420	104	6.2	12.5	0.7	4.9
404310073260102	N 1250. 2	112GLCLU	06-20-90	34	363	6.2	14.5	1.4	23
404619073270601	N 3355. 2	211LLYD	05-14-90	1093	38	6.0	14.5	4.6	1.5
403533073353203	N 6851. 1	211MGTY	04-26-90	559	80	5.8	16.5	7.4	5.4
405432073345001	N 7152. 1	211LLYD	01-04-90	370	64	6.0	13.0	--	3.1
404544073265502	N 7397. 2	112GLCLU	06-25-90	101	624	5.5	12.5	8.9	11

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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 TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
04-27-90	2.3	5.0	1.5	19	8.4	4.8	0.20	19	0.011	0.010	<0.100
06-20-90	4.1	29	3.6	52	28	44	0.30	8.2	0.018	0.010	3.90
05-14-90	0.84	2.9	0.50	10	1.1	3.8	<0.10	6.5	0.016	<0.010	<0.100
04-26-90	1.7	4.2	2.2	20	15	0.60	0.10	10	0.009	<0.010	<0.100
01-04-90	1.0	5.4	0.80	21	1.0	5.4	0.10	10	0.005	<0.010	0.100
06-25-90	12	85	2.7	7.5	1.1	190	0.20	6.9	0.073	0.010	--

