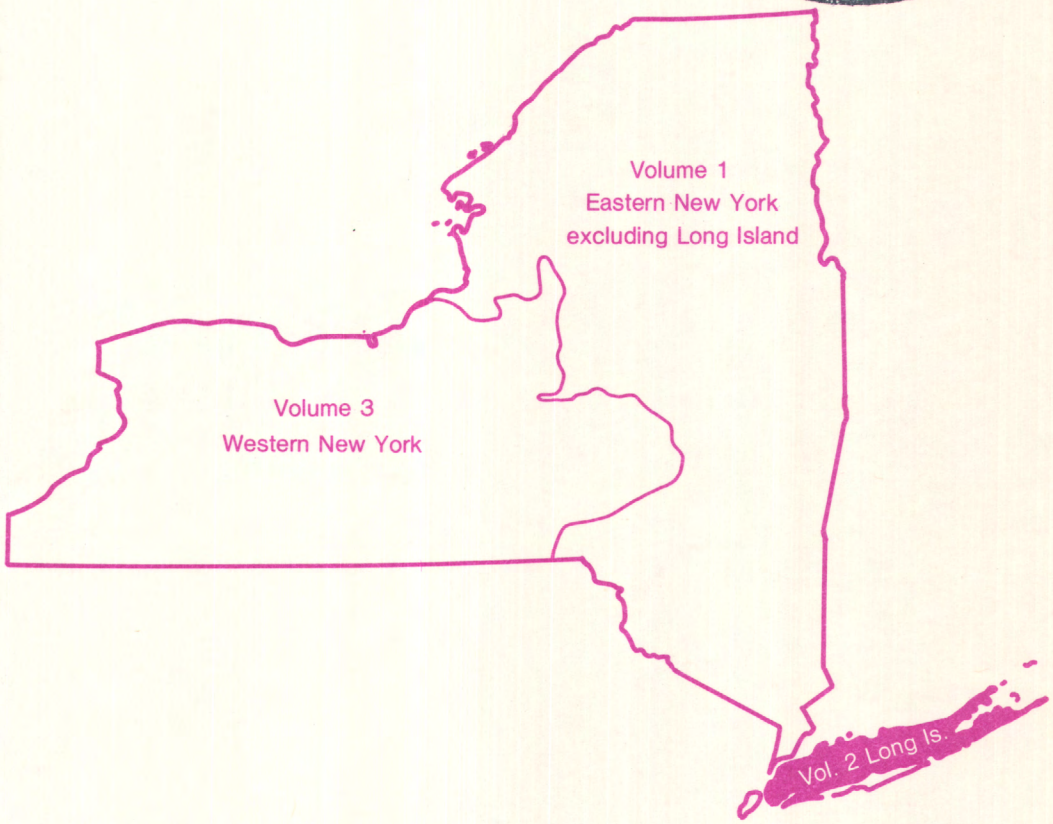
Water Resources Data New York Water Year 1989

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-89-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1989

1988

OCTOBER

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Water Resources Data New York Water Year 1989

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-89-2
Prepared in cooperation with the State of New York
and with other agencies

DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

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District Chief, Water Resources Division
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Syosset, New York 11791

1990

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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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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Water resources data for the 1989 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 17 gaging stations, and 7 wells; and water levels at 225 observation wells. Also included are data for 74 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.

17. Document Analysis a. Descriptors
*New York, *Hydrologic data, *Groundwater, *Surface waters, *Water quality, Gaging stations, Streamflow, Flow rates, Lakes, Reservoirs, Chemical analysis, Sediments, Water temperature, Water analysis, Water levels, Water wells, Data collections, Sites.

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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, 1989
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1989 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 17 gaging stations and 7 wells; and water levels at 225 observation wells. Also included are data for 74 low-flow partial-record stations. Locations of these sites are shown on pages 25-33. 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-89-2". 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.
County of Suffolk, Water Authority, Leon Campo, 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 below average at the beginning of the water year and increased gradually through the fall and winter. Significantly above-average precipitation in May and June resulted in above-average streamflow and ground-water levels that continued into September (figs. 2 through 5).

Maximum discharges during the 1989 water year occurred mainly from May through August. Heavy precipitation on May 16-17 caused Sampawams Creek to reach a new maximum discharge, and an intense localized storm on August 11 caused a new maximum discharge at Carmans River. Generally, streamflow on Long Island exceeded that of the previous water year and was average or slightly greater than average for the year. Maximum monthly mean discharges at most stations occurred in May or June; minimum monthly mean discharges occurred mostly in October.

Water levels in wells screened in the upper glacial aquifer were at or near record low levels in many areas at the beginning of the water year. Levels began a slow increase during January that continued until the end of March. Precipitation from April through July was considerably above normal and produced a sharp rise in water levels that continued until the end of the water year. Water levels were considerably above average in many areas. Record low levels were measured during the beginning of the water year in parts of northern Kings County, in east-central Nassau County, in western Suffolk County, and in widely scattered areas throughout central and eastern Suffolk County. Record high water levels were measured near the end of the water year in parts of western Kings County, in southern and western Nassau County, and in scattered areas throughout Suffolk County. Record high water levels also were measured in most of southern and central Queens County during this period, probably as a result of an overall decrease in pumpage by a principal water-supply company. Water levels in most wells screened in the Lloyd and Magothy aquifers began the water year at or near record low levels and ended the water year well above average, with some record high levels scattered across the island, occurring near the end of the water year.

Water-quality data for the two national stream-quality accounting network stations and six Nassau County streams were generally within historic extremes for each station's period of record. Water-quality data collected by Suffolk County Department of Health Services are also included in this report. The data for these 10 sites were likewise generally within historical extremes for each station's period of record.

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 1989 water year that began October 1, 1988, and ended September 30, 1989. 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.

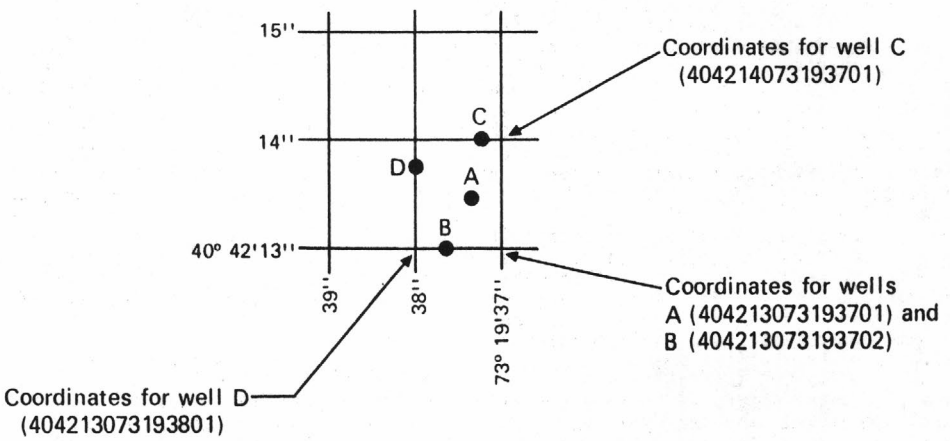

Figure 1. System for numbering wells (latitude and longitude).

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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, 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.

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

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

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

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

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

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

3-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.

3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

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3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

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PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

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

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

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

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

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

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4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

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5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.