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)
04-27-90	0.050	0.060	<0.20	<0.20	0.010	0.004	<0.010	19000	11000	370	0.03
06-20-90	1.50	1.50	1.6	1.7	0.020	0.004	<0.010	1800	1700	1700	0.08
05-14-90	0.030	0.020	<0.20	<0.20	<0.010	0.004	<0.010	3000	1400	60	0.01
04-26-90	0.010	0.020	<0.20	<0.20	0.020	0.003	<0.010	460	440	20	0.02
01-04-90	0.010	0.040	0.20	0.30	<0.010	<0.001	0.010	1700	15	20	0.02
06-25-90	0.060	0.040	0.70	0.50	<0.010	0.015	<0.010	1400	1100	180	0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1990 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
N 12	N 2920	N 5121	N 6644	N 7852	N 8956	N 10011
N 14	N 2923	N 5129	N 6651	N 7855	N 8957	N 10033
N 17	N 3443	N 5145	N 6657	N 7857	N 9054	N 10034
N 28	N 3456	N 5147	N 6744	N 7873	N 9068	N 10084
N 29	N 3457	N 5148	N 6745	N 7892	N 9076	N 10103
N 36	N 3465	N 5152	N 6817	N 7957	N 9151	N 10144
N 37	N 3474	N 5155	N 6866	N 8004	N 9173	N 10149
N 46	N 3475	N 5156	N 6867	N 8007	N 9180	N 10195
N 68	N 3486	N 5163	N 6893	N 8008	N 9210	N 10206
N 69	N 3523	N 5187	N 6915	N 8010	N 9211	N 10207
N 72	N 3540	N 5193	N 6916	N 8011	N 9212	N 10208
N 75	N 3561	N 5194	N 6945	N 8031	N 9261	N 10211
N 76	N 3603	N 5195	N 6953	N 8043	N 9262	N 10286
N 79	N 3604	N 5209	N 6956	N 8054	N 9308	N 10308
N 80	N 3605	N 5227	N 7000	N 8183	N 9334	N 10309
N 81	N 3618	N 5260	N 7058	N 8195	N 9338	N 10310
N 82	N 3668	N 5302	N 7076	N 8196	N 9358	N 10311
N 83	N 3687	N 5303	N 7104	N 8214	N 9446	N 10318
N 95	N 3704	N 5304	N 7117	N 8216	N 9452	N 10319
N 97	N 3720	N 5308	N 7126	N 8217	N 9463	N 10320
N 103	N 3732	N 5318	N 7157	N 8218	N 9468	N 10321
N 104	N 3733	N 5320	N 7216	N 8233	N 9470	N 10322
N 118	N 3745	N 5321	N 7280	N 8248	N 9472	N 10324
N 119	N 3876	N 5322	N 7298	N 8249	N 9473	N 10325
N 133	N 3878	N 5457	N 7353	N 8250	N 9488	N 10326
N 134	N 3934	N 5528	N 7377	N 8251	N 9514	N 10327
N 152	N 3935	N 5535	N 7407	N 8264	N 9520	N 10329
N 198	N 3937	N 5589	N 7414	N 8279	N 9521	N 10401
N 199	N 3953	N 5596	N 7421	N 8313	N 9591	N 10408
N 570	N 4043	N 5603	N 7438	N 8321	N 9613	N 10451
N 585	N 4063	N 5653	N 7445	N 8339	N 9658	N 10459
N 590	N 4077	N 5654	N 7446	N 8342	N 9768	N 10460
N 687	N 4082	N 5655	N 7482	N 8354	N 9792	N 10462
N 693	N 4096	N 5656	N 7512	N 8355	N 9809	N 10463
N 700	N 4097	N 5672	N 7513	N 8413	N 9846	N 10464
N 735	N 4118	N 5695	N 7515	N 8414	N 9893	N 10465
N 736	N 4132	N 5696	N 7516	N 8420	N 9894	N 10466
N 1197	N 4146	N 5703	N 7521	N 8426	N 9895	N 10467
N 1328	N 4206	N 5708	N 7522	N 8457	N 9896	N 10468
N 1346	N 4245	N 5762	N 7523	N 8474	N 9899	N 10469
N 1601	N 4265	N 5767	N 7526	N 8475	N 9900	N 10471
N 1602	N 4298	N 5792	N 7548	N 8480	N 9901	N 10472
N 1603	N 4327	N 5852	N 7549	N 8497	N 9902	N 10473
N 1618	N 4329	N 5876	N 7551	N 8522	N 9903	N 10474
N 1651	N 4388	N 5884	N 7552	N 8525	N 9904	N 10475
N 1667	N 4389	N 5947	N 7561	N 8526	N 9905	N 10476
N 1697	N 4390	N 5994	N 7562	N 8534	N 9917	N 10477
N 1716	N 4393	N 6042	N 7593	N 8557	N 9918	N 10478
N 1802	N 4400	N 6076	N 7620	N 8558	N 9919	N 10479
N 1870	N 4405	N 6077	N 7649	N 8576	N 9921	N 10480
N 1937	N 4411	N 6078	N 7650	N 8595	N 9922	N 10485
N 1958	N 4425	N 6087	N 7651	N 8603	N 9924	N 10486
N 2028	N 4447	N 6092	N 7664	N 8657	N 9925	N 10487
N 2030	N 4448	N 6093	N 7665	N 8658	N 9941	N 10555
N 2052	N 4450	N 6146	N 7720	N 8664	N 9951	N 10557
N 2214	N 4451	N 6148	N 7744	N 8665	N 9952	N 10588
N 2239	N 4512	N 6149	N 7747	N 8713	N 9953	N 10589
N 2400	N 4602	N 6150	N 7772	N 8761	N 9960	N 10598
N 2413	N 4623	N 6190	N 7773	N 8767	N 9961	N 10603
N 2414	N 4756	N 6192	N 7776	N 8768	N 9962	N 10612
N 2578	N 4757	N 6315	N 7781	N 8776	N 9963	N 10662
N 2597	N 4758	N 6442	N 7785	N 8778	N 9964	N 10815
N 2602	N 4759	N 6443	N 7796	N 8779	N 9966	N 10822
N 2613	N 4860	N 6450	N 7797	N 8818	N 9968	N 10863
N 2747	N 5007	N 6580	N 7831	N 8830	N 9980	N 10889
N 2748	N 5099	N 6610	N 7834	N 8941	N 9984	N 11107