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

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

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

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

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

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

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

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

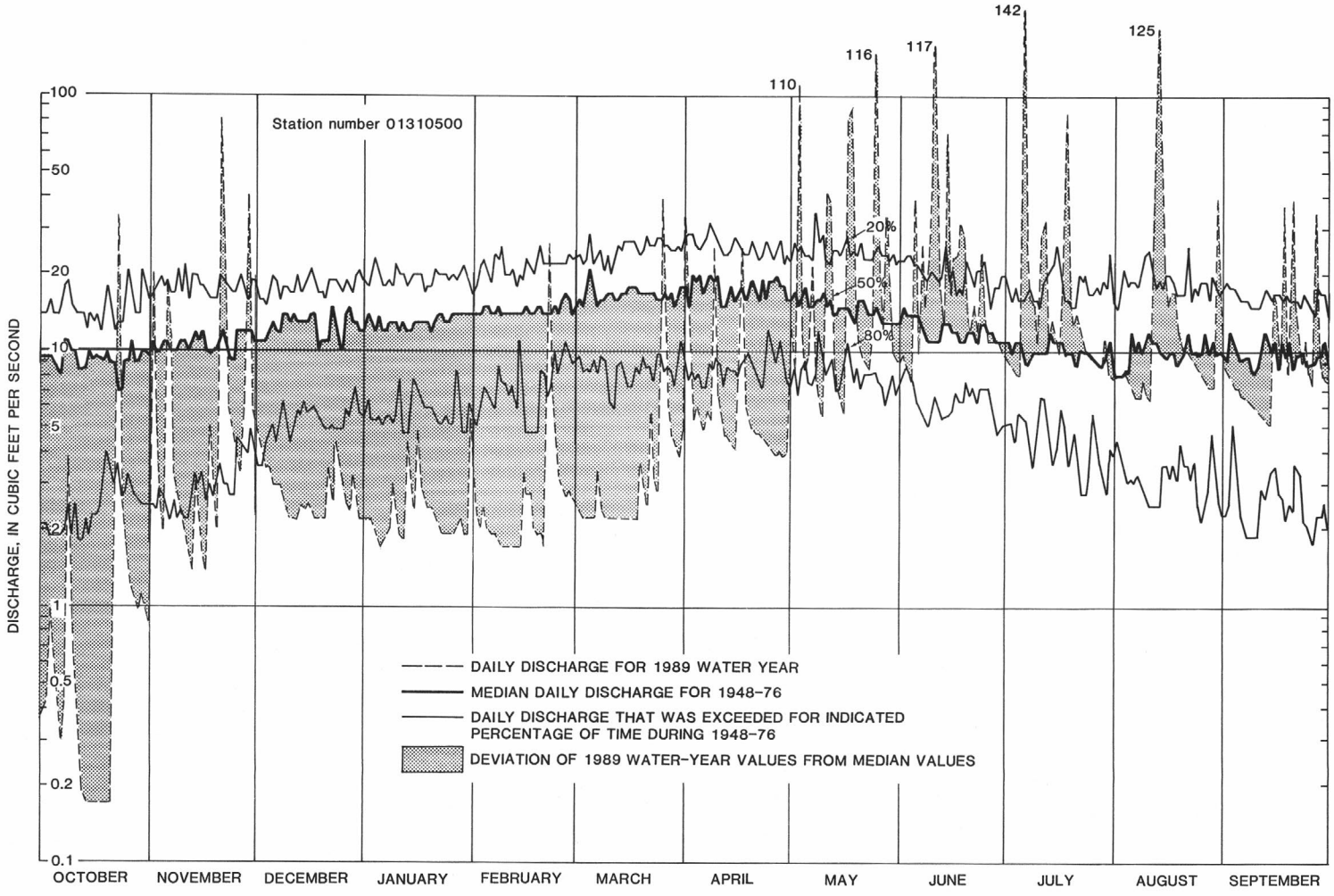


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport

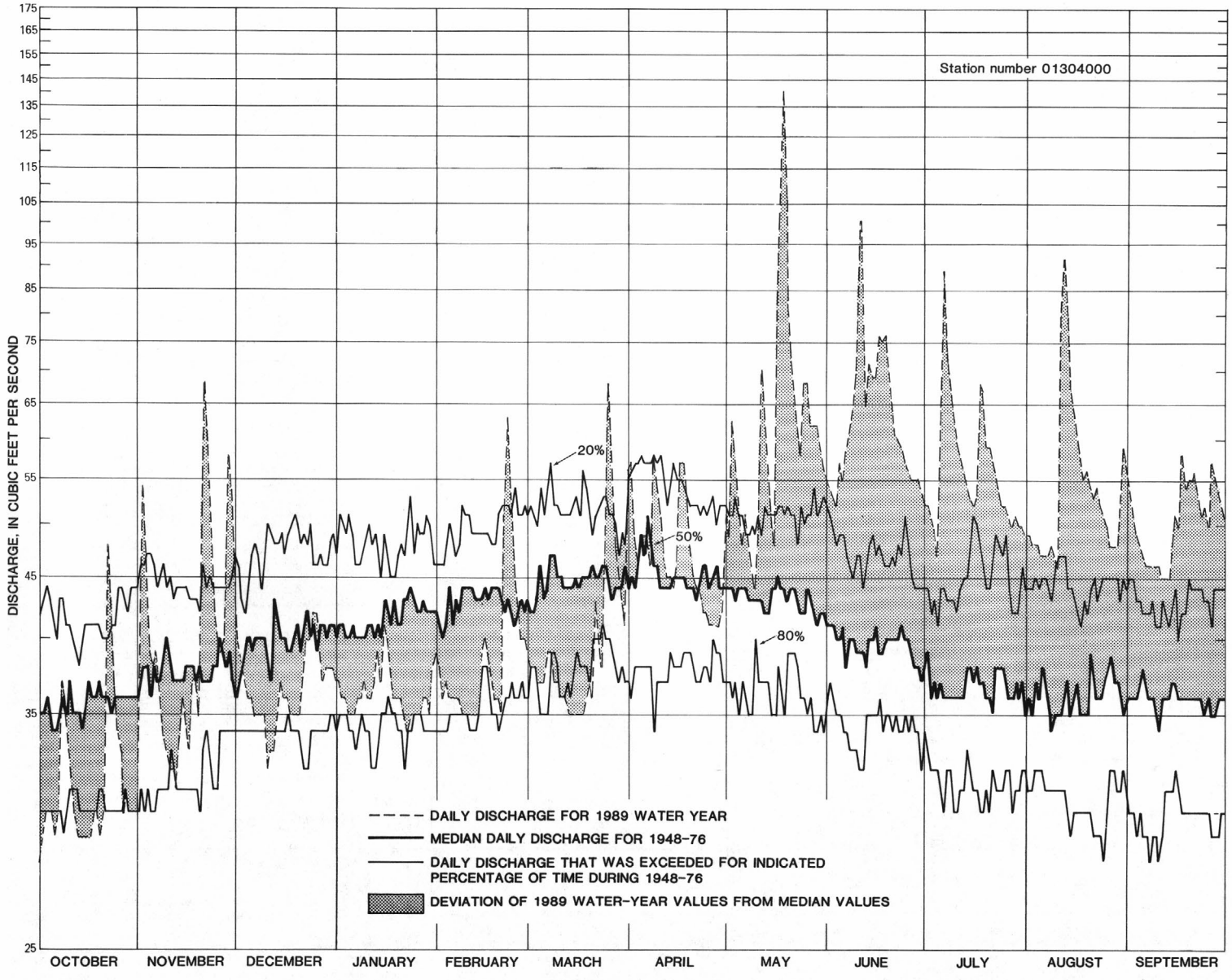


Figure 3 --Hydrographic Comparisons, Nissequogue River near Smithtown

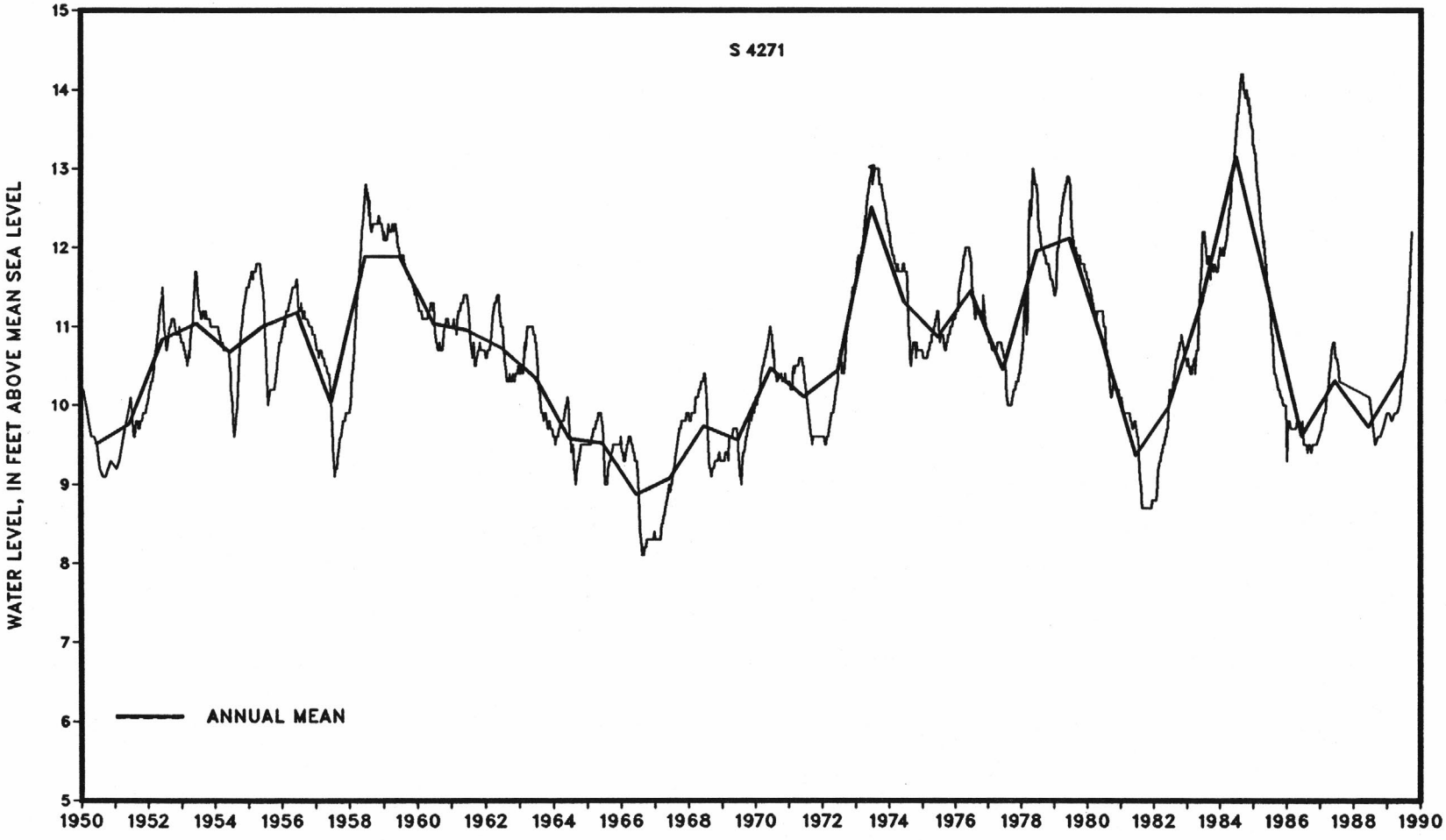


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead

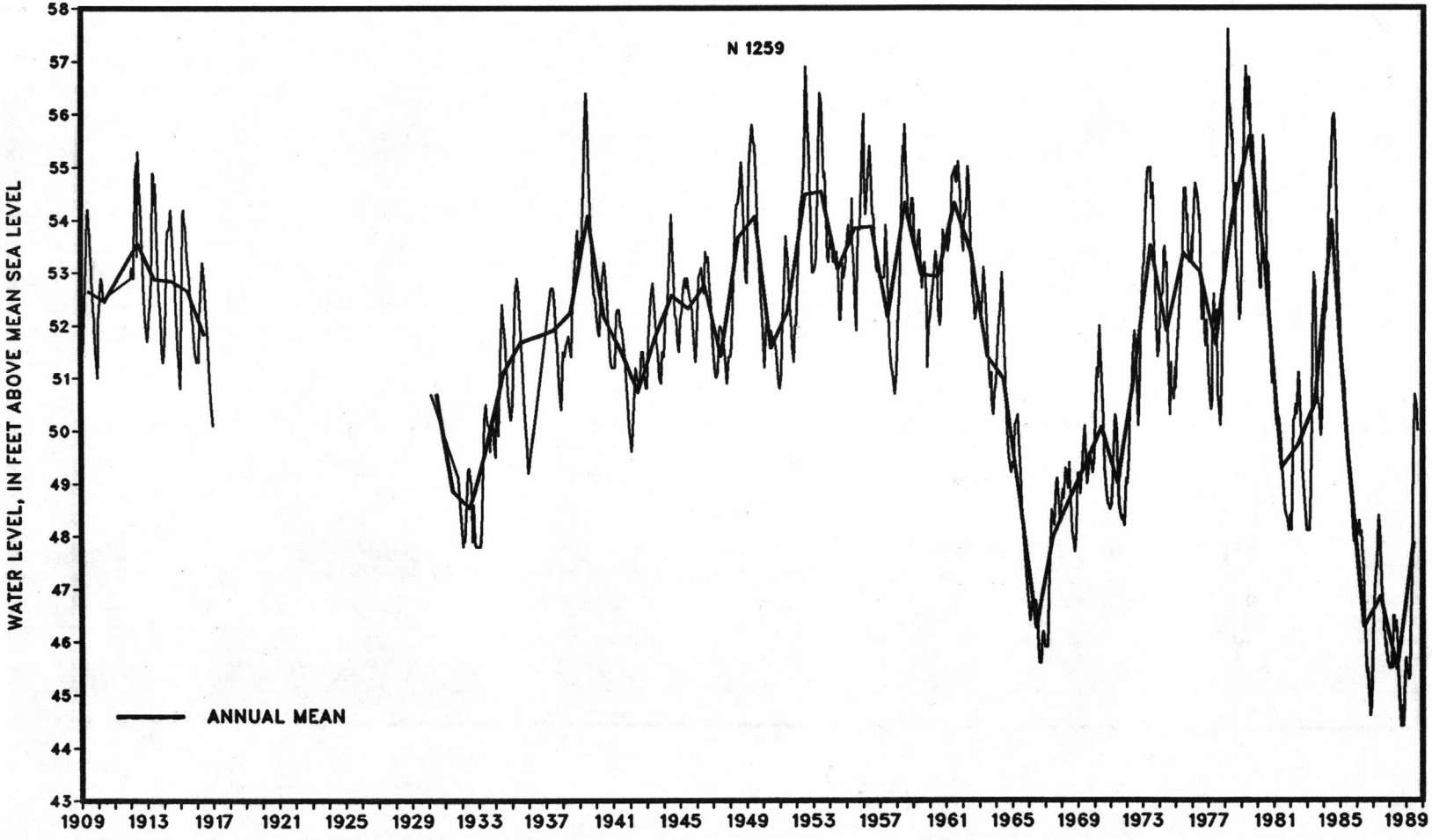


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge

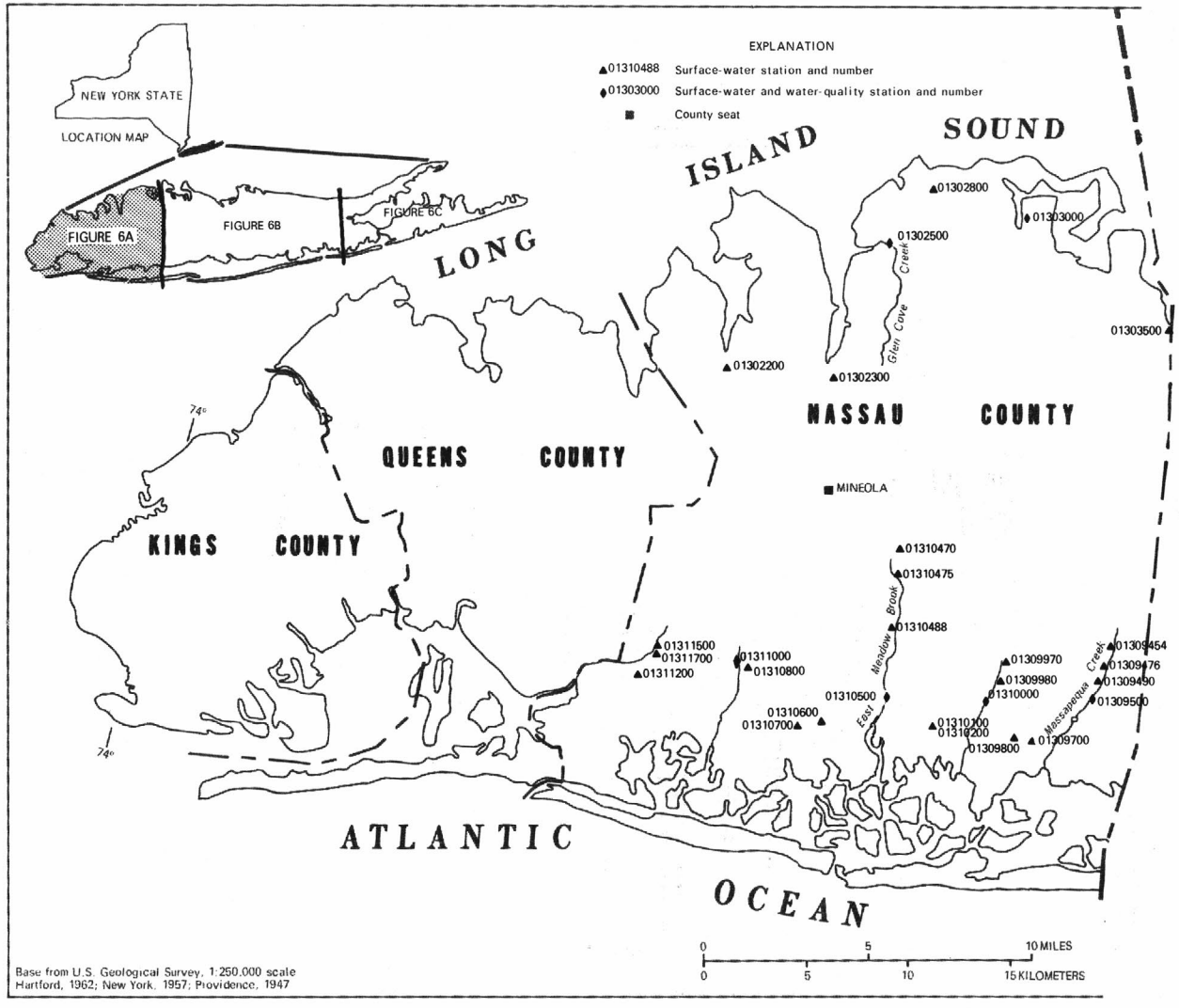


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

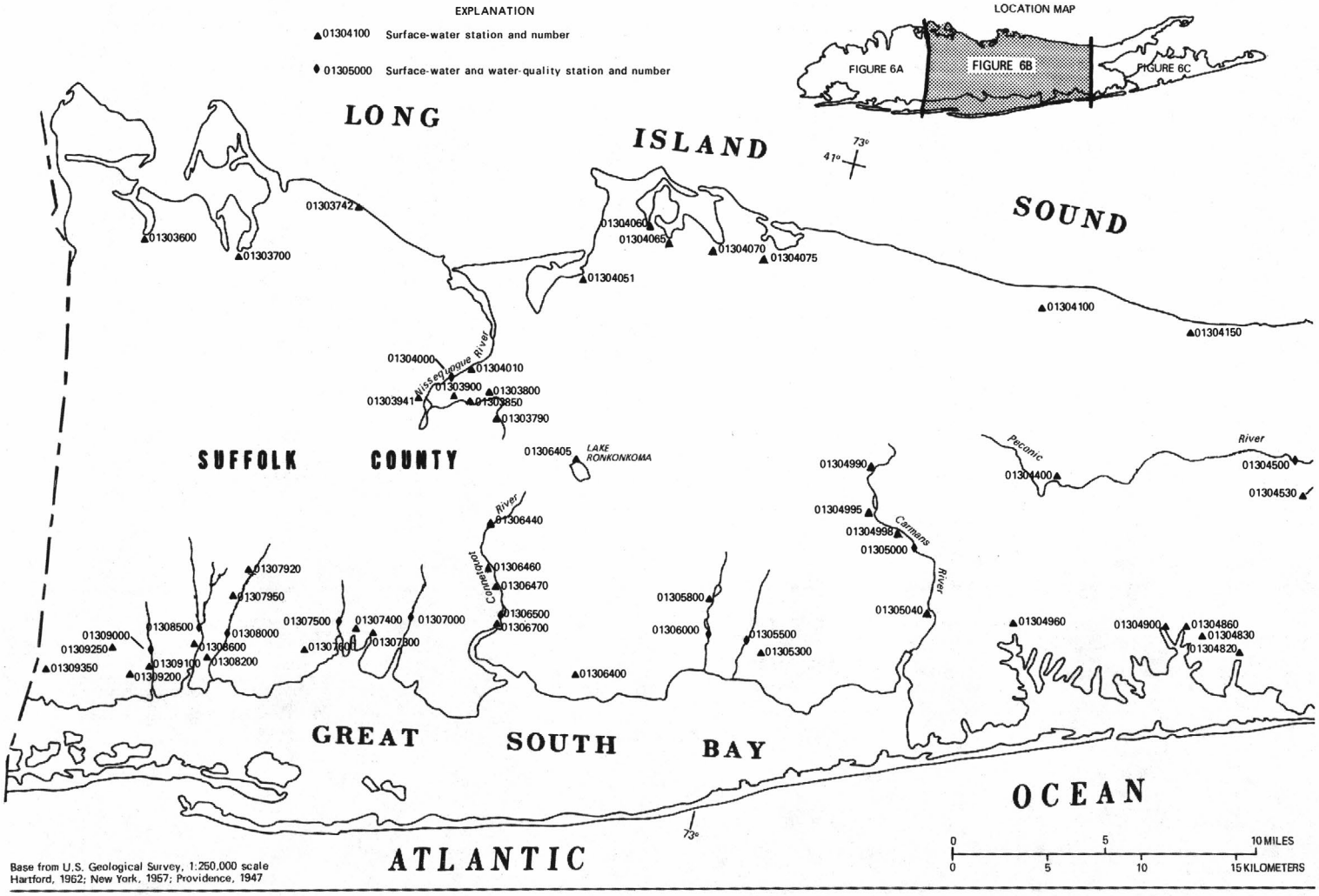


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

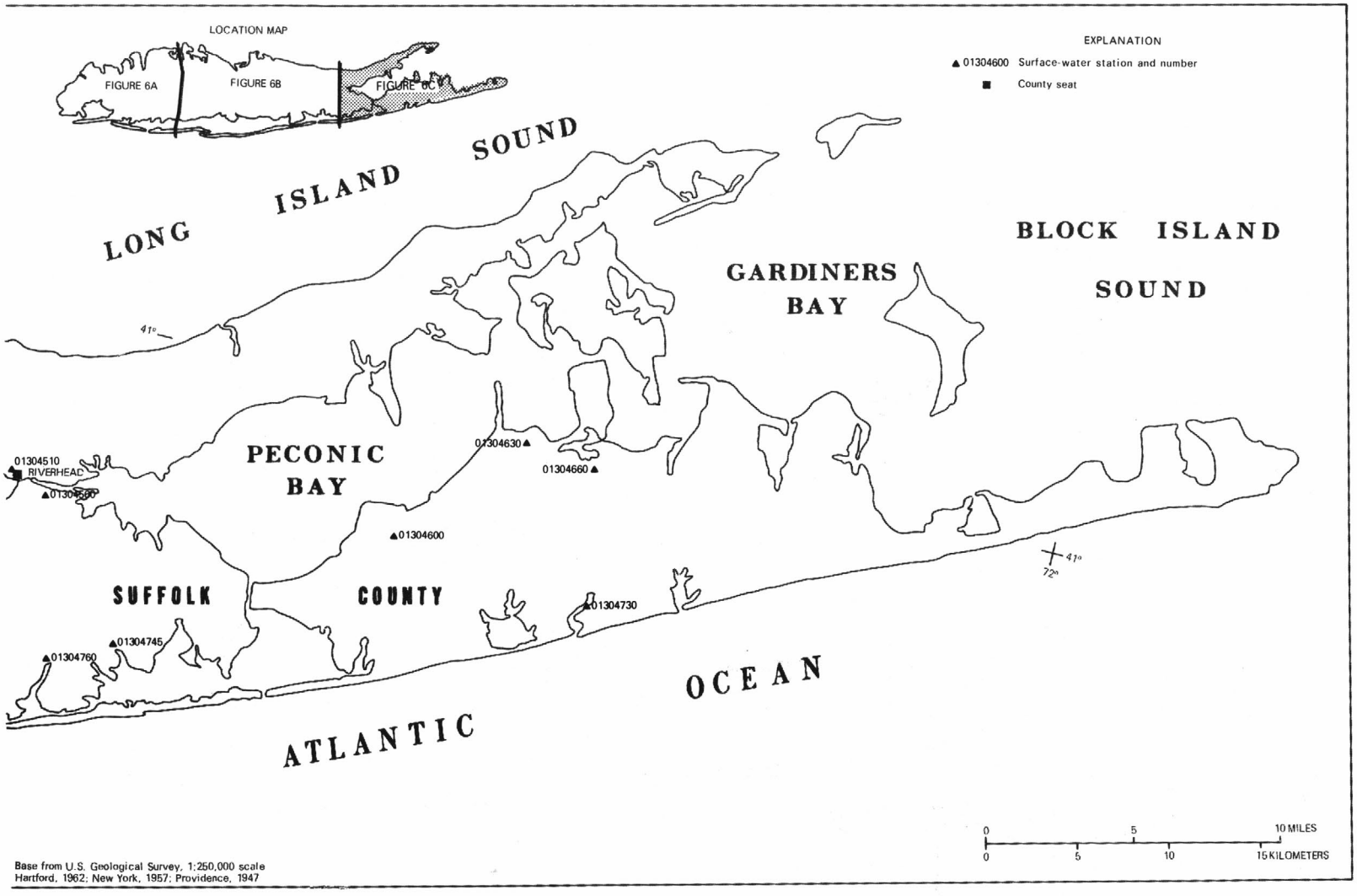


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

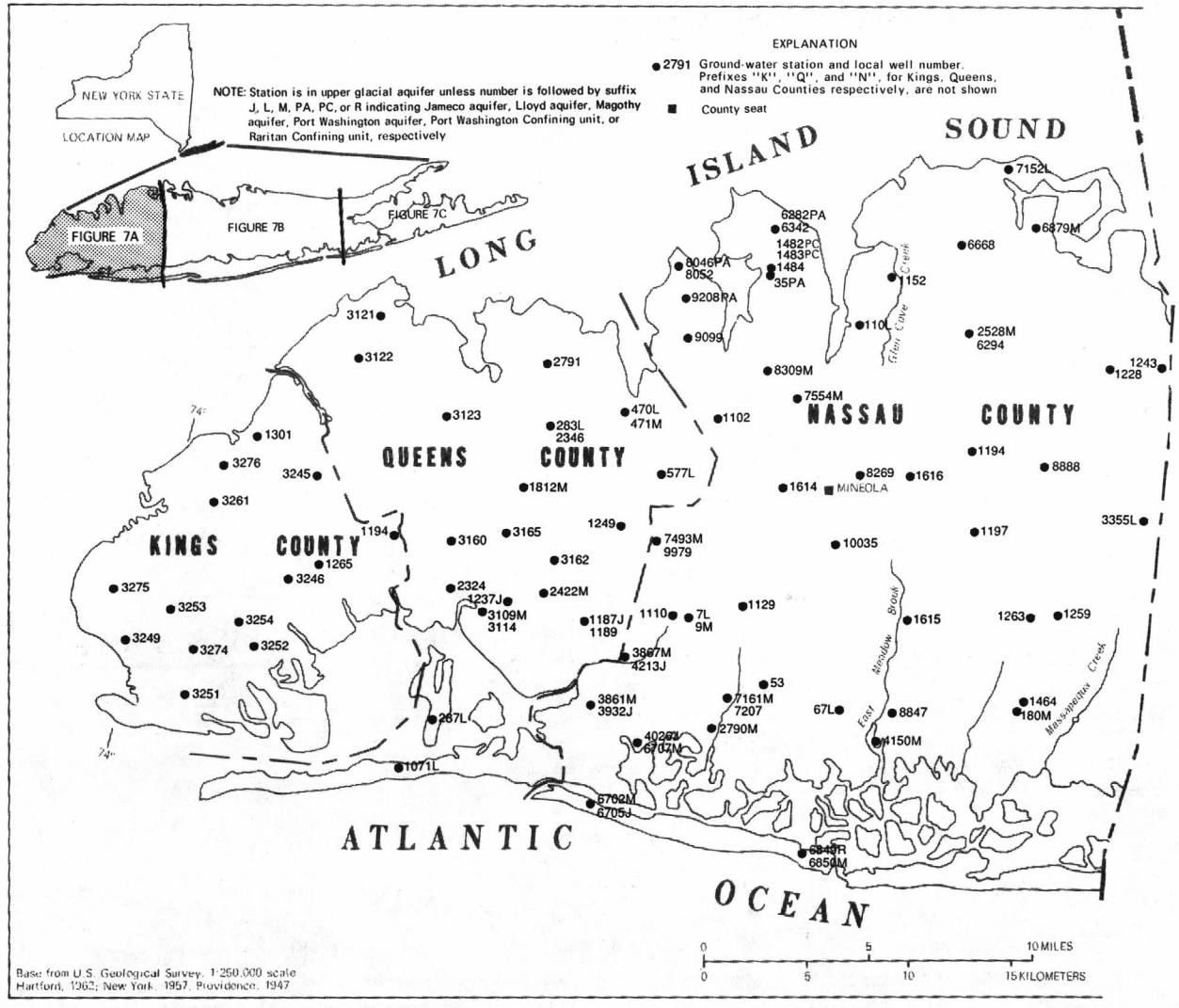


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

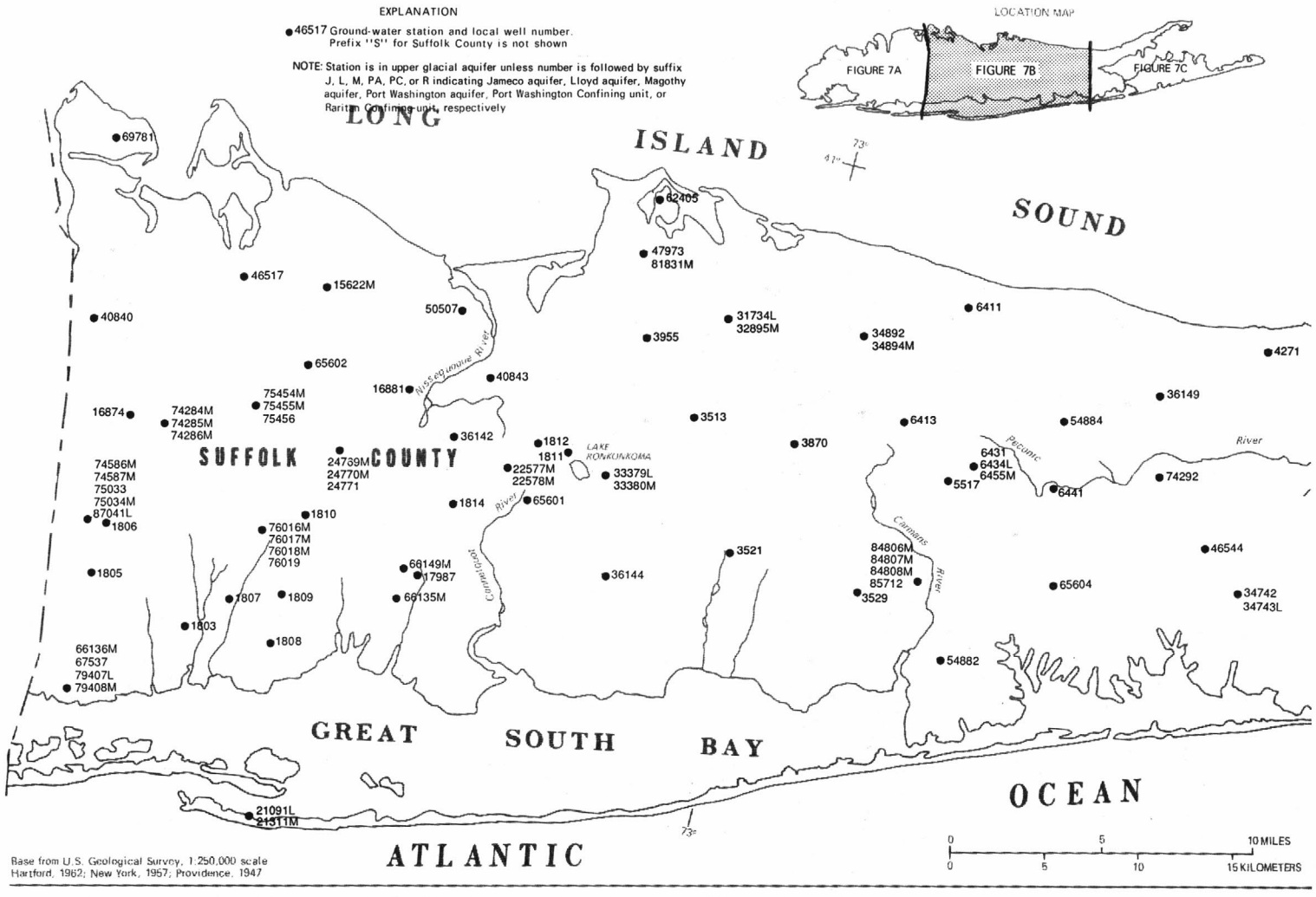


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

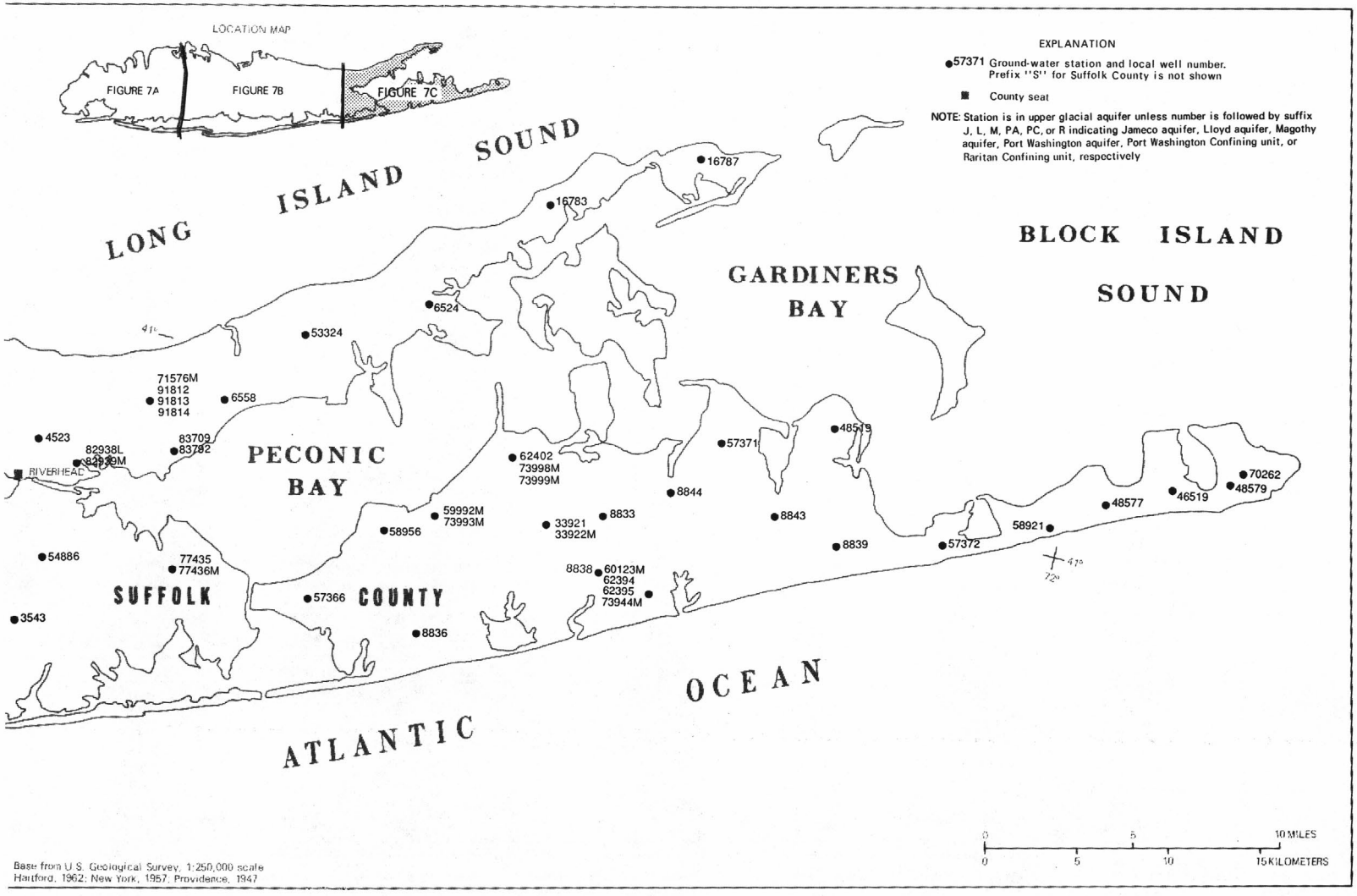


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

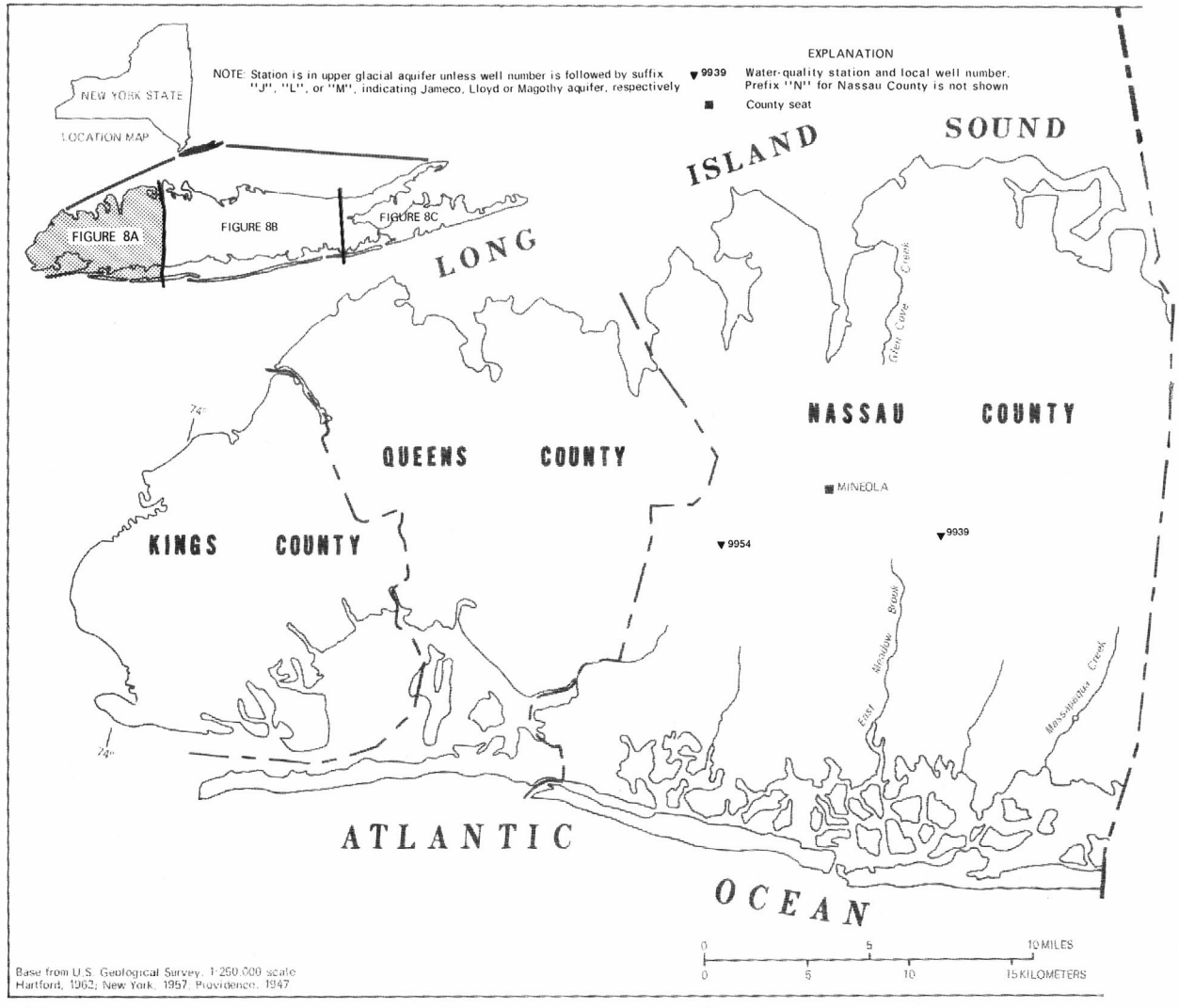


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

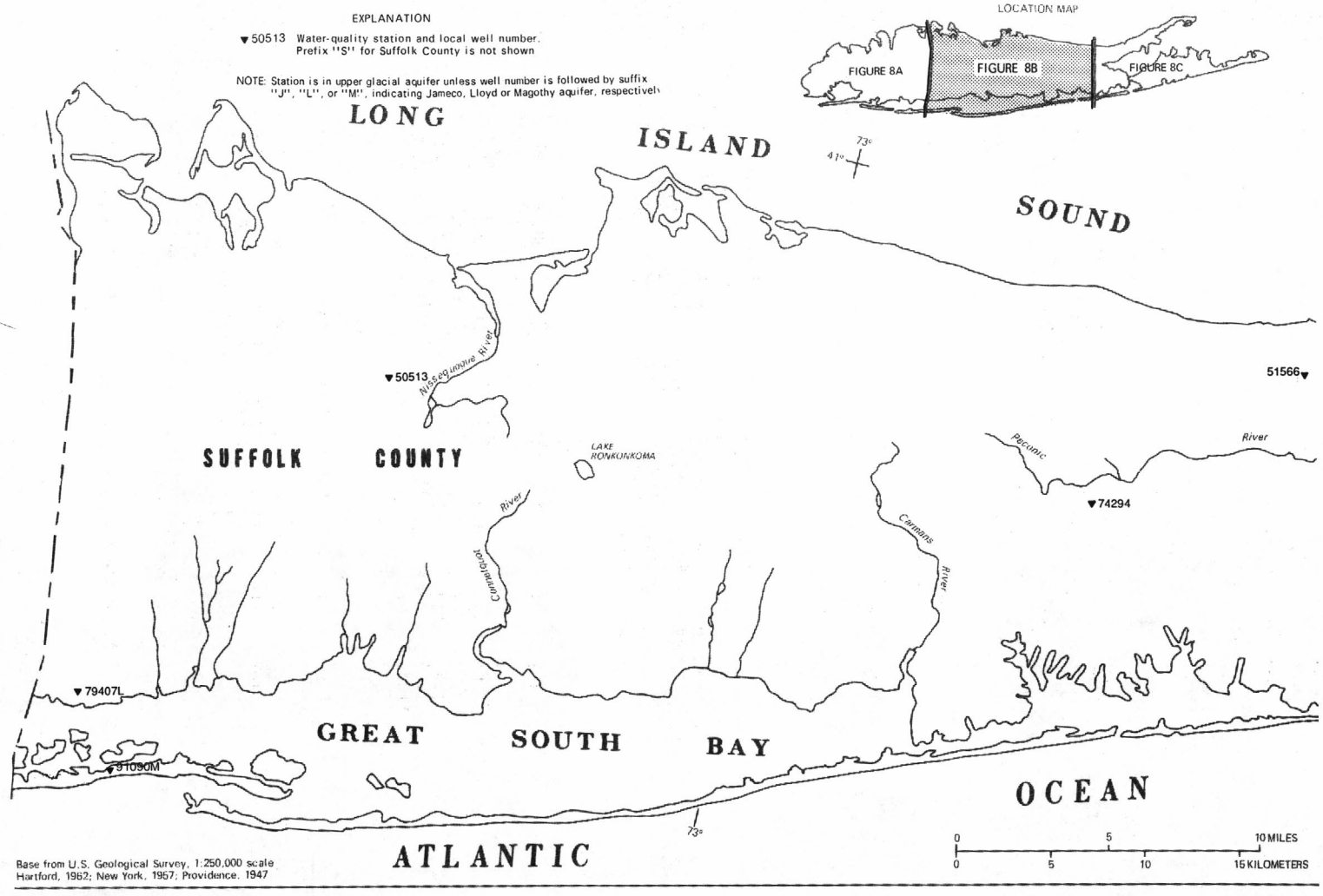


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

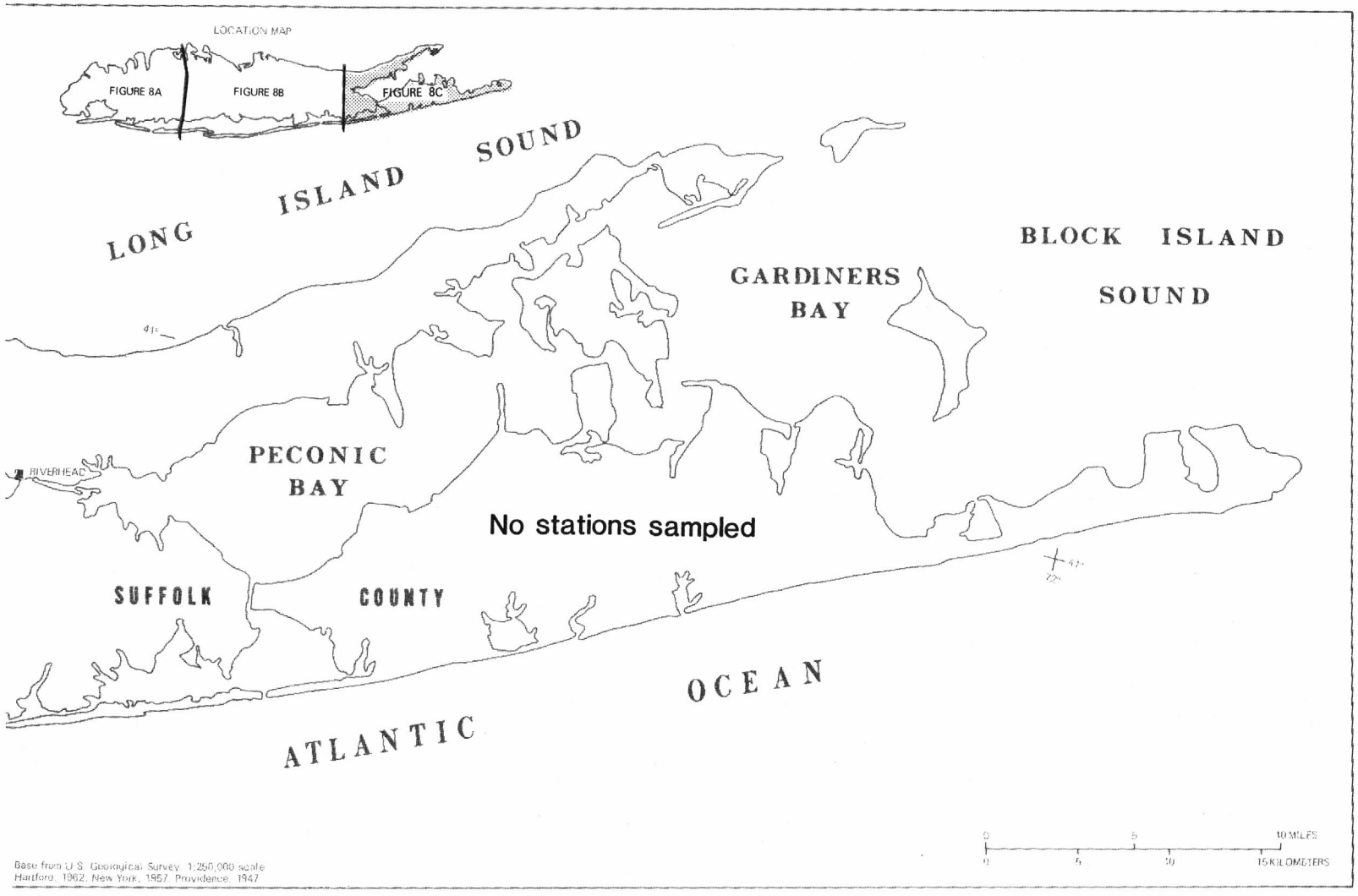


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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.--51 years, 7.34 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, 527 ft^3/s May 24, gage height, 5.71 ft from rating curve extended above 110 ft^3/s on basis of step-backwater method; minimum, 3.4 ft^3/s Jan. 21-23, 25, 26, Feb. 9, 10, 12, 13, gage height, 0.65 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	31	5.6	4.4	3.8	3.7	7.7	14	9.1	4.5	5.0	4.6
2	9.6	7.9	5.3	4.5	3.6	3.6	5.1	84	5.0	4.4	4.9	4.5
3	4.9	6.4	5.2	4.6	5.5	3.6	7.0	14	4.6	4.5	6.9	4.4
4	4.3	5.3	7.3	4.6	3.7	3.6	6.5	7.0	6.1	4.5	5.8	4.4
5	4.2	19	6.2	4.6	3.6	3.9	7.2	13	4.5	35	4.6	4.6
6	4.2	9.7	4.7	4.7	3.8	5.9	8.1	23	22	12	4.5	4.5
7	10	6.4	4.7	4.9	3.6	3.6	8.0	7.6	9.6	17	5.4	4.6
8	14	5.0	4.6	8.6	3.6	3.7	16	5.6	6.0	12	5.3	4.5
9	5.8	4.5	4.5	5.5	3.5	3.6	11	5.2	40	7.5	4.7	4.5
10	4.9	4.3	4.5	4.8	3.5	3.6	8.2	30	27	11	5.3	4.4
11	4.5	4.1	4.4	4.4	3.6	3.6	6.0	23	11	6.8	40	5.1
12	4.2	3.9	4.4	7.7	3.5	3.6	4.3	8.5	9.2	4.9	53	4.6
13	5.3	9.2	4.5	4.8	3.4	3.6	4.2	6.2	27	4.6	16	4.6
14	5.1	4.6	4.7	3.8	7.7	3.6	3.9	5.4	12	4.8	12	21
15	3.9	4.5	4.8	8.5	6.7	3.6	18	5.1	12	4.3	9.2	7.8
16	4.0	4.7	4.5	4.1	4.9	3.4	13	70	8.5	11	12	8.7
17	4.0	12	4.4	3.8	3.7	3.4	5.3	106	7.7	26	6.4	9.2
18	4.0	5.7	4.2	3.7	3.6	11	4.5	14	6.1	6.6	5.5	5.4
19	3.9	5.2	4.2	4.4	3.6	4.4	4.6	7.7	5.4	6.1	5.4	21
20	3.9	37	4.2	3.7	3.6	4.7	4.0	6.2	5.2	7.5	5.3	13
21	12	24	6.6	3.5	27	9.1	3.9	6.5	9.9	5.6	8.5	7.2
22	23	13	4.4	3.4	12	3.9	3.9	5.3	5.2	5.5	4.5	6.1
23	6.7	9.7	7.8	3.5	8.6	3.8	3.9	24	5.4	5.2	5.1	4.9
24	5.5	6.8	8.5	3.6	8.1	41	3.8	94	5.3	4.7	4.7	4.2
25	4.6	5.6	5.2	3.5	5.8	17	3.7	21	5.0	4.7	4.6	4.1
26	4.2	5.2	4.6	4.5	4.5	9.9	3.8	10	5.7	4.7	4.4	14
27	4.1	11	4.6	4.4	4.2	7.7	3.7	13	5.0	8.9	4.6	4.7
28	4.1	21	6.8	3.6	3.7	5.3	3.7	8.1	5.5	6.5	4.6	4.3
29	3.9	7.9	5.1	3.6	---	4.2	4.4	7.2	4.8	4.9	5.4	4.2
30	3.9	6.2	4.6	9.9	---	14	13	6.9	4.6	4.8	5.0	4.1
31	4.0	---	4.5	4.2	---	22	---	6.5	---	4.9	4.7	---
TOTAL	185.0	300.8	159.6	147.8	156.4	221.6	200.4	658.0	294.4	255.4	273.3	203.2
MEAN	5.97	10.0	5.15	4.77	5.59	7.15	6.68	21.2	9.81	8.24	8.82	6.77
MAX	23	37	8.5	9.9	27	41	18	106	40	35	53	21
MIN	3.9	3.9	4.2	3.4	3.4	3.4	3.7	5.1	4.5	4.3	4.4	4.1

CAL YR 1988 TOTAL 2474.4 MEAN 6.76 MAX 44 MIN 3.6
WTR YR 1989 TOTAL 3055.9 MEAN 8.37 MAX 106 MIN 3.4

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP 13...	1045	4.6	299	6.23	15.5	766	8.6	85	90	23

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
SEP 13...	7.9	22	2.3	44	29	35	0.10	16	162	4.09

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
SEP 13...	0.010	0.030	0.67	4.8	0.030	0.020	340	60	0.08

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.--Records good except those for estimated period, which are fair. Slight regulation by ponds above station.

AVERAGE DISCHARGE.--52 years, 9.09 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)
Nov. 20	2030	33	0.74	July 5	1700	37	0.79
May 2	1030	51	.95	Aug. 12	1530	48	.92
May 17	0530	*52	*.96	Aug. 21	2300	38	.80
May 24	1400	39	.82				

Minimum discharge, 4.8 ft^3/s Oct. 12-14, Jan. 4, gage height, 0.21 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	11	6.8	5.6	6.4	5.9	11	8.0	7.9	6.8	6.9	7.4
2	5.8	15	6.2	5.7	5.8	5.6	8.1	31	7.8	7.0	6.6	7.0
3	7.4	8.3	6.0	5.6	6.2	5.6	7.4	18	7.2	6.8	6.9	6.6
4	6.5	6.6	5.6	5.5	6.1	5.5	7.3	10	7.6	6.7	6.8	6.6
5	5.8	8.1	5.6	8.4	5.8	5.8	7.0	8.9	7.4	18	6.5	6.6
6	5.5	13	5.7	7.2	5.9	6.5	7.9	15	10	20	6.4	6.6
7	5.6	7.9	5.8	6.5	5.9	6.1	7.3	10	13	12	6.3	6.6
8	8.9	6.2	5.6	6.5	5.6	5.7	9.2	7.8	11	12	6.1	7.0
9	7.5	5.8	5.6	6.8	5.4	5.6	7.9	7.1	12	9.0	6.0	7.0
10	6.4	5.7	5.6	6.2	5.3	5.6	6.9	9.4	23	8.2	6.1	7.0
11	5.6	5.6	5.4	5.8	5.3	5.6	6.2	18	13	10	17	7.0
12	5.1	5.4	5.3	6.4	5.4	5.6	5.9	12	9.2	8.3	33	7.0
13	5.0	6.8	5.7	7.2	5.3	5.6	5.9	8.6	14	7.7	24	7.0
14	5.0	7.9	6.0	6.3	6.8	5.6	6.0	7.5	11	8.0	14	8.9
15	5.2	6.4	5.9	7.5	7.0	5.7	6.9	7.0	11	8.3	10	14
16	5.3	5.9	5.7	6.8	7.0	5.4	12	19	10	8.1	9.8	11
17	5.4	8.4	5.6	6.1	6.1	5.4	9.3	42	9.9	20	11	11
18	5.6	8.4	5.6	5.7	5.7	6.1	7.4	20	9.4	13	8.7	9.0
19	5.3	6.7	5.5	5.9	5.6	7.2	6.7	11	8.1	9.4	8.0	12
20	5.3	19	5.6	5.9	5.6	6.4	6.1	8.8	7.5	8.7	7.9	13
21	5.6	21	6.6	5.6	10	7.7	5.9	8.0	7.6	8.5	12	12
22	e14	11	6.6	5.4	12	6.7	5.5	7.8	10	8.0	24	9.7
23	e10	7.7	6.5	5.4	8.9	6.0	5.4	7.7	10	7.7	13	8.0
24	e7.4	6.6	7.3	5.6	6.9	9.9	5.5	30	8.1	7.2	9.2	7.1
25	6.1	6.3	7.4	5.6	6.2	20	5.6	21	7.6	6.9	7.7	7.0
26	5.5	6.0	6.3	5.9	6.0	10	5.6	12	7.3	6.6	7.4	10
27	5.2	6.7	5.9	6.3	6.2	7.6	5.5	10	7.1	6.7	7.0	9.0
28	5.3	14	6.3	5.8	6.0	6.7	5.4	9.0	6.8	7.9	7.4	7.9
29	5.3	10	6.5	5.6	---	6.1	5.5	8.0	6.6	7.1	7.7	7.5
30	5.4	7.9	6.1	6.9	---	6.4	9.0	7.6	6.3	6.7	8.0	7.1
31	5.7	---	5.8	7.3	---	11	---	7.4	---	6.8	7.4	---
TOTAL	193.1	265.3	186.1	193.0	180.4	214.6	211.3	407.6	287.4	288.1	318.8	253.6
MEAN	6.23	8.84	6.00	6.23	6.44	6.92	7.04	13.1	9.58	9.29	10.3	8.45
MAX	14	21	7.4	8.4	12	20	12	42	23	20	33	14
MIN	5.0	5.4	5.3	5.4	5.3	5.4	5.4	7.0	6.3	6.6	6.0	6.6

CAL YR 1988 TOTAL 2547.0 MEAN 6.96 MAX 21 MIN 4.7
WTR YR 1989 TOTAL 2999.3 MEAN 8.22 MAX 42 MIN 5.0

e Estimated

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
AUG 09...	0845	5.8	253	5.74	17.0	766	9.5	97	59	18

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
AUG 09...	3.4	24	3.5	25	30	36	<0.10	5.9	136	2.25

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
AUG 09...	0.050	0.120	0.28	2.7	0.010	0.010	140	90	0.09

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.--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.--38 years (1951-78, 80-89), 2.60 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 80 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, 22 ft^3/s May 17, gage height, 0.71 ft; maximum gage height, 2.55 ft Oct. 22 (backwater from high tide); minimum discharge 0.26 ft^3/s Jan. 4-6, 21, 22; gage height, 0.09 ft (result of regulation) .

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55	1.6	.90	.43	.65	1.1	3.9	2.2	1.8	1.2	1.4	1.5
2	.80	3.0	.69	.45	.52	1.1	2.0	8.9	1.8	1.1	1.4	1.4
3	.93	1.9	.55	.40	.52	.98	1.5	4.8	1.6	1.3	1.4	1.3
4	.77	1.2	.43	.34	.49	.98	1.3	2.5	1.6	1.2	1.4	1.2
5	.70	1.4	.43	.28	.48	.98	1.2	2.0	1.6	4.8	1.4	1.1
6	.60	2.2	.47	.32	.71	1.1	1.3	3.2	2.5	6.0	1.4	1.1
7	.65	1.6	.47	.47	.65	1.3	1.1	2.6	2.9	3.0	1.4	1.1
8	1.8	1.2	.47	.56	.57	1.1	2.4	1.8	2.4	2.6	1.4	1.2
9	1.6	.93	.47	.57	.43	1.1	2.0	1.4	3.8	2.0	1.3	1.3
10	1.1	.87	.45	.48	.41	.98	1.4	1.9	9.1	1.6	1.2	1.3
11	.91	.75	.41	.42	.62	.98	.90	5.1	3.5	1.5	4.7	1.3
12	.77	.65	.39	.52	.75	e.98	.77	3.3	2.1	1.3	10	1.3
13	.66	.98	.47	.79	.82	e.98	.72	2.1	3.0	1.3	6.2	1.3
14	.73	1.2	.62	.63	1.3	.98	.66	1.6	2.7	1.3	4.0	1.4
15	.82	.99	.52	.83	1.5	.93	.92	1.3	2.5	1.4	2.6	2.0
16	.60	.87	.42	.79	1.4	.83	3.1	7.2	2.8	1.4	2.4	2.0
17	.59	1.4	.39	.63	1.1	.82	2.4	14	3.0	4.0	3.1	2.8
18	.86	1.6	.39	.52	.98	.99	1.5	4.4	2.6	3.3	2.5	2.4
19	.95	1.2	.39	.51	.98	1.5	1.1	2.7	2.4	2.4	2.0	3.0
20	.87	3.5	.39	.43	.96	1.1	.84	2.1	2.0	1.8	1.8	3.5
21	.86	5.9	.49	.31	2.3	1.5	.75	1.8	1.8	1.6	2.8	2.8
22	3.5	2.5	.65	.30	3.6	1.3	.63	1.7	1.6	1.4	7.3	2.1
23	2.3	1.3	.65	.32	2.6	1.0	.55	1.6	1.6	1.7	3.2	1.8
24	1.4	.86	.83	.32	1.8	1.4	.54	5.9	1.6	1.8	2.1	1.8
25	.98	.81	.85	.34	1.3	6.4	.58	5.5	1.4	1.5	1.7	1.7
26	.75	.67	.64	.42	1.1	3.0	.81	3.0	1.4	1.3	1.4	2.5
27	.64	.79	.50	.49	1.1	1.8	.97	2.6	1.4	1.3	1.4	2.5
28	.61	2.7	.55	.45	1.1	1.3	.98	2.6	1.4	1.4	1.5	2.0
29	.81	2.4	.68	.39	---	1.1	1.0	2.0	1.4	1.3	1.6	1.6
30	.84	1.4	.56	.61	---	1.2	2.5	1.7	1.3	1.3	1.9	1.5
31	.71	---	.49	.80	---	4.4	---	1.6	---	1.4	1.9	---
TOTAL	30.66	48.37	16.61	15.12	30.74	45.21	40.32	105.1	70.6	60.5	79.8	53.8
MEAN	.99	1.61	.54	.49	1.10	1.46	1.34	3.39	2.35	1.95	2.57	1.79
MAX	3.5	5.9	.90	.83	3.6	6.4	3.9	14	9.1	6.0	10	3.5
MIN	.55	.65	.39	.28	.41	.82	.54	1.3	1.3	1.1	1.2	1.1

CAL YR 1988 TOTAL 403.42 MEAN 1.10 MAX 5.9 MIN .26
WTR YR 1989 TOTAL 596.83 MEAN 1.64 MAX 14 MIN .28

e Estimated

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.--46 years, 42.0 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, 153 ft^3/s May 17, gage height, 1.28 ft; minimum, 28 ft^3/s Oct. 1, 2, 13, 14, 16, 17, gage height, 0.68 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	41	40	37	38	38	57	49	54	52	49	53
2	29	54	38	36	36	38	49	63	53	51	48	51
3	30	44	37	36	37	37	46	58	52	50	48	49
4	30	39	36	35	36	37	48	51	57	47	48	48
5	30	38	36	35	36	37	49	48	55	71	47	47
6	29	39	35	35	36	39	49	51	59	89	47	46
7	30	36	35	36	36	39	46	48	62	72	47	46
8	37	34	35	36	35	37	58	45	64	67	48	46
9	36	33	35	37	35	37	54	44	70	63	47	46
10	33	32	32	36	35	36	51	49	101	60	46	46
11	31	32	33	36	35	36	47	70	81	58	80	45
12	30	31	33	37	35	36	45	65	65	56	92	45
13	29	33	35	39	35	35	45	56	71	55	80	45
14	29	36	37	37	39	35	44	50	69	53	67	48
15	29	35	36	41	40	35	46	48	69	52	62	51
16	29	33	36	40	39	35	57	81	76	53	59	50
17	29	37	35	37	37	35	57	141	75	68	57	58
18	30	38	35	36	36	36	54	107	76	67	55	54
19	30	35	35	36	36	37	48	82	68	59	56	55
20	29	52	35	36	35	36	45	72	64	59	54	55
21	30	68	38	35	51	43	44	65	61	58	53	56
22	48	60	40	34	63	41	44	61	60	56	54	53
23	41	48	40	35	53	38	42	58	59	54	52	51
24	37	42	42	35	45	46	42	68	57	52	51	52
25	34	39	42	35	42	68	41	68	56	52	50	50
26	33	39	39	35	40	56	41	62	55	51	48	57
27	30	40	37	36	40	48	41	62	55	50	48	56
28	31	58	38	36	39	45	41	62	55	51	48	54
29	30	54	38	35	---	43	42	59	54	50	51	53
30	30	44	38	38	---	41	51	56	52	50	59	51
31	30	---	37	39	---	56	---	55	---	49	55	---
TOTAL	981	1244	1138	1127	1100	1256	1424	1954	1905	1775	1706	1517
MEAN	31.6	41.5	36.7	36.4	39.3	40.5	47.5	63.0	63.5	57.3	55.0	50.6
MAX	48	68	42	41	63	68	58	141	101	89	92	58
MIN	28	31	32	34	35	35	41	44	52	47	46	45

CAL YR 1988 TOTAL 13387 MEAN 36.6 MAX 68 MIN 27
WTR YR 1989 TOTAL 17127 MEAN 46.9 MAX 141 MIN 28

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
13...	0800	29	111	7.06	10.0	--	766	10.1	89	--	--
*19...	1445	29	118	5.40	12.5	--	--	9.3	--	--	--
NOV											
29...	1430	54	127	6.06	8.5	1.5	--	12.0	--	K15	33
JAN											
10...	1430	36	132	7.50	4.0	--	--	12.2	--	--	--
MAR											
16...	1200	35	141	5.76	10.5	0.80	768	12.9	114	--	--
APR											
*19...	1420	48	125	6.10	15.5	--	--	9.9	--	--	--
26...	1045	40	138	5.75	13.0	--	765	11.9	113	--	--
JUN											
*28...	1300	55	127	5.90	21.5	--	--	8.2	--	--	--
29...	1900	54	137	5.50	20.0	0.50	764	9.0	99	--	--
SEP											
05...	1245	47	208	6.34	17.5	0.40	--	9.2	--	K17	--

DATE	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT											
13...	28	6.6	2.7	11	1.5	--	16	11	14	0.10	--
*19...	29	7.0	2.8	10	1.2	15	--	11	17	--	--
NOV											
29...	28	7.1	2.5	12	1.7	14	16	14	16	0.10	7.6
JAN											
10...	27	6.5	2.7	12	1.3	--	--	16	18	--	--
MAR											
16...	30	7.6	2.7	16	1.4	18	15	13	22	0.10	7.5
APR											
*19...	31	8.5	2.4	13	1.2	12	--	9.4	20	--	--
26...	30	7.7	2.6	15	1.4	--	17	11	18	0.10	--
JUN											
*28...	32	7.7	3.2	13	1.2	14	--	6.7	20	--	--
29...	32	8.4	2.7	13	1.5	16	19	11	17	<0.10	5.8
SEP											
05...	30	7.5	2.6	13	1.3	15	17	11	16	<0.10	6.3

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

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
13...	--	56	--	--	--	--	--	--	--	--	--
*19...	--	58	2.40	--	0.008	--	--	--	--	--	<0.020
NOV											
29...	85	76	--	1.49	--	0.010	1.50	0.110	0.70	--	0.120
JAN											
10...	--	--	2.80	--	0.013	--	--	--	--	--	0.040
MAR											
16...	88	92	--	2.28	--	0.020	2.30	0.040	0.40	--	0.060
APR											
*19...	--	62	2.10	--	0.013	--	--	--	<0.05	<0.05	<0.020
26...	--	66	--	--	--	--	--	--	--	--	--
JUN											
*28...	--	61	1.90	--	0.018	--	--	--	<0.05	<0.05	0.060
29...	79	76	--	1.58	--	0.020	1.60	0.040	0.30	--	0.030
SEP											
05...	68	74	--	1.59	--	0.010	1.60	0.030	0.50	--	0.030

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
OCT											
13...	--	--	--	--	--	10	--	--	--	1	--
*19...	--	--	--	<0.005	--	--	--	--	--	--	--
NOV											
29...	0.58	0.010	<0.010	--	<0.010	--	<1	18	<0.5	--	<1
JAN											
10...	--	--	--	<0.005	--	--	--	--	--	--	--
MAR											
16...	0.34	0.020	0.010	--	<0.010	20	<1	16	<0.5	<1	<1
APR											
*19...	--	0.042	0.035	<0.005	--	--	--	--	--	--	--
26...	--	--	--	--	--	30	--	--	--	<1	--
JUN											
*28...	--	<0.010	<0.010	0.006	--	--	--	--	--	--	--
29...	0.27	0.010	0.030	--	<0.010	30	<1	19	<0.5	<1	<1
SEP											
05...	0.47	0.020	0.010	--	<0.010	<10	<1	16	<0.5	<1	<1

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
OCT											
13...	--	--	3	--	120	--	<5	--	--	50	--
*19...	--	--	--	--	90	60	--	--	--	30	20
NOV											
29...	<4	<3	--	1	--	97	--	<5	1	--	81
JAN											
10...	--	--	--	--	70	60	--	--	--	100	60
MAR											
16...	<4	<3	2	1	140	63	<5	<5	1	100	84
APR											
*19...	--	--	--	--	220	100	--	--	--	60	60
26...	--	--	5	--	170	--	2	--	--	110	--
JUN											
*28...	--	--	--	--	240	160	--	--	--	90	70
29...	<4	<3	2	1	<10	130	3	1	<1	170	120
SEP											
05...	<4	<3	4	1	140	49	2	<1	<1	50	24

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT											
13...	--	--	3	--	--	--	--	--	<10	--	--
*19...	--	--	--	--	--	--	--	--	--	--	--
NOV											
29...	<0.1	<10	--	10	<1	1.0	50	<6	--	10	--
JAN											
10...	--	--	--	--	--	--	--	--	--	--	0.02
MAR											
16...	<0.1	<10	3	1	<1	<1.0	55	<6	20	110	--
APR											
*19...	--	--	--	--	--	--	--	--	--	--	<0.02
26...	--	--	4	--	--	--	--	--	20	--	--
JUN											
*28...	--	--	--	--	--	--	--	--	--	--	0.02
29...	<0.1	<10	3	1	<1	<1.0	59	<6	<10	30	--
SEP											
05...	<0.1	<10	<1	<1	<1	<1.0	58	<6	<10	15	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
29...	1430	54	1	0.15	90
MAR					
16...	1200	35	2	0.19	78
JUN					
29...	1900	54	1	0.15	82
SEP					
05...	1245	47	2	0.25	--

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

AVERAGE DISCHARGE.--47 years, 36.7 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, 144 ft^3/s Aug. 12, gage height, 0.98 ft; minimum 2.7 ft^3/s Jan. 5 (result of freezeup), gage height, 0.13 ft; minimum daily, 13 ft^3/s Oct. 1-3,7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	31	23	22	28	44	47	62	55	51	67
2	13	27	31	23	21	27	42	52	61	53	50	65
3	13	27	30	23	22	26	41	50	58	37	49	63
4	14	25	29	21	22	26	42	45	58	42	48	61
5	14	25	27	15	21	26	41	42	56	52	47	60
6	14	25	26	24	21	27	41	44	57	64	43	60
7	13	24	26	24	21	26	39	43	58	62	42	58
8	17	23	25	23	21	26	41	41	58	57	42	57
9	18	21	24	22	20	26	42	40	60	75	42	53
10	18	21	24	22	19	24	41	40	75	72	41	54
11	17	20	23	22	20	24	40	54	73	71	84	40
12	17	19	23	22	19	24	40	54	70	74	127	32
13	16	20	23	24	19	24	38	53	72	64	143	39
14	15	21	28	23	21	24	37	52	72	59	140	44
15	15	20	27	25	22	24	37	52	73	52	140	49
16	14	20	27	25	23	24	44	56	79	54	137	51
17	14	21	26	24	23	23	43	70	80	83	130	58
18	14	21	26	24	22	24	42	73	78	77	122	57
19	14	20	24	24	22	25	41	80	74	72	116	59
20	14	27	24	24	21	24	40	87	72	74	109	60
21	14	33	24	23	26	27	40	87	70	79	103	60
22	19	32	25	22	30	27	36	84	69	76	94	74
23	19	31	25	21	30	26	38	84	68	74	85	80
24	19	30	27	21	30	28	38	87	66	73	79	71
25	18	28	27	21	30	38	35	78	65	69	77	62
26	17	27	26	20	29	38	34	74	64	66	77	64
27	17	27	26	21	30	38	35	73	62	64	75	55
28	16	34	26	21	28	37	38	72	60	54	74	36
29	16	34	26	21	---	37	38	69	60	55	73	42
30	16	32	25	22	---	35	48	66	58	54	74	47
31	15	---	24	23	---	51	---	64	---	53	72	---
TOTAL	483	754	805	693	655	884	1196	1913	1988	1966	2586	1678
MEAN	15.6	25.1	26.0	22.4	23.4	28.5	39.9	61.7	66.3	63.4	83.4	55.9
MAX	19	34	31	25	30	51	48	87	80	83	143	80
MIN	13	19	23	15	19	23	34	40	56	37	41	32

CAL YR 1988 TOTAL 8809 MEAN 24.1 MAX 48 MIN 12
WTR YR 1989 TOTAL 15601 MEAN 42.7 MAX 143 MIN 13

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC 13...	--	22	99	6.00	2.0	12.0	8.3	2.5	10
APR 19...	1100	42	99	5.90	14.0	8.3	6.1	2.0	8.8
JUN 28...	1030	60	90	5.40	25.0	4.9	6.5	2.2	7.7

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 13...	1.6	--	14	16	0.260	0.005	0.080	--
APR 19...	1.3	11	12	14	<0.050	0.006	0.040	<0.05
JUN 28...	1.5	9	9.2	14	0.170	0.008	0.100	<0.05

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 13...	--	--	--	0.020	380	220	60	<0.02
APR 19...	<0.05	0.082	0.074	0.023	470	410	60	<0.02
JUN 28...	<0.05	0.150	0.109	0.119	2500	1500	390	<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.--Records good. Some regulation by two lakes above station.

AVERAGE DISCHARGE.--47 years, 23.9 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, 143 ft^3/s Aug. 11, gage height, 2.09 ft, from rating curve extended above 90ft^3/s; minimum, 12 ft^3/s Oct. 21, gage height, 1.01 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	21	17	16	16	16	21	22	31	30	28	31
2	13	22	17	16	15	16	19	25	31	30	28	32
3	13	17	17	16	16	16	19	22	30	29	28	30
4	13	15	17	16	16	16	20	21	31	30	27	30
5	14	15	16	16	15	16	19	21	30	36	27	32
6	13	15	17	15	15	17	21	22	30	38	27	30
7	13	15	17	16	15	17	20	21	31	33	27	31
8	18	14	16	16	15	16	23	20	31	32	27	30
9	16	14	16	16	15	16	21	20	35	31	26	31
10	15	14	16	15	14	16	20	22	49	31	26	30
11	14	14	16	15	15	16	19	36	36	31	81	30
12	13	14	16	16	15	16	19	27	32	30	63	29
13	13	14	16	17	14	16	19	24	37	30	47	30
14	13	15	18	16	17	16	19	23	34	30	e41	31
15	13	14	17	17	17	16	20	22	34	29	e38	35
16	13	14	17	17	17	16	26	38	38	29	e35	33
17	13	15	16	16	16	16	22	56	38	47	e34	37
18	13	15	16	16	15	16	21	37	35	37	e35	33
19	13	14	16	16	15	17	20	34	32	33	e35	35
20	13	24	16	16	15	16	20	33	31	32	e34	34
21	13	24	18	15	22	19	19	34	31	32	e33	32
22	19	19	18	15	22	17	20	34	34	32	e33	31
23	16	17	18	15	19	16	19	34	32	30	e33	31
24	14	17	19	15	17	21	19	39	32	30	e32	31
25	14	17	18	15	17	27	19	37	31	29	e31	30
26	14	17	17	15	16	21	19	34	31	29	30	40
27	13	17	17	16	17	19	19	35	30	29	30	36
28	13	24	17	15	16	18	19	33	31	29	31	33
29	13	20	17	15	---	18	20	32	31	28	33	31
30	13	18	17	16	---	18	25	32	30	28	35	31
31	13	---	17	16	---	22	---	31	---	28	32	---
TOTAL	428	505	523	488	454	539	606	921	989	972	1067	960
MEAN	13.8	16.8	16.9	15.7	16.2	17.4	20.2	29.7	33.0	31.4	34.4	32.0
MAX	19	24	19	17	22	27	26	56	49	47	81	40
MIN	13	14	16	15	14	16	19	20	30	28	26	29

CAL YR 1988 TOTAL 6072 MEAN 16.6 MAX 31 MIN 12
WTR YR 1989 TOTAL 8452 MEAN 23.2 MAX 81 MIN 13

e Estimated

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
12...	1300	13	118	6.43	13.0	--	761	10.3	98	--	--
NOV											
30...	1045	18	118	6.12	7.5	1.2	764	11.9	99	K3	57
DEC											
*13...	--	16	135	6.70	4.0	--	--	10.4	--	--	--
MAR											
16...	1600	16	121	5.53	12.0	1.4	768	12.8	118	--	--
APR											
*18...	--	21	116	6.50	17.0	--	--	10.8	--	--	--
26...	1415	19	58	6.96	17.0	--	657	14.5	174	--	--
JUN											
*27...	1300	30	118	5.80	22.0	--	--	8.1	--	--	--
29...	1400	30	122	5.98	22.0	0.70	762	9.0	103	--	--
SEP											
06...	1215	32	132	6.03	17.0	0.60	770	11.6	119	K18	--

DATE	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT											
12...	33	7.9	3.3	11	1.2	--	16	15	15	0.10	--
NOV											
30...	32	7.7	3.0	10	1.2	18	15	16	15	0.10	12
DEC											
*13...	37	9.2	3.4	12	1.1	--	--	14	20	--	--
MAR											
16...	35	8.4	3.3	11	1.1	20	17	15	16	0.10	12
APR											
*18...	30	7.3	2.8	10	1.0	14	--	13	17	--	--
26...	34	8.2	3.2	11	1.1	--	17	14	16	0.10	--
JUN											
*27...	31	7.6	3.0	12	0.90	13	--	10	18	--	--
29...	31	7.6	2.9	10	1.0	15	16	13	15	0.10	8.3
SEP											
06...	32	7.8	3.0	11	1.0	13	16	13	15	<0.10	9.4

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

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
12...	--	63	--	--	--	--	--	--	--	--	--
NOV											
30...	71	82	--	--	--	<0.010	1.30	0.010	0.40	--	<0.010
DEC											
*13...	--	--	1.40	--	0.003	--	--	--	--	--	<0.020
MAR											
16...	82	86	--	1.59	--	0.010	1.60	0.030	0.20	--	0.050
APR											
*18...	--	60	1.00	--	0.005	--	--	--	<0.05	<0.05	<0.020
26...	--	64	--	--	--	--	--	--	--	--	--
JUN											
*27...	--	60	0.910	--	0.006	--	--	--	<0.05	<0.05	0.030
29...	73	72	--	0.990	--	0.010	1.00	0.030	0.30	--	0.020
SEP											
06...	65	73	--	1.09	--	0.010	1.10	0.020	0.40	--	0.010

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
OCT											
12...	--	--	--	--	--	<10	--	--	--	1	--
NOV											
30...	--	0.010	<0.010	--	<0.010	--	<1	20	<0.5	--	<1
DEC											
*13...	--	--	--	<0.010	--	--	--	--	--	--	--
MAR											
16...	0.15	0.020	0.010	--	0.010	40	<1	15	<0.5	<1	1
APR											
*18...	--	0.031	0.033	<0.005	--	--	--	--	--	--	--
26...	--	--	--	--	--	40	--	--	--	<1	--
JUN											
*27...	--	0.050	<0.010	0.008	--	--	--	--	--	--	--
29...	0.28	0.010	0.010	--	<0.010	40	<1	22	<0.5	<1	<1
SEP											
06...	0.39	0.020	0.030	--	0.020	<10	<1	20	<0.5	3	4

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
OCT											
12...	--	--	3	--	270	--	<5	--	--	70	--
NOV											
30...	<4	<3	--	1	--	180	--	<5	1	--	71
DEC											
*13...	--	--	--	--	300	200	--	--	--	80	90
MAR											
16...	<4	<3	2	1	510	160	<5	<5	1	80	74
APR											
*18...	--	--	--	--	400	300	--	--	--	70	60
26...	--	--	5	--	490	--	2	--	--	70	--
JUN											
*27...	--	--	--	--	360	240	--	--	--	60	50
29...	<4	<3	2	1	260	200	2	1	1	60	54
SEP											
06...	<4	<3	4	<1	230	150	1	<1	<1	50	38

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT											
12...	--	--	2	--	--	--	--	--	10	--	--
NOV											
30...	<0.1	<10	--	16	<1	1.0	36	<6	--	8	--
DEC											
*13...	--	--	--	--	--	--	--	--	--	--	<0.02
MAR											
16...	<0.1	<10	5	2	<1	<1.0	40	<6	<10	11	--
APR											
*18...	--	--	--	--	--	--	--	--	--	--	<0.02
26...	--	--	6	--	--	--	--	--	20	--	--
JUN											
*27...	--	--	--	--	--	--	--	--	--	--	<0.02
29...	<0.1	<10	6	<1	<1	<1.0	38	<6	<10	41	--
SEP											
06...	<0.1	<10	1	<1	<1	<1.0	39	<6	<10	17	--

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
30...	1045	18	0	0.0	100
MAR					
16...	1600	16	5	0.22	81
JUN					
29...	1400	30	1	0.08	86
SEP					
06...	1215	32	3	0.26	--

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 good except those for August to September, which are poor. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--43 years, 12.5 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft^3/s June 5, 1982, gage height, 2.18 ft; 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, 49 ft^3/s Aug. 11, gage height, 1.98 ft; minimum, 0.46 ft^3/s Jan. 5, gage height, 0.13 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	15	9.0	9.4	8.7	9.4	13	14	13	14	12	14
2	7.1	10	8.8	9.0	9.1	9.4	11	17	12	14	12	15
3	7.2	7.1	8.6	9.8	9.1	9.4	12	13	12	13	12	14
4	7.7	6.6	8.9	9.5	8.6	9.4	12	13	14	13	13	15
5	7.2	6.7	9.4	9.0	8.5	9.6	12	13	13	19	12	15
6	6.8	6.6	9.0	9.7	8.5	10	13	13	14	18	12	15
7	8.7	6.3	9.4	9.8	8.7	9.5	12	13	16	14	13	15
8	11	6.6	9.2	10	8.9	9.4	15	12	13	14	12	15
9	6.9	6.6	9.0	9.7	8.7	9.4	13	12	20	13	11	15
10	6.6	6.4	9.0	9.4	8.7	9.4	12	18	29	13	11	16
11	6.5	6.5	9.0	9.4	8.5	9.5	12	24	15	13	35	16
12	6.6	6.2	9.0	10	8.9	9.8	12	14	13	13	23	15
13	6.4	7.6	9.3	9.8	9.0	9.4	12	13	20	14	18	15
14	6.6	7.3	9.5	9.0	9.9	9.4	12	12	15	13	16	18
15	6.4	6.9	9.4	9.9	9.5	9.8	15	12	16	11	16	19
16	6.4	6.9	9.2	9.5	9.4	9.8	18	24	18	13	16	16
17	6.4	8.1	9.3	9.4	9.0	9.8	13	29	17	26	15	18
18	6.5	7.3	8.9	9.3	9.0	10	12	17	16	15	15	15
19	6.6	7.0	9.0	9.0	8.7	10	13	16	14	14	16	16
20	6.6	19	9.0	8.7	8.6	10	12	15	14	14	16	14
21	9.3	11	10	8.5	16	13	12	16	14	14	17	14
22	20	8.7	9.8	8.5	12	11	12	15	14	12	17	13
23	7.6	8.5	10	8.3	10	10	12	16	16	12	16	13
24	6.5	8.1	10	8.2	9.6	17	12	19	15	14	17	13
25	6.4	8.1	9.8	8.5	9.5	16	12	17	17	14	17	12
26	6.1	8.1	9.7	8.7	9.6	11	11	15	18	13	17	21
27	5.8	9.0	9.6	8.9	9.9	11	14	16	16	12	17	16
28	5.6	16	9.6	8.5	9.6	11	12	14	15	14	16	14
29	5.6	9.9	9.5	8.9	---	11	13	13	15	12	19	14
30	5.5	9.3	9.4	10	---	12	16	13	15	12	16	15
31	5.6	---	9.5	9.3	---	15	---	13	---	12	14	---
TOTAL	225.0	257.4	288.8	285.6	264.2	330.4	382	481	469	432	489	456
MEAN	7.26	8.58	9.32	9.21	9.44	10.7	12.7	15.5	15.6	13.9	15.8	15.2
MAX	20	19	10	10	16	17	18	29	29	26	35	21
MIN	5.5	6.2	8.6	8.2	8.5	9.4	11	12	12	11	11	12

CAL YR 1988 TOTAL 3370.1 MEAN 9.21 MAX 20 MIN 5.5
WTR YR 1989 TOTAL 4360.4 MEAN 11.9 MAX 35 MIN 5.5

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC 13...	1130	9.0	110	6.70	3.0	12.5	8.2	2.2	12
APR 18...	1325	12	114	6.40	14.0	10.9	7.0	2.1	11
JUN 27...	1130	14	124	6.30	19.5	9.0	7.4	2.4	12

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 13...	1.5	--	11	16	2.00	0.012	0.180	--
APR 18...	1.4	--	10	17	1.80	0.012	0.020	<0.05
JUN 27...	1.7	13	11	18	1.80	0.023	0.040	<0.05

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 13...	--	--	--	0.011	110	<50	100	<0.02
APR 18...	<0.05	--	0.030	0.007	200	150	220	<0.02
JUN 27...	<0.05	<0.010	<0.010	0.008	150	100	150	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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC												
13...	--	176	6.40	2.0	11.7	17	3.6	17	3.0	--	13	26
APR												
18...	1210	170	6.00	13.0	9.8	9.7	3.2	17	3.4	21	12	26
JUN												
27...	1000	180	6.90	24.5	8.7	10	3.7	19	4.0	30	10	28

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC												
13...	2.40	0.055	0.610	--	--	--	--	<0.010	470	310	360	<0.02
APR												
18...	2.40	0.027	0.400	0.30	0.20	0.064	0.047	0.009	560	380	220	0.03
JUN												
27...	2.20	0.127	0.610	<0.05	<0.05	0.039	<0.010	0.006	700	500	370	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.--10 years, 5.82 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, 27 ft^3/s May 17, gage height 1.20 ft, from floodmark; minimum 0.70 ft^3/s Oct. 1-3,6,7, gage height 0.16 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	2.8	2.8	2.2	2.1	3.3	4.8	5.2	9.1	8.2	9.9	9.5
2	.74	2.0	2.8	2.1	2.1	3.2	4.5	7.0	8.8	8.0	10	9.5
3	.76	1.6	2.7	2.1	2.2	3.2	4.7	5.9	8.4	7.7	9.7	9.2
4	.78	1.5	2.6	2.1	2.1	3.1	4.6	5.5	8.8	7.6	9.5	8.8
5	.78	1.7	2.6	2.0	2.0	3.1	4.5	5.4	7.3	12	9.3	8.6
6	.74	1.6	2.5	2.0	2.0	3.2	4.8	5.7	7.9	13	8.9	8.5
7	.83	1.5	2.5	2.0	2.0	3.0	4.7	5.3	9.3	10	8.5	8.5
8	1.1	1.4	2.4	2.1	2.0	3.0	6.0	5.2	9.1	10	8.4	8.4
9	.88	1.4	2.3	2.0	2.0	3.0	5.3	4.8	12	9.3	8.1	8.3
10	.81	1.4	2.3	2.0	1.9	2.9	5.1	e5.0	20	9.1	8.0	8.3
11	.78	1.2	2.3	1.9	1.9	2.9	4.9	e10	14	9.1	17	7.9
12	.78	1.2	2.2	2.3	2.0	2.9	4.8	e8.0	13	8.5	15	7.8
13	.78	1.4	2.3	2.3	1.9	2.8	4.8	e7.0	15	8.6	13	7.7
14	.87	1.3	2.3	2.1	2.3	2.8	4.8	e6.0	13	8.7	11	8.0
15	.90	1.3	2.3	2.5	2.2	2.8	5.5	e5.0	14	8.0	11	8.3
16	.88	1.2	2.2	2.3	2.2	2.8	6.5	e15	17	8.4	11	7.9
17	.87	1.7	2.2	2.3	2.1	2.7	5.4	e20	15	14	11	11
18	.81	1.4	2.1	2.3	2.0	2.9	5.2	16	14	10	10	9.2
19	.84	1.4	2.0	2.3	2.0	2.8	5.0	13	13	11	10	9.8
20	.82	4.7	2.1	2.3	2.0	2.7	4.9	12	12	12	10	10
21	.94	3.6	2.5	2.2	4.7	3.6	4.8	12	12	12	11	9.5
22	2.2	2.9	2.4	2.2	4.2	3.1	4.8	11	11	12	12	9.2
23	1.2	2.8	2.6	2.1	3.8	3.0	4.8	11	11	11	10	9.4
24	1.1	2.6	2.7	2.1	3.6	5.0	4.7	12	11	11	9.8	9.0
25	1.1	2.5	2.7	2.1	3.5	5.5	4.7	12	10	11	9.5	8.6
26	1.1	2.3	2.5	2.2	3.4	4.6	4.7	10	9.8	11	9.2	12
27	1.0	2.5	2.5	2.2	3.3	4.4	4.5	10	9.4	11	9.0	11
28	.95	4.4	2.5	2.0	3.3	4.2	4.5	10	9.2	11	8.7	10
29	.95	3.1	2.5	2.0	---	4.0	4.6	9.3	9.0	10	11	9.8
30	.91	2.9	2.3	2.4	---	4.0	5.2	9.3	8.4	10	12	9.5
31	.86	---	2.3	2.2	---	5.2	---	9.4	---	10	10	---
TOTAL	28.76	63.3	75.0	66.9	70.8	105.7	148.1	283.0	341.5	313.2	321.5	273.2
MEAN	.93	2.11	2.42	2.16	2.53	3.41	4.94	9.13	11.4	10.1	10.4	9.11
MAX	2.2	4.7	2.8	2.5	4.7	5.5	6.5	20	20	14	17	12
MIN	.70	1.2	2.0	1.9	1.9	2.7	4.5	4.8	7.3	7.6	8.0	7.7

CAL YR 1988 TOTAL 858.32 MEAN 2.35 MAX 7.6 MIN .41
WTR YR 1989 TOTAL 2090.96 MEAN 5.73 MAX 20 MIN .70

e Estimated

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 18 mi^2.