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1990 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
N 1102	N 1280	N 7235	N 8944	N 9472	N 9914	N 10008
N 1106	N 1281	N 7397	N 8958	N 9473	N 9917	N 10009
N 1110	N 1422	N 7478	N 8964	N 9474	N 9918	N 10010
N 1114	N 1429	N 8203	N 8970	N 9475	N 9919	N 10011
N 1115	N 1432	N 8204	N 8984	N 9476	N 9920	N 10035
N 1116	N 1436	N 8269	N 9054	N 9477	N 9922	N 10084
N 1118	N 1437	N 8374	N 9057	N 9478	N 9923	N 10085
N 1129	N 1438	N 8412	N 9077	N 9607	N 9924	N 10094
N 1130	N 1442	N 8430	N 9078	N 9608	N 9925	N 10192
N 1132	N 1446	N 8550	N 9079	N 9609	N 9926	N 10199
N 1133	N 1449	N 8598	N 9087	N 9646	N 9927	N 10200
N 1134	N 1459	N 8599	N 9088	N 9647	N 9928	N 10245
N 1137	N 1475	N 8631	N 9098	N 9648	N 9929	N 10246
N 1139	N 1625	N 8633	N 9099	N 9649	N 9930	N 10252
N 1147	N 1685	N 8634	N 9100	N 9650	N 9931	N 10290
N 1148	N 2635	N 8636	N 9115	N 9651	N 9934	N 10291
N 1152	N 2790	N 8644	N 9116	N 9652	N 9935	N 10292
N 1160	N 3707	N 8645	N 9117	N 9653	N 9938	N 10425
N 1168	N 3708	N 8647	N 9118	N 9654	N 9939	N 10604
N 1169	N 3710	N 8648	N 9127	N 9655	N 9940	N 10606
N 1176	N 3711	N 8651	N 9152	N 9656	N 9941	N 10607
N 1183	N 3862	N 8653	N 9154	N 9657	N 9942	N 10608
N 1184	N 3864	N 8669	N 9168	N 9658	N 9943	N 10609
N 1185	N 3865	N 8715	N 9189	N 9659	N 9944	N 10620
N 1189	N 3866	N 8718	N 9190	N 9660	N 9945	N 10730
N 1190	N 3867	N 8752	N 9191	N 9661	N 9946	N 10731
N 1194	N 3932	N 8831	N 9208	N 9662	N 9947	N 10732
N 1195	N 4026	N 8838	N 9309	N 9663	N 9948	N 10733
N 1197	N 4062	N 8847	N 9313	N 9664	N 9949	N 10882
N 1201	N 4213	N 8848	N 9314	N 9665	N 9979	N 10978
N 1204	N 5227	N 8857	N 9316	N 9666	N 9980	N 10980
N 1205	N 5250	N 8863	N 9317	N 9667	N 9981	N 10981
N 1223	N 6367	N 8873	N 9332	N 9668	N 9982	N 10982
N 1225	N 6701	N 8875	N 9333	N 9669	N 9983	N 11165
N 1227	N 6702	N 8876	N 9354	N 9670	N 9984	N 11166
N 1231	N 6703	N 8877	N 9355	N 9711	N 9999	N 11167
N 1236	N 6704	N 8879	N 9356	N 9712	N 10000	N 11168
N 1243	N 6706	N 8888	N 9357	N 9776	N 10001	N 11169
N 1246	N 6707	N 8891	N 9358	N 9803	N 10002	N 11170
N 1250	N 6849	N 8933	N 9359	N 9804	N 10003	N 11304
N 1252	N 6850	N 8938	N 9468	N 9805	N 10004	N 11310
N 1253	N 6851	N 8939	N 9469	N 9820	N 10005	N 11324
N 1263	N 6853	N 8940	N 9470	N 9840	N 10006	N 11457
N 1278	N 7161	N 8943	N 9471	N 9899	N 10007	N 11458
N 1279	N 7207					