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 27.1 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, 103 ft^3/s June 10, gage height 2.57 ft, maximum gage height, 2.59 ft May 17 (backwater from debris); minimum discharge, 11 ft^3/s Oct. 1, 2, gage height, 1.79 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	21	26	21	20	22	30	26	36	35	27	31
2	12	22	25	21	19	21	26	30	35	35	27	31
3	12	18	24	20	18	21	27	27	35	35	26	30
4	12	17	23	20	18	21	27	26	35	35	26	29
5	12	17	23	19	18	21	25	26	35	41	26	29
6	12	18	22	19	18	22	27	27	35	49	25	28
7	12	16	22	19	18	21	25	26	36	46	25	28
8	13	16	21	20	17	21	31	26	35	44	25	28
9	13	16	21	20	17	21	29	26	40	43	25	28
10	13	15	21	19	17	21	28	28	84	41	24	28
11	13	15	20	19	17	21	26	41	60	38	50	28
12	13	15	20	21	17	21	25	33	46	35	46	28
13	13	15	21	21	17	21	24	31	48	35	38	27
14	12	16	20	20	19	21	23	29	44	35	36	26
15	13	15	20	23	18	20	25	28	46	34	34	27
16	12	15	20	21	19	20	33	59	57	34	33	27
17	12	17	20	21	18	20	28	83	47	41	32	34
18	12	17	20	22	18	e21	26	54	45	39	32	31
19	12	16	19	22	18	e20	27	48	42	38	32	33
20	12	34	19	22	17	e20	26	41	40	38	33	33
21	13	37	22	22	29	e30	26	39	40	38	36	32
22	21	29	23	22	32	27	26	37	40	37	47	29
23	15	27	23	22	27	24	26	37	39	36	33	29
24	14	25	25	21	25	27	26	40	39	33	30	29
25	14	23	25	21	25	38	26	39	39	31	28	29
26	14	22	23	21	24	30	26	38	37	31	28	36
27	13	23	23	21	23	27	25	39	36	29	27	34
28	13	38	23	20	23	26	24	37	36	28	26	31
29	13	30	22	20	---	25	24	36	36	27	34	31
30	13	27	22	22	---	24	27	36	35	27	37	30
31	13	---	21	20	---	28	---	36	---	27	32	---
TOTAL	403	632	679	642	566	723	794	1129	1258	1115	980	894
MEAN	13.0	21.1	21.9	20.7	20.2	23.3	26.5	36.4	41.9	36.0	31.6	29.8
MAX	21	38	26	23	32	38	33	83	84	49	50	36
MIN	12	15	19	19	17	20	23	26	35	27	24	26

CAL YR 1988 TOTAL 6354 MEAN 17.4 MAX 38 MIN 11
WTR YR 1989 TOTAL 9815 MEAN 26.9 MAX 84 MIN 12

e Estimated

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

LOCATION.--Lat 40°44'51", long 73°09'03", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from bridge on State Highway 27, 1.0 mi west of Oakdale. Water-quality sampling 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 except those for October, which are poor. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--46 years, 38.2 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, 126 ft^3/s May 17; minimum daily, 18 ft^3/s Oct. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e19	25	38	31	32	35	48	43	48	48	41	45
2	e20	43	e36	32	30	33	41	54	48	47	41	45
3	e21	32	e36	32	32	33	41	43	46	47	41	43
4	e23	29	e35	32	30	33	40	44	48	46	41	42
5	e25	31	e33	30	30	33	40	44	47	57	41	42
6	e23	34	e33	31	30	34	42	46	50	69	40	42
7	e23	31	34	31	30	33	40	44	56	56	43	42
8	e26	28	33	33	30	32	48	42	54	58	41	42
9	e26	28	32	32	29	32	48	39	57	51	38	42
10	e25	28	32	31	29	32	40	45	104	50	37	41
11	23	27	32	30	29	32	41	73	73	49	71	41
12	20	26	31	32	29	32	42	55	63	47	69	41
13	e18	28	33	34	28	32	38	48	72	47	54	41
14	e22	28	34	31	32	32	38	46	67	48	49	43
15	e22	26	34	34	32	32	40	45	67	e45	47	46
16	e22	26	31	34	33	30	54	82	85	e43	46	44
17	e22	31	31	33	30	30	48	126	73	e59	45	55
18	e23	29	31	33	29	31	39	82	66	e51	43	48
19	e23	27	30	33	30	31	38	69	61	e48	44	50
20	e20	50	30	32	30	30	39	62	58	e45	44	50
21	e22	54	33	31	48	36	39	59	56	e46	46	47
22	e40	42	34	31	e54	34	38	57	56	e44	61	47
23	e31	39	35	31	44	32	37	54	55	e44	50	47
24	e27	36	38	31	40	38	37	58	53	e44	46	42
25	e26	36	36	30	38	59	36	59	53	e44	43	41
26	e23	35	34	31	38	44	36	56	54	e44	42	55
27	e21	36	33	32	37	40	36	55	53	e43	42	53
28	e23	53	34	30	35	38	36	52	52	43	42	47
29	e23	43	34	30	---	38	37	50	49	42	56	45
30	e22	39	32	33	---	36	43	50	48	42	56	44
31	e19	---	32	33	---	45	---	49	---	42	47	---
TOTAL	723	1020	1034	984	938	1082	1220	1731	1772	1489	1447	1353
MEAN	23.3	34.0	33.4	31.7	33.5	34.9	40.7	55.8	59.1	48.0	46.7	45.1
MAX	40	54	38	34	54	59	54	126	104	69	71	55
MIN	18	25	30	30	28	30	36	39	46	42	37	41

CAL YR 1988 TOTAL 10331 MEAN 28.2 MAX 55 MIN 18
WTR YR 1989 TOTAL 14793 MEAN 40.5 MAX 126 MIN 18

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 10...	1030	13	104	7.20	4.0	12.6	7.0	3.1	9.3
APR 18...	0930	24	103	5.80	12.5	10.4	5.9	2.6	9.2

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
JAN 10...	1.6	--	11	13	1.90	0.013	0.090	--
APR 18...	1.2	10	8.5	14	1.60	0.007	<0.020	<0.05

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JAN 10...	--	--	--	0.012	160	130	70	<0.02
APR 18...	<0.05	--	0.049	0.008	230	180	60	<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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN 10...	1230	272	7.20	7.5	7.0	14	4.0	33	2.5	--	18	49
APR 17...	1435	236	5.60	14.5	9.7	13	3.6	25	2.1	--	19	42
JUN 26...	1425	265	5.80	18.0	7.2	14	4.0	32	2.4	23	20	46

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JAN 10...	2.60	0.015	0.520	--	--	--	--	0.005	460	280	580	0.02
APR 17...	3.00	0.018	0.550	<0.05	<0.05	0.057	0.038	0.007	360	270	460	0.03
JUN 26...	3.40	0.035	0.350	<0.05	<0.05	0.054	0.033	0.016	500	340	470	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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN 05...	1430	294	5.70	6.0	9.6	16	4.0	34	3.1	--	24	47
APR 17...	1320	279	5.80	14.0	9.9	16	3.7	32	2.6	25	24	50
JUN 26...	1310	291	5.90	16.5	6.5	16	3.7	38	2.7	25	24	51

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JAN 05...	3.60	0.011	0.670	--	--	--	--	<0.005	900	400	1200	<0.02
APR 17...	3.40	0.018	0.610	<0.05	<0.05	0.047	0.036	0.006	420	280	1000	0.03
JUN 26...	3.40	0.041	0.600	0.20	<0.05	0.045	0.033	0.010	800	410	1300	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 April to June, 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.--45 years, 9.68 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft^3/s May 16, 1989, gage height, 2.67 from rating curve extended above 120 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 (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 22	0145	89	1.52	July 5	1600	132	2.12
Nov. 20	1115	91	1.57	Aug. 11	1100	95	1.58
May 16	1300	*165	*2.67	Aug. 29	0600	156	2.35
June 10	0045	143	2.25				

Minimum discharge, 2.7 ft^3/s Oct. 16, 19-21, 27, 30, 31; minimum gage height, 0.19 ft Oct. 16, 19-21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	24	7.6	6.9	6.8	8.4	13	13	17	19	14	19
2	3.7	6.0	7.1	7.1	6.5	8.0	11	19	15	19	14	19
3	3.6	4.1	6.9	6.9	7.6	8.0	12	11	14	19	14	18
4	3.5	4.1	6.5	6.6	6.5	8.1	11	9.0	19	18	14	17
5	3.1	6.8	6.3	6.2	6.4	8.1	11	10	15	57	13	17
6	3.0	4.8	6.1	6.4	6.6	8.8	13	12	24	40	13	16
7	5.0	4.1	6.1	6.4	6.4	7.9	13	9.8	22	27	15	16
8	7.2	3.9	6.0	8.1	6.4	7.9	24	8.4	19	26	13	16
9	3.6	3.8	6.4	6.7	6.2	7.8	15	7.7	30	22	12	15
10	3.5	3.9	6.4	6.4	6.1	7.6	12	22	61	22	12	15
11	3.3	3.8	6.2	6.5	6.3	8.3	12	27	25	20	53	14
12	3.1	3.5	6.1	10	6.0	7.3	12	14	20	18	36	15
13	2.9	6.1	6.6	7.4	5.8	7.6	13	9.7	39	19	34	15
14	2.9	4.1	6.5	6.8	9.1	7.4	11	8.5	25	18	22	21
15	2.9	3.8	7.1	11	7.8	7.4	20	8.6	34	17	20	17
16	2.9	3.9	6.4	7.8	7.6	6.9	22	78	35	21	19	15
17	2.9	9.2	6.5	8.8	6.5	7.4	14	64	30	36	19	27
18	3.0	4.5	6.2	7.9	6.4	7.7	11	25	32	22	18	16
19	3.0	4.1	6.1	7.8	6.4	7.2	11	21	24	19	17	23
20	2.9	32	6.6	7.6	6.2	7.1	11	21	22	19	16	17
21	5.8	9.4	9.2	6.7	31	13	11	20	25	18	16	14
22	23	7.4	6.9	6.8	16	7.6	11	20	22	17	18	12
23	3.5	7.1	11	6.8	11	7.4	11	23	21	17	18	13
24	3.4	6.7	9.0	6.8	9.8	29	11	34	21	16	16	11
25	3.2	6.4	8.1	6.5	9.2	17	11	26	20	16	15	10
26	3.1	6.1	7.4	7.1	9.2	11	11	22	20	16	15	26
27	2.9	8.6	7.3	7.0	9.0	10	10	24	20	16	14	16
28	3.1	23	8.6	6.6	8.7	9.6	9.7	20	20	17	14	14
29	2.9	9.0	7.2	6.8	---	9.2	10	18	19	15	73	13
30	2.9	8.3	7.2	11	---	9.9	13	18	19	15	29	12
31	2.8	---	7.1	7.1	---	21	---	17	---	14	21	---
TOTAL	126.1	232.5	218.7	228.5	237.5	299.6	380.7	640.7	729	655	637	489
MEAN	4.07	7.75	7.05	7.37	8.48	9.66	12.7	20.7	24.3	21.1	20.5	16.3
MAX	23	32	11	11	31	29	24	78	61	57	73	27
MIN	2.8	3.5	6.0	6.2	5.8	6.9	9.7	7.7	14	14	12	10

CAL YR 1988 TOTAL 2156.2 MEAN 5.89 MAX 32 MIN 2.4
WTR YR 1989 TOTAL 4874.3 MEAN 13.4 MAX 78 MIN 2.8

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 05...	1330	6.4	236	5.80	5.0	10.6	13	3.2	23
APR 17...	1205	13	196	5.70	12.0	10.8	14	3.0	19
JUN 26...	1215	20	222	5.90	19.0	5.8	16	3.6	21

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
JAN 05...	3.3	--	27	31	2.30	0.011	1.80	--
APR 17...	2.7	26	25	30	2.10	0.021	1.10	0.60
JUN 26...	3.1	32	25	28	2.20	0.092	0.940	0.30

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JAN 05...	--	--	--	0.005	1000	800	1300	0.04
APR 17...	0.20	0.071	0.049	0.010	1200	1100	920	0.05
JUN 26...	0.20	0.056	<0.010	0.015	1400	760	1100	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.--No estimated daily discharges. Records good. Occasional regulation at outlet of Southards Pond.

AVERAGE DISCHARGE.--45 years, 26.4 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft^3/s Jan. 21, 1979, gage height, 2.26 ft; 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, 241 ft^3/s May 16, gage height, 2.25 ft; minimum, 9.0 ft^3/s Oct. 20, 21, gage height, 0.43 ft..

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	32	27	18	18	21	43	29	37	32	27	36
2	11	41	25	18	17	21	29	55	36	31	26	35
3	12	21	24	17	18	20	32	37	34	31	25	32
4	12	17	22	17	17	19	32	30	40	30	24	30
5	11	20	22	15	16	20	29	29	35	84	24	30
6	10	26	22	16	16	22	34	36	47	86	23	29
7	11	18	21	16	16	20	30	29	49	49	26	28
8	24	16	21	20	16	18	58	27	40	50	27	28
9	15	16	20	21	15	18	37	25	54	40	23	27
10	13	15	20	18	14	19	33	40	137	38	23	26
11	12	15	19	17	14	19	29	94	61	41	103	26
12	11	14	18	22	15	19	28	45	50	34	86	25
13	11	18	19	24	14	18	28	37	80	34	72	24
14	10	19	20	19	22	18	27	34	55	33	46	31
15	10	16	20	27	20	18	32	32	59	31	41	38
16	10	15	19	21	21	17	57	136	76	33	38	28
17	10	25	18	19	17	17	35	186	64	82	40	59
18	10	22	18	19	16	18	31	92	69	43	34	32
19	9.8	17	17	19	16	21	30	71	53	37	32	48
20	9.1	70	18	18	16	17	28	61	48	37	31	45
21	10	63	23	17	52	30	27	55	48	36	30	39
22	54	33	22	16	53	21	26	51	45	34	33	35
23	22	28	25	17	30	19	25	49	43	32	29	35
24	16	25	28	17	26	40	25	72	41	30	28	33
25	14	23	25	16	23	74	24	56	39	29	26	29
26	13	22	20	16	23	35	24	46	38	29	25	59
27	13	26	19	18	24	29	23	50	38	28	25	39
28	13	64	21	16	22	28	23	46	37	31	25	33
29	13	35	21	16	---	27	23	40	35	30	126	31
30	12	29	19	22	---	26	35	39	33	29	71	30
31	11	---	18	21	---	45	---	38	---	29	41	---
TOTAL	422.9	801	651	573	587	754	937	1667	1521	1213	1230	1020
MEAN	13.6	26.7	21.0	18.5	21.0	24.3	31.2	53.8	50.7	39.1	39.7	34.0
MAX	54	70	28	27	53	74	58	186	137	86	126	59
MIN	9.1	14	17	15	14	17	23	25	33	28	23	24

CAL YR 1988 TOTAL 6875.6 MEAN 18.8 MAX 74 MIN 7.6
WTR YR 1989 TOTAL 11376.9 MEAN 31.2 MAX 186 MIN 9.1

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 05...	1230	15	203	6.00	0.0	15.2	20	3.6	25
APR 17...	1050	34	174	6.00	11.0	9.4	11	2.5	19

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
JAN 05...	3.8	--	28	31	2.60	0.018	1.70	--
APR 17...	2.5	19	23	26	2.00	0.020	1.10	0.60

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JAN 05...	--	--	--	0.007	400	300	1000	0.05
APR 17...	0.50	0.059	0.041	0.006	610	400	900	0.04

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

LOCATION.--Lat 40°41'30", long 73°21'20", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream 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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN 05...	1130	307	6.60	3.0	13.7	21	4.7	34	9.0	--	33	46
APR 17...	0940	294	6.30	10.0	9.0	25	4.2	31	4.5	62	30	45
JUN 26...	0930	400	6.80	17.0	6.2	27	5.8	44	8.3	100	25	62

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JAN 05...	1.30	0.009	2.70	--	--	--	--	0.006	1100	1100	2400	0.04
APR 17...	0.810	0.020	1.70	0.80	0.80	0.062	0.034	0.010	1800	450	1700	0.05
JUN 26...	0.930	0.090	4.20	2.3	2.3	0.033	0.032	0.010	1200	580	3600	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 fair.

AVERAGE DISCHARGE.--52 years (1937-89), 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 250 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)
Mar. 24	2045	152	1.85	July 5		unknown	unknown
May 2	0900	114	1.52	July 17	0215	131	1.58
May 10	2345	114	1.52	Aug. 11	1345	162	1.68
May 16	1315	197	1.78	Aug. 12	0430	*224	*1.85

Minimum discharge, 1.0 ft^3/s Jan. 21, gage height, 0.60 ft (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	15	4.3	2.6	2.6	3.5	9.4	9.0	8.2	8.6	6.9	7.3
2	1.6	4.5	4.0	2.6	2.6	3.3	5.7	37	8.1	8.4	6.6	7.1
3	1.7	2.4	4.0	2.6	3.1	3.3	7.6	9.0	7.5	8.1	7.0	6.4
4	1.6	2.1	3.8	2.6	2.6	3.3	6.9	7.0	9.8	8.0	6.4	6.0
5	1.5	5.1	3.7	2.6	2.6	3.3	6.0	7.8	7.2	e50	6.0	5.7
6	1.4	4.2	3.7	2.6	2.6	4.2	8.2	11	10	e15	5.7	5.7
7	2.3	2.4	3.7	2.6	2.4	3.4	6.9	6.6	14	11	7.8	5.5
8	4.0	2.0	3.7	4.6	2.3	3.4	22	6.2	11	11	6.1	5.5
9	1.8	2.0	3.2	3.8	2.3	3.4	7.9	5.5	12	9.8	5.8	5.3
10	1.7	2.0	3.0	2.9	2.3	3.3	6.6	28	e50	11	5.4	5.1
11	1.7	2.0	2.9	2.9	2.3	3.3	5.8	31	17	15	63	5.1
12	1.7	2.0	2.9	6.6	2.3	3.2	5.3	10	14	9.9	77	4.9
13	1.7	4.0	3.3	4.5	2.3	2.9	5.2	8.5	e25	11	22	4.8
14	1.8	2.6	3.0	3.0	4.6	3.4	4.8	7.8	15	9.2	16	e8.5
15	1.7	2.0	3.3	7.1	3.6	3.7	12	7.3	14	8.5	14	e8.0
16	1.8	2.0	3.0	3.9	3.8	3.5	16	87	15	12	16	5.7
17	2.1	7.0	2.9	3.7	2.6	3.6	7.2	63	e18	47	16	e20
18	2.3	2.9	2.9	3.1	2.4	4.1	6.5	19	e20	14	12	7.2
19	2.3	2.3	2.9	3.3	2.3	4.0	6.3	15	15	12	11	e20
20	2.6	44	2.9	2.9	2.3	3.0	5.7	13	14	14	9.1	10
21	4.3	16	5.1	3.0	14	7.1	5.5	12	13	11	9.1	9.4
22	16	4.8	3.7	2.7	11	3.6	5.3	11	12	9.8	8.6	7.4
23	2.1	3.9	6.3	2.9	5.7	3.3	5.2	11	12	9.3	8.1	7.4
24	1.7	3.5	5.4	2.6	4.3	32	5.4	19	12	8.8	7.7	7.5
25	1.6	3.3	4.4	2.6	4.0	17	4.9	13	11	8.5	7.2	6.3
26	1.7	3.0	3.7	2.7	3.9	6.8	5.6	10	10	8.2	7.0	e20
27	1.7	5.9	3.0	2.8	3.8	5.9	5.5	12	9.9	7.8	6.8	e10
28	1.5	19	4.0	2.6	3.7	5.5	5.3	10	9.6	9.6	6.6	7.9
29	1.5	5.8	3.6	2.6	---	5.2	5.6	9.0	9.4	7.3	23	7.1
30	1.5	4.7	2.9	6.0	---	5.8	11	8.7	8.9	7.1	13	6.6
31	1.5	---	2.8	3.2	---	19	---	8.4	---	7.2	8.4	---
TOTAL	73.9	182.4	112.0	104.2	104.3	180.3	221.3	512.8	412.6	388.1	425.3	243.4
MEAN	2.38	6.08	3.61	3.36	3.72	5.82	7.38	16.5	13.8	12.5	13.7	8.11
MAX	16	44	6.3	7.1	14	32	22	87	50	50	77	20
MIN	1.4	2.0	2.8	2.6	2.3	2.9	4.8	5.5	7.2	7.1	5.4	4.8

CAL YR 1988 TOTAL 1482.4 MEAN 4.05 MAX 44 MIN 1.2
WTR YR 1989 TOTAL 2960.6 MEAN 8.11 MAX 87 MIN 1.4

e Estimated

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
AUG 09...	0845	5.8	253	5.74	17.0	766	9.5	97	59	18

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
AUG 09...	3.4	24	3.5	25	30	36	<0.10	5.9	136	2.25

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
AUG 09...	0.050	0.120	0.28	2.7	0.010	0.010	140	90	0.09

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, which are fair. 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.--52 years (1937-89), 9.67 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, 56 ft^3/s May 16; minimum daily, 0.61 ft^3/s Oct.20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.73	9.8	2.8	1.9	2.0	2.9	5.4	6.5	6.7	6.6	4.5	4.0
2	.77	2.1	2.8	2.1	2.0	2.8	3.6	26	6.7	6.4	4.4	3.8
3	.83	1.5	2.7	2.2	2.2	2.8	4.7	6.8	5.8	6.2	4.5	3.4
4	.78	1.4	2.5	2.1	2.0	2.8	4.6	5.5	13	5.8	4.2	3.2
5	.80	3.2	2.7	2.0	2.0	2.9	4.2	6.5	6.3	48	3.9	3.2
6	.75	1.7	2.7	2.0	2.1	3.2	4.7	8.7	12	13	3.7	3.3
7	1.1	2.2	2.7	2.2	2.2	2.7	6.0	5.5	9.4	8.2	3.6	3.2
8	2.3	1.3	2.5	3.0	2.0	2.6	14	5.0	7.5	7.8	3.5	3.1
9	.94	1.2	2.5	2.6	1.8	2.6	4.3	4.9	27	6.9	3.4	2.9
10	.91	1.3	2.3	2.4	2.0	2.6	3.6	24	43	20	3.2	e2.8
11	.88	1.2	2.2	2.3	1.9	2.6	3.5	19	9.7	16	34	e2.6
12	.83	1.1	2.2	4.9	1.8	2.6	3.4	7.9	8.1	7.5	17	e2.6
13	.79	2.8	2.4	2.6	1.8	2.5	3.4	6.9	29	8.2	9.6	2.5
14	.77	1.6	2.2	2.4	2.8	2.6	3.3	6.3	10	6.7	6.5	5.5
15	.75	1.2	2.4	4.2	2.6	2.5	11	5.9	14	5.5	5.7	3.9
16	.71	1.2	2.2	2.4	2.2	2.3	9.2	56	15	13	8.3	5.3
17	.78	4.5	2.3	2.5	1.9	2.3	3.8	41	32	30	6.8	11
18	.74	1.8	2.1	2.3	2.0	3.9	3.6	15	24	8.0	4.9	3.6
19	.68	1.6	1.9	2.4	2.0	2.4	3.2	11	14	6.9	5.0	12
20	.61	27	2.0	2.4	1.8	2.6	3.1	11	18	10	4.8	6.2
21	3.3	5.7	3.0	2.4	19	5.1	3.1	9.8	18	7.0	4.6	5.2
22	13	4.4	2.1	2.0	5.7	2.7	3.0	10	13	7.3	4.4	4.3
23	1.5	3.0	4.6	2.2	4.0	2.7	3.0	9.3	12	6.2	4.2	5.2
24	2.0	3.2	2.9	2.0	3.8	27	3.0	18	9.0	6.6	4.0	3.9
25	1.1	2.7	2.5	1.9	3.3	10	2.8	10	8.2	5.5	3.7	3.8
26	1.1	2.4	2.2	2.2	3.4	3.9	2.8	8.3	8.2	5.7	3.4	15
27	.96	4.8	2.2	2.2	3.2	3.4	2.8	14	8.0	5.2	3.4	4.7
28	.96	10	3.0	1.9	2.8	3.3	2.6	8.8	7.7	6.3	3.5	4.2
29	.91	3.6	2.3	2.0	---	3.2	3.1	7.5	7.2	4.7	15	4.2
30	.97	3.2	2.3	4.0	---	3.9	6.6	7.1	6.8	4.7	6.2	3.8
31	1.1	---	2.0	2.1	---	15	---	6.9	---	4.6	4.1	---
TOTAL	44.35	112.7	77.2	75.8	86.3	134.4	135.4	389.1	409.3	304.5	198.0	142.4
MEAN	1.43	3.76	2.49	2.45	3.08	4.34	4.51	12.6	13.6	9.82	6.39	4.75
MAX	13	27	4.6	4.9	19	27	14	56	43	48	34	15
MIN	.61	1.1	1.9	1.9	1.8	2.3	2.6	4.9	5.8	4.6	3.2	2.5

CAL YR 1988 TOTAL 997.87 MEAN 2.73 MAX 30 MIN .41
WTR YR 1989 TOTAL 2109.45 MEAN 5.78 MAX 56 MIN .61

e Estimated

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
AUG 10...	0845	2.4	327	5.40	18.0	756	8.3	88	64	20

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
AUG 10...	3.4	35	2.9	32	28	50	<0.10	6.9	166	1.86

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
AUG 10...	0.040	0.100	0.30	2.3	0.010	0.030	570	320	0.06

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.--Records good except those below 5 ft^3/s, which are fair.

AVERAGE DISCHARGE.-- 52 years (1937-89), 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. 28, 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)
May 2	1015	422	2.35	June 13	0615	298	1.90
May 16	1330	273	1.81	July 5	1730	*549	*2.75
May 24	1300	344	2.08	July 17	0245	256	1.74
June 10	0215	506	2.62	Aug. 12	1515	449	2.44

Minimum discharge, 0.17 ft^3/s Oct. 12-21; minimum gage height, 0.08 ft, Oct. 17, 18, 20, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.39	20	e4.5	2.2	2.2	2.4	10	8.4	9.6	8.8	8.0	8.1
2	.42	5.2	e4.0	2.2	2.0	2.2	5.4	110	8.5	8.4	8.2	7.9
3	.96	2.6	e3.5	2.0	2.4	2.2	6.0	12	7.7	8.1	8.2	7.2
4	.63	2.0	e3.5	1.8	2.0	2.2	5.8	8.3	39	7.9	7.4	7.2
5	.42	18	e3.0	1.7	1.9	2.2	4.9	9.6	9.7	142	7.0	6.6
6	.30	11	e3.0	1.8	1.9	3.4	5.8	21	26	28	6.6	6.5
7	.42	3.2	e3.0	2.0	1.8	2.4	5.4	7.3	15	16	6.5	6.4
8	3.8	2.8	e2.6	3.0	1.7	2.3	25	6.2	23	15	7.6	6.2
9	.87	2.3	e2.4	2.3	1.7	2.2	6.6	5.7	49	11	6.6	6.0
10	.62	2.0	e2.2	1.9	1.7	2.2	5.2	41	117	28	6.4	5.8
11	.35	1.8	e2.2	1.8	1.7	2.2	4.7	38	18	32	83	5.6
12	.19	1.4	e2.2	4.4	1.7	2.2	4.6	9.5	13	11	125	5.3
13	.17	3.1	e2.5	3.1	1.7	2.2	4.3	7.3	70	13	52	5.2
14	.17	2.2	e2.4	2.4	3.3	2.2	4.2	6.4	17	11	21	17
15	.17	1.6	e2.5	4.8	2.7	2.2	10	5.7	e23	9.7	15	15
16	.17	1.4	e2.4	2.9	2.7	2.2	25	80	e24	18	17	9.0
17	.17	5.1	e2.2	2.6	2.0	2.2	6.1	91	31	85	17	37
18	.17	2.7	e2.2	2.4	1.9	3.6	5.3	16	28	16	12	8.3
19	.17	2.1	2.2	2.4	1.9	3.2	4.9	11	14	13	10	39
20	.17	81	2.2	2.3	1.7	2.5	4.7	9.7	12	14	10	16
21	1.7	23	3.5	2.0	26	5.6	4.7	9.0	15	12	9.6	14
22	33	6.0	2.6	1.9	7.3	3.2	4.5	8.6	12	11	9.2	9.0
23	2.7	4.8	4.3	1.9	4.1	2.8	4.3	12	24	9.9	8.9	11
24	1.8	4.2	3.6	1.9	3.2	39	4.1	116	13	9.6	8.2	8.2
25	1.4	3.8	3.0	1.9	2.9	21	3.9	20	11	9.2	7.8	7.3
26	1.2	3.4	2.5	2.0	2.7	5.9	3.9	13	11	9.1	7.6	34
27	1.1	6.0	2.4	2.2	2.8	4.6	4.0	33	11	8.9	7.2	9.8
28	.99	40	3.2	1.9	2.6	4.3	3.8	13	11	11	7.2	8.1
29	1.1	e6.0	2.8	1.9	---	4.0	4.0	9.8	9.9	8.2	39	7.6
30	.99	e5.0	2.2	5.4	---	4.8	12	9.2	9.3	7.9	19	7.6
31	.85	---	2.2	2.5	---	33	---	9.0	---	7.9	8.9	---
TOTAL	57.56	273.7	87.0	75.5	92.2	176.6	203.1	756.7	681.7	600.6	567.1	341.9
MEAN	1.86	9.12	2.81	2.44	3.29	5.70	6.77	24.4	22.7	19.4	18.3	11.4
MAX	33	81	4.5	5.4	26	39	25	116	117	142	125	39
MIN	.17	1.4	2.2	1.7	1.7	2.2	3.8	5.7	7.7	7.9	6.4	5.2

CAL YR 1988 TOTAL 1410.61 MEAN 3.85 MAX 81 MIN .00
WTR YR 1989 TOTAL 3913.66 MEAN 10.7 MAX 142 MIN .17

e Estimated

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JUL 26...	0830	9.6	461	6.43	22.0	765	7.0	80	70	20

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
JUL 26...	4.9	58	2.3	41	24	93	0.20	6.9	234	1.58

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUL 26...	0.020	0.110	0.39	2.1	0.020	<0.010	650	240	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.--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.--52 years (1937-89), 3.57 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 660 ft^3/s June 30, 1984, gage height, 5.11 ft; 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)
Nov. 20	1100	238	4.00	June 9	2330	*369	*4.36
May 2	0645	350	4.31	July 5	1330	334	4.27

No flow for all or part of many days during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	17	.03	.04	.11	.04	.21	6.2	1.2	.94	1.0	.88
2	.11	.05	.03	.04	.06	.04	.05	61	.81	.94	1.0	.85
3	.07	.03	.03	.05	.82	.04	1.3	.66	.76	.88	.88	.75
4	.06	.01	.02	.05	.40	.04	.69	.49	16	.88	.77	.70
5	.05	11	.02	.04	.13	.04	.12	4.7	.91	49	.73	.69
6	.04	.11	.02	.04	.10	.08	.26	5.7	11	2.7	.68	.64
7	.09	.03	.01	.04	.07	.07	1.4	.45	3.4	1.9	1.0	.64
8	2.4	.01	.01	.84	.05	.06	13	.39	3.4	1.8	.85	.63
9	.02	.00	.00	.07	.04	.05	.12	.39	41	1.3	.78	.59
10	.01	.00	.00	.04	.04	.05	.09	23	22	17	.59	.57
11	.00	.00	.00	.04	.04	.04	.09	3.7	1.7	3.4	34	.54
12	.00	.00	.00	.97	.03	.04	.09	.70	1.4	1.4	45	.50
13	.00	2.3	.00	.46	.03	.04	.13	.62	25	3.0	10	.46
14	.00	.05	.00	.19	.11	.04	.08	.59	1.6	1.1	2.1	8.0
15	.00	.03	.00	6.9	.09	.04	16	.55	6.5	1.3	1.6	2.1
16	.00	.02	.00	.24	.05	.04	2.7	28	6.3	14	4.8	4.2
17	.00	4.9	.00	e.19	.04	.03	.10	23	7.0	19	2.9	8.6
18	.00	.05	.00	e.17	.03	2.1	.10	1.1	2.8	2.2	1.5	.85
19	.00	.03	.00	e.15	.03	.11	.09	.97	1.4	1.9	1.6	13
20	.00	61	.03	.14	.03	.10	.09	.92	1.3	2.6	1.4	6.0
21	6.1	1.1	.21	.11	40	2.7	.09	.88	3.3	1.7	1.3	1.9
22	18	.04	.05	.07	.78	.08	.07	.83	1.3	1.4	1.2	1.1
23	.03	.03	1.9	.06	.09	.07	.08	9.4	10	1.4	1.1	1.1
24	.01	.02	.06	.06	.07	2.8	.08	25	1.6	1.4	.99	.70
25	.00	.01	.05	.05	.06	1.3	.07	1.2	1.3	1.2	.87	.68
26	.00	.00	.04	.05	.06	.06	.07	.96	1.3	1.1	.88	13
27	.00	5.3	.04	.11	.05	.06	.07	12	1.3	1.2	.86	1.1
28	.00	18	1.5	.06	.05	.05	.07	.99	1.2	1.4	.82	.95
29	.00	.06	.22	.05	---	.05	.24	.88	1.1	1.1	12	.94
30	.00	.04	.04	7.9	---	3.6	6.2	.88	1.0	1.1	2.0	.88
31	.00	---	.04	.65	---	17	---	.86	---	1.0	.95	---
TOTAL	26.99	121.22	4.35	19.87	43.46	30.86	43.75	217.01	178.88	141.24	136.15	73.54
MEAN	.87	4.04	.14	.64	1.55	1.00	1.46	7.00	5.96	4.56	4.39	2.45
MAX	18	61	1.9	7.9	40	17	16	61	41	49	45	13
MIN	.00	.00	.00	.04	.03	.03	.05	.39	.76	.88	.59	.46

CAL YR 1988 TOTAL 421.79 MEAN 1.15 MAX 61 MIN .00
WTR YR 1989 TOTAL 1037.32 MEAN 2.84 MAX 61 MIN .00

e Estimated

01311000 PINES BROOK AT MALVERNE, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JUL 24...	1300	1.2	360	6.62	17.5	769	7.5	77	88	26

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
JUL 24...	5.6	31	3.2	54	30	46	<0.10	8.2	182	--

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUL 24...	<0.010	0.050	0.35	2.7	0.010	0.010	200	60	0.07

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.--No estimated daily discharges. Records good except those above 140 ft^3/s, which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--35 years (1954-89), 2.12 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, 154 ft^3/s June 10, gage height, 2.93 ft, from rating curve extended above 130 ft^3/s; no flow for all or part of many days during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.92	.00	.00	.00	.00	1.9	1.7	.74	.65	.23	.38
2	.00	.21	.00	.00	.00	.00	.08	43	.62	.60	.09	.38
3	.00	.00	.00	.00	.00	.00	.02	1.6	.59	.60	.52	.25
4	.00	.00	.00	.00	.00	.00	.08	.43	11	.61	.38	.15
5	.00	.00	.00	.00	.00	.00	.02	1.6	1.1	34	.34	.23
6	.00	.06	.00	.00	.00	.00	.03	4.1	6.7	11	.28	.22
7	.00	.00	.00	.00	.00	.00	.05	.44	2.7	1.8	.32	.16
8	.00	.00	.00	.00	.00	.00	5.7	.28	1.7	1.2	.06	.15
9	.00	.00	.00	.00	.00	.00	.29	.23	16	.85	.08	.16
10	.00	.00	.00	.00	.00	.00	.07	12	37	3.3	.04	.99
11	.00	.00	.00	.00	.00	.00	.00	7.6	1.9	8.7	21	.14
12	.00	.00	.00	.00	.00	.00	.00	.52	1.1	1.3	54	.20
13	.00	.00	.00	.00	.00	.00	.00	.24	18	1.2	7.4	.14
14	.00	.00	.00	.00	.00	.00	.00	.18	2.1	1.0	2.3	4.2
15	.00	.00	.00	.00	.00	.00	2.5	.16	2.1	.81	1.2	4.0
16	.00	.00	.00	.00	.00	.00	6.1	17	5.1	2.2	1.5	.74
17	.00	.00	.00	.00	.00	.00	.24	21	3.5	18	3.7	7.4
18	.00	.00	.00	.00	.00	.00	.08	1.4	5.6	2.9	1.1	.66
19	.00	.00	.00	.00	.00	.00	.00	.54	1.5	1.2	.79	10
20	.00	24	.00	.00	.00	.00	.00	.37	1.1	1.1	.60	6.8
21	.23	6.0	.00	.00	3.9	.00	.00	.37	1.1	.79	.58	5.1
22	1.7	.20	.00	.00	1.0	.00	.00	.40	.98	.65	.53	.84
23	.00	.00	.00	.00	.00	.00	.00	5.1	5.0	.59	.54	.39
24	.00	.00	.00	.00	.00	10	.00	32	3.7	.54	.40	.27
25	.00	.00	.00	.00	.00	5.7	.00	2.5	1.3	.47	.26	.23
26	.00	.00	.00	.00	.00	.07	.00	.90	.97	.41	.27	6.5
27	.00	.02	.00	.00	.00	.00	.00	9.2	.81	.47	.25	.76
28	.00	12	.00	.00	.00	.00	.00	1.9	.75	.54	.27	.32
29	.00	.32	.00	.00	---	.00	.00	.66	.70	.34	2.4	.29
30	.00	.01	.00	.00	---	.00	1.6	.69	.74	.31	3.5	.29
31	.00	---	.00	.00	---	7.1	---	.63	---	.35	.48	---
TOTAL	1.93	43.74	0.00	0.00	4.90	22.87	18.76	168.74	136.20	98.48	105.41	52.34
MEAN	.062	1.46	.00	.00	.17	.74	.63	5.44	4.54	3.18	3.40	1.74
MAX	1.7	24	.00	.00	3.9	10	6.1	43	37	34	54	10
MIN	.00	.00	.00	.00	.00	.00	.00	.16	.59	.31	.04	.14

CAL YR 1988 TOTAL 166.87 MEAN .46 MAX 24 MIN .00
WTR YR 1989 TOTAL 653.37 MEAN 1.79 MAX 54 MIN .00

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site. Where "Drainage area" column is blank, drainage area was not available at time of publication.

Discharge measurements made at low-flow partial-record stations during water year 1989

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements 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.	--	1953-89	2- 1-89 6-23-89	1.1 1.4
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.	--	1953-89	2- 1-89 6-23-89	.39 .25
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.	--	1953-89	2- 1-89 6-23-89	.48 1.8
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.	--	1953-89	6-27-89	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.	--	1953-89	6-27-89	1.0
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft downstream from Fresh Pond outlet, 0.75 mi north of Fort Salonga.	--	1977-89	6-27-89	1.7
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	8-10-89	.34
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 1979-89	8-10-89	1.7
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.	--	1972-89	8-10-89	1.6

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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.	--	1953-89	8-10-89	2.6
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft downstream from dam at New Mill Road, 2 mi northwest of Hauppauge, and 0.5 mi upstream from gaging station near Smithtown.	--	1972-89	8-10-89	30.
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.	--	1974-89	8-10-89	46.
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.	--	1977-89	6-29-89	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.	--	1977-89	6-29-89	2.6
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.	--	1977-89	6-28-89	.48
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.	--	1977-89	6-28-89	.63
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	9-22-89	1.2
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.	--	1977-89	6- 5-89	.45
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 1951-89	9-22-89	15.
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.	--	1976-89	6-27-89	65.
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.	--	1952-89	6-27-89	4.8
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 1973-89	6-27-89	4.8

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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 1971-89	9-28-89	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.	--	1958-89	9-28-89	.66
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 1973-89	9-28-89	.68
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 1988-89	9-28-89	4.6
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.	--	1974-89	9-28-89	1.9
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 1974-89	9-28-89	2.4
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.	--	1974-89	6-30-89	1.7
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft upstream from culvert on Long Island Railroad, 200 ft south of State Highway 27A, 0.5 mi east of Eastport.	--	1953-69 1973-89	6-30-89	4.4
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.	--	1953-89	6-30-89	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 1974-89	6-30-89	3.7
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 1952-89	9-28-89	10.

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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.	--	1947-89	6-29-89	2.4
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.	--	1973-89	6-29-89	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.	--	1973-89	6-28-89	20.
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.	--	1973-89	6-28-89	97.
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 1971-89	6-29-89	6.8
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-89	6-26-89	18.
01306000c/	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	--	1946-69* 1970-73 1974-76* 1977-89	6-26-89	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.	--	1953-89	6-26-89	9.0
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft southeast of Smithtown Blvd., 0.2 mi west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79 1981-86 1988-89	9-28-89	1.7
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 1973-89	6- 5-89	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 1971-88	6-26-89	41.