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SUFFOLK COUNTY

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET) (72008)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
405240072491402	S 47226. 1	112GLCLU	02-06-90	30	64	5.9	11.0	4.1	3.7
405240072491401	S 47227. 1	112GLCLU	02-06-90	100	98	6.8	10.5	1.8	12
405412072441401	S 47753. 1	112GLCLU	05-31-90	102	64	6.1	12.0	9.4	3.4
405412072441402	S 47754. 1	112GLCLU	05-31-90	41	38	5.3	12.5	8.8	1.0
405121072490601	S 48946. 1	112GLCLU	02-22-90	45	203	5.7	14.0	4.5	14
405512072395201	S 51573. 1	112GLCLU	04-24-90	90	125	7.6	15.0	0.9	17
405349072494101	S 51592. 1	112GLCLU	02-22-90	42	115	5.4	13.0	8.3	2.1
404357072515701	S 52162. 1	211LLYD	06-12-90	1695	112	7.0	16.0	1.7	0.12
404357072515702	S 52163. 1	211MGTY	06-12-90	1305	127	7.0	18.0	2.1	0.24
404357072515703	S 52164. 1	211MGTY	06-12-90	735	84	6.7	16.0	4.2	0.38
403935073235001	S 66136. 1	211MGTY	12-06-89	144	33	5.3	13.0	--	0.94
405002073043501	S 66509. 1	112GLCLU	06-25-90	117	180	5.5	12.0	9.6	11
405508073054201	S 66513. 1	112GLCLU	06-26-90	123	258	5.8	12.5	10.2	14
403935073235002	S 67537. 1	112GLCLU	12-06-89	61	138	7.5	13.0	--	23
404433073244903	S 74586. 1	211MGTY	03-13-90	441	29	4.9	13.0	2.6	0.99
404433073244904	S 74587. 1	211MGTY	03-13-90	196	202	5.3	14.5	3.0	18
404433073244905	S 75033. 1	112GLCLU	03-13-90	62	187	5.1	16.0	3.4	15
404433073244902	S 75034. 2	211MGTY	03-13-90	698	24	5.2	14.0	5.1	0.40
403935073235004	S 79408. 1	211MGTY	12-06-89	680	33	5.4	13.0	--	0.59
404433073244906	S 87041. 1	211LLYD	03-13-90	983	40	5.4	14.5	3.2	0.30
405405072442702	S 89535. 1	211MGTY	05-31-90	523	112	7.4	10.5	2.0	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SUFFOLK COUNTY--Continued

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

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	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 TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
02-06-90	0.65	4.2	0.40	13	4.0	4.6	<0.10	11	0.003	<0.010	<0.100
02-06-90	2.3	4.2	0.30	39	4.0	4.4	0.10	14	0.005	<0.010	<0.100
05-31-90	1.4	5.4	0.60	10	8.1	7.4	<0.10	10	0.002	<0.010	<0.100
05-31-90	0.69	3.0	0.30	2.0	8.1	3.4	<0.10	5.4	0.002	<0.010	<0.100
02-22-90	4.1	13	4.7	12	27	27	0.10	8.1	0.010	<0.010	2.70
04-24-90	2.2	5.7	0.70	57	<1.0	5.5	<0.10	44	0.006	<0.010	<0.100
02-22-90	0.83	19	0.50	5.0	10	27	0.10	6.1	0.012	<0.010	0.100
06-12-90	0.06	20	2.2	27	3.6	13	0.10	9.6	0.013	<0.010	<0.100
06-12-90	0.37	24	4.2	43	8.7	7.9	0.20	9.2	0.005	<0.010	<0.100
06-12-90	0.82	11	4.2	23	6.5	5.5	0.20	8.9	0.004	<0.010	<0.100
12-06-89	1.1	2.6	0.40	5.0	3.0	3.5	<0.10	8.5	0.008	<0.010	<0.100
06-25-90	5.6	12	1.8	15	15	19	<0.10	14	0.003	<0.010	6.90
06-26-90	6.8	23	1.3	18	24	29	0.30	16	0.003	<0.010	8.70
12-06-89	1.5	3.2	0.40	61	4.0	3.6	<0.10	9.2	--	<0.010	<0.100
03-13-90	0.29	2.8	0.50	3.0	1.7	3.7	<0.10	6.6	0.012	0.020	0.300
03-13-90	6.7	9.0	1.8	10	41	16	<0.10	12	0.012	<0.010	4.40
03-13-90	2.7	14	3.0	12	26	24	<0.10	7.3	0.015	0.070	3.30
03-13-90	0.21	2.5	0.40	3.0	1.4	4.1	0.20	6.5	0.019	<0.010	<0.100
12-06-89	0.51	2.8	0.40	6.0	4.0	3.6	<0.10	7.3	0.009	<0.010	<0.100
03-13-90	0.17	3.6	0.40	6.0	4.2	3.5	0.30	8.0	0.016	<0.010	<0.100
05-31-90	2.1	4.9	0.60	38	5.8	6.5	<0.10	14	0.013	<0.010	<0.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SUFFOLK COUNTY--Continued

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

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	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)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)
02-06-90	0.240	0.250	0.30	0.50	0.110	0.086	<0.010	5800	5500	130	0.02
02-06-90	0.140	0.140	<0.20	<0.20	0.200	0.240	0.210	950	840	300	0.04
05-31-90	<0.010	0.020	<0.20	0.30	<0.010	0.009	0.010	460	53	40	0.01
05-31-90	<0.010	0.020	<0.20	0.30	<0.010	0.001	<0.010	380	120	80	<0.01
02-22-90	0.160	0.150	0.40	0.30	0.090	0.006	0.020	2700	2600	230	0.05
04-24-90	0.350	0.350	0.40	0.50	0.100	0.107	0.130	300	83	50	0.02
02-22-90	<0.010	<0.010	<0.20	<0.20	<0.010	0.001	<0.010	520	140	50	0.06
06-12-90	0.050	0.050	<0.20	<0.20	0.020	0.020	<0.010	4600	4600	40	0.01
06-12-90	0.080	0.090	0.40	0.30	0.060	0.022	0.040	900	890	20	0.01
06-12-90	0.070	0.070	0.20	<0.20	0.010	0.002	<0.010	2400	2500	30	<0.01
12-06-89	<0.010	0.010	0.20	<0.20	0.010	0.007	<0.010	510	490	20	<0.01
06-25-90	0.010	0.050	0.30	0.60	<0.010	0.003	<0.010	10	11	<10	0.06
06-26-90	0.010	<0.010	0.20	0.50	0.010	0.008	0.010	40	<3	<10	0.09
12-06-89	<0.010	0.010	0.20	<0.20	0.030	0.032	<0.010	200	55	300	<0.01
03-13-90	<0.010	0.030	<0.20	0.40	<0.010	0.002	<0.010	60	7	<10	0.02
03-13-90	0.010	0.010	<0.20	0.20	0.010	0.001	<0.010	20	4	<10	0.06
03-13-90	<0.010	0.040	<0.20	--	<0.010	0.001	<0.010	<10	19	40	0.09
03-13-90	<0.010	<0.010	0.50	0.30	<0.010	0.001	<0.010	2900	1000	30	<0.01
12-06-89	<0.010	0.020	<0.20	<0.20	<0.010	<0.001	<0.010	210	230	<10	0.01
03-13-90	<0.010	0.010	<0.20	<0.20	<0.010	0.004	<0.010	160	230	20	0.01
05-31-90	0.020	0.040	<0.20	<0.20	0.100	0.103	0.080	420	410	80	0.01