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

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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 1974-89	6-29-89	7.4
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.	--	1948-89	6-29-89	2.9
01307500c/	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76* 1977-89	7-25-89	10.
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.	--	1958-89	7-25-89	4.5
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 1973-89	5-31-89	7.7
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 1971-89	5-31-89	11.
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 1969-89	5-31-89	18.
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 1987-89	5-31-89	43.
01309000c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	--	1947-69* 1970-89	7-25-89	5.0
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 1971-89	7-25-89	7.9

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

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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 1952-89	7-25-89	4.5
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 1971-89	7-25-89	1.3
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.	--	1953-89	7-25-89	3.8
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 1980-89	5- 1-89	0
01309478	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 1973-89	5- 1-89	.73
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 1973-89	5- 1-89	2.5
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.	--	1953-89	12- 7-88	1.7
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 1983-89	12- 7-88	2.7
01309970	Bellmore Creek tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mi north of North Wantagh, and 1.2 mi upstream from gaging station 01309990.	--	1973-89	12- 7-88 6- 1-89	0 0
01309980	Bellmore Creek tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mi upstream from gaging station 01309990.	--	1973-89	12- 7-88 6- 1-89	0 .81
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.	--	1963-89	1- 5-89	.22

Discharge measurements made at low-flow partial-record stations during water year 1989--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements 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 1965-89	1- 5-89	4.9
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.	--	1973-89	12- 6-88	.03
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.	--	1973-89	12- 6-88	0
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft west of Luddington Road, 1.4 mi southwest of East Meadow, and 2.3 mi upstream from gage at Freeport.	--	1973-89	12- 6-88	0
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.	--	1953-89	9-27-89	3.8
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-81 1983-84 1986-89	9-27-89	1.7
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.	--	1953-89	7-26-89	5.0
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.	--	1954-89	7-25-89	2.1
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.	--	1953-89	7-25-89	.10

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.12	DEC 9	9.23	FEB 28	9.06	APR 27	9.20	JUN 21	9.89	AUG 30	10.34
NOV 16	9.07	JAN 17	9.21	MAR 29	8.97	MAY 22	9.37	JUL 24	10.18	SEP 28	10.30

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	7.99	DEC 9	8.56	FEB 28	8.10	APR 27	8.05	JUN 21	8.39	JUL 24	8.48
NOV 16	8.65	JAN 17	8.36	MAR 29	8.09	MAY 22	8.18				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.50	DEC 9	4.46	FEB 28	1.24	APR 28	4.15	JUN 22	4.50	AUG 31	4.74
NOV 16	4.39	JAN 17	2.37	MAR 29	0.54	MAY 22	4.31	JUL 25	4.68	SEP 29	2.44

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	6.89	DEC 9	7.35	FEB 28	7.22	APR 28	6.99	JUN 22	7.68	AUG 31	8.30
NOV 16	7.11	JAN 17	7.26	MAR 29	6.70	MAY 22	7.20	JUL 25	7.95	SEP 29	8.32

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	8.18	DEC 9	8.84	FEB 28	9.05	APR 27	8.36	JUN 21	9.00	AUG 30	8.98
NOV 16	8.48	JAN 17	9.01	MAR 29	8.30	MAY 22	8.54	JUL 24	9.16	SEP 28	8.79

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.81	DEC 9	4.00	FEB 28	4.43	APR 28	3.79	JUN 22	4.18	AUG 31	4.44
NOV 16	3.82	JAN 17	4.79	MAR 29	3.48	MAY 22	3.87	JUL 24	4.27	SEP 29	4.94

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.82	DEC 9	2.93	FEB 28	2.71	APR 27	2.76	JUN 21	3.36	JUL 24	3.34
NOV 16	2.89	JAN 17	2.65	MAR 29	2.78	MAY 22	3.21				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.38	DEC 9	1.58	FEB 28	1.28	APR 27	1.50	JUN 21	2.13	AUG 30	1.90
NOV 16	1.41	JAN 17	1.26	MAR 29	1.31	MAY 22	1.94	JUL 24	1.93	SEP 28	1.87

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.17	DEC 9	5.24	FEB 28	5.01	APR 28	5.04	JUN 22	5.80	AUG 31	5.88
NOV 16	5.07	JAN 17	4.97	MAR 29	4.80	MAY 22	5.28	JUL 24	5.86	SEP 29	5.83

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.43	DEC 9	5.66	FEB 28	5.17	APR 27	5.48	MAY 22	5.82	JUN 21	6.29
NOV 16	5.38	JAN 17	5.22	MAR 29	5.20						

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	25.04	JAN 17	24.42	MAR 29	24.03	APR 28	24.10	JUN 22	25.06	AUG 31	26.60
NOV 16	24.83	FEB 28	24.29	APR 11	24.04	MAY 22	24.29	JUL 25	25.86	SEP 29	26.89
DEC 9	24.65										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.60	DEC 9	4.71	FEB 28	4.27	APR 27	4.53	JUN 21	5.31	AUG 30	5.20
NOV 16	4.72	JAN 17	4.63	MAR 29	4.37	MAY 22	4.90	JUL 24	5.32	SEP 29	5.19

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.76	DEC 9	3.69	FEB 28	3.67	APR 28	3.20	JUN 22	4.27	AUG 31	4.44
NOV 16	3.49	JAN 17	4.25	MAR 29	3.29	MAY 22	3.61	JUL 24	4.47	SEP 29	4.58

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.16	DEC 9	5.61	FEB 28	5.50	APR 28	5.23	JUN 22	5.90	AUG 31	5.83
NOV 16	5.01	JAN 17	5.62	MAR 29	5.05	MAY 22	5.48	JUL 25	5.97	SEP 29	5.84

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.45	DEC 8	4.43	FEB 13	5.37	APR 17	5.97	JUN 26	5.10	AUG 21	3.37
NOV 18	3.97	JAN 19	5.45	MAR 21	5.82	MAY 19	5.29	JUL 24	3.91	SEP 22	3.02

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	9.54	DEC 8	10.29	FEB 13	9.88	APR 17	11.38	JUN 22	15.60	AUG 21	15.59
NOV 18	9.69	JAN 19	10.28	MAR 21	10.51	MAY 19	13.68	JUL 24	15.41	SEP 22	15.29

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.

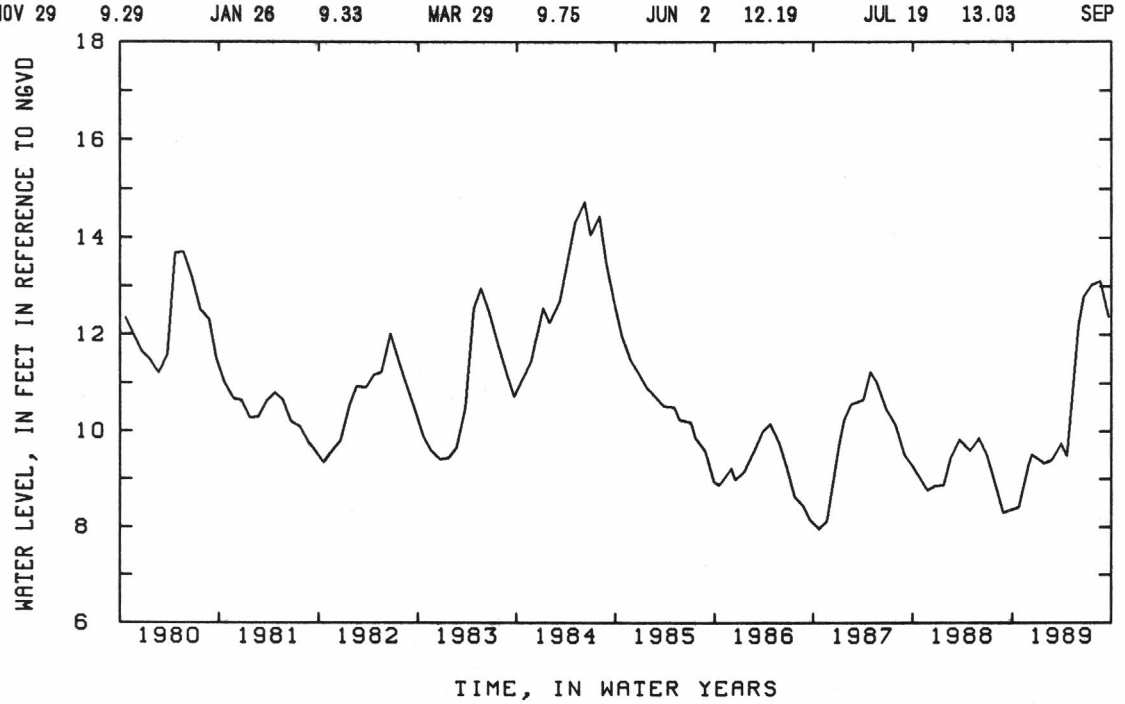
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.09	DEC 23	4.23	FEB 17	4.31	APR 20	5.20	JUL 19	2.91	SEP 27	0.94
NOV 23	1.50	JAN 19	4.23	MAR 23	3.71	JUL 7	2.82	AUG 17	1.46		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.41	DEC 12	9.51	FEB 23	9.40	APR 21	9.48	JUN 20	12.80	AUG 21	13.11
NOV 29	9.29	JAN 26	9.33	MAR 29	9.75	JUN 2	12.19	JUL 19	13.03	SEP 20	12.37



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.

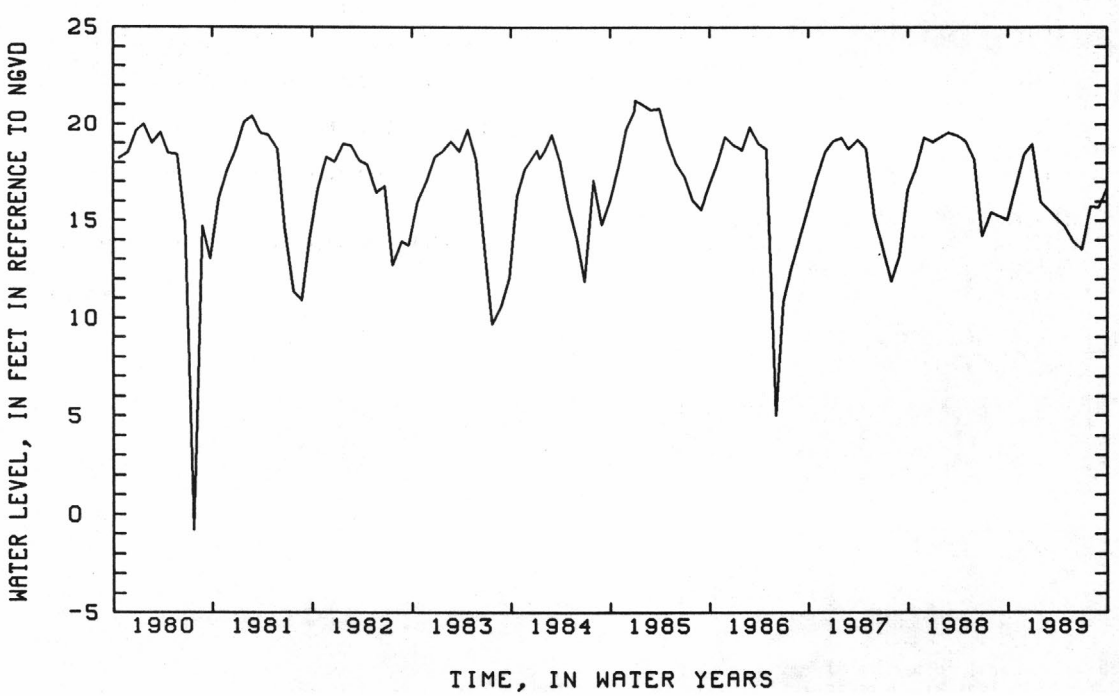
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	6.38	DEC 8	7.46	FEB 13	8.03	APR 17	8.68	JUN 21	7.90	AUG 21	6.72
NOV 18	6.94	JAN 19	8.46	MAR 21	8.70	MAY 19	8.22	JUL 24	6.97	SEP 25	6.28

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	18.42	JAN 31	16.00	MAY 31	13.87	JUL 31	15.75	AUG 31	15.70	SEP 30	16.72
DEC 31	18.98	APR 30	14.67	JUN 30	13.52						



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	14.20	JAN 19	13.74	MAR 21	14.13	MAY 19	15.14	JUL 24	14.13	SEP 25	14.78
DEC 8	14.32	FEB 13	13.76	APR 18	14.95	JUN 26	15.49	AUG 21	15.06		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	35.11	DEC 23	35.48	FEB 17	35.02	APR 20	35.15	JUL 7	35.86	AUG 17	36.04
NOV 23	35.30	JAN 19	35.23	MAR 23	34.99	MAY 31	35.57	19	36.06	SEP 27	36.11

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.

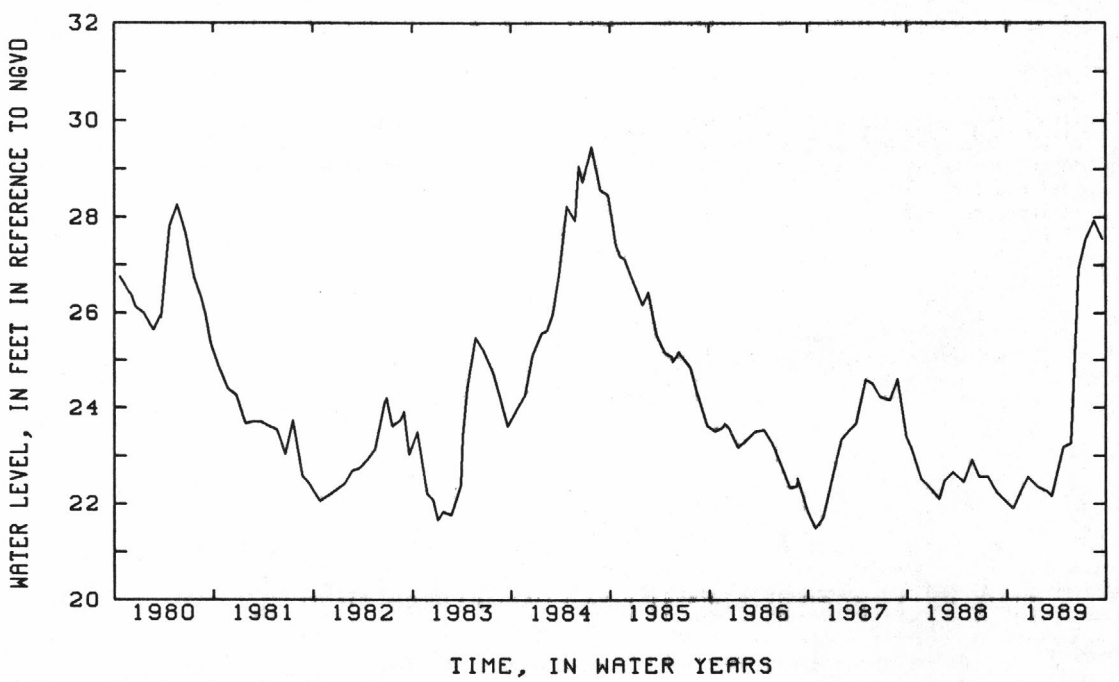
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.42	DEC 8	9.40	FEB 13	9.00	APR 17	10.27	JUN 21	13.59	AUG 21	13.31
NOV 18	8.33	JAN 19	9.28	MAR 21	9.17	MAY 19	11.80	JUL 24	13.27	SEP 22	12.79

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	21.91	DEC 19	22.56	FEB 27	22.26	APR 26	23.18	JUN 23	26.94	AUG 18	27.94
NOV 23	22.27	JAN 24	22.35	MAR 16	22.15	MAY 26	23.25	JUL 18	27.56	SEP 18	27.55



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	45.95	DEC 8	45.92	FEB 13	46.17	APR 17	46.67	JUN 21	48.15	AUG 21	49.02
NOV 18	46.01	JAN 19	45.99	MAR 21	46.43	MAY 19	47.08	JUL 24	48.91	SEP 22	49.19

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	77.51	JAN 19	77.59	MAR 21	77.23	MAY 19	78.73	JUL 24	80.50	SEP 22	81.77
NOV 18	77.34	FEB 13	77.35	APR 17	77.33	JUN 21	79.58	AUG 21	81.55	25	81.69
DEC 8	77.71										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	64.40	DEC 8	64.93	FEB 13	65.04	APR 18	65.32	JUN 22	69.12	AUG 21	70.54
NOV 18	64.45	JAN 19	65.21	MAR 21	64.80	MAY 19	66.84	JUL 24	70.18	SEP 25	70.62

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.

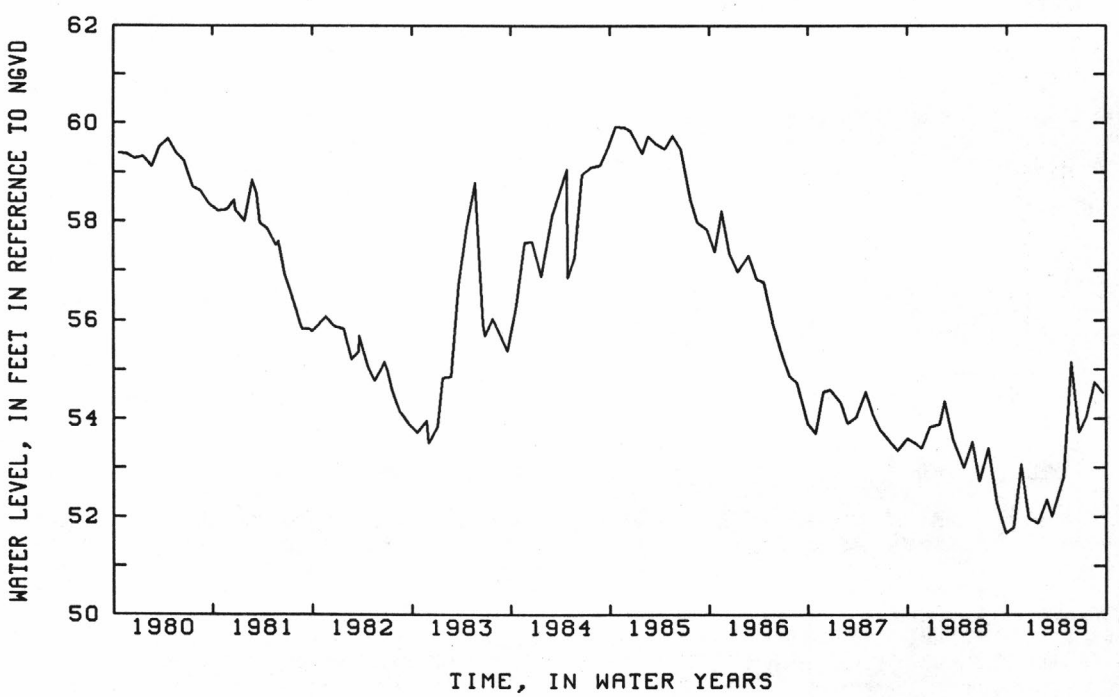
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	59.72	DEC 8	59.64	FEB 13	59.57	APR 18	60.12	JUN 22	60.30	AUG 21	61.72
NOV 18	59.86	JAN 19	59.90	MAR 21	59.75	MAY 19	60.45	JUL 24	60.72	SEP 25	62.18

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 1988 TO SEPTEMBER 1989

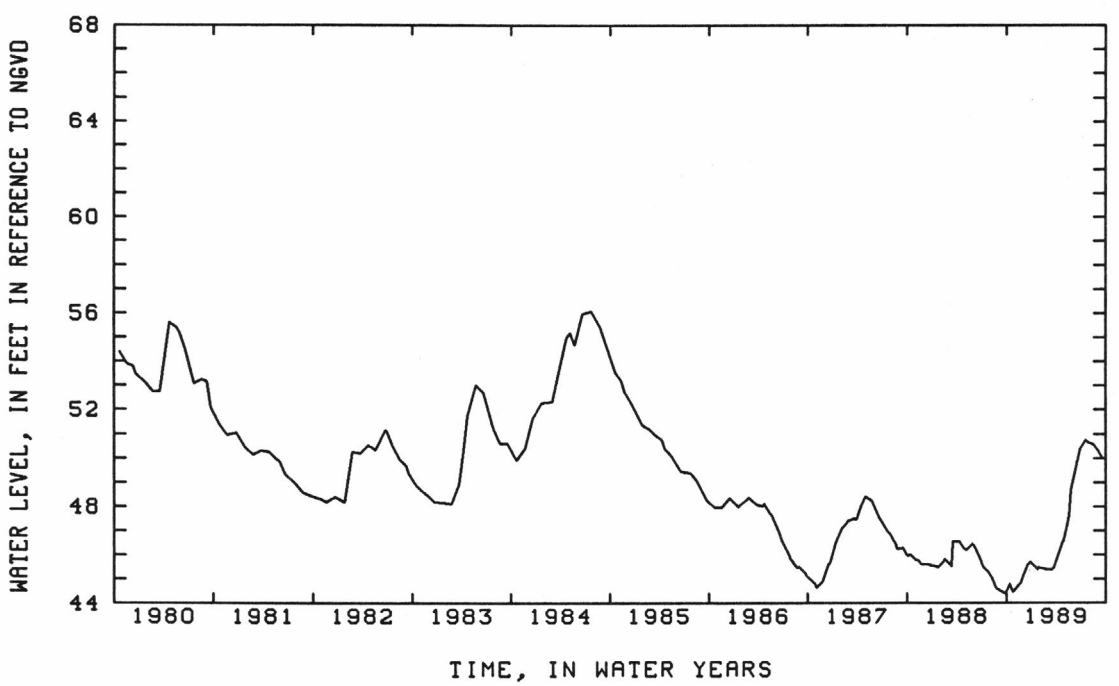
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	51.77	DEC 20	51.97	FEB 27	52.35	APR 26	52.80	JUN 23	53.73	AUG 18	54.74
NOV 23	53.07	JAN 24	51.87	MAR 16	52.01	MAY 26	55.14	JUL 18	54.03	SEP 18	54.52



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 1988 TO SEPTEMBER 1989

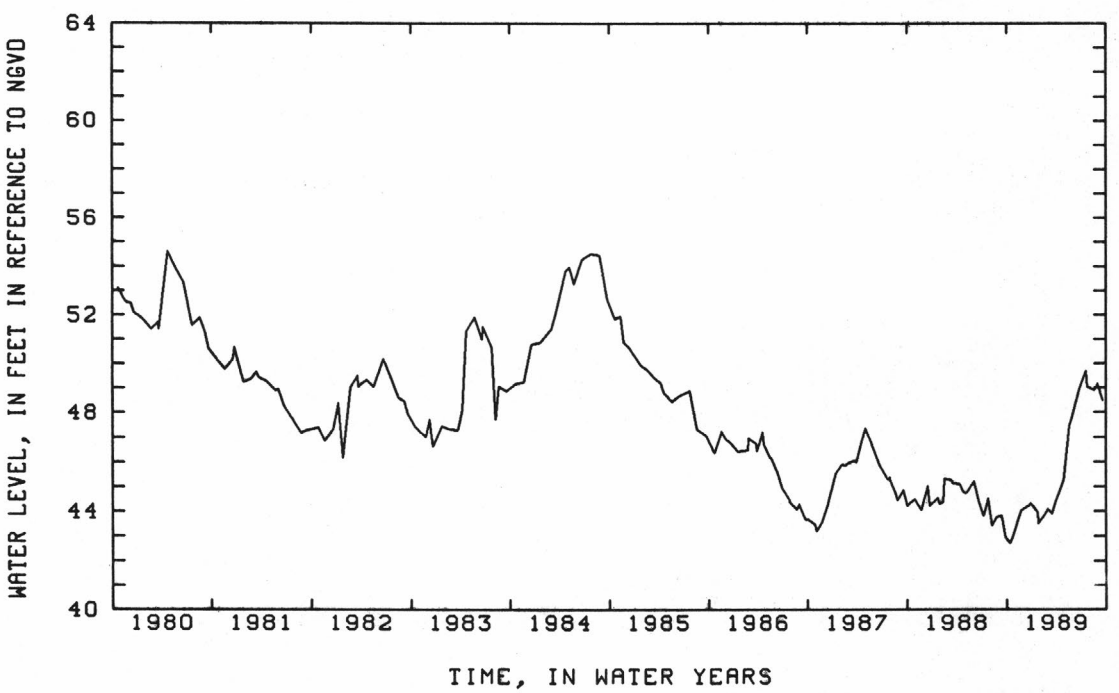
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	44.80	DEC 19	45.61	FEB 27	45.40	APR 26	46.61	JUN 23	50.13	AUG 18	50.54
26	44.44	29	45.72	28	45.39	26	46.54	27	50.39	30	50.36
NOV 23	44.84	JAN 24	45.40	MAR 16	45.39	MAY 19	47.60	JUL 18	50.75	SEP 18	50.02
29	45.08	25	45.48	22	45.46	26	48.69	24	50.68		



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	42.70	DEC 29	44.30	FEB 28	44.07	APR 26	45.21	JUN 27	49.07	AUG 18	48.90
26	43.02	JAN 24	43.94	MAR 16	43.90	MAY 19	47.47	JUL 18	49.69	30	49.17
NOV 23	44.02	25	43.49	22	44.19	26	47.67	24	49.03	SEP 18	48.49
DEC 19	44.20	FEB 27	43.98	APR 26	45.25	JUN 23	48.88				



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	14.53	JAN 19	15.36	MAR 21	15.48	APR 18	16.13	JUN 22	16.93	AUG 21	16.17
NOV 18	14.90	FEB 13	15.29	APR 11	16.00	MAY 19	17.20	JUL 24	16.45	SEP 25	15.66
DEC 8	15.53										

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, 8.93 ft NGVD, February 1, 1979; lowest measured, -19.18 ft NGVD, July 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	2.24	DEC 23	5.09	FEB 17	5.54	APR 20	5.91	JUL 7	4.25	AUG 17	-3.57
NOV 23	3.87	JAN 19	5.42	MAR 23	5.24	MAY 31	6.45	19	5.57	SEP 27	1.51

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	7.19	DEC 23	8.58	FEB 17	7.51	APR 20	8.37	JUL 7	9.57	AUG 17	9.07
NOV 23	7.75	JAN 19	7.63	MAR 23	7.72	MAY 31	9.99	19	9.38	SEP 27	8.51

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.

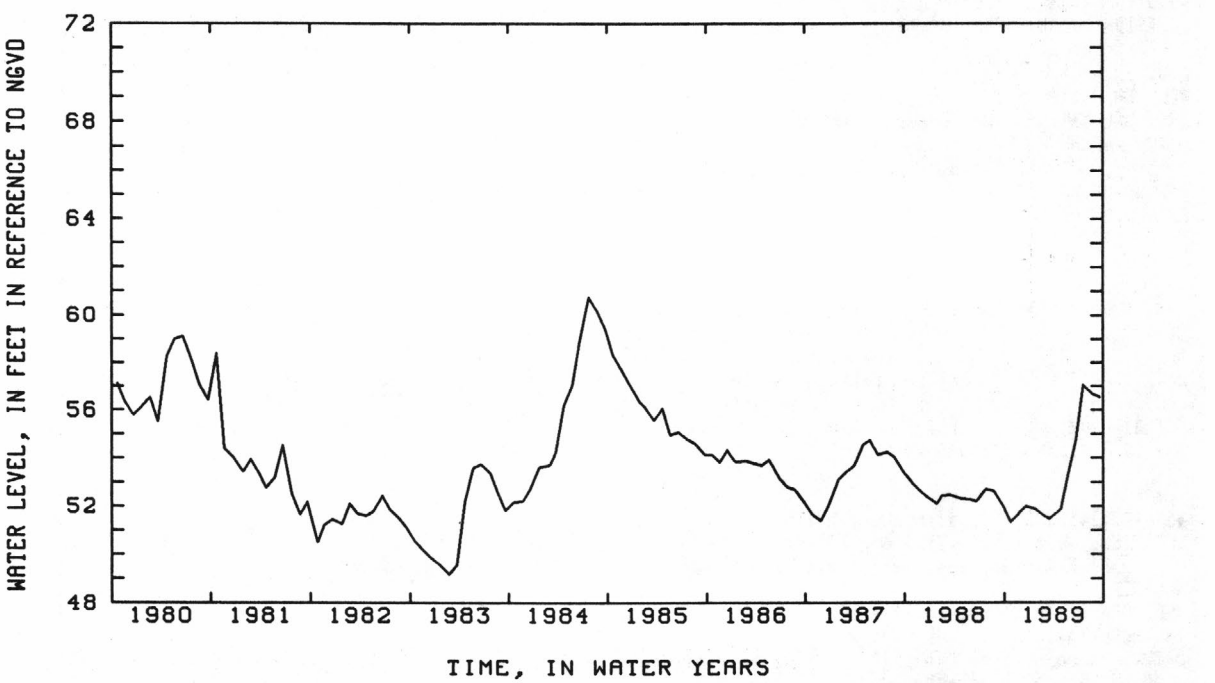
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	7.86	DEC 23	8.25	FEB 17	8.14	APR 20	9.05	AUG 17	9.69	SEP 27	9.06
NOV 23	8.44	JAN 19	8.27	MAR 23	8.35	JUL 19	10.01				

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 1988 TO SEPTEMBER 1989

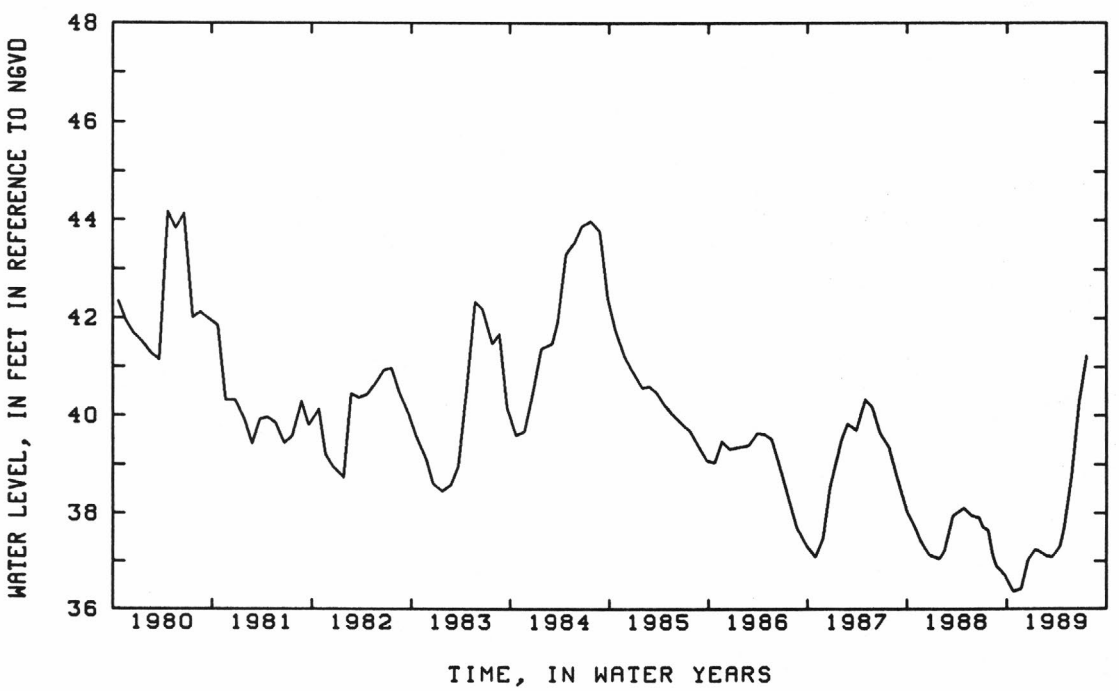
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	51.32	DEC 19	51.99	FEB 27	51.59	APR 26	51.85	JUN 23	54.79	AUG 18	56.69
NOV 23	51.67	JAN 24	51.87	MAR 16	51.47	MAY 26	53.39	JUL 18	57.05	SEP 18	56.54



404209073340601. Local number, N 1615.3
LOCATION.--Lat 40°42'09", long 73°34'06", Hydrologic Unit 02030202, at east side of Merrick Avenue, 100 ft south of Van Buren Avenue, Freeport. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 61.0 ft 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 1988 TO SEPTEMBER 1989

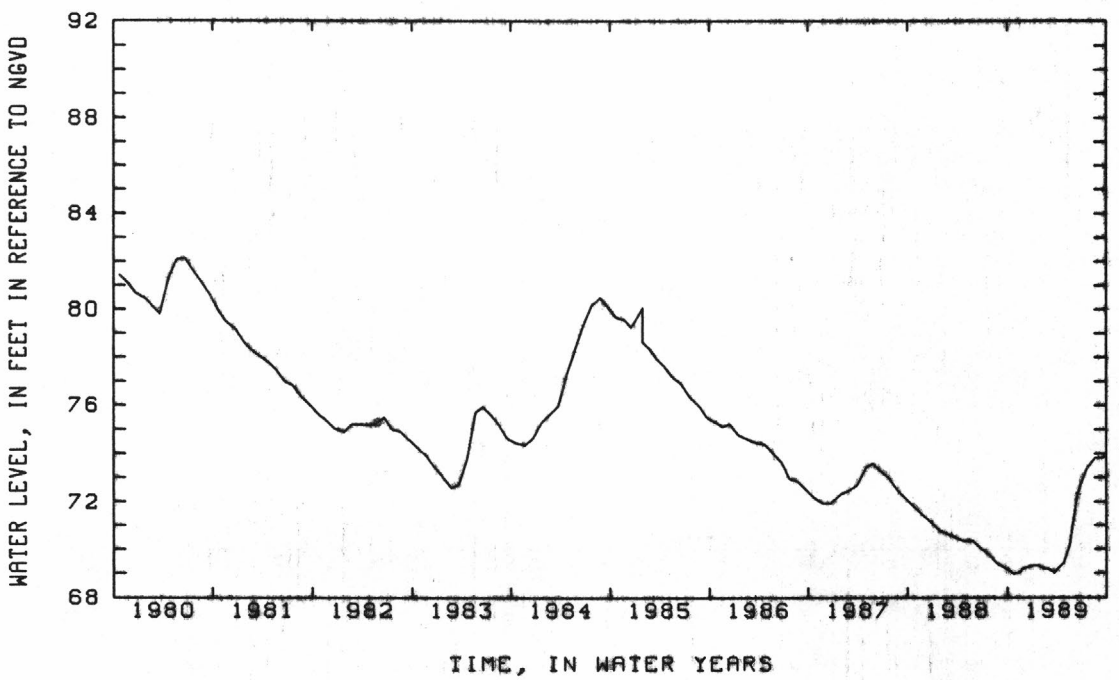
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	36.37	JAN 13	37.24	FEB 27	37.11	APR 13	37.32	MAY 26	38.76	JUL 18	41.19
NOV 23	36.42	24	37.23	MAR 16	37.10	26	37.67	JUN 23	40.31	19	41.22
DEC 19	37.04										



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	69.14	NOV 23	69.18	FEB 13	69.20	APR 12	69.30	JUN 17	72.30	AUG 15	73.76
11	69.10	DEC 19	69.28	27	69.21	26	69.45	23	72.58	18	73.82
21	69.02	21	69.30	MAR 16	69.08	MAY 18	70.18	JUL 18	73.33	SEP 18	73.80
26	68.98	JAN 13	69.33	23	69.00	26	70.75	18	73.35	20	73.88
NOV 21	69.06	24	69.33								



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.

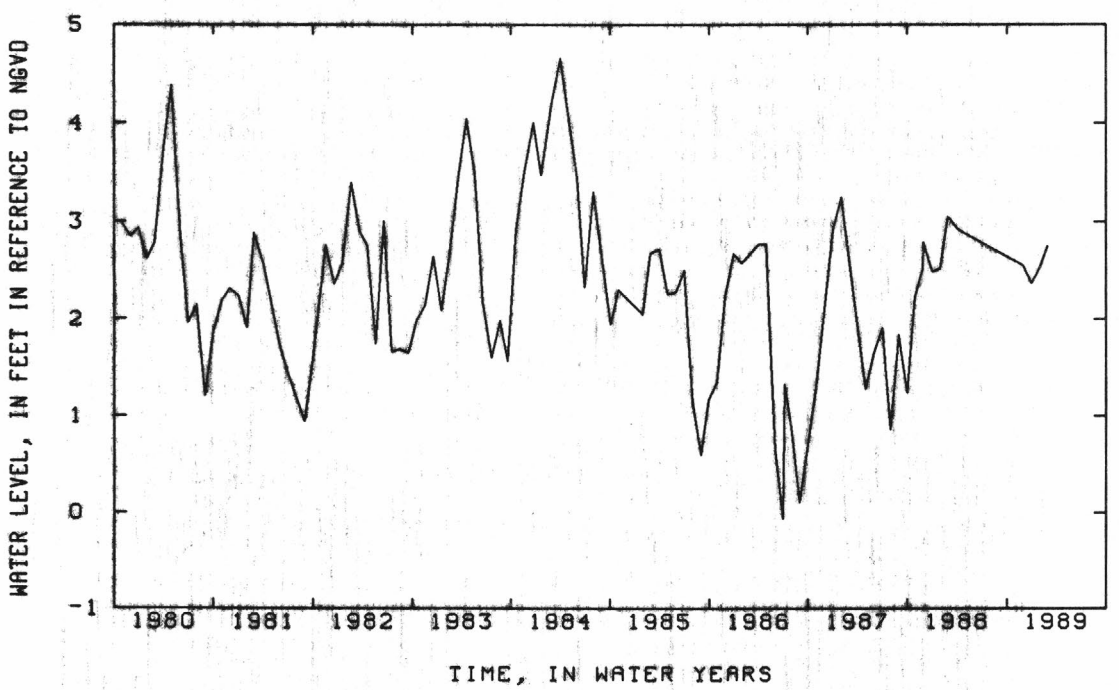
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	64.25	DEC 8	64.57	FEB 13	63.98	APR 17	64.37	JUN 21	67.07	AUG 21	67.60
NOV 18	64.23	JAN 19	64.13	MAR 21	63.94	MAY 19	66.06	JUL 24	67.39	SEP 22	67.57

403805073395801. 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.--Measurement with chalked tape by USGS personnel.
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 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.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	2.55	DEC 31	2.37	JAN 31	2.53	FEB 28	2.75				



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, 38.17 ft NGVD, April 10, 1957; lowest measured, 23.18 ft NGVD, April 11, 1972.

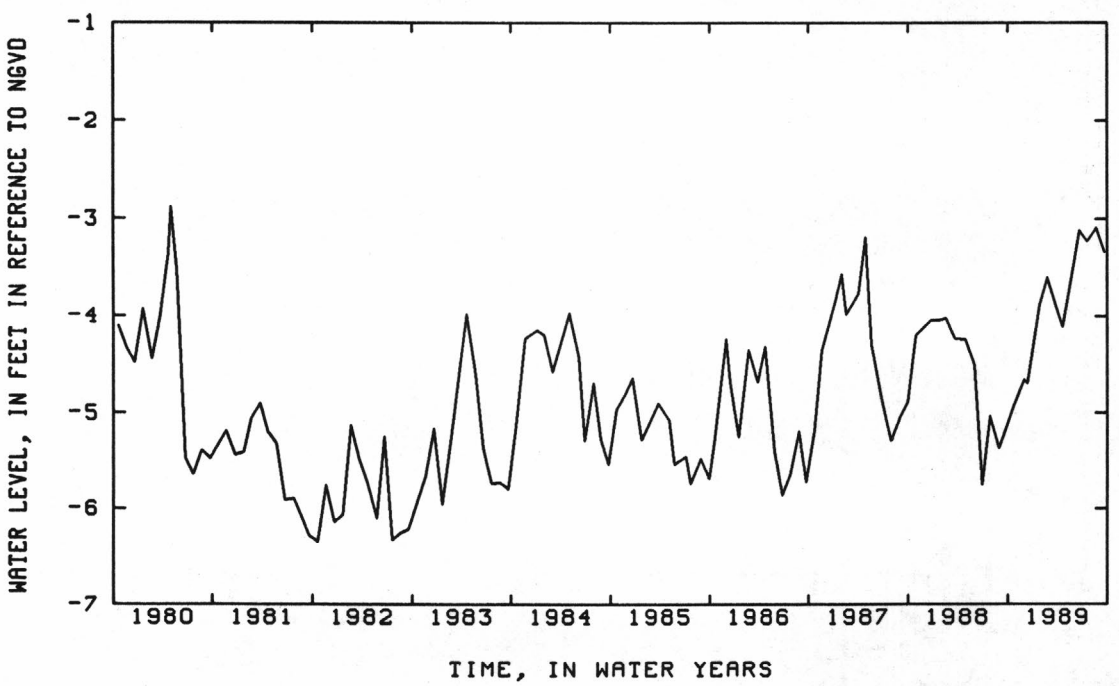
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	27.90	DEC 8	28.63	FEB 13	28.97	APR 18	29.47	JUN 22	29.35	AUG 21	29.46
NOV 25	28.51	JAN 19	29.18	MAR 21	29.40	MAY 19	29.32	JUL 24	29.42	SEP 25	29.47

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, -2.88 ft NGVD, May 1, 1980; lowest measured, -7.57 ft NGVD, August 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

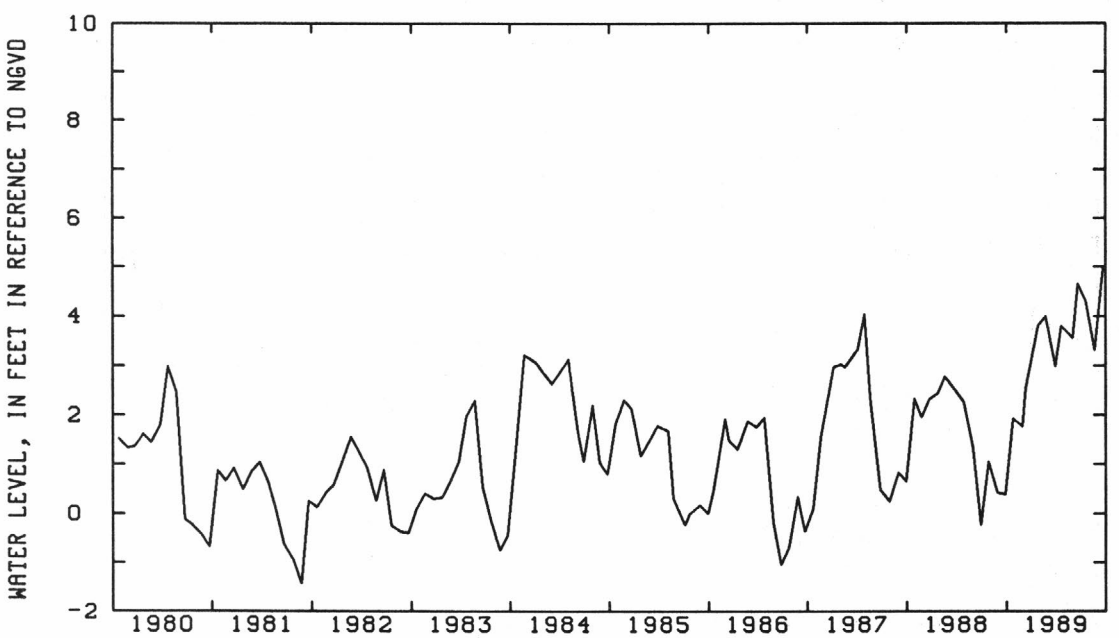
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	-4.90	DEC 12	-4.69	FEB 23	-3.60	APR 21	-4.11	JUN 20	-3.12	AUG 21	-3.09
NOV 29	-4.65	JAN 26	-3.88	MAR 29	-3.93	JUN 2	-3.43	JUL 19	-3.23	SEP 20	-3.34



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.92	DEC 12	2.55	FEB 23	4.00	APR 21	3.78	JUN 20	4.65	AUG 21	3.31
NOV 29	1.77	JAN 26	3.80	MAR 29	2.98	JUN 2	3.56	JUL 19	4.32	SEP 20	4.98



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 178 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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	2.84	DEC 12	3.15	FEB 23	4.10	APR 21	3.51	JUN 20	4.58	AUG 21	4.82
NOV 29	2.64	JAN 26	3.94	MAR 29	3.37	JUN 2	4.04	JUL 19	4.45	SEP 20	4.36

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.43	DEC 12	3.55	MAR 29	3.62	JUN 22	5.00	JUL 19	4.78	SEP 20	4.95
NOV 29	2.69	JAN 26	3.90								

403844073340801. Local number, N 4158.2
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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.34	DEC 12	7.05	FEB 23	6.84	JUN 2	7.76	JUL 19	8.45	AUG 21	7.90
NOV 29	6.77	JAN 26	6.65	APR 21	7.42	20	7.96				

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.

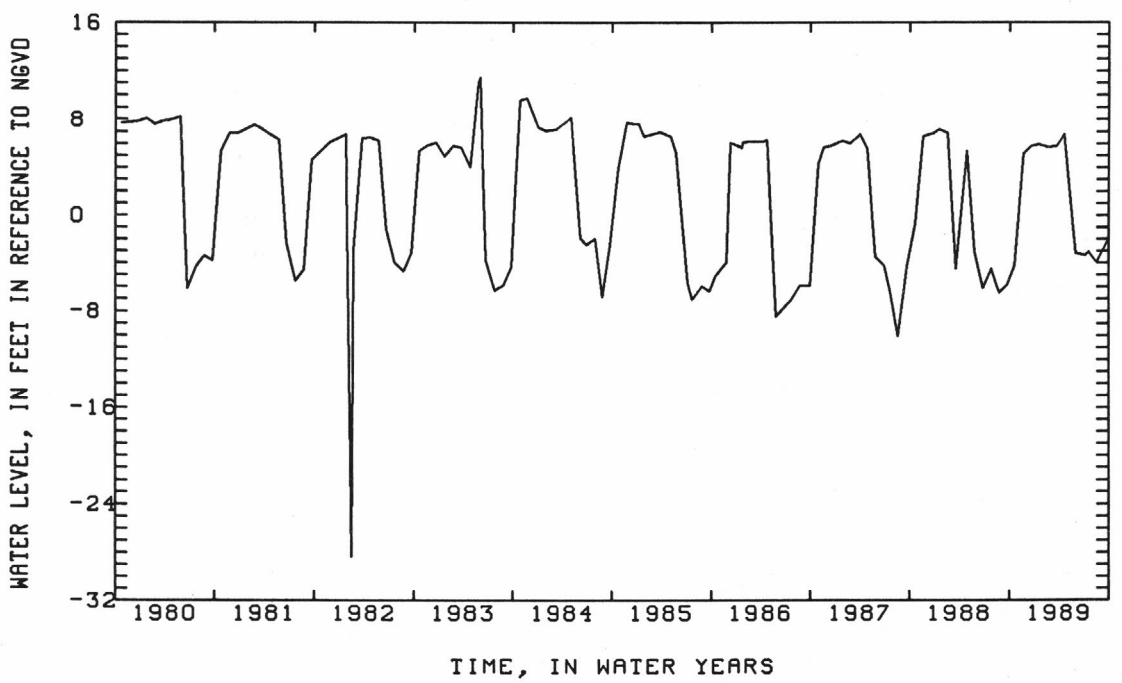
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.84	NOV 29	1.45	JAN 26	3.93	FEB 23	4.16				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-4.19	DEC 23	5.82	FEB 17	5.72	APR 20	6.80	JUL 7	-3.34	AUG 17	-3.91
NOV 23	5.21	JAN 19	5.92	MAR 23	5.78	MAY 31	-3.21	19	-3.06	SEP 27	-2.02



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	64.15	DEC 8	64.50	FEB 13	63.90	APR 17	64.31	JUN 21	67.10	AUG 21	67.67
NOV 18	64.11	JAN 19	64.04	MAR 21	63.81	MAY 19	65.80	JUL 24	67.48	SEP 22	67.61

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 23	18.56	JAN 19	17.94	MAR 23	17.51	MAY 31	18.31	JUL 19	21.32	SEP 27	21.80
DEC 23	18.20	FEB 17	17.70	APR 20	17.51	JUL 7	20.93	AUG 17	21.91		

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.