Hydrogeologic unit (aquifer):
- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112GRDR - Gardiners Clay, Pleistocene age.
- 112JMCO - Jameco Gravel, Pleistocene age.
- 112PGFG - Port Washington confining unit, Pleistocene age.
- 112PGQF - Port Washington aquifer, Pleistocene age.
- 211LLYD - Lloyd aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.
- 211RCNF - Raritan confining unit, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1990 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
S 871	S 20635	S 29411	S 36791	S 45610	S 53747	S 66657
S 872	S 20688	S 29491	S 36869	S 45839	S 53850	S 66733
S 1331	S 20689	S 29492	S 36976	S 45840	S 53851	S 66758
S 1340	S 20839	S 29732	S 37140	S 46235	S 54162	S 66825
S 1341	S 20955	S 30088	S 37141	S 46400	S 54305	S 66881
S 2415	S 21121	S 30117	S 37174	S 46712	S 54308	S 67074
S 3615	S 21244	S 30118	S 37301	S 46713	S 54473	S 67197
S 3813	S 21247	S 30207	S 37351	S 46830	S 54588	S 67656
S 3815	S 21366	S 30208	S 37494	S 46928	S 54730	S 67819
S 4372	S 21375	S 30227	S 37681	S 47024	S 54957	S 67925
S 5565	S 21487	S 30228	S 37847	S 47035	S 55463	S 68230
S 6513	S 21632	S 30234	S 37861	S 47219	S 55502	S 68552
S 7570	S 21945	S 30506	S 37963	S 47310	S 55733	S 68666
S 8439	S 22351	S 30762	S 38192	S 47435	S 55734	S 68690
S 9893	S 22362	S 31037	S 38194	S 47436	S 56038	S 68880
S 11105	S 22389	S 31038	S 38320	S 47437	S 56039	S 69024
S 12130	S 22471	S 31039	S 38321	S 47438	S 56133	S 69364
S 14326	S 22548	S 31104	S 38491	S 47453	S 56674	S 69511
S 14710	S 22640	S 31624	S 38701	S 47673	S 57008	S 70008
S 14792	S 22711	S 31653	S 38784	S 47886	S 57354	S 70155
S 14828	S 23046	S 31913	S 38785	S 47887	S 57357	S 70459
S 14921	S 23183	S 32180	S 38916	S 48014	S 57871	S 70488
S 15500	S 23184	S 32287	S 38917	S 48193	S 57979	S 70767
S 15501	S 23185	S 32325	S 39024	S 48719	S 57980	S 71038
S 15514	S 23186	S 32326	S 39347	S 49018	S 58708	S 71083
S 15746	S 23255	S 32359	S 39536	S 49422	S 58761	S 71533
S 15776	S 23371	S 32501	S 40161	S 49606	S 59347	S 71785
S 15923	S 23440	S 32551	S 40330	S 50546	S 59744	S 71881
S 16129	S 23445	S 32552	S 40331	S 50630	S 60127	S 71882
S 16256	S 23524	S 33005	S 40497	S 51214	S 60486	S 71892
S 16309	S 23631	S 33006	S 40498	S 51266	S 60812	S 72245
S 16892	S 23715	S 33308	S 40709	S 51274	S 61910	S 72271
S 16893	S 23827	S 33500	S 40710	S 51275	S 61937	S 72300
S 17037	S 23828	S 33820	S 40711	S 51298	S 62022	S 72326
S 17474	S 23832	S 33826	S 40837	S 51457	S 62240	S 72917
S 17689	S 23848	S 33970	S 40838	S 51519	S 62855	S 73144
S 17835	S 24047	S 34007	S 40980	S 51609	S 63205	S 73332
S 18003	S 24323	S 34030	S 42226	S 51673	S 63258	S 73492
S 18261	S 24545	S 34031	S 42227	S 51953	S 63618	S 73847
S 18729	S 24663	S 34300	S 42270	S 52126	S 63966	S 74505
S 18762	S 25617	S 34301	S 42473	S 52451	S 64023	S 74573
S 19048	S 25674	S 34460	S 42499	S 52490	S 64062	S 74865
S 19198	S 25776	S 34522	S 42504	S 52943	S 64609	S 77010
S 19399	S 26535	S 34595	S 42505	S 52944	S 64716	S 78310
S 19408	S 27070	S 35033	S 42760	S 52945	S 64847	S 79293
S 19465	S 27192	S 35446	S 42761	S 53074	S 65505	S 81473
S 19565	S 27259	S 35494	S 42762	S 53291	S 65766	S 82422
S 20057	S 27533	S 35939	S 42827	S 53360	S 65905	S 83096
S 20300	S 27784	S 36166	S 43001	S 53361	S 66183	S 83707
S 20369	S 28408	S 36459	S 43117	S 53497	S 66184	S 84848
S 20460	S 28503	S 36460	S 43641	S 53498	S 66366	S 88463
S 20479	S 28767	S 36711	S 44468	S 53522	S 66429	S 90674
S 20530	S 28819	S 36714	S 44640	S 53593	S 66496	S 94286
S 20566	S 28928	S 36748	S 44774			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1990 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
S 13204	S 45719	S 47749	S 48521	S 51575	S 53337	S 78232
S 13924	S 45720	S 47750	S 48522	S 51576	S 53338	S 85428
S 15120	S 45721	S 47751	S 48577	S 51577	S 53339	S 85598
S 16118	S 45722	S 47752	S 48578	S 51578	S 57371	S 85599
S 16783	S 46281	S 47753	S 48579	S 51579	S 58921	S 88370
S 17174	S 46284	S 47754	S 48580	S 51580	S 58922	S 89534
S 22660	S 46286	S 47755	S 48581	S 51581	S 58924	S 89535
S 43808	S 46287	S 47756	S 48582	S 51582	S 58925	S 89536
S 43809	S 46502	S 47757	S 48583	S 51583	S 58957	S 90279
S 43810	S 46518	S 47758	S 48584	S 51586	S 58960	S 90280
S 43811	S 46962	S 47945	S 48651	S 51587	S 60123	S 95419
S 43812	S 46963	S 47973	S 48759	S 51588	S 60124	S 95420
S 43813	S 46964	S 47974	S 48946	S 51589	S 63831	S 95421
S 43815	S 46965	S 47975	S 48957	S 51591	S 64477	S 95422
S 43816	S 46966	S 47976	S 48958	S 51592	S 65240	S 95425
S 43818	S 47220	S 47977	S 49898	S 52050	S 66506	S 05426
S 43819	S 47223	S 48422	S 51169	S 52084	S 66508	S 95427
S 43820	S 47224	S 48425	S 51170	S 52383	S 66509	S 95429
S 43821	S 47225	S 48426	S 51171	S 52449	S 66511	S 95430
S 43822	S 47226	S 48427	S 51172	S 52645	S 66512	S 95431
S 44818	S 47227	S 48428	S 51174	S 52686	S 66513	S 95432
S 44914	S 47228	S 48429	S 51175	S 53057	S 70257	S 95435
S 45053	S 47229	S 48430	S 51176	S 53196	S 70259	S 95437
S 45207	S 47231	S 48432	S 51177	S 53323	S 70260	S 95439
S 45208	S 47232	S 48433	S 51179	S 53325	S 70262	S 95440
S 45210	S 47234	S 48434	S 51180	S 52326	S 75435	S 95441
S 45212	S 47235	S 48435	S 51182	S 53327	S 75438	S 95442
S 45402	S 47236	S 48437	S 51184	S 53328	S 75439	S 95443
S 45446	S 47550	S 48438	S 51185	S 53329	S 75454	S 95444
S 45447	S 47675	S 48439	S 51186	S 53330	S 75455	S 95445
S 45594	S 47698	S 48440	S 51566	S 53331	S 75456	S 95446
S 45636	S 47718	S 48517	S 51567	S 53332	S 76673	S 95448
S 45637	S 47743	S 48518	S 51568	S 53333	S 76674	S 95450
S 45717	S 47747	S 48519	S 51571	S 53335	S 76675	S 95727
S 45718	S 47748	S 48520	S 51573	S 53336	S 76708	S 95728

LONG ISLAND

AT OLD FIELD, NY

LOCATION.--Lat 40°57'39", long 73°08'22", Suffolk County, at Marine Science Research Center, State University of New York at Stony Brook, on roof of Flax Pond Marine Laboratory, Shore Drive, Village of Old Field.

PERIOD OF RECORD.--Precipitation events March 1989 to current year.

INSTRUMENTATION.--The wetfall and dustfall sample collector is an N-Con Atmospheric Deposition Sampler* wet/dry precipitation collector. An automatic sensor detects occurrences of precipitation, activating a motor which removes a cover from the wetfall collection vessel and covers the dustfall collection vessel. When precipitation ceases, the cycle is reversed. The sampling vessels are polyethylene and have a collection diameter of 12 in. and a capacity of 3.5 gals. The opening of the collecter is approximately 15 ft above land surface.

REMARKS.--Inches of precipitation was measured by the National Weather Service station at Setauket (Strong) for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEARS MARCH 1989 TO SEPTEMBER 1990

FIELD MEASUREMENTS OF STORM EVENT WETFALL

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	SPECIFIC CONDUCTANCE (US/CM)	pH (STANDARD UNITS)
89/03/30--89/03/31	1.59	28	4.37
89/04/03--89/04/06	0.78	28	4.37
89/04/07--89/04/08	1.02	64	4.08
89/04/15--89/04/16	1.16	24	4.52
89/05/05--89/05/06	0.68	36	4.26
89/05/10--89/05/12	1.93	66	4.05
89/05/16	2.52	24	4.41
89/05/24	1.07	35	4.24
89/07/05--89/07/06	2.12	6	5.96
89/07/10	0.10	93	3.80
89/07/14--89/07/17	1.37	14	4.76
89/08/11--89/08/13	3.61	14	5.14
89/09/18--89/09/21	0.83	31	4.52
89/10/02	1.20	33	5.50
89/10/19--89/10/20	4.03	32	4.93
89/11/02--89/11/03	0.73	20	4.54
89/11/08--89/11/09	0.85	65	3.88
89/12/29--90/01/01	0.87	89	3.91
90/01/08--90/01/09	0.83	47	4.01
90/01/19--90/01/22	0.99	45	4.12
90/01/25--90/01-26	1.26	22	4.51
90/01/30	1.87	19	4.71
90/03/06	0.40	59	4.13
90/03/16--90/03/18	0.60	21	4.74
90/04/03--90/04/04	1.40	36	4.46
90/04/14--90/04/15	1.44	31	4.29
90/04/30	0.58	119	3.70
90/05/05--90/05/06	1.05	45	4.17
90/05/10--90/05/14	1.63	30	4.65
90/05/16--90/05/18	2.14	41	4.13
90/06/30--90/07/01	0.80	61	3.97
90/07/12--90/07/13	0.57	57	4.03
90/07/24--90/07/25	0.85	48	4.07
90/08/06--90/08/08	1.25	62	3.94
90/08/10--90/08/13	1.07	22	4.39
90/08/19	0.16	144	3.57
90/08/24--90/08/26	2.96	17	4.67
90/09/14--90/09/17**	1.04	99	5.59
90/09/22	0.50	38	4.22