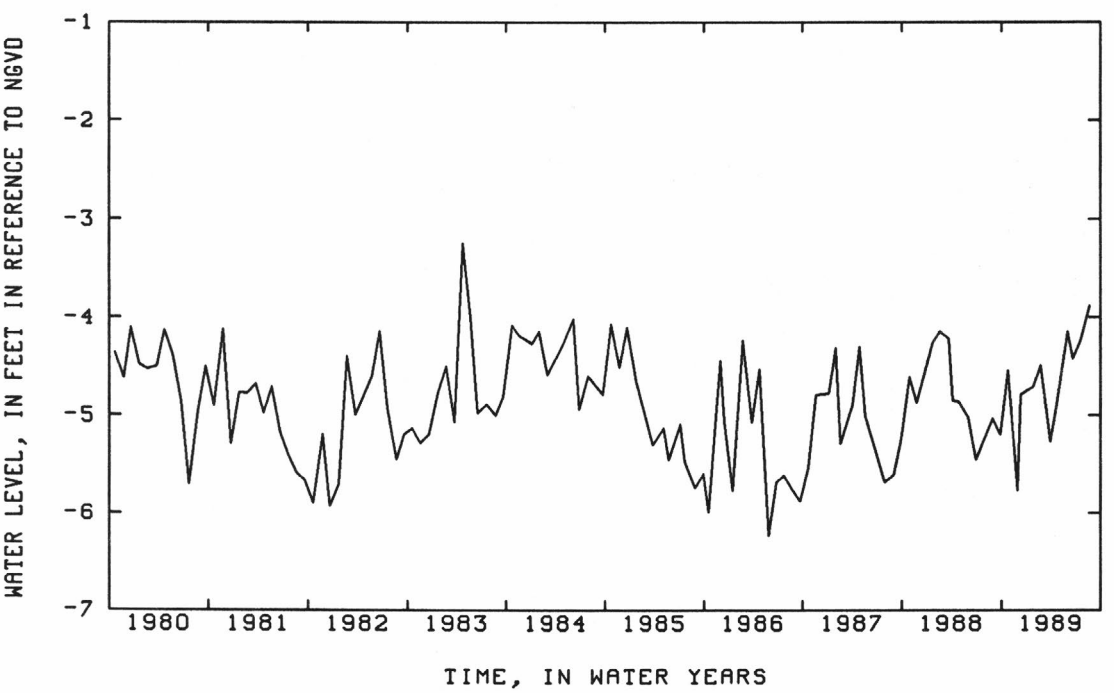
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	64.90	JAN 19	64.25	MAR 21	63.82	MAY 19	63.87	JUL 24	66.29	SEP 22	67.01
DEC 5	64.65	FEB 13	64.05	APR 17	63.78	JUN 21	65.12	AUG 21	66.66		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	-4.54	DEC 12	-4.79	FEB 23	-4.49	APR 21	-4.92	JUN 20	-4.42	AUG 21	-3.88
NOV 29	-5.77	JAN 26	-4.71	MAR 29	-5.27	JUN 2	-4.14	JUL 19	-4.23		



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.

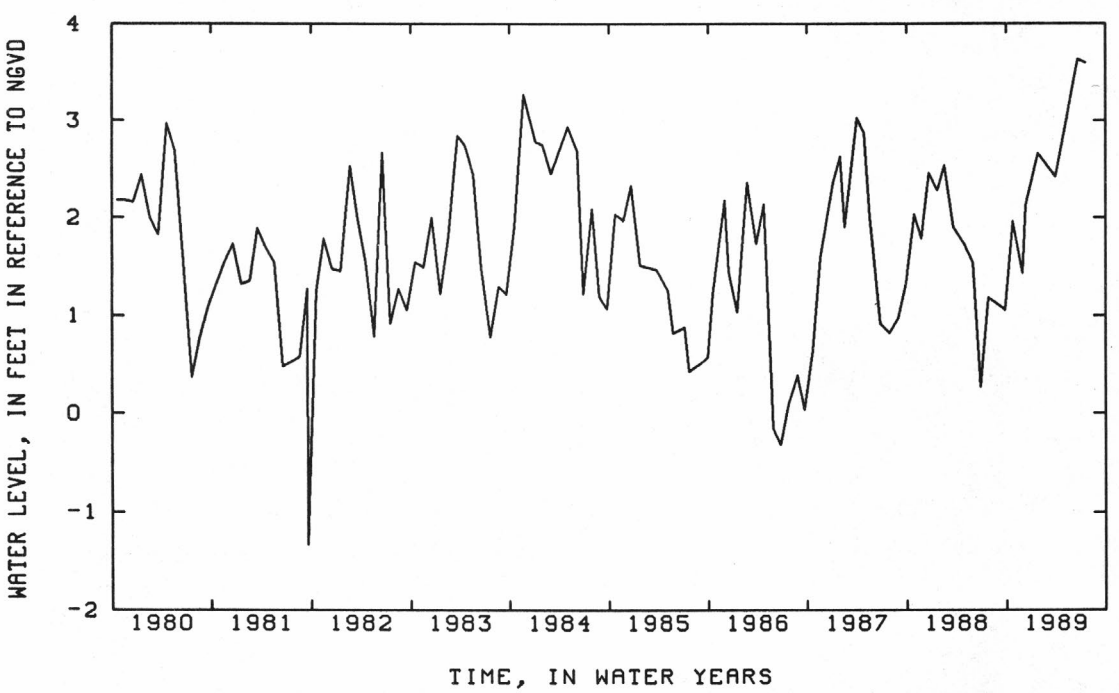
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.74	DEC 12	1.21	FEB 23	1.30	APR 21	1.38	JUN 20	1.44	AUG 21	1.78
NOV 29	0.85	JAN 26	1.53	MAR 29	1.01	JUN 2	1.58	JUL 19	1.82		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.96	DEC 12	2.13	JAN 26	2.66	MAR 29	2.42	JUN 20	3.63	JUL 19	3.60
NOV 29	1.43										



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.

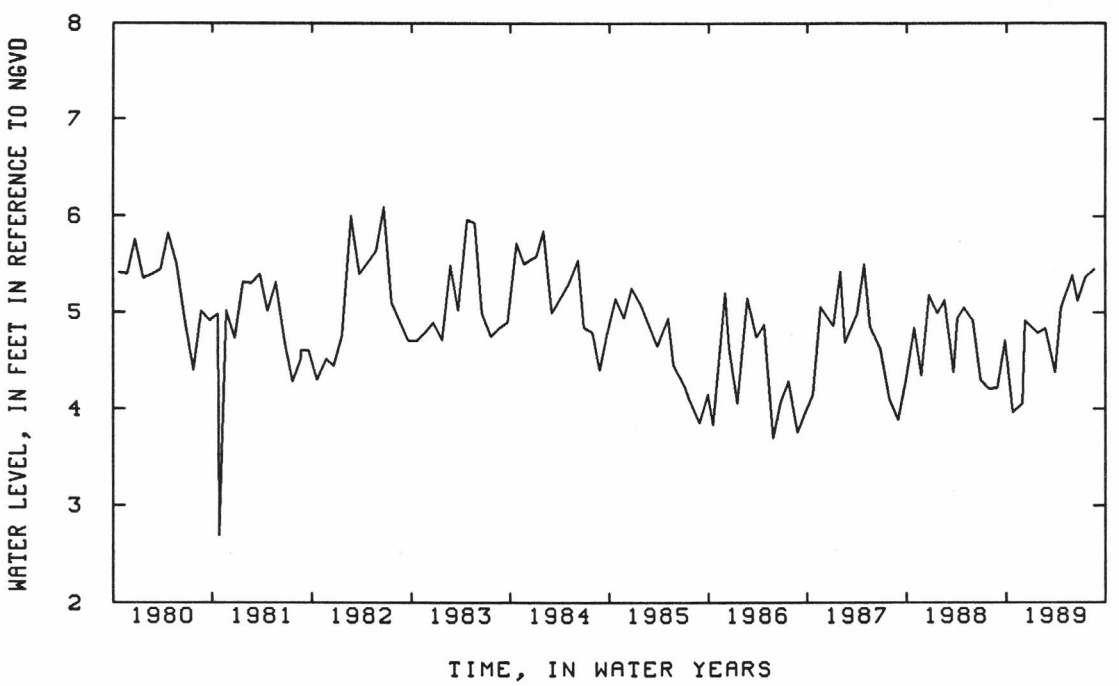
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.06	DEC 9	4.79	FEB 23	5.14	APR 21	5.31	JUL 19	5.68	AUG 21	5.79
NOV 29	5.38	JAN 26	4.89	MAR 29	4.90	JUN 2	5.46				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.97	DEC 9	4.91	FEB 23	4.83	APR 21	5.05	JUN 20	5.12	AUG 21	5.45
NOV 29	4.05	JAN 26	4.79	MAR 29	4.38	JUN 2	5.39	JUL 19	5.37		



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.

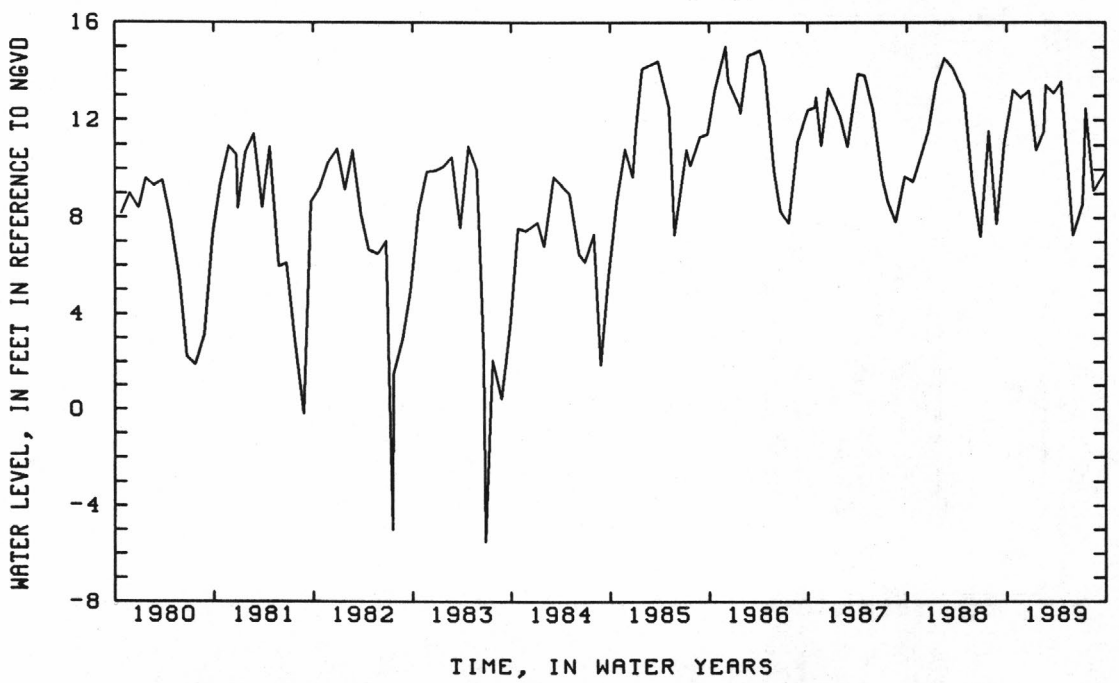
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	26.96	DEC 8	26.93	FEB 13	26.84	APR 17	26.91	JUN 21	28.02	AUG 21	29.23
NOV 18	26.91	JAN 19	26.92	MAR 21	26.92	MAY 19	27.17	JUL 24	28.91	SEP 22	29.57

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 1988 TO SEPTEMBER 1989

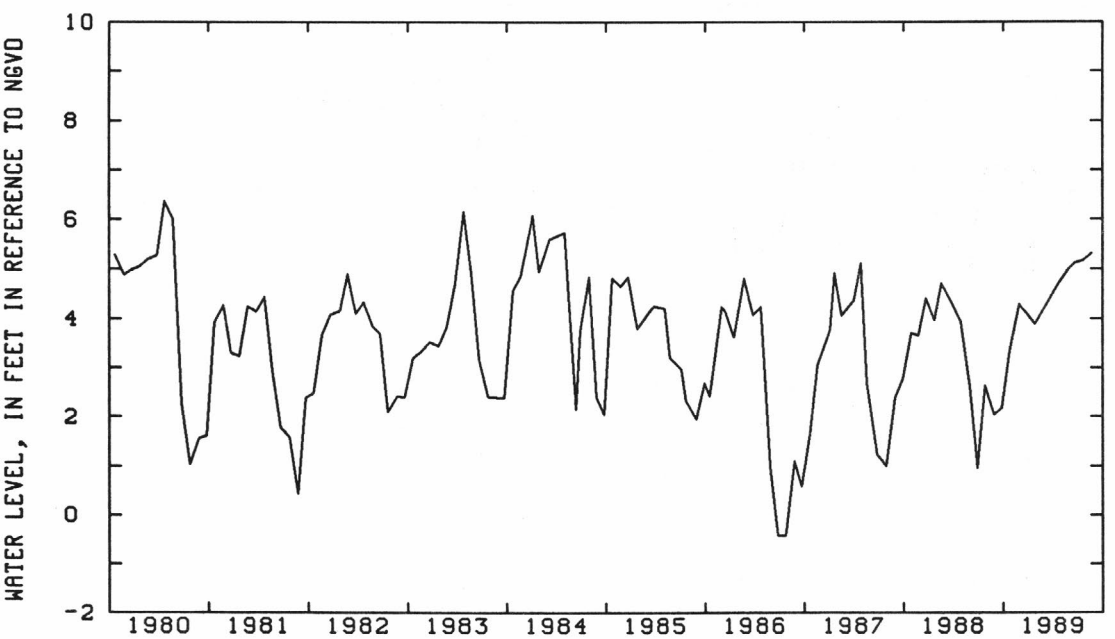
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	13.25	JAN 19	10.81	FEB 23	13.45	APR 20	13.58	JUL 5	8.59	AUG 17	9.12
NOV 23	12.93	FEB 17	11.57	MAR 23	13.11	MAY 31	7.30	19	12.50	SEP 27	9.92
DEC 23	13.23										



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.35	DEC 12	4.21	APR 21	4.70	JUN 22	5.14	JUL 19	5.18	AUG 21	5.32
NOV 29	4.30	JAN 26	3.89	JUN 2	5.03						



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.

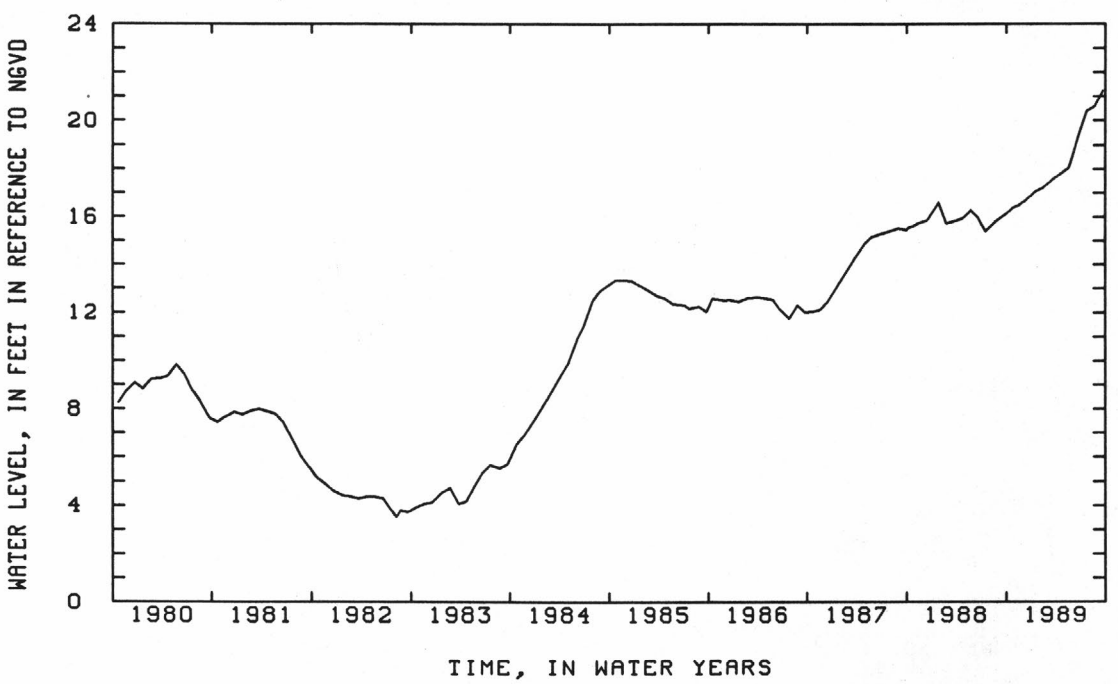
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.50	DEC 12	3.70	FEB 23	3.13	APR 21	3.38	JUN 20	4.12	AUG 21	3.49
NOV 29	2.95	JAN 26	3.22	MAR 29	1.84	JUN 2	4.04	JUL 19	4.15		

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, 21.24 ft NGVD, September 22, 1989; lowest measured, 3.52 ft NGVD, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.38	DEC 8	16.66	FEB 13	17.21	APR 17	17.79	JUN 21	19.29	AUG 21	20.60
NOV 18	16.50	JAN 19	17.08	MAR 21	17.59	MAY 19	18.04	JUL 24	20.42	SEP 22	21.24



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.

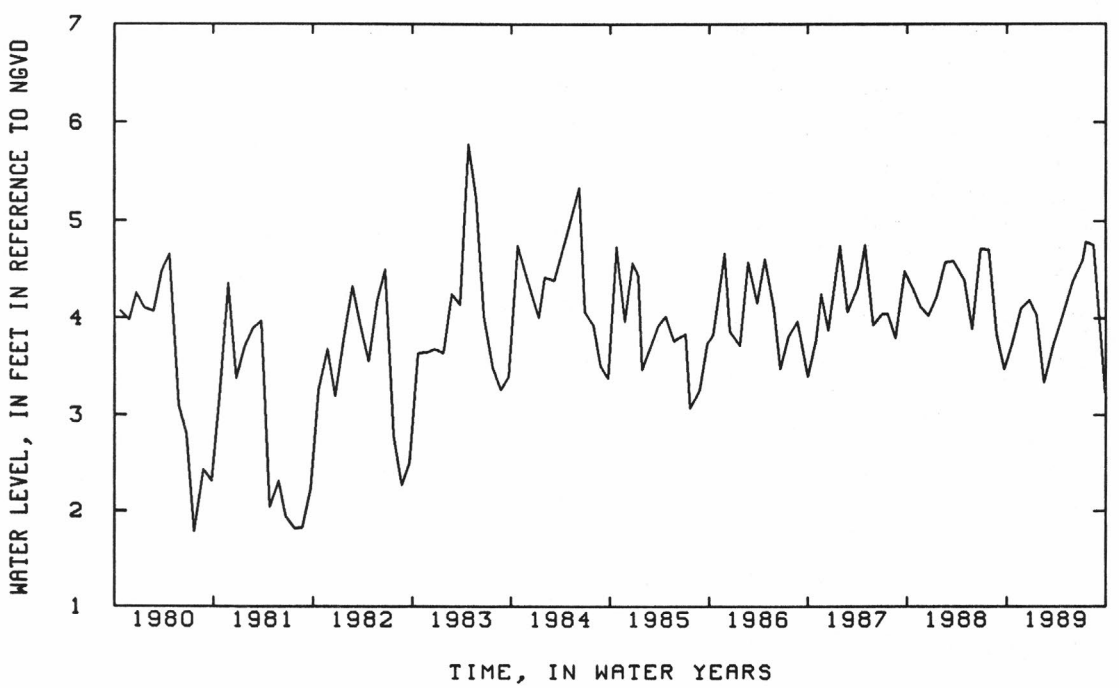
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	28.76	DEC 8	29.62	FEB 13	29.72	APR 17	35.43	JUN 21	35.73	AUG 21	36.49
NOV 18	28.27	JAN 19	29.10	MAR 21	29.70	MAY 19	36.11	JUL 24	35.50	SEP 22	38.69

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.74	DEC 23	4.19	FEB 17	3.34	APR 20	3.99	JUL 7	4.60	AUG 17	4.76
NOV 23	4.11	JAN 19	4.04	MAR 23	3.74	MAY 31	4.39	19	4.79	SEP 27	3.23



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.

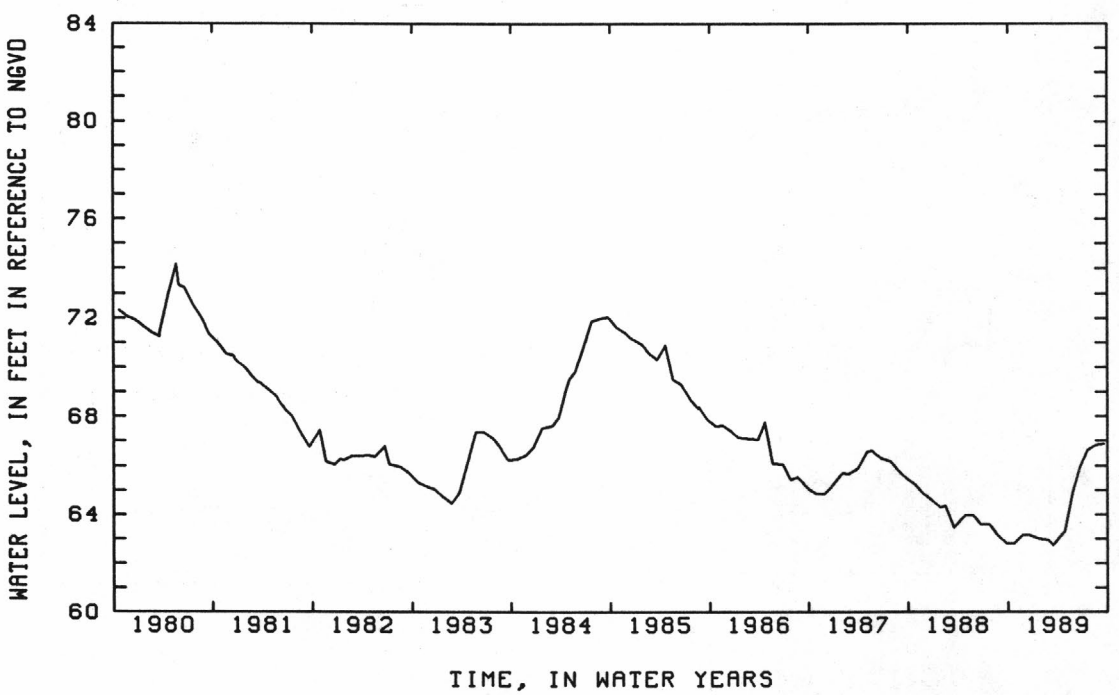
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	4.44	DEC 23	5.00	FEB 17	3.96	APR 20	4.73	JUL 7	6.09	AUG 17	5.29
NOV 23	4.82	JAN 19	4.71	MAR 23	4.30	MAY 31	5.01	19	5.39	SEP 27	3.87

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 1988 TO SEPTEMBER 1989

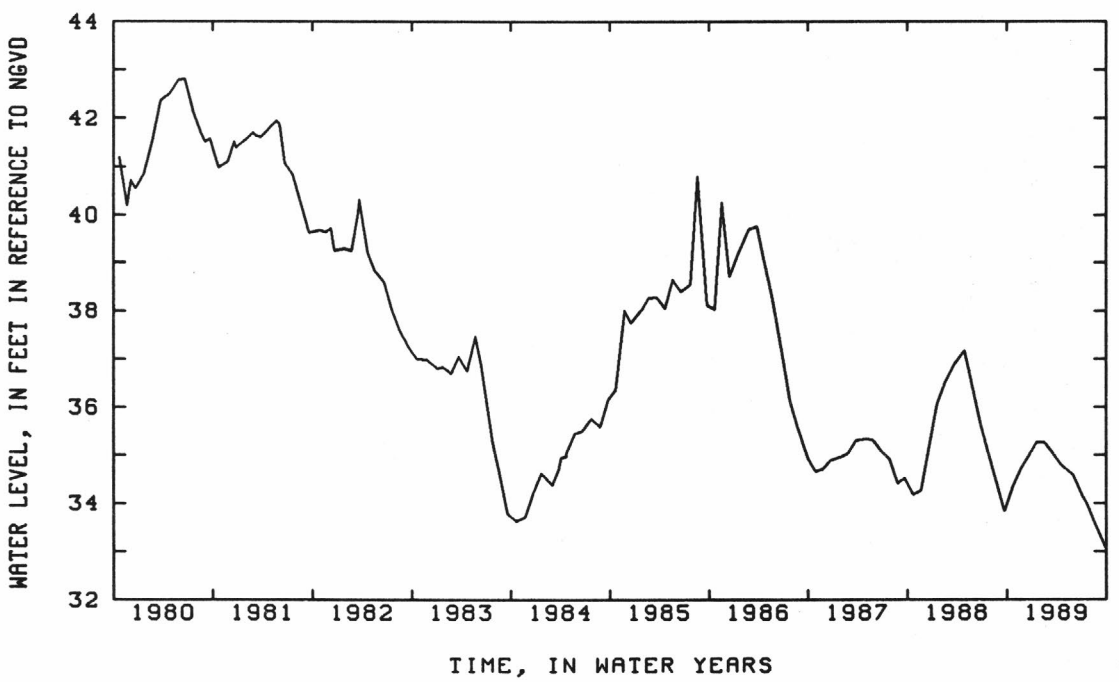
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	62.80	DEC 19	63.14	FEB 27	62.95	APR 26	63.31	JUN 23	65.99	AUG 18	66.82
NOV 23	63.16	JAN 24	62.99	MAR 16	62.74	MAY 26	64.89	JUL 18	66.63	SEP 18	66.87



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	34.38	DEC 23	35.02	FEB 17	35.27	APR 20	34.78	JUL 6	34.12	AUG 17	33.62
NOV 23	34.73	JAN 19	35.26	MAR 23	35.00	MAY 31	34.59	19	34.02	SEP 27	33.07



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	7.94	JAN 13	8.24	MAR 21	8.43	MAY 19	9.60	JUL 19	9.38	AUG 21	8.97
NOV 18	8.28	19	8.32	APR 13	8.90	JUN 21	9.37	24	9.05	SEP 25	8.58
DEC 8	8.46	FEB 13	8.08	18	9.05						

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.

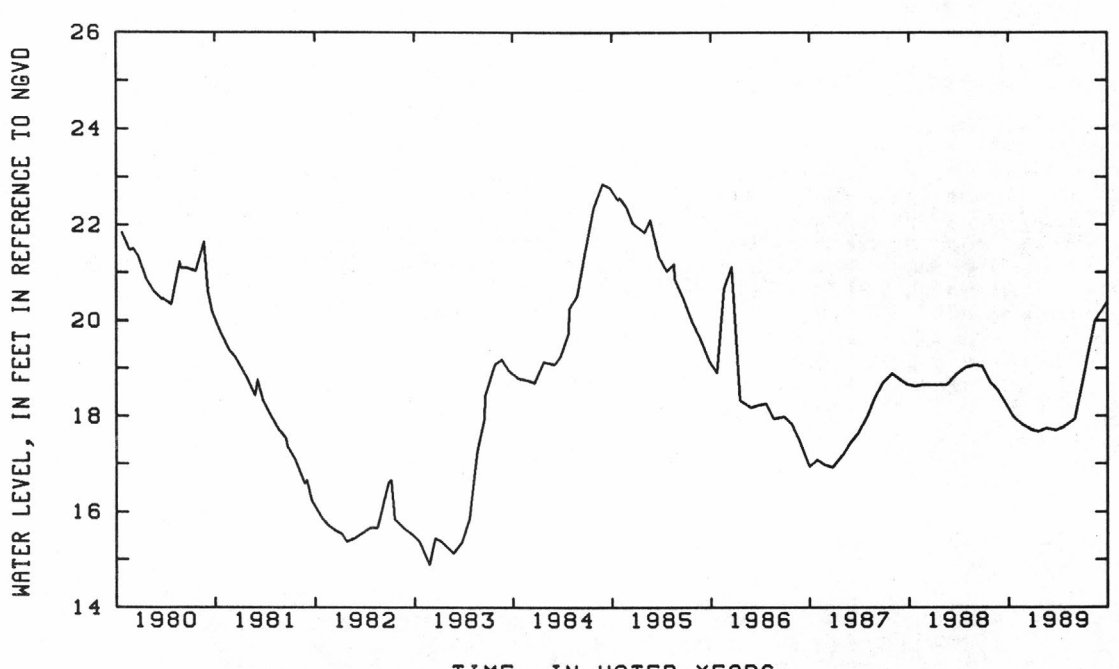
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	77.05	DEC 8	77.33	FEB 13	76.93	APR 17	77.54	JUN 21	79.69	AUG 21	81.94
NOV 18	76.90	JAN 19	76.95	MAR 21	76.86	MAY 19	77.86	JUL 24	81.32	SEP 25	82.19

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 1988 TO SEPTEMBER 1989

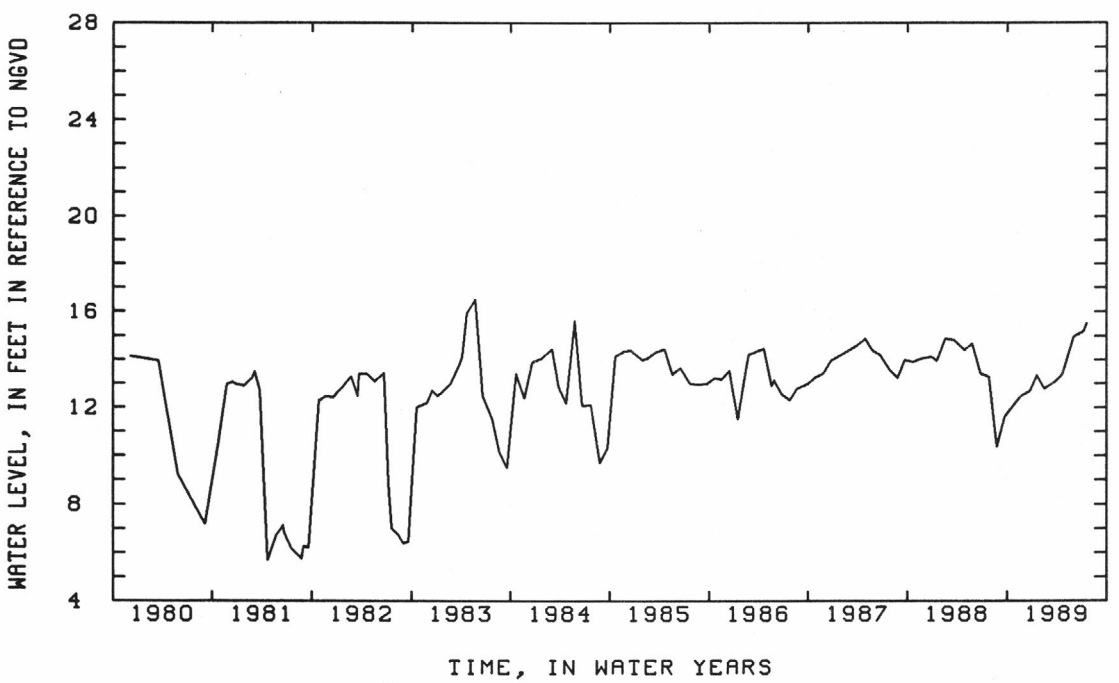
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	17.98	DEC 23	17.71	FEB 17	17.74	APR 20	17.77	JUL 6	18.90	AUG 17	20.01
NOV 23	17.82	JAN 19	17.68	MAR 23	17.70	MAY 31	17.93	19	19.24	SEP 27	20.37



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	12.03	DEC 23	12.69	FEB 17	12.79	APR 20	13.33	JUL 6	15.17	JUL 19	15.52
NOV 23	12.49	JAN 19	13.35	MAR 23	13.05	MAY 31	14.97				



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, 21.64 ft NGVD, September 22, 1989; lowest measured, 5.39 ft NGVD, April 8, 1983.

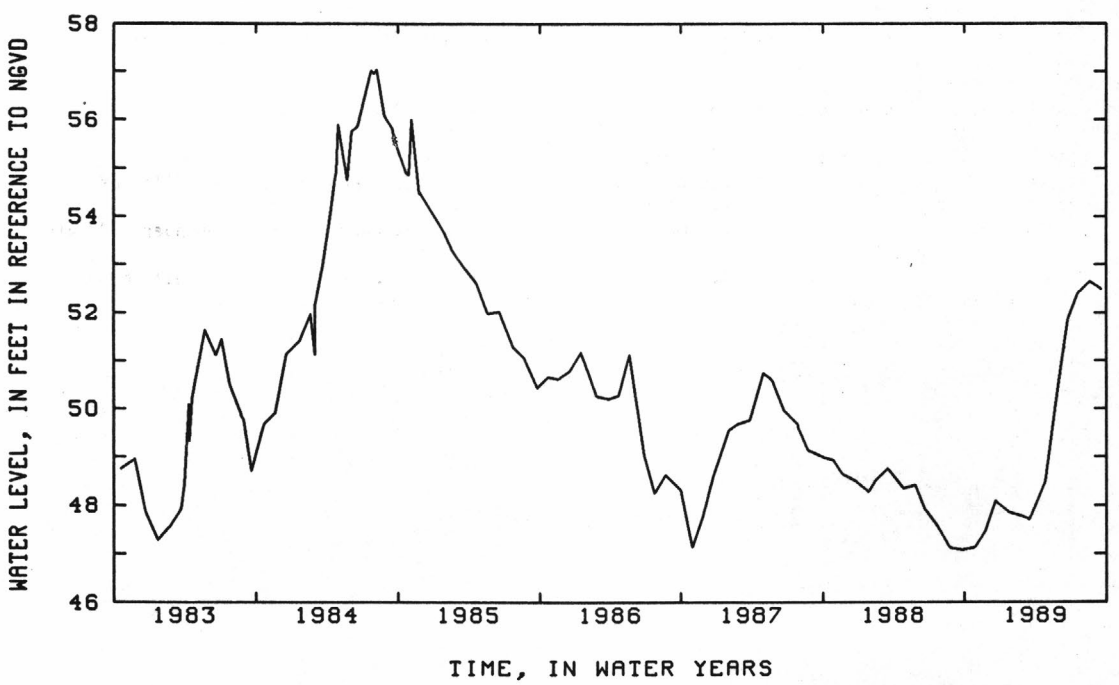
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.65	DEC 8	17.04	FEB 13	17.58	APR 17	18.09	JUN 21	20.14	AUG 21	21.35
NOV 18	16.83	JAN 19	17.48	MAR 21	17.91	MAY 19	18.25	JUL 24	20.85	SEP 22	21.64

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	47.13	DEC 19	48.09	FEB 27	47.77	APR 26	48.49	JUN 23	51.86	AUG 18	52.65
NOV 23	47.46	JAN 24	47.85	MAR 16	47.71	MAY 26	50.29	JUL 18	52.39	SEP 18	52.49



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, 5.25 ft NGVD, March 1, 1988; lowest measured, -27.40 ft NGVD, September 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.08	DEC 12	2.89	FEB 10	0.62	MAY 18	1.88	JUL 24	-0.33	AUG 23	-0.58
NOV 21	3.67	JAN 18	1.00	APR 27	1.41	JUN 21	0.93				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.89	FEB 28	4.08	APR 25	4.82	JUN 20	4.58	AUG 17	3.98	SEP 18	4.04
DEC 14	4.71	MAR 14	4.12	MAY 30	5.26	JUL 25	4.15				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.85	DEC 8	2.79	FEB 23	4.88	APR 21	6.03	JUL 5	2.44	AUG 28	1.31
NOV 23	2.94	JAN 20	2.83	MAR 22	5.50	MAY 31	3.54	19	2.01		

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.

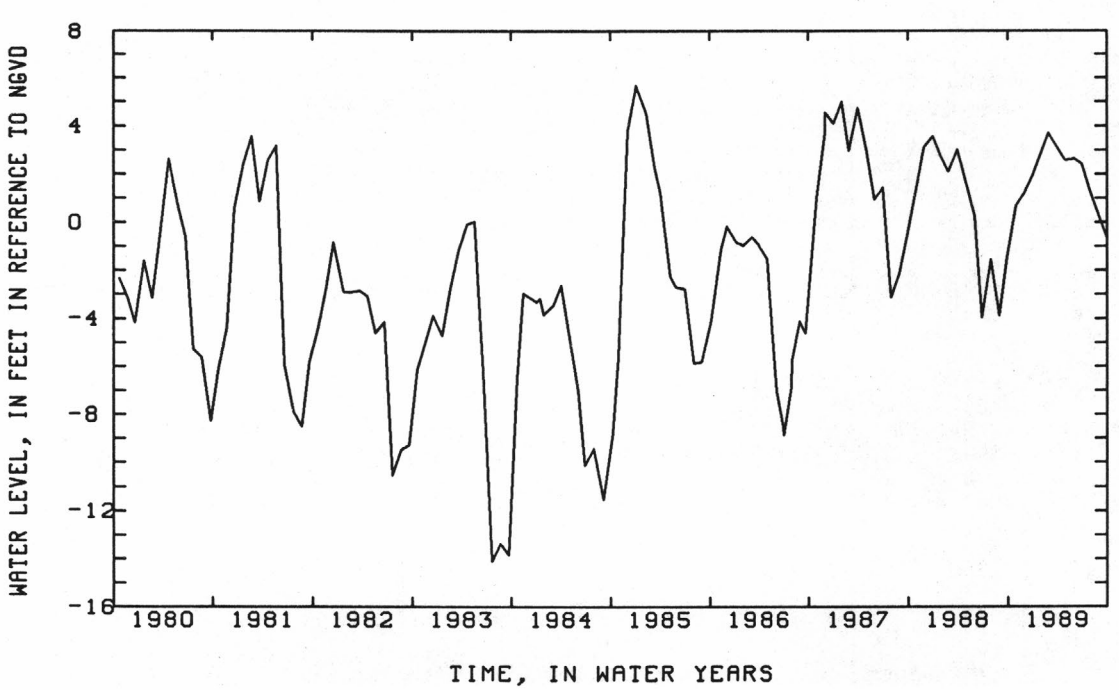
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	15.24	DEC 8	15.25	FEB 23	15.59	APR 21	15.73	JUL 5	16.55	AUG 28	16.09
NOV 23	15.35	JAN 20	15.39	MAR 22	15.45	MAY 31	15.85	19	16.41		

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	0.71	DEC 31	1.92	FEB 28	3.69	MAY 31	2.63	JUL 31	1.26	SEP 30	-0.66
NOV 30	1.19	JAN 30	2.83	APR 30	2.57	JUN 30	2.42				



403454073495602. Local number, Q 1071.2
LOCATION.--Lat 40°34'54", long 73°49'58", 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, 5.24 ft NGVD, January 11, 1982; lowest measured, 1.17 ft NGVD, October 11, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.38	DEC 14	4.28	FEB 28	3.78	APR 25	4.10	JUN 20	3.90	AUG 17	3.23
NOV 28	3.94	14	4.30	MAR 14	3.80	MAY 30	4.54	JUL 25	3.42	SEP 18	3.39
DEC 14	3.99										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	6.07	DEC 12	6.56	FEB 10	6.39	APR 27	7.04	JUN 21	8.53	AUG 23	7.72
NOV 21	6.23	JAN 18	6.52	APR 4	6.94	MAY 18	7.72	JUL 24	8.16		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	5.14	DEC 12	5.89	FEB 10	5.54	APR 27	6.38	JUN 21	7.81	AUG 23	6.67
NOV 21	5.58	JAN 18	5.68	APR 4	6.20	MAY 18	7.26	JUL 24	7.07		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.14	DEC 12	3.66	FEB 10	4.04	APR 27	4.38	JUN 21	5.05	AUG 23	5.94
NOV 21	3.73	JAN 18	3.93	APR 4	4.40	MAY 18	4.86	JUL 24	4.87		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	11.19	DEC 12	11.27	FEB 10	11.54	APR 27	12.70	JUN 21	14.79	AUG 23	16.41
NOV 17	11.25	JAN 18	11.30	APR 4	12.32	MAY 18	13.83	JUL 24	15.63		

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, 10.97 ft NGVD, August 23, 1989; lowest measured, -12.80 ft NGVD, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.83	DEC 12	4.19	FEB 10	5.94	APR 27	8.17	JUN 21	9.63	AUG 23	10.97
NOV 21	4.09	JAN 18	5.12	APR 4	7.22	MAY 18	8.50	JUL 24	10.14		

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.

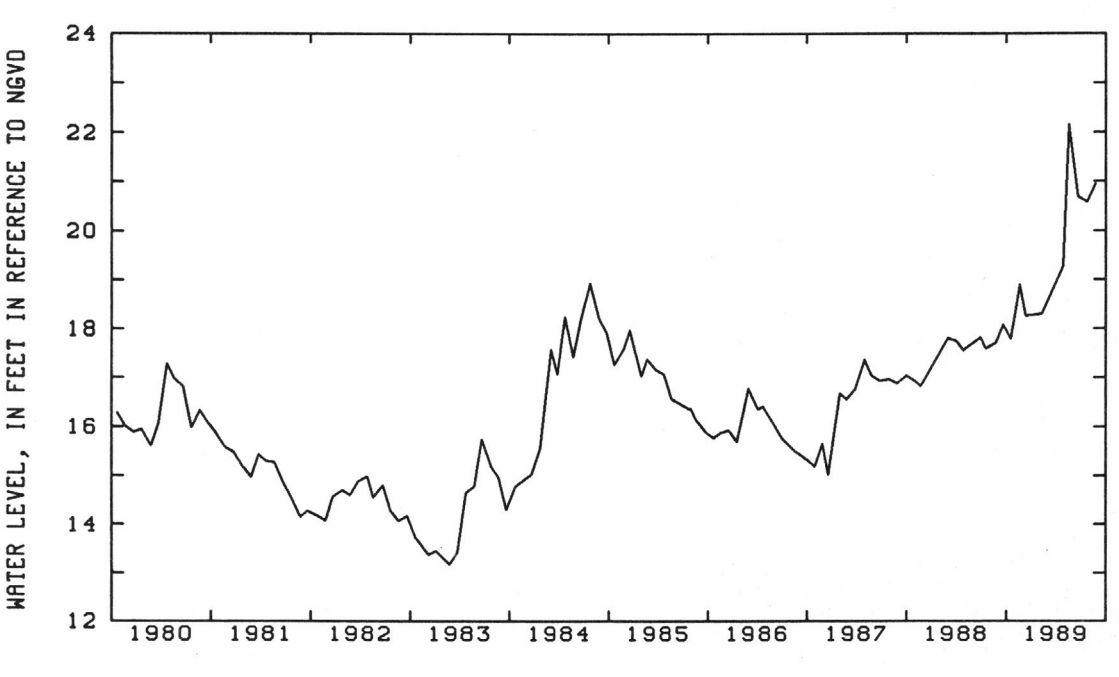
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.04	DEC 14	4.30	MAR 14	4.11	MAY 30	5.00	JUL 25	5.06	SEP 18	5.05
NOV 28	4.34	FEB 28	4.13	APR 25	4.31	JUN 20	5.19	AUG 17	5.04		

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 1988 TO SEPTEMBER 1989

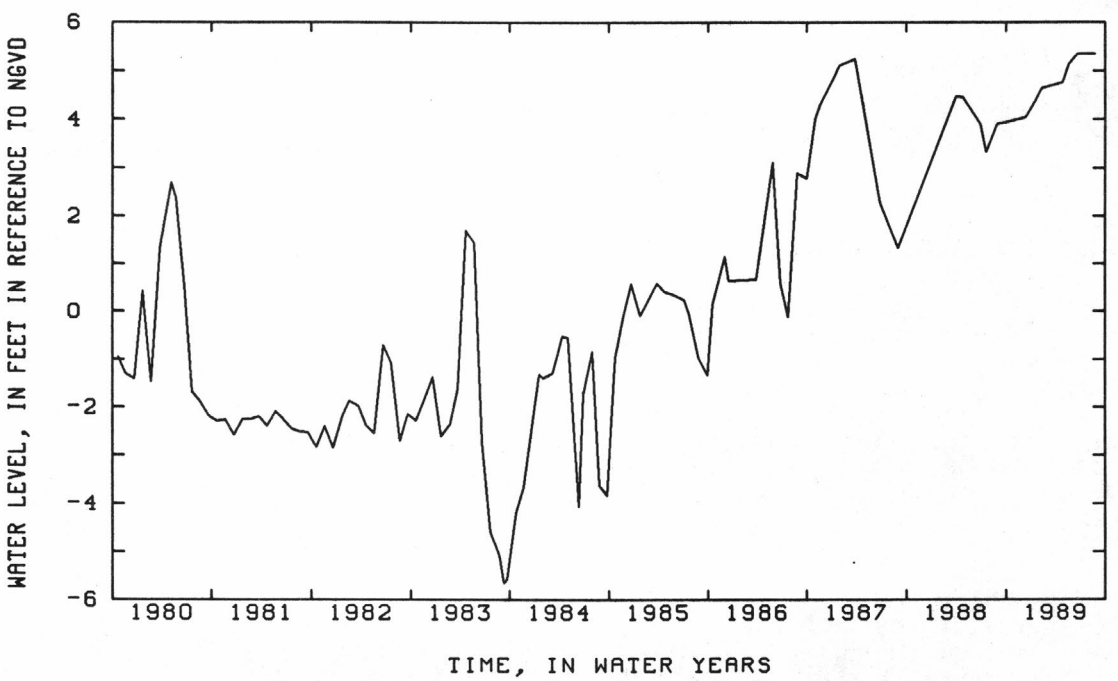
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	17.79	DEC 12	18.27	APR 27	19.28	JUN 21	20.69	JUL 24	20.59	AUG 23	20.95
NOV 21	18.90	FEB 10	18.30	MAY 18	22.16						



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, 5.36 ft NGVD, June 21 and August 23, 1989; lowest measured, -5.65 ft NGVD, September 7, 1970, and September 9 and 11, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	4.04	FEB 10	4.64	APR 27	4.77	MAY 18	5.13	JUN 21	5.36	AUG 23	5.36
JAN 18	4.41										



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	54.50	DEC 12	54.98	FEB 10	53.41	APR 27	55.21	JUN 21	57.40	AUG 23	57.32
NOV 21	54.63	JAN 18	54.65	APR 4	54.70	MAY 18	55.93	JUL 24	57.16		

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, 3.07 ft NGVD, September 18, 1989; lowest measured, -1.32 ft NGVD, September 26, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.23	DEC 14	2.99	MAR 14	2.47	MAY 30	2.96	JUL 25	2.98	SEP 18	3.07
NOV 28	2.97	FEB 28	2.56	APR 25	2.69	JUN 20	3.00	AUG 17	3.04		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.73	DEC 14	3.17	MAR 14	2.78	MAY 30	4.03	JUL 25	3.84	SEP 18	3.54
NOV 28	3.33	FEB 28	2.74	APR 25	3.21	JUN 20	4.18	AUG 17	3.91		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	23.85	DEC 12	23.89	FEB 10	23.59	APR 27	23.71	JUN 21	24.38	AUG 23	25.81
NOV 21	23.90	JAN 18	23.69	APR 4	23.55	MAY 18	23.90	JUL 24	24.64		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	13.18	DEC 12	13.01	FEB 10	12.82	APR 27	12.63	JUN 21	13.07	AUG 23	13.85
NOV 21	12.99	JAN 18	12.92	APR 4	12.66	MAY 18	12.69	JUL 24	13.49		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	6.80	DEC 12	6.81	FEB 10	6.56	JUN 21	6.87	JUL 24	7.01	AUG 23	7.08
NOV 21	7.12	JAN 18	6.68								

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, 11.67 ft NGVD, August 23, 1989; lowest measured, 6.08 ft NGVD, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	9.02	DEC 12	9.22	FEB 10	9.33	APR 27	9.49	JUN 21	10.72	AUG 23	11.67
NOV 21	9.05	JAN 18	9.41	APR 4	9.28	MAY 18	9.69	JUL 24	11.34		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	11.80	DEC 12	12.76	FEB 10	12.23	APR 27	13.33	JUN 21	15.53	AUG 23	14.32
NOV 21	12.49	JAN 18	12.39	APR 4	13.06	MAY 18	14.65	JUL 24	14.48		

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, 15.52 ft NGVD, August 23, 1989; lowest measured, 7.28 ft NGVD, March 2, 1984.

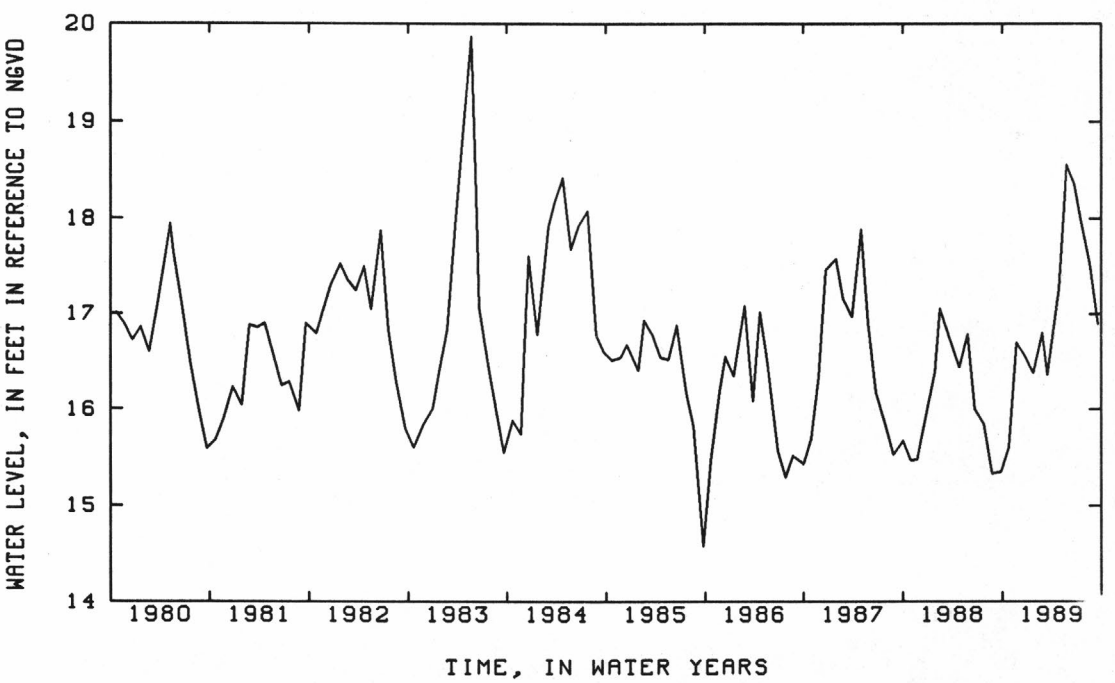
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	11.64	DEC 12	11.93	FEB 10	12.06	APR 27	12.60	JUN 21	14.57	AUG 23	15.52
NOV 21	11.80	JAN 18	12.13	APR 4	12.32	MAY 18	13.04	JUL 24	15.12		

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 1988 TO SEPTEMBER 1989

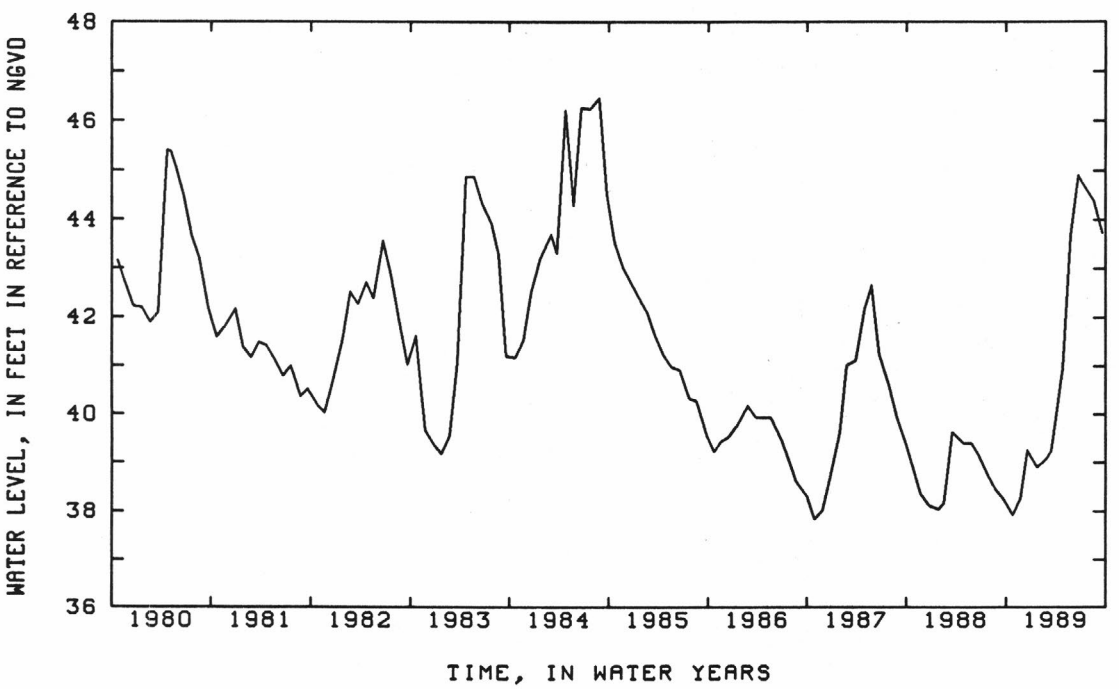
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	15.61	DEC 20	16.57	FEB 27	16.80	APR 26	17.27	JUN 23	18.36	AUG 18	17.54
NOV 23	16.70	JAN 24	16.38	MAR 16	16.36	MAY 26	18.56	JUL 18	17.96	SEP 18	16.89



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 1988 TO SEPTEMBER 1989

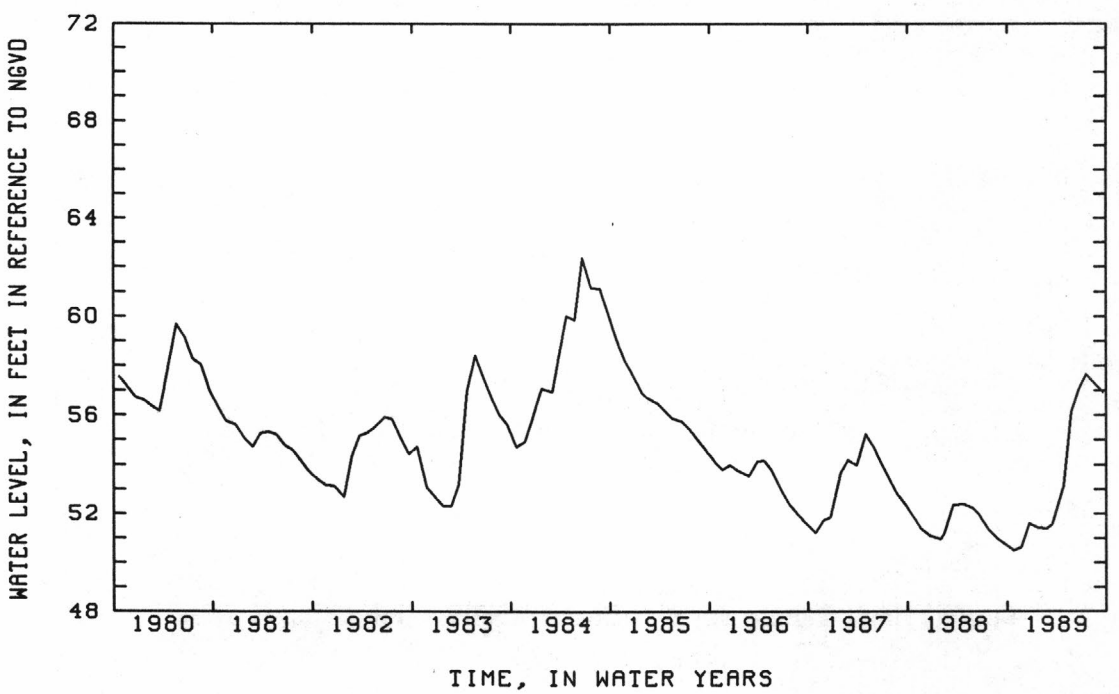
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	37.93	DEC 19	39.25	FEB 27	39.07	APR 26	40.97	JUN 23	44.91	AUG 18	44.39
NOV 23	38.26	JAN 24	38.91	MAR 16	39.25	MAY 26	43.68	JUL 18	44.66	SEP 18	43.74



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 1988 TO SEPTEMBER 1989

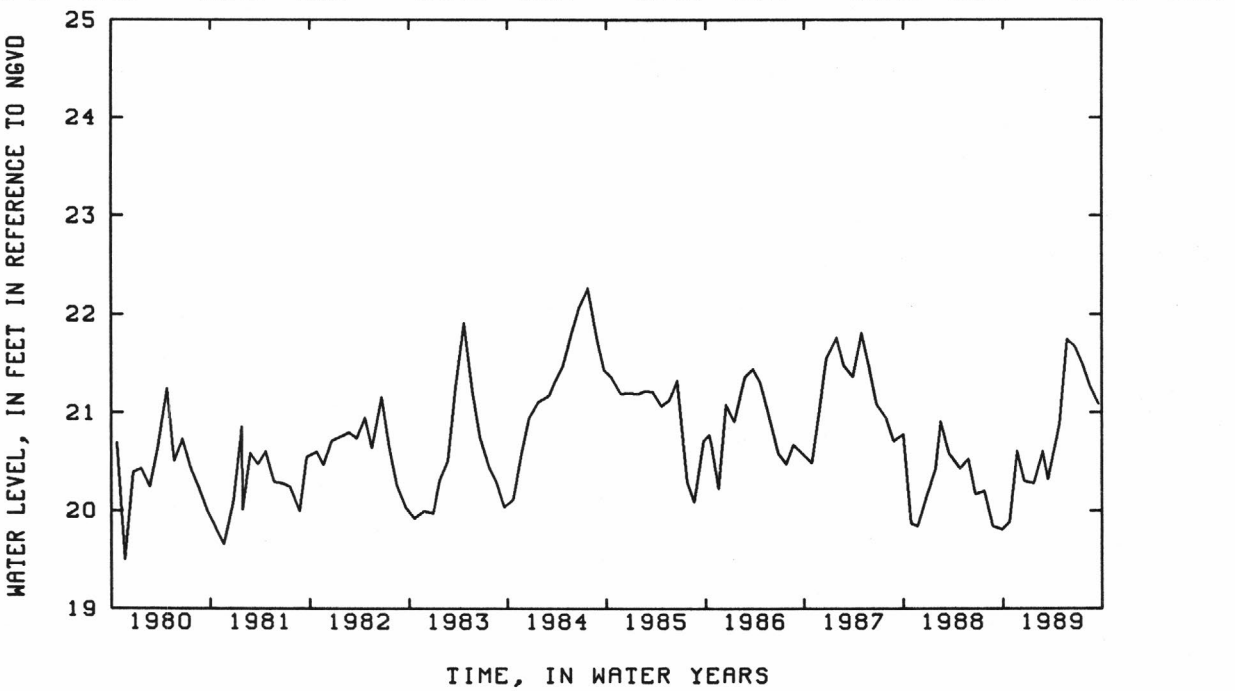
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	50.50	DEC 21	51.59	FEB 27	51.40	APR 26	53.14	JUN 23	57.07	AUG 18	57.27
NOV 23	50.63	JAN 24	51.42	MAR 16	51.56	MAY 26	56.16	JUL 18	57.66	SEP 18	56.93



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 1988 TO SEPTEMBER 1989

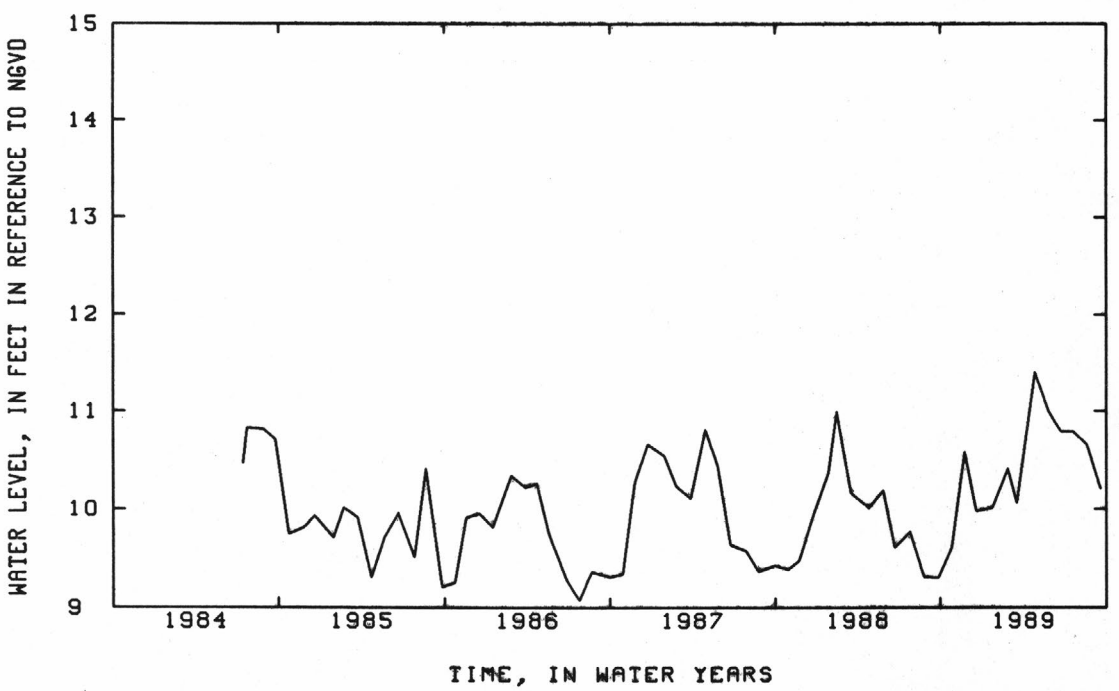
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.88	DEC 19	20.30	FEB 27	20.61	APR 26	20.88	JUN 23	21.68	AUG 18	21.26
NOV 23	20.61	JAN 24	20.28	MAR 16	20.32	MAY 26	21.74	JUL 18	21.51	SEP 18	21.09



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 1988 TO SEPTEMBER 1989

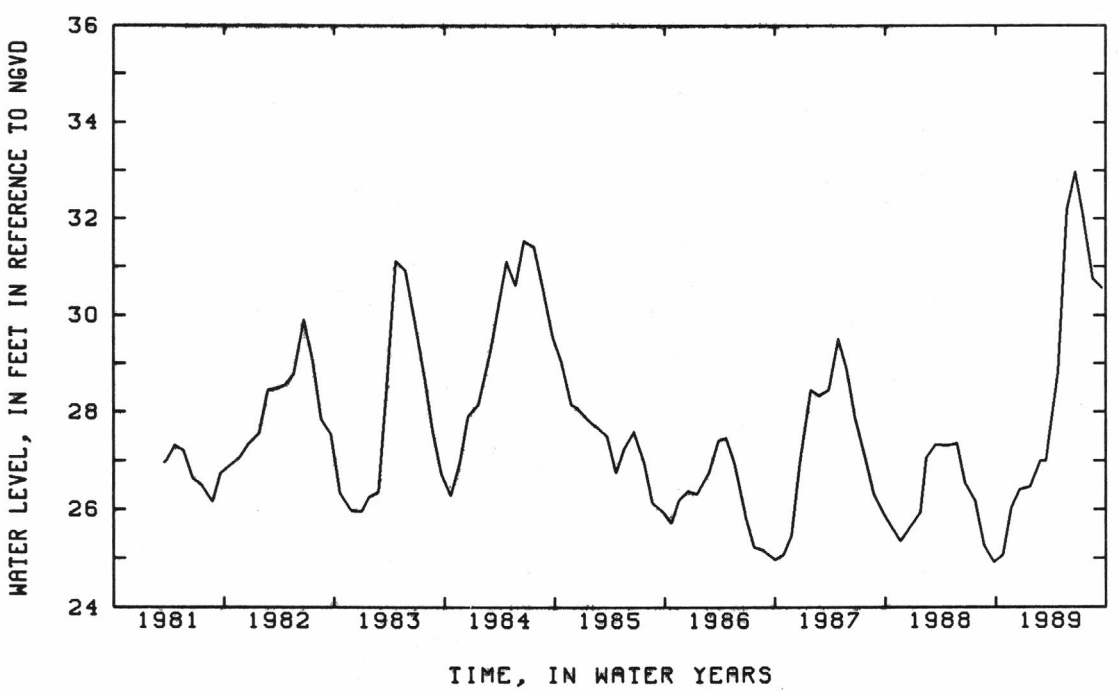
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.61	DEC 19	9.98	FEB 28	10.41	APR 26	11.40	JUN 23	10.79	AUG 18	10.66
NOV 23	10.58	JAN 24	10.01	MAR 16	10.06	MAY 26	10.99	JUL 18	10.79	SEP 18	10.21



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 28, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

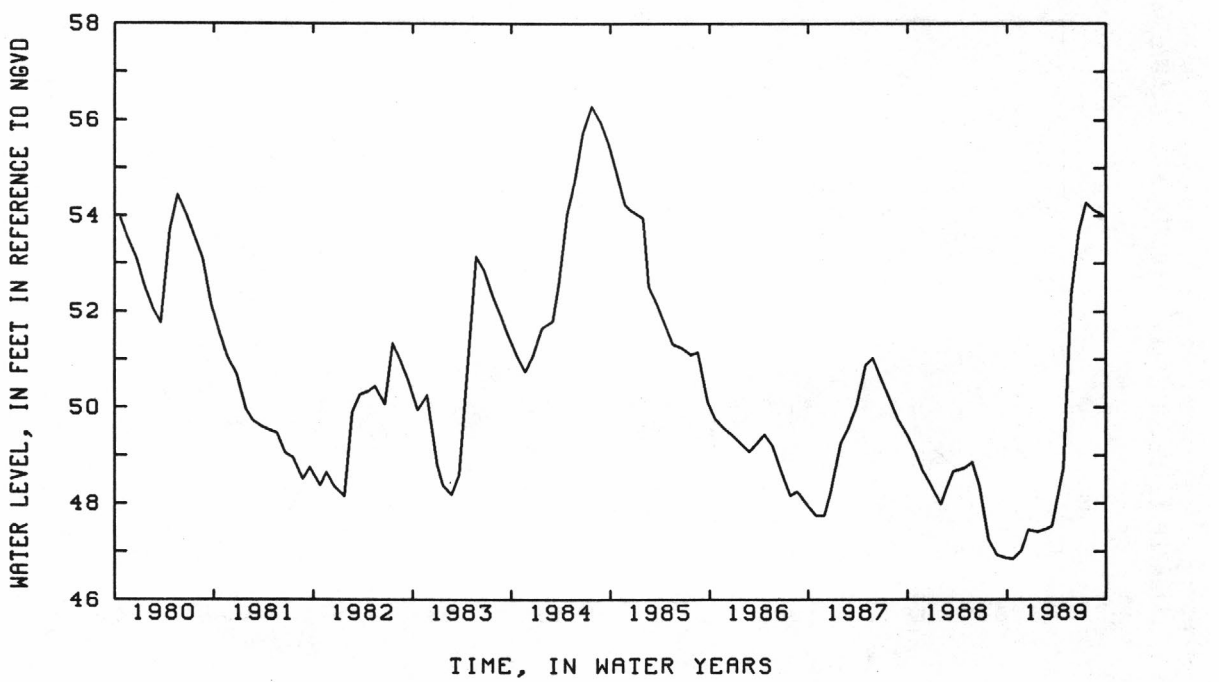
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	25.06	DEC 20	26.40	FEB 28	26.99	APR 26	28.83	JUN 23	32.97	AUG 18	30.76
NOV 23	26.03	JAN 24	26.46	MAR 16	26.99	MAY 26	32.20	JUL 18	32.07	SEP 18	30.56



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	46.86	DEC 19	47.45	FEB 27	47.47	APR 26	48.74	JUN 23	53.69	AUG 18	54.12
NOV 23	47.03	JAN 24	47.41	MAR 16	47.52	MAY 26	52.33	JUL 18	54.28	SEP 18	54.02



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, 55.73 ft NGVD, December 17, 1987; lowest measured, 53.29 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28	53.99	MAR 16	53.86	APR 19	54.27						

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	42.23	DEC 20	43.36	FEB 16	42.97	APR 19	43.87	JUN 27	47.82	AUG 22	47.83
NOV 21	42.98	JAN 23	42.91	MAR 22	43.19	MAY 25	46.05	JUL 27	47.99	SEP 28	47.59

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.

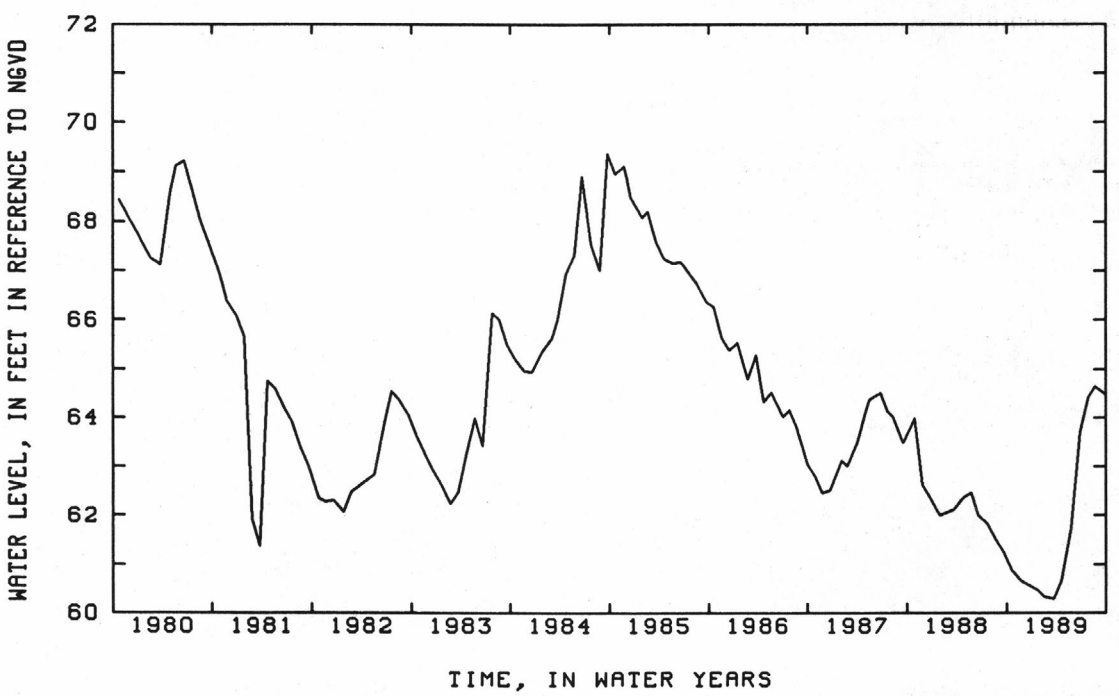
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	35.21	DEC 13	35.99	FEB 28	36.15	APR 26	37.27	JUN 22	40.46	AUG 23	40.61
NOV 22	35.77	JAN 24	35.94	MAR 20	36.17	MAY 22	39.17	JUL 25	40.45	SEP 25	39.98

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 1988 TO SEPTEMBER 1989

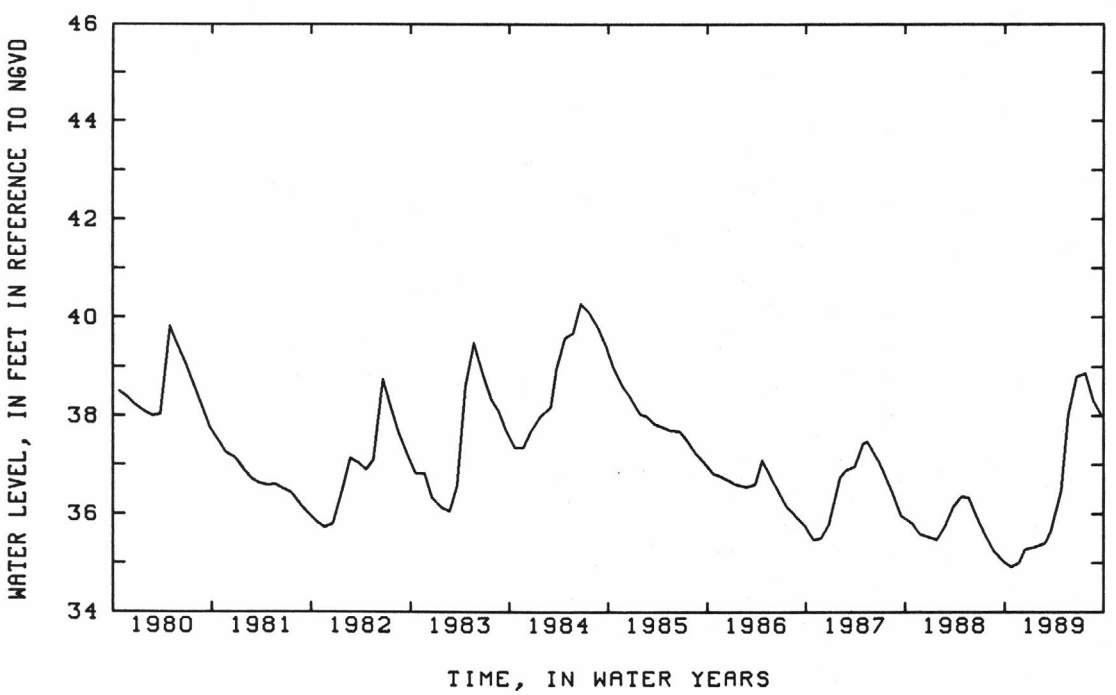
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	60.88	JAN 23	60.47	MAR 22	60.29	MAY 25	61.74	JUL 27	64.43	SEP 28	64.49
NOV 21	60.67	FEB 16	60.33	APR 19	60.67	JUN 27	63.71	AUG 22	64.64		



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 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

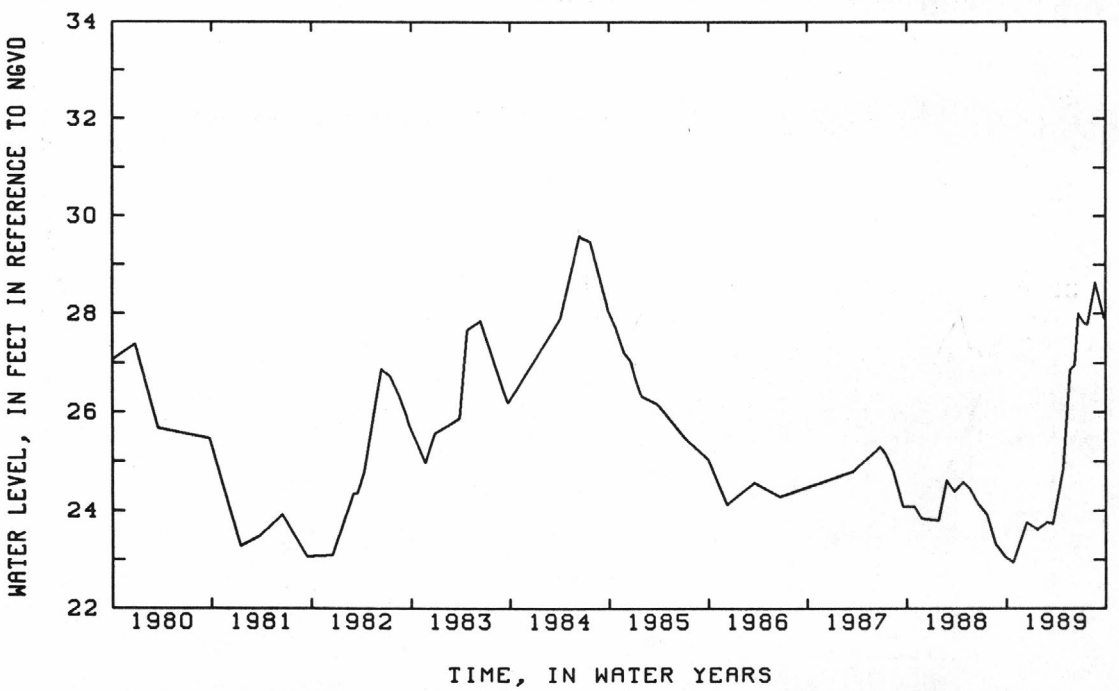
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	34.92	DEC 13	35.27	FEB 28	35.40	APR 26	36.48	JUN 22	38.80	AUG 23	38.31
NOV 22	34.99	JAN 24	35.33	MAR 20	35.65	MAY 23	38.03	JUL 25	38.87	SEP 25	37.99



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 1988 TO SEPTEMBER 1989

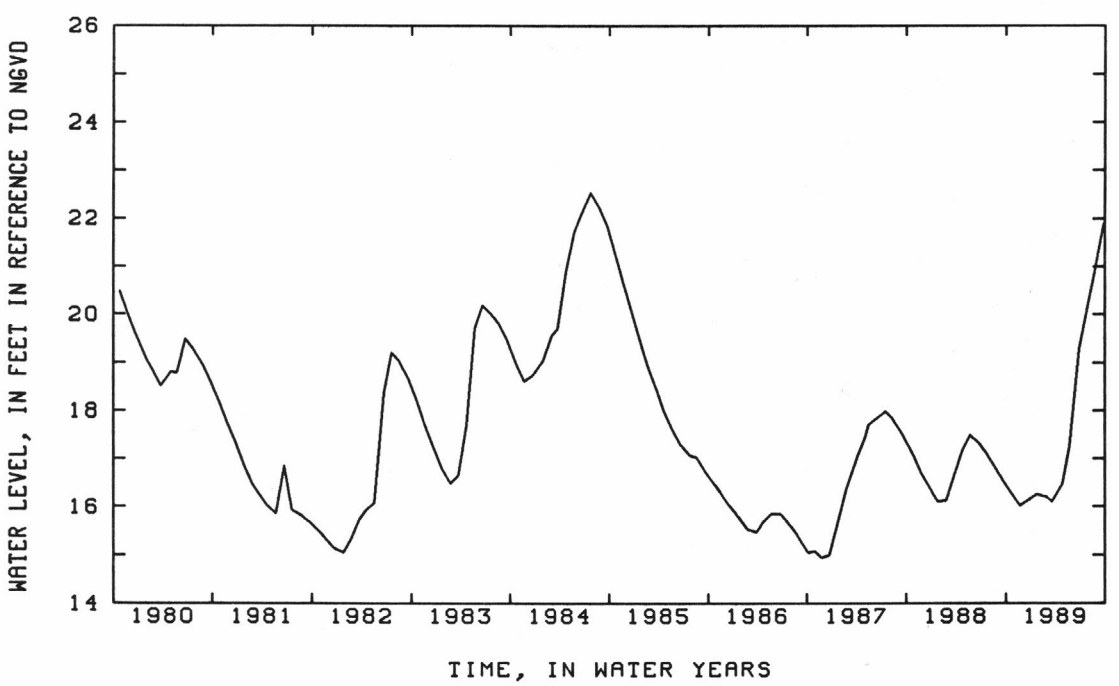
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	22.94	JAN 24	23.61	APR 26	24.86	JUN 8	26.96	JUL 14	27.81	AUG 23	28.63
NOV 22	23.42	FEB 28	23.76	MAY 23	26.87	22	28.01	25	27.78	SEP 25	27.90
DEC 13	23.76	MAR 20	23.73								



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.25	DEC 29	16.15	FEB 28	16.20	APR 26	16.47	JUN 28	19.28	AUG 23	20.90
NOV 22	16.02	JAN 24	16.25	MAR 20	16.11	MAY 23	17.26	JUL 26	20.09	SEP 25	21.89



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.

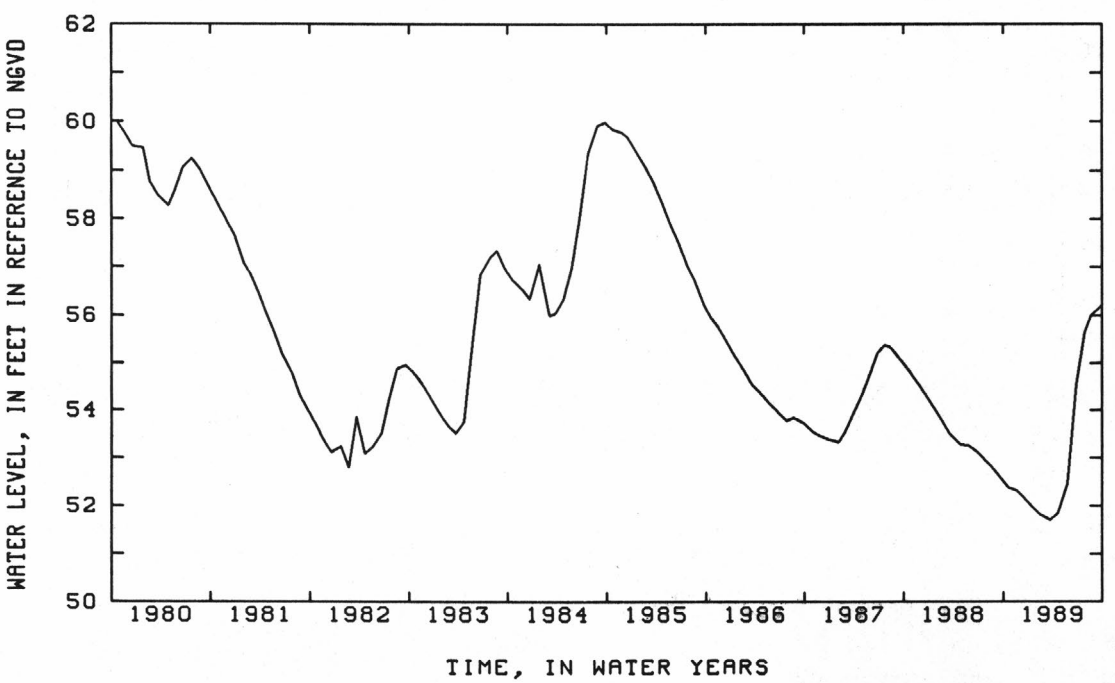
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	52.20	DEC 20	51.87	FEB 16	51.68	APR 19	52.17	JUN 27	54.63	AUG 22	55.57
NOV 21	52.01	JAN 23	51.78	MAR 22	51.76	MAY 25	53.61	JUL 27	55.31	SEP 28	55.91

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 1988 TO SEPTEMBER 1989

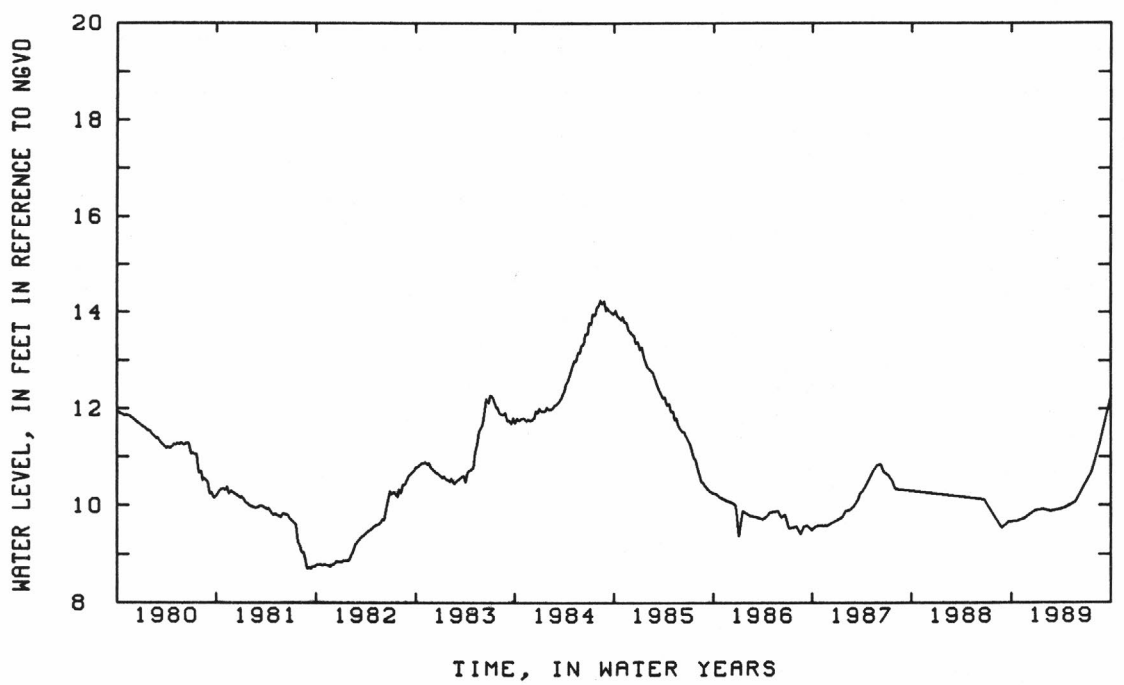
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	52.37	DEC 20	52.14	FEB 16	51.81	APR 19	51.84	JUN 27	54.55	AUG 22	56.01
NOV 21	52.32	JAN 23	51.93	MAR 22	51.70	MAY 26	52.47	JUL 27	55.65	SEP 28	56.19



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	9.68	DEC 29	9.90	FEB 23	9.88	APR 18	9.96	JUN 23	10.40	AUG 22	11.29
NOV 21	9.74	JAN 27	9.93	MAR 27	9.93	MAY 22	10.07	JUL 21	10.69	SEP 28	12.21



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.

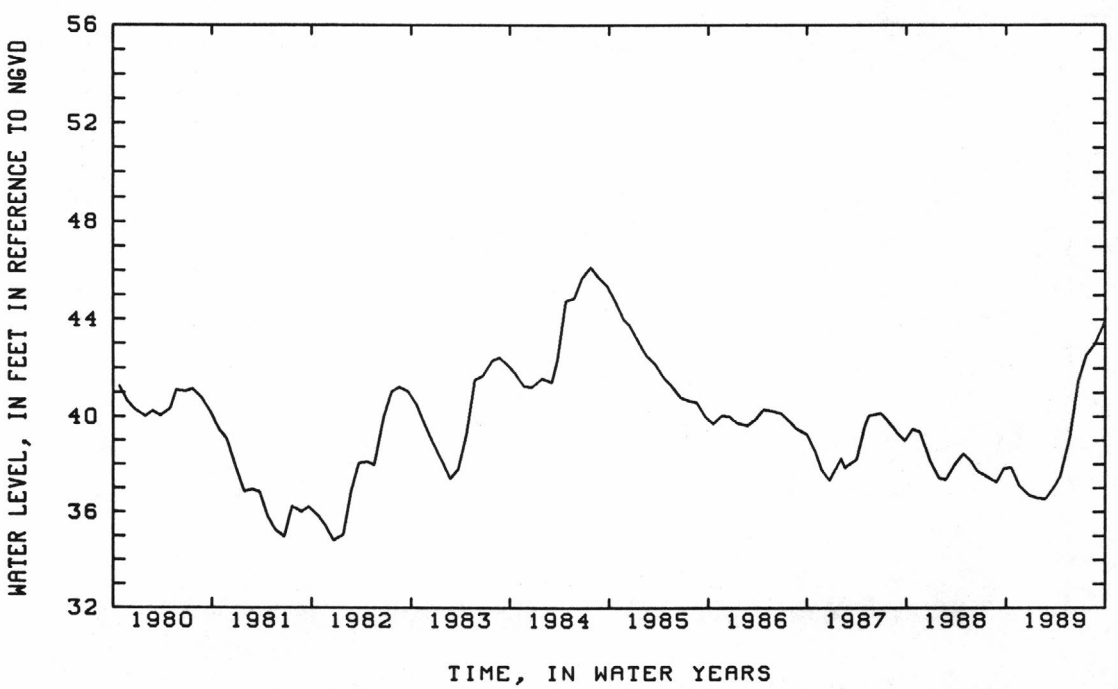
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	7.74	DEC 29	8.97	FEB 23	9.11	APR 18	9.61	JUL 21	10.07	SEP 28	10.10
NOV 21	8.94	JAN 27	8.88	MAR 27	9.45	JUN 23	9.89	AUG 22	10.49		

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 1988 TO SEPTEMBER 1989

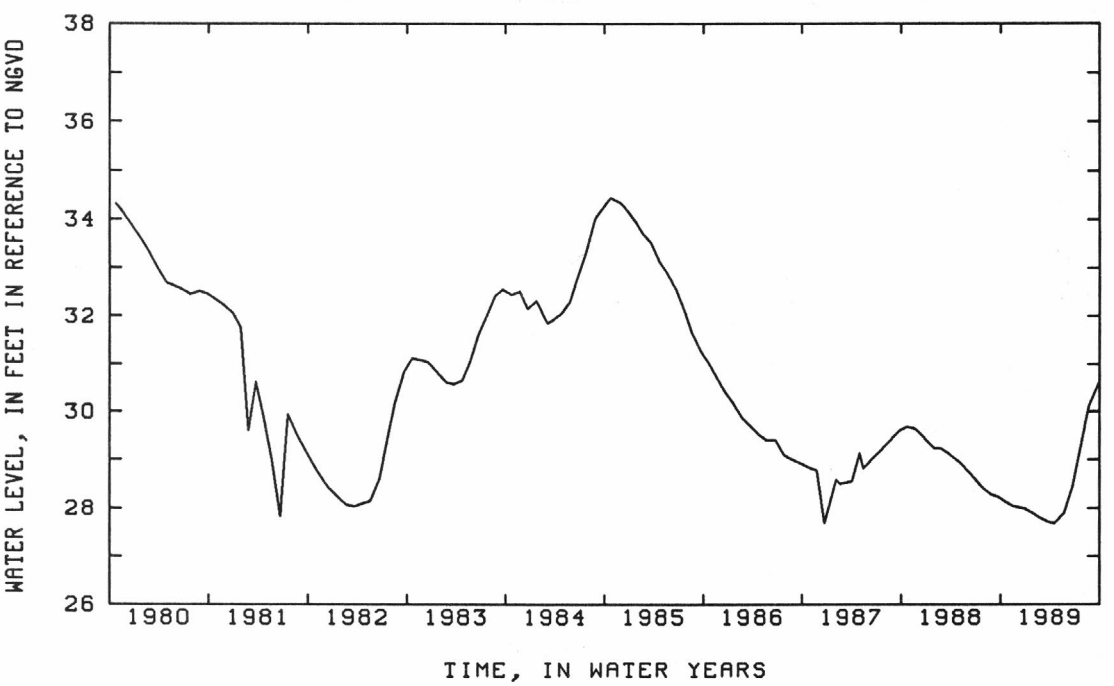
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.88	DEC 29	36.70	FEB 23	36.56	APR 18	37.49	JUN 23	41.46	AUG 22	42.97
NOV 21	37.09	JAN 27	36.59	MAR 27	37.09	MAY 22	39.15	JUL 21	42.51	SEP 28	43.91



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 1988 TO SEPTEMBER 1989

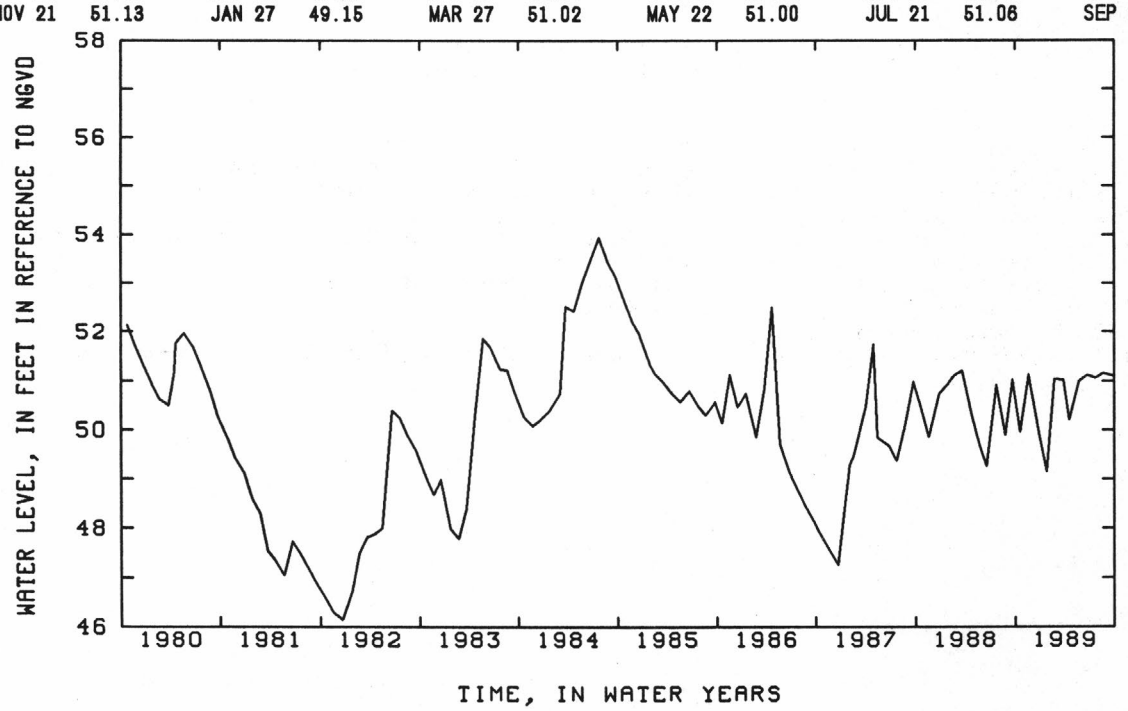
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	28.13	DEC 29	27.99	FEB 23	27.80	APR 18	27.68	JUN 23	28.45	AUG 22	30.10
NOV 21	28.04	JAN 27	27.90	MAR 27	27.70	MAY 22	27.90	JUL 21	29.23	SEP 28	30.62



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	49.96	DEC 29	49.94	FEB 23	51.04	APR 18	50.21	JUN 23	51.11	AUG 22	51.15
NOV 21	51.13	JAN 27	49.15	MAR 27	51.02	MAY 22	51.00	JUL 21	51.06	SEP 28	51.10



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	39.49	DEC 29	40.78	FEB 23	40.63	APR 18	41.92	JUN 23	45.43	AUG 22	46.52
NOV 21	39.97	JAN 27	39.90	MAR 27	41.06	MAY 22	43.37	JUL 21	45.95	SEP 28	46.77

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	29.68	DEC 29	29.95	FEB 23	29.99	APR 18	30.30	JUN 23	31.83	AUG 22	32.94
NOV 21	30.13	JAN 27	30.07	MAR 27	29.99	MAY 22	30.87	JUL 21	29.89	SEP 28	33.12

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	34.45	DEC 29	36.10	FEB 23	36.14	APR 18	37.33	JUN 23	38.90	AUG 22	39.66
NOV 21	35.37	JAN 27	35.95	MAR 27	36.67	MAY 22	39.31	JUL 21	39.01	SEP 28	38.68

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	35.30	DEC 29	35.83	FEB 23	35.93	APR 18	36.74	JUN 23	39.59	AUG 22	40.81
NOV 21	35.52	JAN 27	35.95	MAR 27	36.21	MAY 22	38.05	JUL 21	40.05	SEP 28	40.63

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.17	DEC 29	1.22	FEB 23	1.27	APR 18	1.68	JUN 23	2.54	AUG 22	2.84
NOV 21	1.31	JAN 27	1.15	MAR 27	1.45	MAY 22	2.22	JUL 21	2.75	SEP 28	2.07

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.71	DEC 29	4.29	FEB 23	4.07	APR 18	4.84	JUN 23	5.86	AUG 22	6.64
NOV 21	4.26	JAN 27	4.14	MAR 27	4.40	MAY 22	5.43	JUL 21	6.05	SEP 28	6.05
DEC 7	4.24										

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, 18.70 ft NGVD, August 30, 1989; lowest measured, 12.84 ft NGVD, March 29, 1982.