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

** NOTE-- Sample contaminated with bird droppings.

CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT OLD FIELD, NY -- Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

STORM EVENT WETFALL

DATE	TOTAL PRECIP-ITATION FOR DEFINED PERIOD (IN) (00193)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR 03-06	0.78	28	4.4	0.21	0.07	0.44	0.07	2.3
APR 15-16	1.16	24	4.5	0.15	0.09	0.66	0.05	2.4
JUL 05-06	2.12	6	5.9	0.13	0.08	0.33	0.15	0.35
JUL 14-17	1.37	14	4.8	0.09	0.09	0.77	0.11	0.95
AUG 11-13	3.61	14	5.1	0.17	0.15	1.5	0.17	0.95
SEP 18-21	0.83	31	4.5	0.33	0.29	1.9	0.50	3.4

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
APR 03-06	0.78	0.03	<0.010	0.350	0.156	<0.010
APR 15-16	1.1	0.01	<0.010	0.190	0.114	<0.010
JUL 05-06	0.45	<0.01	<0.010	0.050	0.044	<0.010
JUL 14-17	1.4	0.02	<0.010	0.090	0.026	<0.010
AUG 11-13	2.4	<0.01	<0.010	0.090	0.108	<0.010
SEP 20...	2.9	0.02	<0.010	0.340	0.057	0.060

NOTE-- DATA NOT PREVIOUSLY PUBLISHED.

CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT OLD FIELD, NY -- Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

STORM EVENT WETFALL

DATE	TOTAL PRECIP-ITATION FOR DEFINED PERIOD (IN) (00193)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 19-20	4.03	32	4.9	0.63	0.42	3.0	0.81	2.7	4.7
DEC 29 1989-JAN 01 1990	0.87	89	3.9	1.0	0.67	4.5	0.24	5.5	4.9
JAN 25-30	3.13	20	4.6	0.13	0.12	0.93	0.05	1.4	1.5
APR 03-04	1.40	36	4.5	0.32	0.22	1.4	0.12	3.0	2.8
MAY 10-14	1.63	30	4.6	0.37	0.24	1.5	0.17	2.0	2.6
MAY 16-18	2.14	41	4.1	0.21	0.05	0.27	0.06	2.8	0.44
JUL 12-13	0.57	57	4.0	0.20	0.19	1.6	0.12	4.3	2.8
AUG 06-08	1.25	62	3.9	0.33	0.16	0.94	0.15	5.6	1.4

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 19-20	0.04	0.020	0.220	0.085	--	0.010	--	--
DEC 29 1989-JAN 01 1990	0.07	<0.010	<0.010	0.600	2.5	<0.010	--	--
JAN 25-30	<0.01	0.050	0.160	0.054	0.20	<0.010	--	--
APR 03-04	0.02	<0.010	0.340	0.114	0.30	<0.010	--	--
MAY 10-14	0.02	<0.010	0.250	0.089	0.30	<0.010	--	--
MAY 16-18	0.03	<0.010	0.560	0.269	0.70	<0.010	--	--
JUL 12-13	0.03	<0.010	0.560	0.244	1.0	<0.010	30	<1.0
AUG 06-08	0.05	<0.010	0.870	0.301	1.1	<0.010	--	--

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 19-20	--	--	--	--	--	--	--	--	2.1
DEC 29 1989-JAN 01 1990	--	--	--	--	--	--	--	--	4.4
JAN 25-30	--	--	--	--	--	--	--	--	0.7
APR 03-04	--	--	--	--	--	--	--	--	0.6
MAY 10-14	--	--	--	--	--	--	--	--	1.9
MAY 16-18	--	--	--	--	--	--	--	--	1.9
JUL 12-13	<1	2	14	1	3	<1	1	20	0.8
AUG 06-08	--	--	--	--	--	--	--	--	1.8

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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