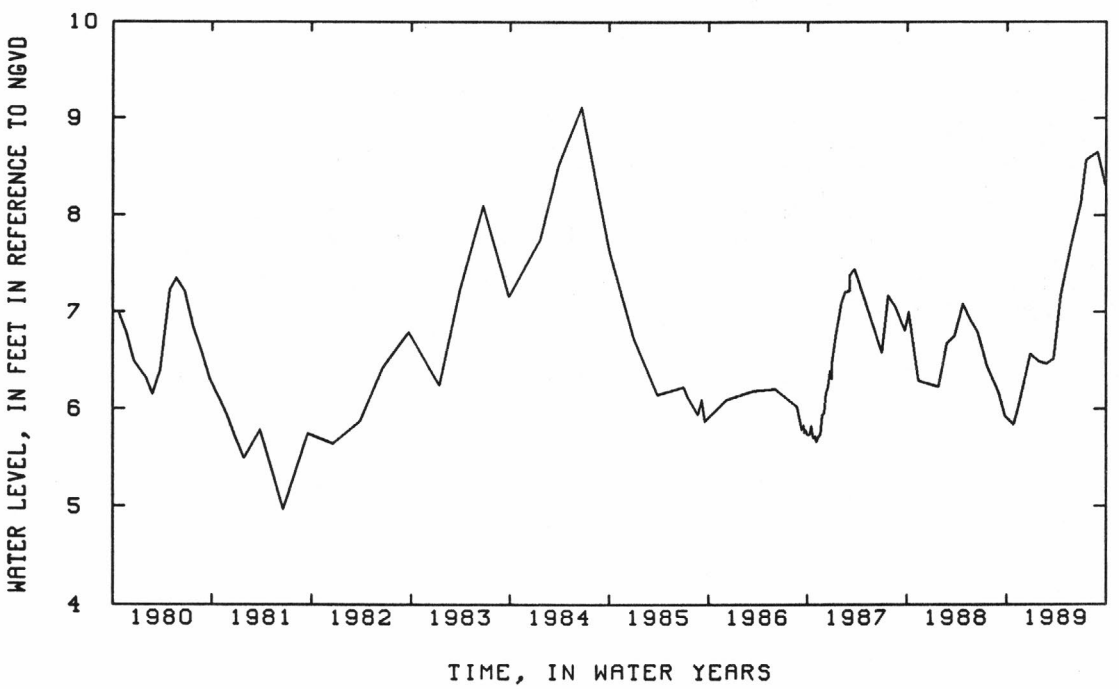
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	15.94	FEB 27	15.83	APR 17	16.45	JUN 29	18.10	AUG 30	18.70	SEP 27	18.69
JAN 31	15.83	MAR 23	15.78	MAY 25	16.37	JUL 18	18.62				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.84	DEC 29	6.57	FEB 27	6.47	APR 17	7.18	JUN 29	8.13	AUG 30	8.65
NOV 18	6.07	JAN 31	6.49	MAR 23	6.52	MAY 25	7.69	JUL 18	8.57	SEP 27	8.31



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.

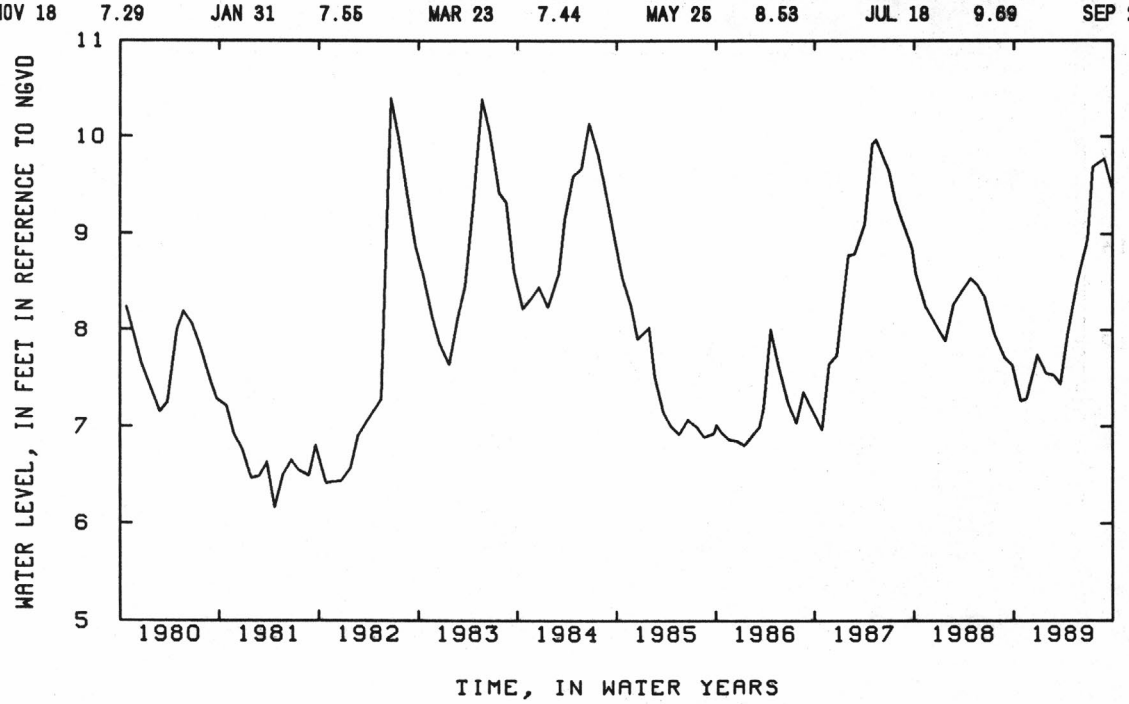
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	10.31	MAR 23	10.34	MAY 25	11.49	JUL 18	12.67	AUG 30	12.55	SEP 27	12.48
MAR 2	10.29	APR 17	10.93	JUN 29	11.94						

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, Amagansett. 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 1988 TO SEPTEMBER 1989

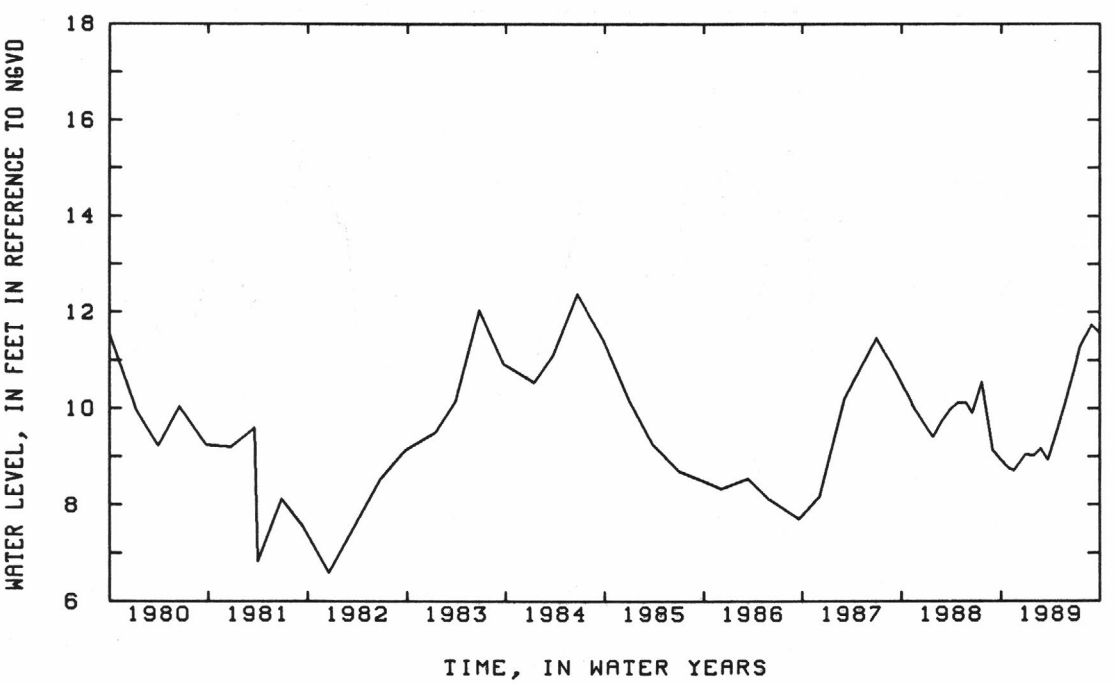
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.27	DEC 29	7.75	FEB 27	7.54	APR 17	7.95	JUN 29	8.95	AUG 30	9.77
NOV 18	7.29	JAN 31	7.55	MAR 23	7.44	MAY 25	8.53	JUL 18	9.69	SEP 27	9.48



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	8.77	DEC 29	9.04	FEB 27	9.17	APR 17	9.40	JUN 29	10.85	AUG 30	11.74
NOV 18	8.72	JAN 31	9.02	MAR 23	8.93	MAY 25	10.12	JUL 18	11.28	SEP 27	11.57



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.28	DEC 29	5.83	FEB 27	5.73	APR 17	6.35	JUN 29	7.26	AUG 30	7.06
NOV 18	5.41	JAN 31	5.60	MAR 23	5.68	MAY 25	6.96	JUL 18	7.47	SEP 27	6.83

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.13	DEC 20	37.63	FEB 16	37.51	APR 19	37.79	JUN 27	39.03	AUG 22	41.79
NOV 21	37.25	JAN 23	37.64	MAR 22	37.53	MAY 26	37.76	JUL 27	40.59	SEP 28	42.84

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.58	DEC 29	1.98	FEB 23	1.83	APR 18	2.95	JUN 23	3.57	AUG 22	3.12
NOV 21	2.05	JAN 27	1.74	MAR 27	2.38	MAY 22	3.02	JUL 21	3.26	SEP 28	2.37

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.

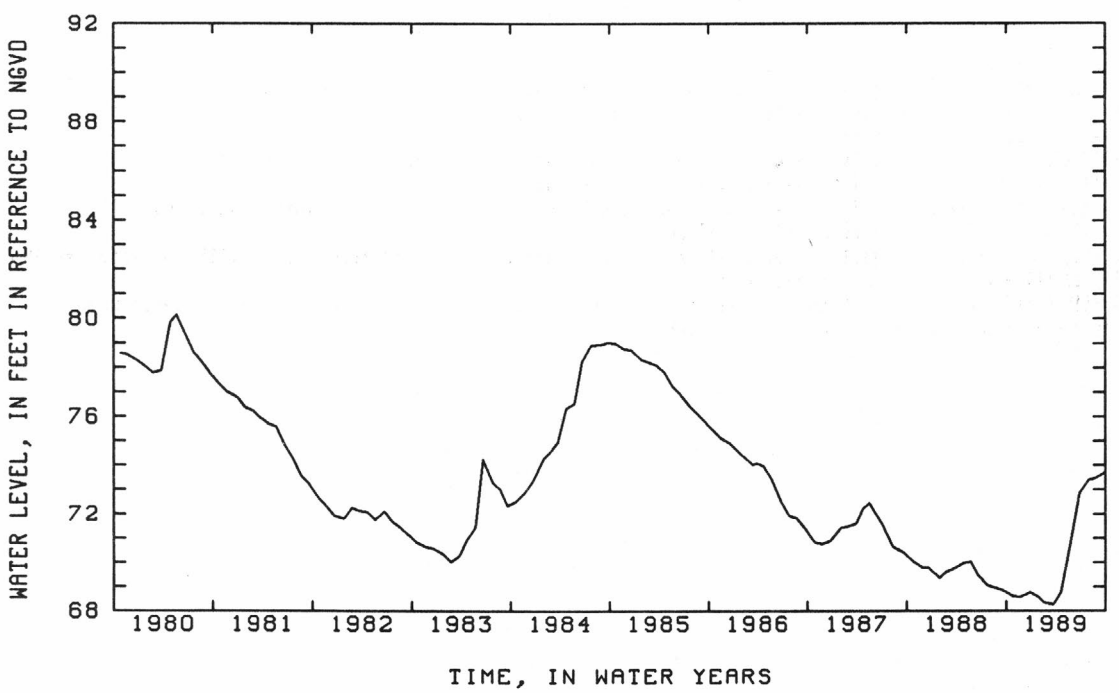
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	2.06	DEC 29	2.56	FEB 23	2.39	APR 18	3.08	JUN 23	4.52	AUG 22	4.28
NOV 21	2.16	JAN 27	2.43	MAR 27	2.59	MAY 22	3.84	JUL 21	4.54	SEP 28	3.83

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	68.61	DEC 29	68.76	FEB 16	68.35	APR 19	68.79	JUN 27	72.88	AUG 22	73.46
NOV 22	68.57	JAN 23	68.61	MAR 22	68.26	MAY 26	70.84	JUL 31	73.40	SEP 28	73.70



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	29.26	DEC 20	29.79	FEB 16	29.83	APR 19	30.46	JUN 27	31.69	AUG 22	31.57
NOV 21	29.65	JAN 23	29.69	MAR 22	29.94	MAY 25	31.61	JUL 27	31.62	SEP 28	31.54

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.

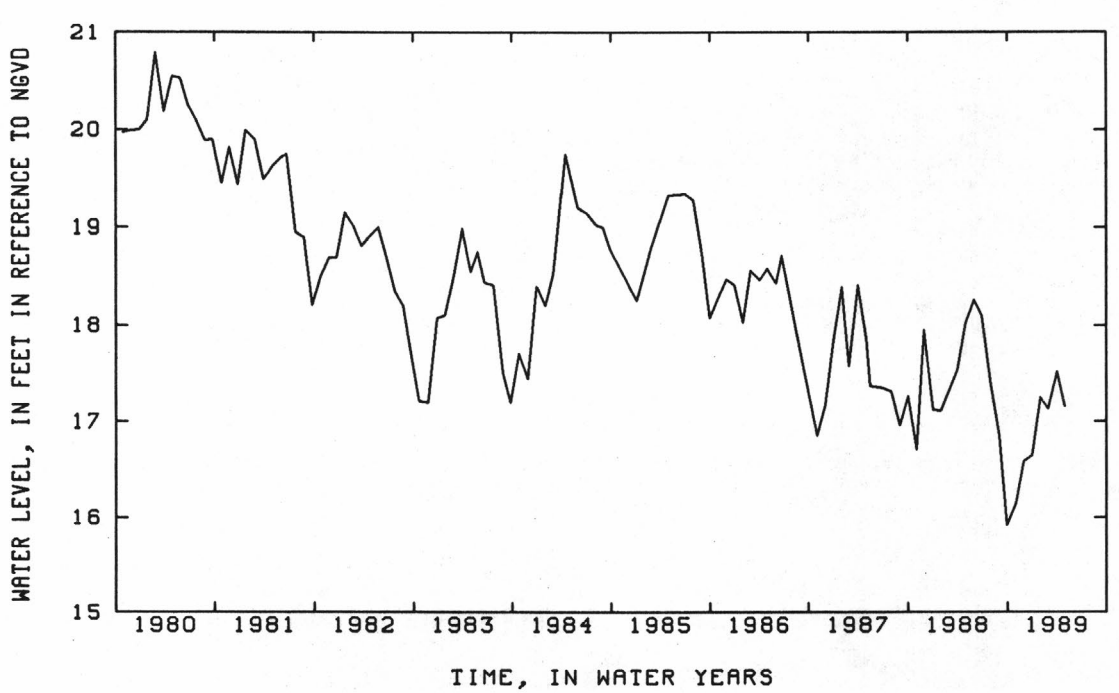
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	23.31	DEC 29	24.87	FEB 28	25.40	APR 26	26.26	JUL 26	26.96	SEP 25	26.32
NOV 22	24.41	JAN 24	24.84	MAR 20	25.14	JUN 28	27.57	AUG 23	26.68		

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.--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 6-in. steel casing, 13.68 ft above land-surface datum.
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.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

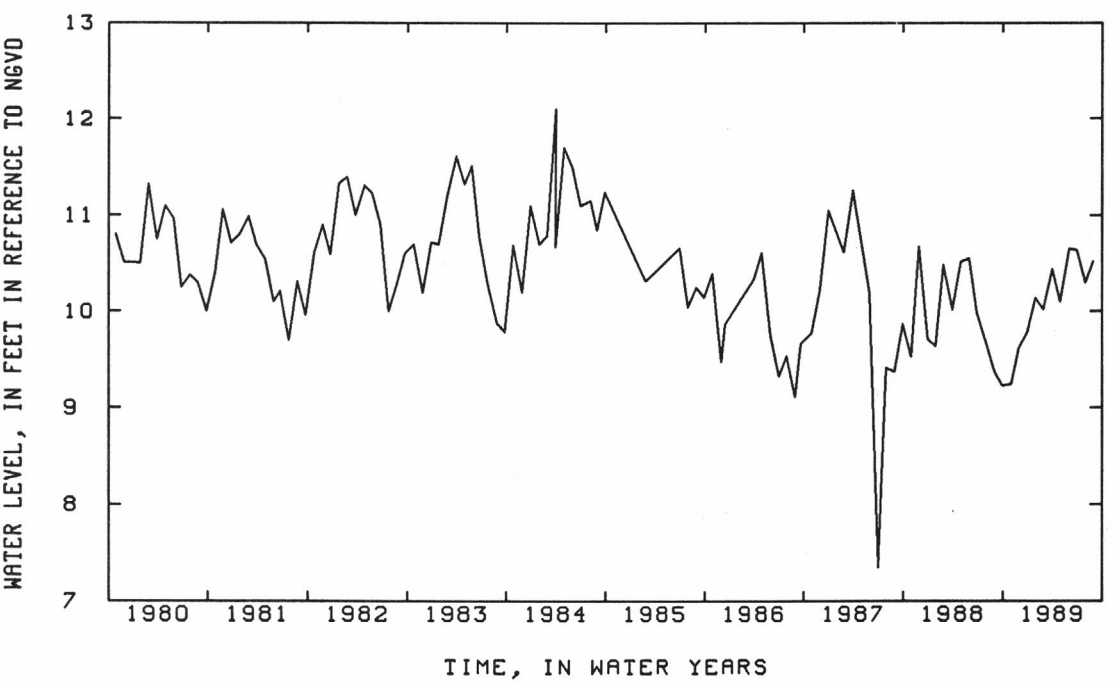
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	16.15	DEC 31	16.65	JAN 31	17.25	FEB 28	17.13	MAR 31	17.52	APR 30	17.16
NOV 30	16.59										



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.--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 6-in. steel casing, 20.01 ft above land-surface datum.
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.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	9.24	DEC 31	9.79	FEB 28	10.02	APR 30	10.10	JUN 30	10.64	AUG 29	10.52
NOV 30	9.62	JAN 31	10.14	MAR 31	10.44	MAY 31	10.65	JUL 31	10.30		



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	38.18	JAN 11	38.97	FEB 16	38.86	APR 19	39.70	JUN 27	42.50	AUG 22	42.25
NOV 21	38.54	23	39.02	MAR 22	38.89	MAY 25	41.63	JUL 27	42.09	SEP 28	42.43
DEC 20	38.95										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	38.43	DEC 20	39.20	JAN 23	39.23	MAR 22	39.33	APR 19	40.14	MAY 25	42.21
NOV 21	38.71	JAN 11	39.16	FEB 16	39.10						

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	47.91	DEC 20	48.64	FEB 16	48.33	APR 19	48.91	JUN 27	52.31	AUG 22	53.70
NOV 21	48.40	JAN 23	48.89	MAR 22	48.42	MAY 25	50.44	JUL 27	52.87	SEP 28	54.22

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.

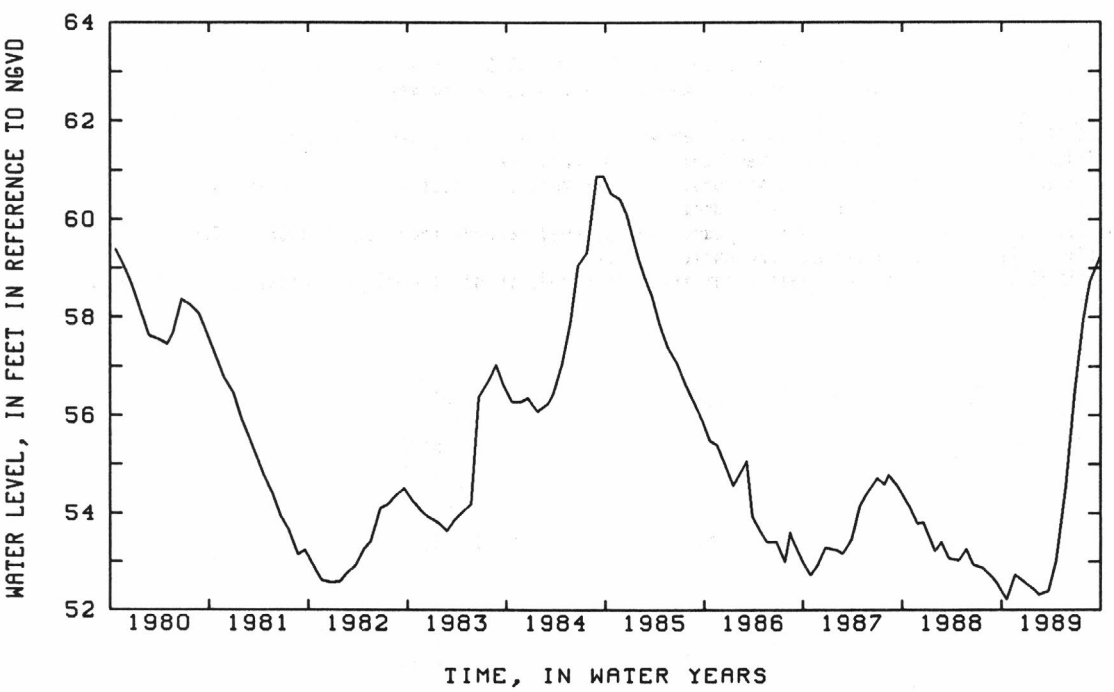
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	48.49	DEC 20	49.15	FEB 16	48.95	APR 19	49.50	JUN 27	52.92	AUG 22	54.36
NOV 21	48.97	JAN 23	49.35	MAR 22	49.04	MAY 25	50.57	JUL 27	53.61	SEP 28	54.89

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	52.23	DEC 20	52.59	FEB 16	52.31	APR 19	53.02	JUN 27	56.51	AUG 22	58.71
NOV 21	52.72	JAN 23	52.45	MAR 22	52.39	MAY 25	54.56	JUL 27	57.95	SEP 28	59.24



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	38.30	DEC 20	39.00	FEB 16	38.41	APR 19	38.70	JUN 27	39.54	AUG 22	40.57
NOV 21	38.84	JAN 23	38.44	MAR 22	38.43	MAY 25	38.86	JUL 27	39.82	SEP 28	40.94

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.

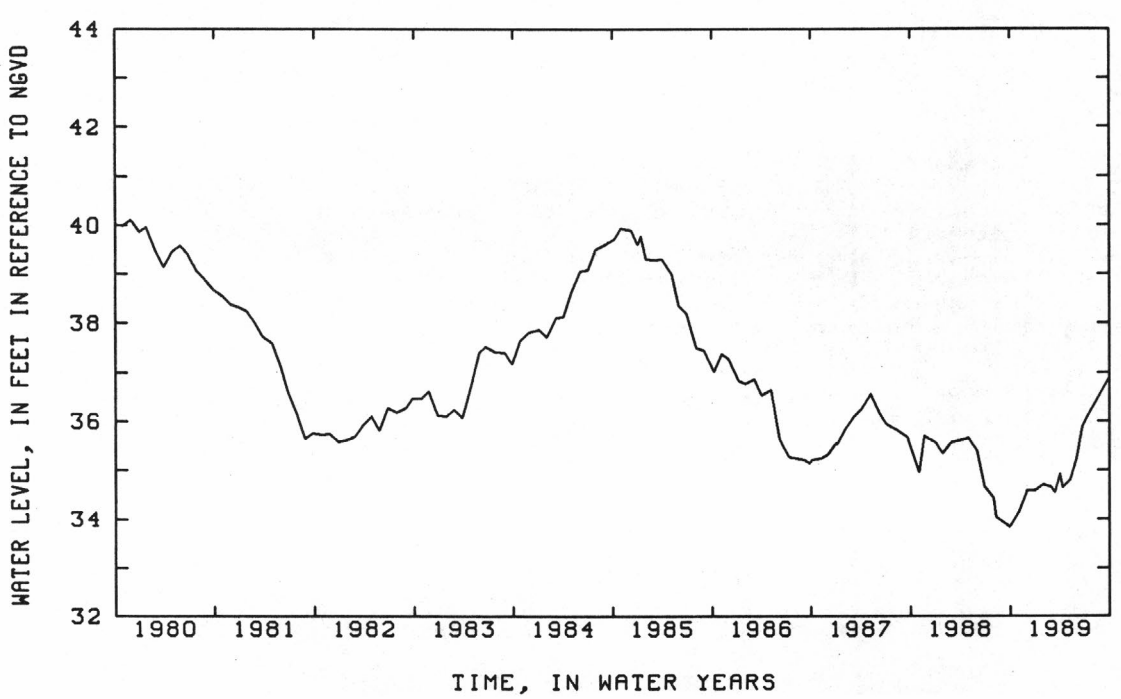
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	39.49	DEC 20	40.45	FEB 16	40.09	APR 19	40.23	JUN 27	40.89	AUG 22	42.11
NOV 21	40.24	JAN 23	40.22	MAR 22	40.19	MAY 25	40.43	JUL 27	40.97	SEP 28	42.84

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

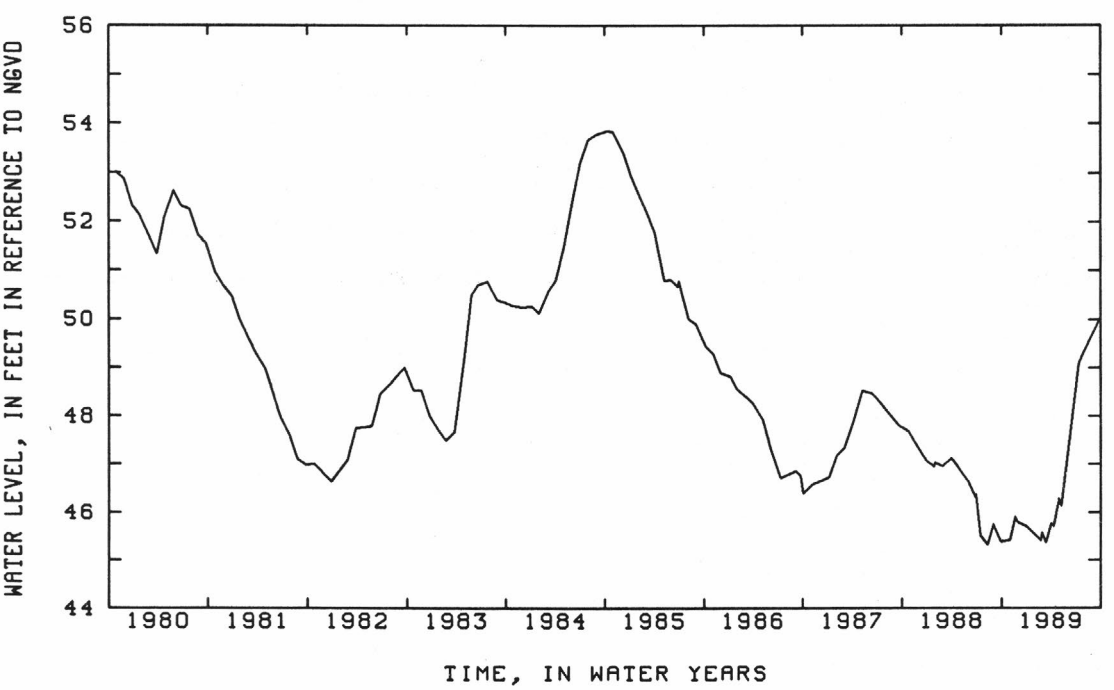
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	34.14	DEC 31	34.58	FEB 28	34.67	APR 10	34.65	MAY 9	34.81	JUL 11	36.10
NOV 30	34.55	JAN 31	34.70	MAR 13	34.55	30	34.74	31	35.24	SEP 30	36.90
DEC 1	34.58	FEB 23	34.66	31	34.93	30	34.75	JUN 24	35.90	30	36.88



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	45.42	DEC 31	45.71	FEB 28	45.58	APR 10	45.71	MAY 9	46.14	SEP 30	50.05
NOV 20	45.90	JAN 31	45.53	MAR 13	45.37	30	46.25	JUL 11	49.09	30	50.06
DEC 1	45.78	FEB 23	45.41	31	45.76	30	46.28	30	49.34		



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	16.76	DEC 29	16.75	FEB 27	16.57	APR 17	16.65	JUN 29	17.51	AUG 30	18.79
NOV 18	16.63	JAN 31	16.70	MAR 23	16.50	MAY 25	16.94	JUL 18	17.83	SEP 27	19.08

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	12.84	DEC 29	12.98	FEB 27	13.03	APR 17	13.24	AUG 30	14.80	SEP 27	14.74
NOV 18	12.75	JAN 31	13.03	MAR 23	12.80	MAY 25	13.54				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	19.06	DEC 29	19.09	FEB 28	19.04	APR 26	19.57	JUN 28	22.78	AUG 23	24.07
NOV 22	18.97	JAN 24	19.07	MAR 20	19.02	MAY 25	20.96	JUL 26	23.29	SEP 25	24.46

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.

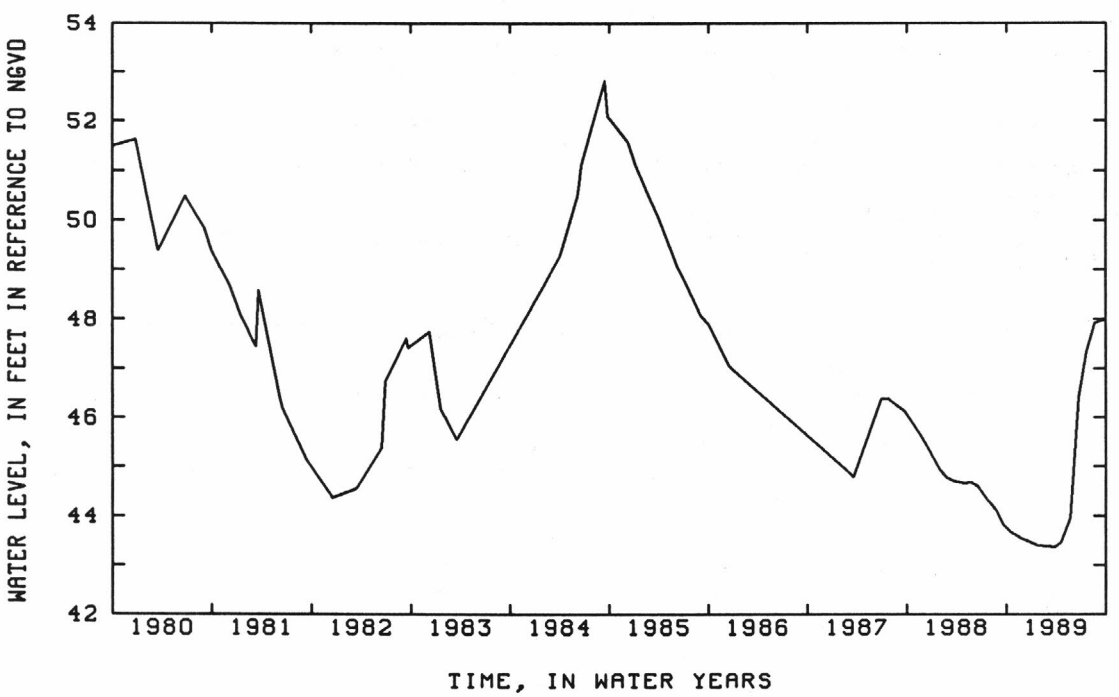
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	17.41	DEC 29	17.20	FEB 28	17.18	APR 26	17.50	JUN 28	19.35	AUG 23	20.68
NOV 22	17.15	JAN 24	17.25	MAR 20	17.08	MAY 25	18.17	JUL 26	19.88	SEP 25	21.10

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 1988 TO SEPTEMBER 1989

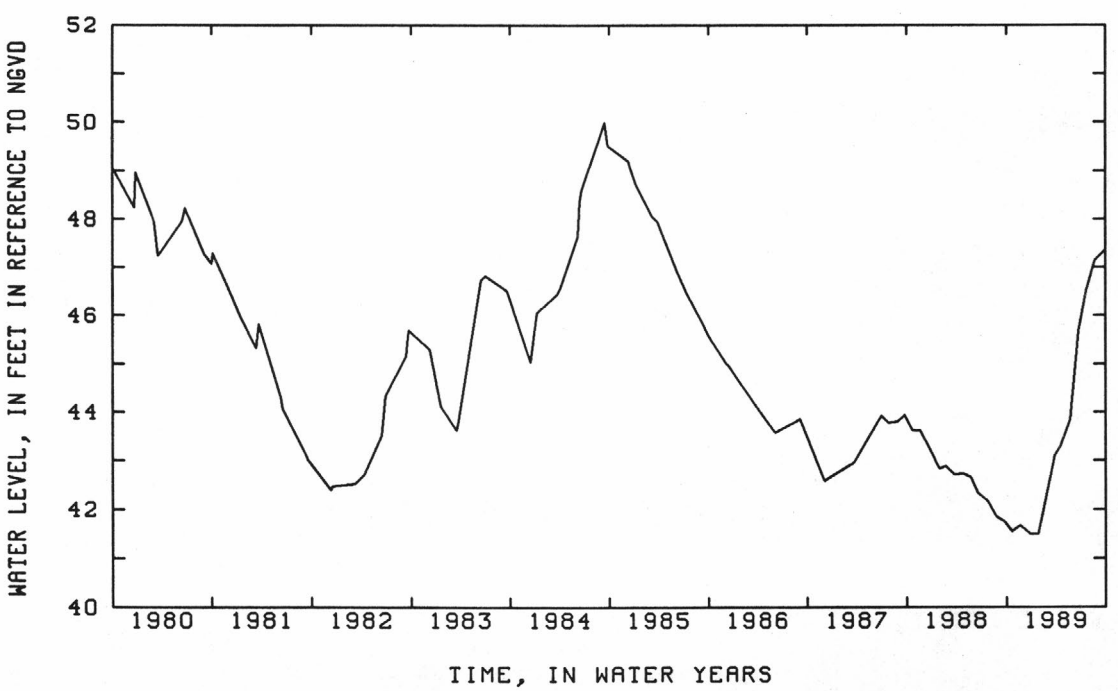
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	43.65	DEC 29	43.46	MAR 27	43.37	MAY 22	43.95	JUL 21	47.34	SEP 28	47.99
NOV 21	43.55	JAN 27	43.39	APR 18	43.44	JUN 23	46.42	AUG 22	47.92		



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	41.55	DEC 29	41.49	MAR 27	43.11	MAY 22	43.84	JUL 21	46.52	SEP 28	47.36
NOV 21	41.66	JAN 27	41.50	APR 18	43.30	JUN 23	45.68	AUG 22	47.13		



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.

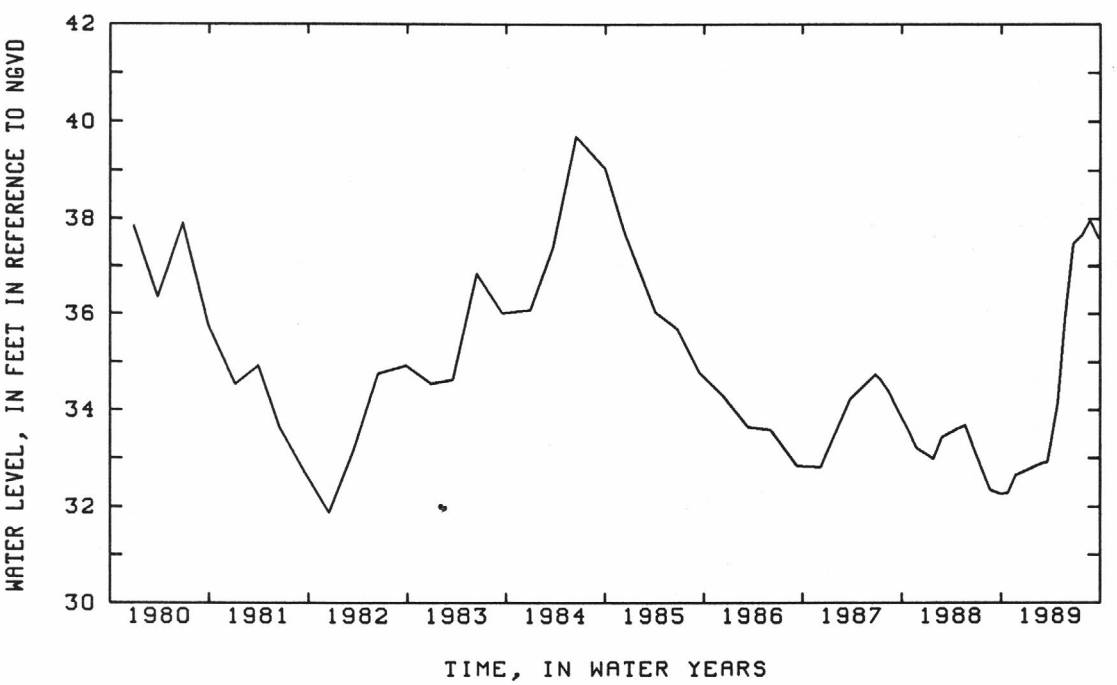
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	41.07	DEC 21	41.65	FEB 16	41.59	APR 19	42.54	JUN 27	45.96	AUG 22	46.18
NOV 21	41.21	JAN 23	41.68	MAR 22	41.83	MAY 25	44.12	JUL 27	46.41	SEP 28	45.82

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	32.28	FEB 28	32.89	APR 26	34.16	JUN 22	37.47	AUG 23	37.97	SEP 25	37.59
NOV 22	32.65	MAR 20	32.92	MAY 22	35.89	JUL 25	37.67				



405542072462901. Local number, S 36149.1
LOCATION.--Lat 40°55'42", long 72°48'29", 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.

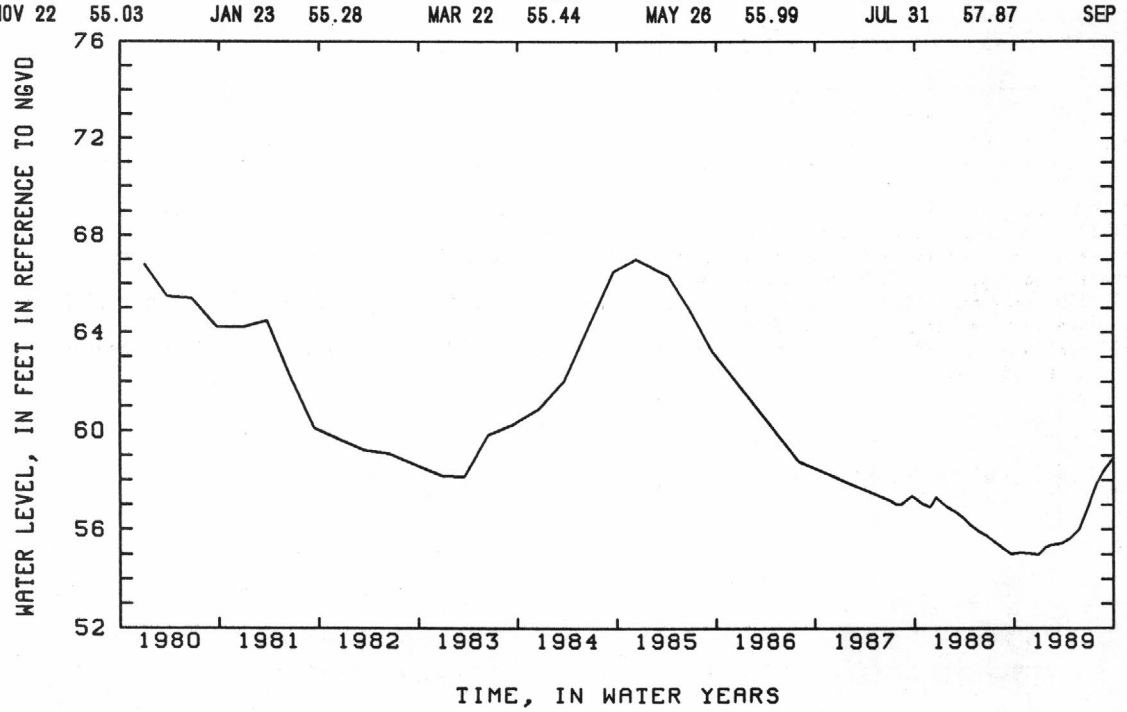
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	31.41	DEC 29	36.52	FEB 23	50.68	APR 18	40.08	JUN 23	37.58	AUG 22	44.86
NOV 21	41.71	JAN 27	33.16	MAR 27	43.88	MAY 22	40.49	JUL 21	51.84	SEP 28	52.76

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	55.07	DEC 29	54.98	FEB 16	55.37	APR 19	55.62	JUN 27	56.91	AUG 22	58.28
NOV 22	55.03	JAN 23	55.28	MAR 22	55.44	MAY 26	55.99	JUL 31	57.87	SEP 28	58.87



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	34.01	DEC 20	34.78	FEB 16	34.31	APR 19	35.71	JUN 27	37.29	AUG 22	36.34
NOV 21	34.59	JAN 23	34.48	MAR 22	34.59	MAY 26	37.32	JUL 27	36.67	SEP 28	35.92

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	67.37	DEC 20	67.37	FEB 16	67.52	APR 19	67.73	JUN 27	69.05	AUG 22	68.84
NOV 22	67.42	JAN 23	67.48	MAR 22	67.50	MAY 26	68.15	JUL 27	69.08	SEP 28	68.40

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.34	DEC 29	2.69	FEB 27	2.50	APR 17	3.30	JUN 29	4.08	AUG 30	3.45
NOV 18	2.33	JAN 31	2.48	MAR 23	2.45	MAY 25	4.05	JUL 18	3.84	SEP 27	3.18

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	24.67	DEC 13	24.46	FEB 28	24.21	APR 26	24.18	JUN 28	26.23	AUG 23	28.13
NOV 22	24.56	JAN 24	24.32	MAR 20	24.12	MAY 23	24.50	JUL 25	27.25	SEP 25	28.97

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.

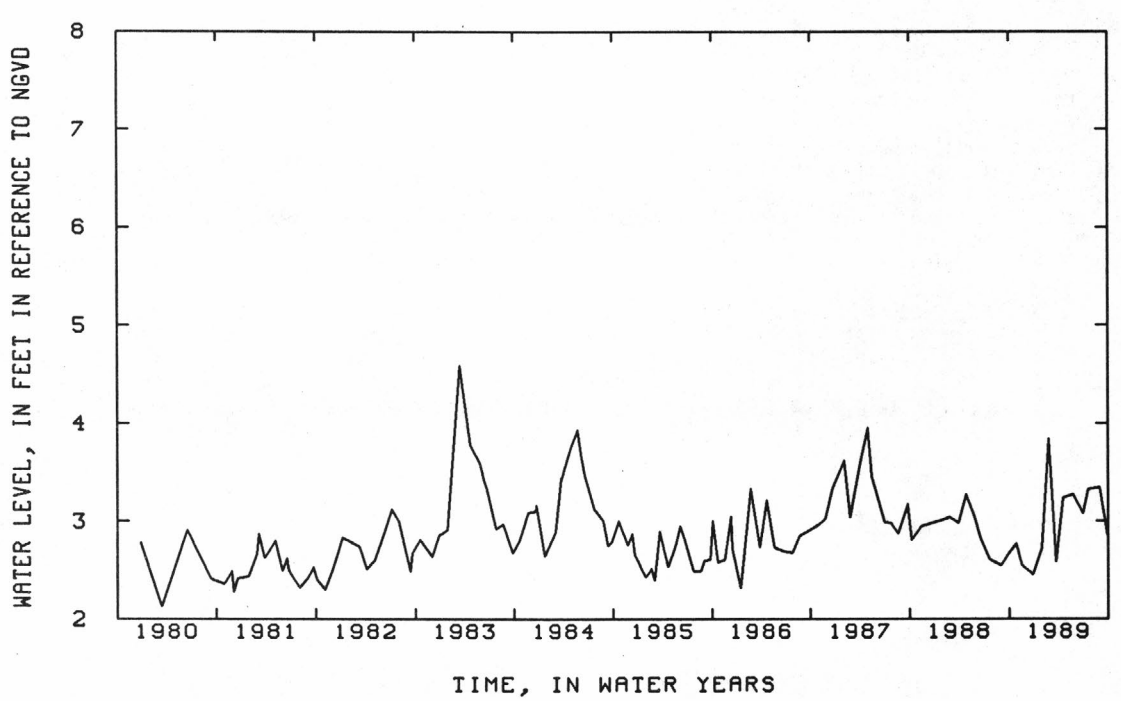
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	23.59	DEC 20	23.84	FEB 16	23.47	APR 19	24.20	JUN 27	26.89	AUG 22	27.16
NOV 25	23.80	JAN 23	23.58	MAR 22	23.52	MAY 25	25.36	JUL 27	27.38		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.77	DEC 29	2.46	FEB 27	3.84	APR 17	3.24	JUN 29	3.08	AUG 30	3.34
NOV 18	2.55	JAN 31	2.73	MAR 23	2.59	MAY 25	3.27	JUL 18	3.32	SEP 27	2.86



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.59	DEC 29	3.17	FEB 27	3.47	APR 17	3.21	JUN 29	3.33	AUG 30	4.08
NOV 18	3.28	JAN 31	3.33	MAR 23	2.99	MAY 25	3.32	JUL 18	3.61	SEP 27	3.73

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.08	DEC 29	2.76	FEB 27	3.14	APR 17	3.21	JUN 29	3.70	AUG 30	3.85
NOV 18	2.80	JAN 31	2.97	MAR 23	2.86	MAY 25	3.69	JUL 18	3.80	SEP 27	3.48

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	42.63	DEC 20	42.54	FEB 16	42.47	APR 19	42.73	JUN 27	44.57	AUG 22	45.60
NOV 28	42.62	JAN 23	42.54	MAR 22	42.43	MAY 26	43.41	JUL 27	45.30	SEP 28	45.96

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	4.72	DEC 29	5.02	FEB 23	5.09	APR 18	5.33	JUN 23	7.41	AUG 22	10.07
NOV 21	4.76	JAN 27	5.11	MAR 27	5.09	MAY 22	6.07	JUL 21	8.41	SEP 28	10.32
DEC 7	4.92										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.25	DEC 13	7.71	FEB 28	7.97	APR 26	9.31	JUN 22	12.77	AUG 23	13.62
NOV 22	7.50	JAN 24	7.90	MAR 20	8.05	MAY 23	11.52	JUL 25	13.61	SEP 25	12.69

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	40.55	DEC 29	41.43	FEB 23	41.38	APR 18	42.71	JUN 23	45.21	AUG 22	46.34
NOV 21	40.50	JAN 27	41.44	MAR 27	42.02	MAY 22	44.75	JUL 21	45.42	SEP 28	45.27

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.89	DEC 13	16.68	FEB 28	16.36	APR 26	16.55	JUN 28	18.31	AUG 23	20.41
NOV 22	16.57	JAN 24	16.43	MAR 20	16.20	MAY 23	17.06	JUL 26	19.27	SEP 25	21.39

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.51	DEC 29	3.59	FEB 27	3.76	APR 17	3.90	JUN 29	4.67	AUG 30	5.50
NOV 18	3.43	JAN 31	3.76	MAR 23	3.60	MAY 25	4.35	JUL 18	4.90	SEP 27	5.28

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.49	DEC 29	6.78	FEB 27	6.75	APR 17	7.42	JUN 29	9.29	AUG 30	9.26
NOV 18	6.44	JAN 31	6.74	MAR 23	6.76	MAY 25	8.52	JUL 18	9.35	SEP 27	8.90

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

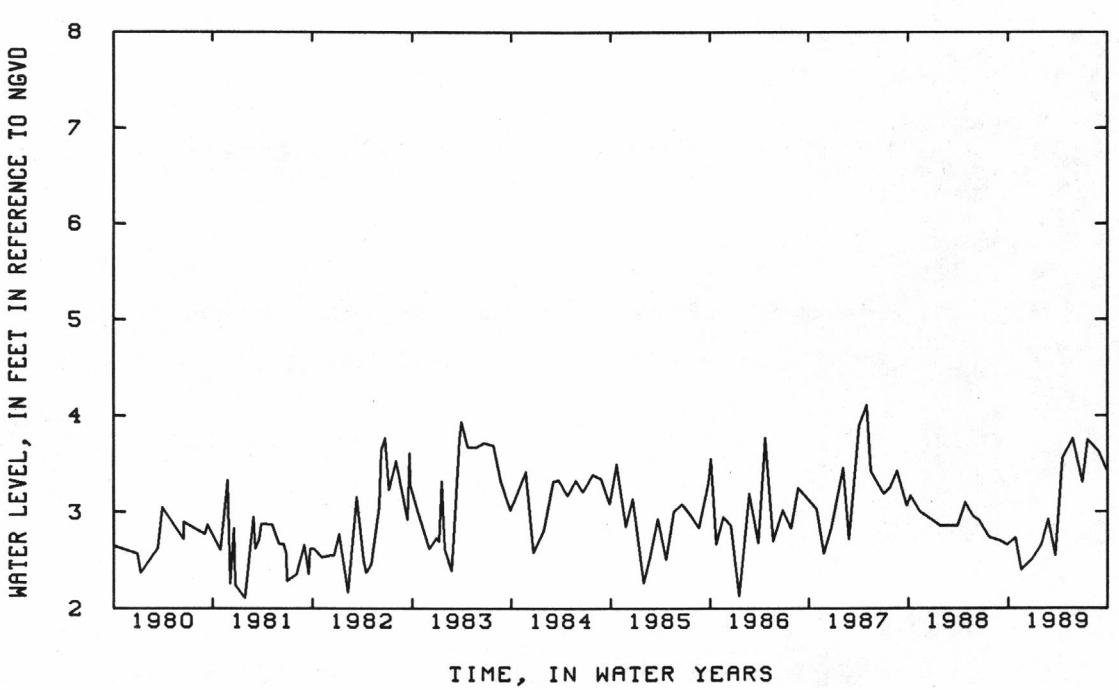
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.82	DEC 29	2.91	FEB 27	2.84	APR 17	3.72	JUN 29	3.01	AUG 30	2.92
NOV 18	3.11	JAN 31	2.58	MAR 23	2.89	MAY 25	3.12	JUL 18	4.23	SEP 27	3.41

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.73	DEC 29	2.52	FEB 27	2.92	APR 17	3.56	JUN 29	3.31	AUG 30	3.62
NOV 18	2.40	JAN 31	2.66	MAR 23	2.55	MAY 25	3.76	JUL 18	3.75	SEP 27	3.43



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	0.94	FEB 27	1.63	APR 17	1.31	JUN 29	1.23	AUG 30	1.85	SEP 27	1.14
JAN 31	1.08	MAR 23	1.19	MAY 25	2.23	JUL 18	2.28				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.84	DEC 29	4.79	FEB 27	4.99	APR 17	5.23	JUN 29	5.65	AUG 30	6.12
NOV 18	4.61	JAN 31	4.84	MAR 23	4.84	MAY 25	5.68	JUL 18	6.10	SEP 27	5.78

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, 6.16 ft NGVD, November 18, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.39	DEC 29	6.53	FEB 27	6.98	APR 17	7.33	JUN 29	7.94	AUG 30	8.37
NOV 18	6.16	JAN 31	6.82	MAR 23	6.93	MAY 25	7.75	JUL 18	8.50	SEP 27	8.05

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.94	DEC 29	6.34	FEB 27	6.47	APR 17	7.40	JUN 29	7.84	AUG 30	8.11
NOV 18	6.01	JAN 31	6.36	MAR 23	6.58	MAY 25	7.67	JUL 18	8.47	SEP 27	7.88

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.90	DEC 29	6.32	FEB 27	6.39	APR 17	7.40	JUN 29	7.79	AUG 30	8.11
NOV 18	5.97	JAN 31	6.35	MAR 23	6.57	MAY 25	7.64	JUL 18	8.45	SEP 27	7.87

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	33.86	DEC 29	34.05	FEB 27	33.83	APR 17	34.27	JUN 29	35.99	AUG 30	37.14
NOV 18	33.79	JAN 31	33.96	MAR 23	33.88	MAY 25	35.14	JUL 18	36.28	SEP 27	37.00

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.

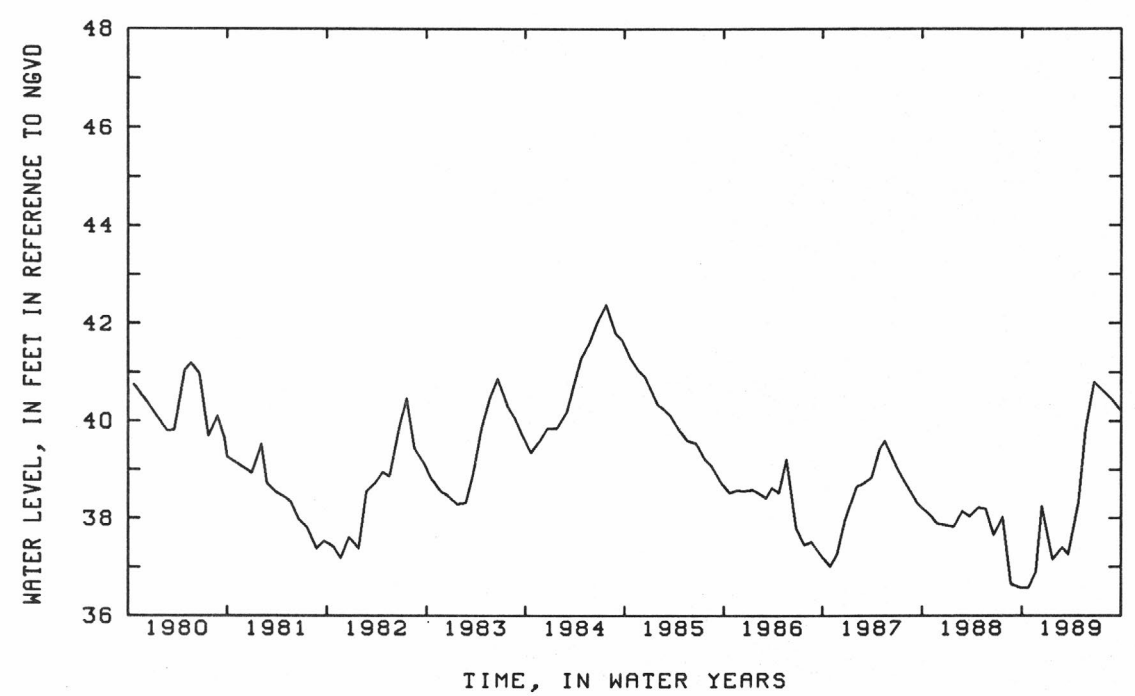
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	3.42	DEC 20	3.41	FEB 16	3.28	APR 19	3.54	JUN 27	4.69	AUG 22	4.08
NOV 21	3.41	JAN 23	3.35	MAR 22	3.33	MAY 25	4.45	JUL 27	4.45	SEP 28	3.90

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 1988 TO SEPTEMBER 1989

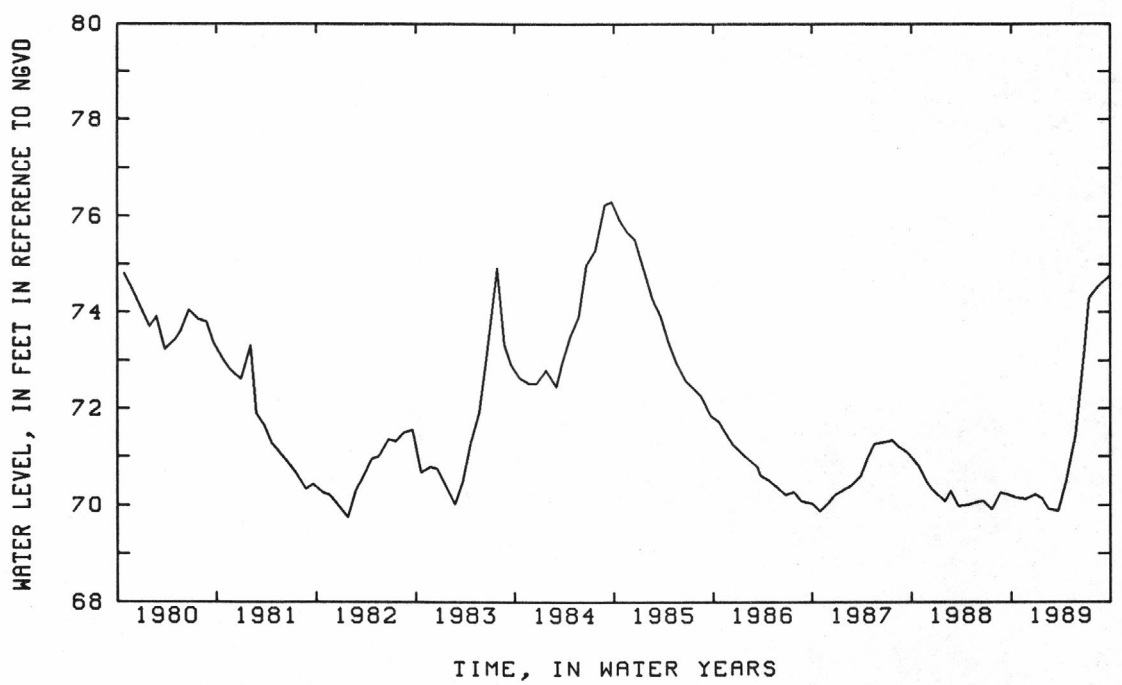
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	36.58	DEC 13	38.25	FEB 28	37.40	APR 26	38.34	JUN 22	40.80	AUG 23	40.47
NOV 22	36.91	JAN 24	37.15	MAR 20	37.26	MAY 22	39.85	JUL 25	40.61	SEP 25	40.23



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 1988 TO SEPTEMBER 1989

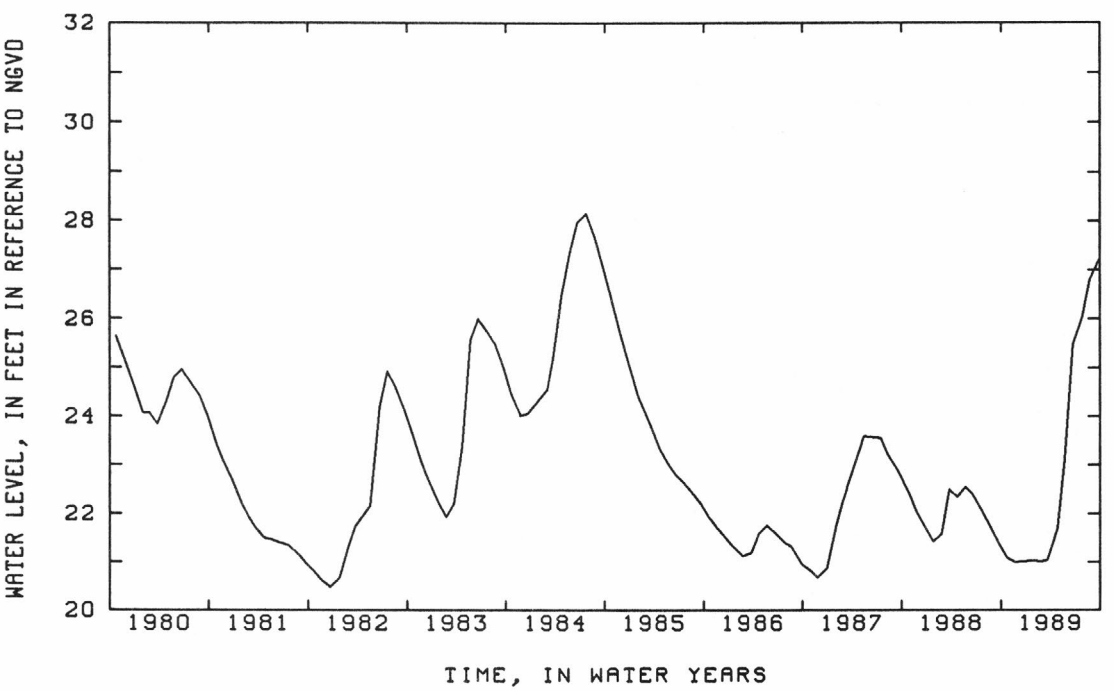
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	70.15	DEC 29	70.21	FEB 16	69.91	APR 19	70.48	JUN 27	73.25	AUG 22	74.57
NOV 22	70.13	JAN 23	70.14	MAR 22	69.87	MAY 26	71.45	JUL 13	74.29	SEP 28	74.76



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	21.07	DEC 13	21.01	FEB 28	21.01	APR 26	21.70	JUN 22	25.49	AUG 23	26.81
NOV 22	20.99	JAN 24	21.02	MAR 20	21.03	MAY 23	23.12	JUL 25	26.02	SEP 25	27.20



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, 23.16 ft NGVD, June 22, 1989; lowest measured, 18.43 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	18.43	DEC 13	21.19	FEB 28	19.88	APR 26	21.01	JUN 22	23.16	AUG 23	21.80
NOV 22	19.30	JAN 24	20.85	MAR 20	19.64	MAY 22	23.05	JUL 26	22.06	SEP 25	20.94

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, 4.57 ft NGVD, December 12, 1985; lowest measured, 3.37 ft NGVD, September 13, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	3.57	DEC 13	3.90	JAN 25	3.56	FEB 28	3.97				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	21.77	DEC 13	23.11	FEB 28	23.50	APR 26	24.41	JUN 22	25.92	AUG 23	24.79
NOV 22	22.41	JAN 24	23.06	MAR 20	23.33	MAY 22	25.92	JUL 25	24.94	SEP 25	24.58

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, 2.43 ft NGVD, October 15, 1987; lowest measured, 1.28 ft NGVD, December 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	1.76	DEC 13	1.58	JAN 25	1.32	FEB 28	1.79				

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, 9.65 ft NGVD, September 28, 1989; lowest measured, 6.44 ft NGVD, March 22, 1989.

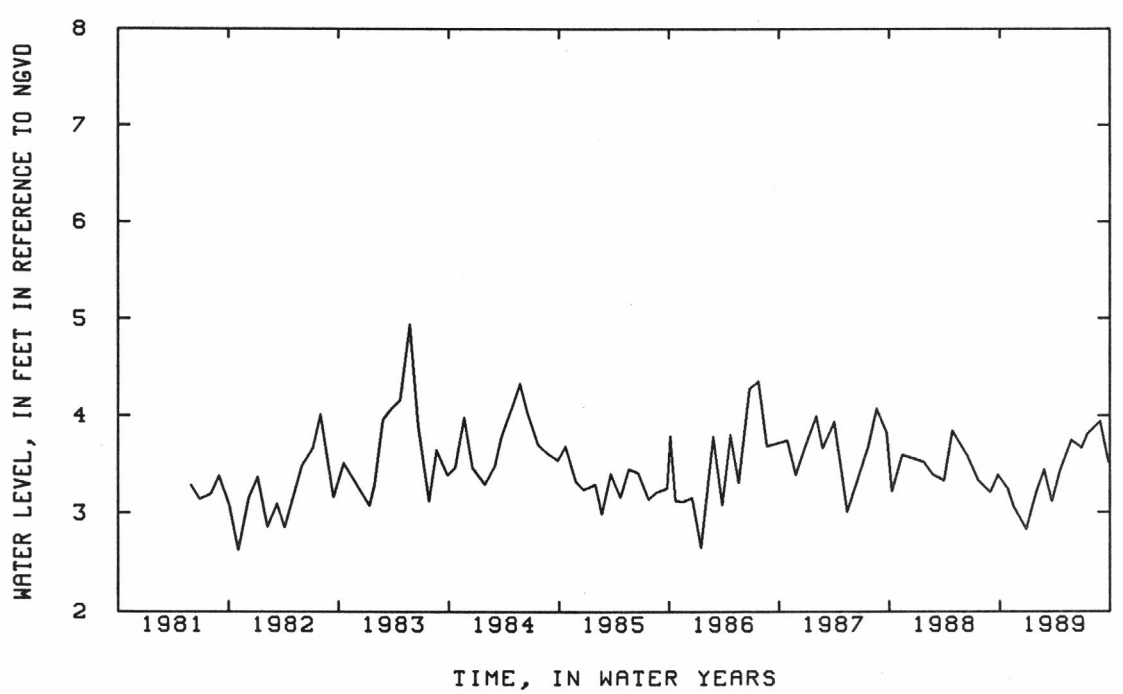
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	6.87	DEC 29	6.63	JAN 23	6.54	MAR 22	6.44	MAY 26	7.45	SEP 28	9.65
NOV 22	6.73	JAN 10	6.58	FEB 16	6.47	APR 19	6.62	JUN 27	9.27		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.25	DEC 29	2.83	FEB 27	3.44	APR 17	3.42	JUN 29	3.66	AUG 30	3.94
NOV 18	3.05	JAN 31	3.22	MAR 23	3.11	MAY 25	3.74	JUL 18	3.81	SEP 27	3.51



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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.00	DEC 29	8.29	FEB 23	8.23	MAY 22	9.14	JUL 21	9.04	SEP 28	10.09
NOV 21	8.14	JAN 27	8.37	APR 18	8.70	JUN 23	9.88	AUG 22	10.01		

405642072240003. 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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.83	DEC 29	4.76	FEB 27	5.10	APR 17	5.23	JUN 29	5.60	AUG 30	6.10
NOV 18	4.60	JAN 31	4.82	MAR 23	4.81	MAY 25	5.69	JUL 18	6.06	SEP 27	5.73

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.30	DEC 29	4.43	FEB 27	4.85	APR 17	5.29	JUN 29	5.85	AUG 30	6.26
NOV 18	5.10	JAN 31	4.73	MAR 23	4.82	MAY 25	5.68	JUL 18	6.35	SEP 27	5.95

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.80	DEC 29	4.29	FEB 27	4.71	APR 17	5.14	JUN 29	5.06	AUG 30	6.73
NOV 18	4.43	JAN 31	4.70	MAR 23	4.28	MAY 25	5.05	JUL 18	5.37	SEP 27	5.49

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.64	DEC 29	9.24	FEB 27	9.69	APR 17	9.72	JUN 29	10.04	AUG 30	10.79
NOV 18	9.39	JAN 31	9.67	MAR 23	9.30	MAY 25	9.99	JUL 18	10.43	SEP 27	10.61

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	67.66	DEC 29	67.89	FEB 16	67.58	APR 19	67.98	JUN 27	70.35	AUG 22	74.10
NOV 22	67.53	JAN 23	68.03	MAR 22	67.60	MAY 26	68.91	JUL 31	71.29	SEP 28	72.65

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	67.71	DEC 29	67.92	FEB 16	67.61	APR 19	68.02	JUN 27	70.36	AUG 22	72.05
NOV 22	67.57	JAN 23	68.02	MAR 22	67.58	MAY 26	68.91	JUL 31	71.35	SEP 28	72.73

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	70.19	DEC 29	69.97	FEB 16	69.84	APR 19	70.12	JUN 27	72.01	AUG 22	72.40
NOV 22	69.85	JAN 23	70.18	MAR 22	69.77	MAY 26	70.57	JUL 31	73.76	SEP 28	75.48

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	34.01	DEC 29	33.64	FEB 23	33.65	APR 18	34.34	JUN 23	37.24	AUG 22	39.34
NOV 21	33.65	JAN 27	33.65	MAR 27	33.89	MAY 22	35.45	JUL 21	38.00	SEP 28	40.01

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	50.58	DEC 13	51.41	FEB 28	51.52	APR 26	52.86	JUL 25	57.13	SEP 25	56.89
NOV 22	51.21	JAN 24	51.50	MAR 20	51.63	MAY 22	54.75	AUG 23	57.01		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.68	DEC 13	52.45	FEB 28	52.36	APR 26	53.84	JUN 22	58.05	AUG 23	58.34
NOV 22	51.98	JAN 24	52.31	MAR 20	52.44	MAY 22	56.42	JUL 25	58.38	SEP 25	57.95

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.81	DEC 13	52.58	FEB 28	52.45	APR 26	53.97	JUN 22	56.75	AUG 23	58.49
NOV 22	52.05	JAN 24	52.42	MAR 20	52.54	MAY 22	56.31	JUL 25	58.56	SEP 25	58.10

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 26	52.32	MAY 22	54.25	JUN 22	56.26	JUL 25	56.43	AUG 23	56.44	SEP 25	56.31

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	63.97	DEC 29	64.32	FEB 16	64.35	APR 19	64.54	JUN 27	65.70	AUG 22	67.59
NOV 22	64.08	JAN 23	64.33	MAR 22	64.35	MAY 26	65.02	JUL 31	66.59	SEP 28	68.83

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	64.33	DEC 29	64.61	FEB 16	64.69	APR 19	64.82	JUN 27	65.92	AUG 22	67.63
NOV 22	64.38	JAN 23	64.60	MAR 22	64.58	MAY 26	65.00	JUL 31	66.79	SEP 28	68.69

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, 77.63 ft NGVD, March 6, 1985; lowest measured, 71.50 ft NGVD, September 16, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	72.54	DEC 29	72.54	FEB 16	72.33	APR 19	72.66	JUN 27	73.64	AUG 22	74.89
NOV 22	72.54	JAN 23	72.54	MAR 22	72.27	MAY 26	73.00	JUL 31	74.43	SEP 28	74.77

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, 45.69 ft NGVD, June 19, 1984; lowest measured, 38.98 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	40.32	DEC 29	41.32	FEB 28	40.63	APR 26	42.23	JUN 22	44.57	AUG 23	44.97
NOV 22	40.72	JAN 24	41.15	MAR 20	41.40	MAY 22	43.71	JUL 25	44.19	SEP 25	45.42

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, 45.93 ft NGVD, September 25, 1989; lowest measured, 39.22 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	40.66	DEC 13	41.98	FEB 28	41.92	APR 26	42.79	JUN 22	45.07	AUG 23	45.36
NOV 22	40.94	JAN 24	41.94	MAR 20	41.43	MAY 22	44.18	JUL 25	44.90	SEP 25	45.93

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, 45.88 ft NGVD, June 19, 1984; lowest measured, 38.46 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	40.01	DEC 13	41.24	FEB 28	41.29	APR 26	41.89	JUN 22	45.81	AUG 23	44.65
NOV 22	40.33	JAN 24	40.93	MAR 20	40.99	MAY 22	43.35	JUL 25	43.88	SEP 25	45.08

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, 55.79 ft NGVD, August 23, 1989; lowest measured, 50.44 ft NGVD, January 24, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	50.46	DEC 13	50.92	FEB 28	50.80	APR 26	51.97	JUL 25	55.27	SEP 25	55.51
NOV 22	51.23	JAN 24	50.44	MAR 20	50.54	MAY 22	54.61	AUG 23	55.79		

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, 10.00 ft NGVD, July 26, 1989; lowest measured, 6.77 ft NGVD, October 28, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.28	DEC 13	8.56	FEB 28	8.34	APR 26	9.15	JUN 28	9.78	SEP 25	9.71
NOV 22	8.11	JAN 24	8.22	MAR 20	8.27	MAY 23	9.45	JUL 26	10.00		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.38	DEC 13	8.16	FEB 28	8.02	APR 26	8.64	JUN 28	9.61	AUG 23	10.24
NOV 22	7.54	JAN 24	7.98	MAR 20	8.01	MAY 23	9.05	JUL 26	9.85	SEP 25	9.86

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, 17.23 ft NGVD, December 12, 1985; lowest measured, 14.07 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	14.72	DEC 13	15.36	JAN 25	15.35	FEB 28	15.91				

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	5.93	DEC 13	6.36	JAN 25	5.94	FEB 28	6.37				

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, 21.81 ft NGVD, September 28, 1989; lowest measured, 18.77 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	19.35	DEC 20	20.01	FEB 16	19.78	APR 19	19.94	JUN 27	21.30	AUG 22	21.21
NOV 21	20.05	JAN 23	19.99	MAR 22	19.60	MAY 25	20.61	JUL 27	21.08	SEP 28	21.81

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, 17.92 ft NGVD, September 28, 1989; lowest measured, 15.55 ft NGVD, October 23, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	15.88	DEC 29	15.91	FEB 23	16.21	APR 18	16.53	JUN 23	17.06	AUG 22	17.78
NOV 21	16.21	JAN 27	16.16	MAR 27	16.12	MAY 22	16.68	JUL 21	17.36	SEP 28	17.92

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	2.83	DEC 29	2.61	FEB 23	2.97	APR 18	3.51	JUN 23	3.75	AUG 22	4.11
NOV 21	2.96	JAN 27	2.76	MAR 27	3.12	MAY 22	3.70	JUL 21	4.07	SEP 28	3.80

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 8.0 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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.56	DEC 7	3.87	JAN 10	3.27	JAN 31	3.80	APR 18	4.20	JUL 21	4.99
31	2.23	13	3.71	27	3.56	FEB 23	3.84	MAY 22	4.36	AUG 22	5.02
NOV 4	3.25	29	3.20	31	3.71	MAR 27	3.67	JUN 23	4.54	SEP 28	4.94
21	3.44										

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.60	DEC 7	1.89	JAN 10	1.09	JAN 31	1.55	APR 18	2.07	JUL 21	2.49
NOV 4	1.60	13	1.60	27	1.28	FEB 23	1.81	MAY 22	2.04	AUG 22	2.19
21	1.87	29	0.92	31	1.29	MAR 27	1.79	JUN 23	2.04	SEP 28	2.10
23	2.05										

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, 22.96 ft NGVD, April 30, 1989; lowest measured, 21.74 ft NGVD, March 23, 1987, and September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	21.85	DEC 13	22.11	JAN 27	22.26	FEB 28	22.06	APR 30	22.96		

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, 21.19 ft NGVD, March 23, 1987; lowest measured, 19.50 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	19.77	DEC 13	20.02	JAN 27	19.97	FEB 28	19.95	APR 30	20.54		

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, 11.25 ft NGVD, April 30, 1989; lowest measured, 10.31 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	10.74	DEC 13	10.88	JAN 25	10.68	FEB 28	10.81	APR 30	11.25		

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 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	10.73	DEC 13	10.76	JAN 25	10.55	FEB 28	10.69	APR 30	11.13		

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, 26.52 ft NGVD, February 25, 1988; lowest measured, 22.84 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 22	24.73	JUL 25	24.58	AUG 23	24.67	SEP 25	24.57				

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, 10.67 ft NGVD, September 28, 1989; lowest measured, 8.20 ft NGVD, October 3, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	8.20	NOV 23	8.37	DEC 13	8.66	JAN 31	8.58	JUL 21	9.42	SEP 28	10.67
NOV 4	8.25	DEC 7	8.58	JAN 10	8.57	JUN 23	10.28	AUG 22	10.51		

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, 11.70 ft NGVD, September 28, 1989; lowest measured, 5.75 ft NGVD, November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	5.84	NOV 21	5.78	DEC 29	6.18	JAN 31	6.14	MAY 22	9.77	AUG 22	11.33
31	5.77	DEC 7	6.10	JAN 10	6.19	FEB 23	6.02	JUN 23	10.76	SEP 28	11.70
NOV 4	5.75	13	6.26	27	6.18	APR 18	9.12	JUL 21	9.96		

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, 11.69 ft NGVD, September 28, 1989; lowest measured, 5.77 ft NGVD, October 31 and November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	5.81	NOV 21	5.79	DEC 13	6.16	JAN 27	6.15	APR 18	9.03	JUL 21	9.95
31	5.77	23	5.82	29	6.17	31	6.13	MAY 22	9.68	AUG 22	11.34
NOV 4	5.77	DEC 7	6.11	JAN 10	6.17	FEB 23	6.00	JUN 23	10.74	SEP 28	11.69

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	HARDNESS TOTAL (MG/L AS CACO3)
404435073334301	N 9939. 1	112GLCLU	10-27-88	74	210	5.00	14.0	43
		112GLCLU	11-28-88	74	195	5.14	14.0	45
		112GLCLU	12-20-88	74	221	5.16	14.0	43
404251073404601	N 9984. 1	112GLCLU	10-27-88	60	282	5.68	14.0	59
		112GLCLU	11-28-88	60	284	5.77	14.0	62
		112GLCLU	12-20-88	60	271	5.85	14.0	57

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
10-27-88	12	3.0	17	4.1	4	33	22	<0.2	12	137	<0.010
11-28-88	13	3.0	17	4.1	5	25	25	<0.2	11	132	<0.010
12-20-88	12	3.1	17	4.6	4	33	22	<0.2	11	140	<0.010
10-27-88	20	2.4	28	2.6	15	32	41	<0.2	12	174	<0.010
11-28-88	21	2.3	27	2.5	16	25	49	<0.2	12	175	<0.010
12-20-88	19	2.3	24	2.7	17	24	38	<0.2	12	157	<0.010

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
10-27-88	0.001	7.02	0.030	0.030	<5	<200	80	<1	<10	<50	<50
11-28-88	<0.001	6.71	0.020	<0.010	<5	<200	70	<1	<10	<50	<50
12-20-88	0.001	7.75	0.010	<0.010	<5	<200	60	<1	<10	<50	70
10-27-88	<0.001	6.11	0.030	<0.010	<5	<200	40	<1	<10	<50	<50
11-28-88	0.001	5.93	0.020	0.010	<5	<200	40	<1	<10	<50	<50
12-20-88	<0.001	5.50	0.010	<0.010	<5	<200	30	<1	<10	<50	60

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	SILVER, DISSOLVED (UG/L AS AG)	SELENIUM, DISSOLVED (UG/L AS SE)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)
10-27-88	<10	880	<50	<5	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0	<3.0
11-28-88	<10	880	<50	<5	<1.0	<3.0	<1.0	<5.0	<1.0	<1.0	<1.0
12-20-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0
10-27-88	<10	190	<50	<5	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0	<3.0
11-28-88	<10	160	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
12-20-88	<10	110	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	ETHYLBENZENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
10-27-88	<3.0	10	<1.0	<2.0	2.0	<1.0	9.0	<0.02	1.0	<4.0
11-28-88	<1.0	7.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	1.0	<1.0
12-20-88	<1.0	6.0	<1.0	1.0	4.0	--	<1.0	<0.02	1.0	<1.0
10-27-88	<3.0	<1.0	<1.0	<2.0	1.0	<1.0	<6.0	<0.02	<1.0	<4.0
11-28-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0
12-20-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1989 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 2028	N 4095	N 5321	N 7117	N 8010	N 9068
N 14	N 2030	N 4096	N 5322	N 7157	N 8011	N 9076
N 17	N 2052	N 4118	N 5528	N 7216	N 8021	N 9151
N 22	N 2239	N 4132	N 5596	N 7298	N 8031	N 9173
N 28	N 2316	N 4206	N 5603	N 7353	N 8043	N 9180
N 29	N 2400	N 4223	N 5653	N 7377	N 8054	N 9210
N 31	N 2409	N 4245	N 5654	N 7414	N 8195	N 9211
N 36	N 2414	N 4265	N 5655	N 7421	N 8196	N 9212
N 37	N 2565	N 4298	N 5663	N 7427	N 8214	N 9334
N 46	N 2580	N 4388	N 5695	N 7445	N 8216	N 9338
N 68	N 2597	N 4389	N 5696	N 7482	N 8217	N 9446
N 69	N 2602	N 4390	N 5703	N 7512	N 8224	N 9452
N 75	N 2613	N 4393	N 5762	N 7513	N 8233	N 9463
N 79	N 2616	N 4400	N 5792	N 7515	N 8248	N 9488
N 80	N 2747	N 4405	N 5852	N 7516	N 8249	N 9514
N 81	N 2748	N 4425	N 5876	N 7521	N 8251	N 9520
N 82	N 2920	N 4447	N 5947	N 7522	N 8264	N 9521
N 83	N 3147	N 4448	N 6076	N 7523	N 8279	N 9591
N 95	N 3185	N 4450	N 6077	N 7526	N 8313	N 9613
N 97	N 3456	N 4451	N 6078	N 7548	N 8321	N 9768
N 103	N 3457	N 4512	N 6087	N 7549	N 8326	N 9792
N 104	N 3465	N 4602	N 6092	N 7551	N 8339	N 9809
N 118	N 3466	N 4623	N 6093	N 7552	N 8354	N 9846
N 119	N 3474	N 4756	N 6146	N 7561	N 8355	N 9892
N 133	N 3475	N 4757	N 6148	N 7593	N 8409	N 9893
N 134	N 3486	N 4758	N 6149	N 7614	N 8413	N 9895
N 152	N 3523	N 4759	N 6150	N 7620	N 8414	N 9896
N 198	N 3540	N 4859	N 6315	N 7649	N 8420	N 9902
N 199	N 3561	N 4860	N 6442	N 7650	N 8457	N 9903
N 570	N 3603	N 5007	N 6443	N 7665	N 8474	N 9905
N 585	N 3604	N 5099	N 6450	N 7719	N 8475	N 9906
N 590	N 3605	N 5121	N 6455	N 7747	N 8497	N 9907
N 650	N 3618	N 5145	N 6580	N 7772	N 8557	N 9980
N 651	N 3668	N 5147	N 6644	N 7773	N 8576	N 10033
N 687	N 3672	N 5148	N 6651	N 7776	N 8595	N 10034
N 693	N 3673	N 5152	N 6657	N 7781	N 8657	N 10103
N 700	N 3687	N 5153	N 6744	N 7785	N 8658	N 10144
N 735	N 3704	N 5156	N 6745	N 7796	N 8664	N 10145
N 736	N 3720	N 5187	N 6817	N 7797	N 8665	N 10149
N 1298	N 3732	N 5193	N 6866	N 7831	N 8713	N 10195
N 1346	N 3745	N 5195	N 6867	N 7834	N 8767	N 10206
N 1601	N 3878	N 5209	N 6893	N 7852	N 8768	N 10207
N 1602	N 3905	N 5227	N 6915	N 7855	N 8776	N 10208
N 1603	N 3912	N 5260	N 6916	N 7857	N 8778	N 10211
N 1618	N 3934	N 5302	N 6945	N 7873	N 8779	N 10286
N 1697	N 3935	N 5303	N 6956	N 7892	N 8941	N 10401
N 1715	N 3937	N 5304	N 7000	N 7957	N 8956	N 10451
N 1716	N 4043	N 5308	N 7058	N 8004	N 8957	N 10557
N 1870	N 4077	N 5318	N 7076	N 8007	N 8976	N 10863
N 1958	N 4082	N 5320	N 7104			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1989 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 1106	N 1280	N 8204	N 8876	N 9468	N 9804	N 10035
N 1108	N 1281	N 8309	N 8877	N 9469	N 9917	N 10085
N 1110	N 1422	N 8374	N 8879	N 9470	N 9918	N 10094
N 1114	N 1429	N 8430	N 8891	N 9471	N 9921	N 10192
N 1116	N 1432	N 8598	N 8933	N 9472	N 9922	N 10246
N 1120	N 1442	N 8599	N 8938	N 9473	N 9923	N 10252
N 1129	N 1453	N 8630	N 8939	N 9474	N 9924	N 10290
N 1132	N 1455	N 8631	N 8940	N 9475	N 9925	N 10292
N 1133	N 1457	N 8634	N 8943	N 9477	N 9928	N 10425
N 1137	N 1477	N 8635	N 8944	N 9478	N 9930	N 10430
N 1139	N 1625	N 8636	N 8958	N 9607	N 9932	N 10604
N 1147	N 1685	N 8644	N 8959	N 9608	N 9933	N 10607
N 1148	N 2635	N 8645	N 9059	N 9609	N 9934	N 10608
N 1168	N 2790	N 8646	N 9077	N 9646	N 9936	N 10609
N 1169	N 3707	N 8647	N 9078	N 9647	N 9938	N 10620
N 1176	N 3708	N 8648	N 9079	N 9648	N 9939	N 10667
N 1183	N 3710	N 8649	N 9087	N 9649	N 9941	N 10730
N 1184	N 3711	N 8651	N 9088	N 9650	N 9942	N 10731
N 1185	N 3864	N 8652	N 9089	N 9651	N 9943	N 10732
N 1189	N 3865	N 8653	N 9100	N 9652	N 9944	N 10733
N 1194	N 3866	N 8654	N 9116	N 9654	N 9945	N 10882
N 1195	N 3867	N 8655	N 9127	N 9655	N 9947	N 10912
N 1201	N 3932	N 8669	N 9152	N 9656	N 9949	N 10977
N 1204	N 4026	N 8698	N 9154	N 9657	N 9980	N 10978
N 1205	N 6367	N 8717	N 9168	N 9658	N 9983	N 10979
N 1212	N 6581	N 8718	N 9188	N 9659	N 9984	N 10980
N 1223	N 6701	N 8747	N 9189	N 9660	N 9999	N 10981
N 1225	N 6702	N 8749	N 9190	N 9661	N 10000	N 10982
N 1231	N 6703	N 8752	N 9191	N 9662	N 10001	N 11002
N 1232	N 6704	N 8788	N 9208	N 9664	N 10002	N 11067
N 1233	N 6706	N 8831	N 9313	N 9665	N 10003	N 11170
N 1236	N 6707	N 8832	N 9314	N 9666	N 10004	N 11171
N 1243	N 6849	N 8838	N 9316	N 9667	N 10005	N 11279
N 1250	N 6850	N 8847	N 9317	N 9668	N 10006	N 11280
N 1251	N 6851	N 8848	N 9332	N 9669	N 10007	N 11304
N 1252	N 6853	N 8849	N 9333	N 9670	N 10008	N 11324
N 1253	N 6928	N 8857	N 9354	N 9776	N 10009	N 11396
N 1263	N 7235	N 8863	N 9355	N 9802	N 10010	Q 1071
N 1278	N 7450	N 8873	N 9358	N 9803	N 10011	Q 1237
N 1279	N 8203	N 8875	N 9359			

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

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)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	HARDNESS TOTAL (MG/L AS CACO3)
405100073152601	S 50513. 1	112GLCLU	10-26-88	61	219	5.41	12.0	46
		112GLCLU	11-29-88	61	218	5.42	11.5	48
		112GLCLU	12-20-88	61	190	5.60	11.5	35
405716072413301	S 51566. 1	112GLCLU	10-26-88	89	627	5.85	11.5	260
		112GLCLU	11-29-88	89	619	5.90	11.0	270
		112GLCLU	12-21-88	89	619	5.79	11.0	260
405213072481101	S 74294. 1	112GLCLU	10-26-88	36	597	5.46	12.0	28
		112GLCLU	11-29-88	36	501	5.47	12.5	35
		112GLCLU	12-21-88	36	352	5.82	12.5	19
403935073235003	S 79407. 1	211LLYD	08-14-89	1219	68	6.44	14.0	3
403741073215201	S 91090. 1	211MGTY	04-17-89	117	887	--	13.0	--

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
10-26-88	12	3.8	18	3.2	10	30	27	<0.2	12	138	<0.010
11-29-88	13	3.6	19	3.3	7	22	29	<0.2	12	129	<0.010
12-20-88	9.2	3.0	18	3.2	6	30	20	<0.2	11	118	<0.010
10-26-88	80	14	12	5.5	10	140	35	<0.2	11	404	0.010
11-29-88	85	14	11	5.2	9	130	38	<0.2	11	398	<0.010
12-21-88	80	15	11	5.0	9	160	36	<0.2	10	424	<0.010
10-26-88	8.3	1.8	100	1.7	9	19	170	<0.2	5.1	234	<0.010
11-29-88	10	2.2	82	1.5	6	13	140	<0.2	4.6	269	<0.010
12-21-88	5.3	1.3	62	1.2	14	14	85	<0.2	4.1	189	<0.010
08-14-89	0.52	0.30	6.6	0.30	--	--	3.3	--	--	42	<0.010
04-17-89	--	--	--	--	--	--	270	--	--	--	--

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRATE TOTAL (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
10-26-88	<0.001	5.84	0.030	<0.010	<5	200	50	<1	<10	<50	50
11-29-88	<0.001	5.36	0.020	<0.010	<5	<200	40	<1	<10	<50	<50
12-20-88	0.006	4.40	0.010	<0.010	<5	<200	40	<1	<10	<50	70
10-26-88	0.003	22.0	<0.010	<0.010	<5	<200	80	<1	<10	<50	380
11-29-88	0.003	23.0	0.010	<0.010	<5	<200	60	<1	<10	<50	160
12-21-88	0.002	23.0	0.010	<0.010	<5	<200	70	<1	<10	<50	150
10-26-88	<0.001	1.85	0.020	<0.010	<5	200	20	<1	<10	<50	<50
11-29-88	<0.001	2.22	<0.010	<0.010	<5	<200	20	<1	<10	<50	<50
12-21-88	0.001	1.67	0.190	<0.010	<5	<200	20	<1	<10	<50	70
08-14-89	0.004	--	0.010	<0.001	--	--	--	--	--	--	2500
04-17-89	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

SUFFOLK COUNTY--Continued

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

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SILVER, DIS-SOLVED (UG/L AS AG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)
10-26-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	1.0	<6.0	<3.0	<3.0
11-29-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
12-20-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
10-26-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0	<3.0
11-29-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
12-21-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
10-26-88	<10	70	<50	<5	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0	<3.0
11-29-88	<10	50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
12-21-88	<10	<50	<50	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
08-14-89	--	66	--	--	--	--	--	--	--	--	--
04-17-89	--	--	--	--	--	--	--	--	--	--	--

DATE	ETHYL-BENZENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
10-26-88	<3.0	<1.0	<1.0	<2.0	2.0	<1.0	<6.0	<0.02	<1.0	<4.0
11-29-88	<1.0	<1.0	<1.0	<1.0	2.0	--	<1.0	<0.02	<1.0	<1.0
12-20-88	<1.0	<1.0	<1.0	<1.0	2.0	--	<1.0	<20	<1.0	<1.0
10-26-88	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
11-29-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0
12-21-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0
10-26-88	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
11-29-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0
12-21-88	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<0.02	<1.0	<1.0
08-14-89	--	--	--	--	--	--	--	--	--	--
04-17-89	--	--	--	--	--	--	--	--	--	--

Geological 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 1988 TO SEPTEMBER 1989

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1989 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 20460	S 27784	S 36711	S 43641	S 53361	S 66366
S 872	S 20479	S 28408	S 36714	S 44468	S 53498	S 66429
S 1331	S 20530	S 28503	S 36748	S 44640	S 53522	S 66496
S 1340	S 20566	S 28767	S 36791	S 44774	S 53593	S 66657
S 1341	S 20635	S 28819	S 36869	S 45610	S 53747	S 66733
S 2415	S 20688	S 28928	S 36976	S 45839	S 53850	S 66758
S 2978	S 20689	S 29411	S 37140	S 45840	S 53851	S 66825
S 3615	S 20838	S 29491	S 37141	S 46235	S 54162	S 66881
S 3813	S 20839	S 29492	S 37174	S 46400	S 54305	S 67074
S 3815	S 20955	S 29732	S 37301	S 46509	S 54308	S 67197
S 4372	S 21121	S 30088	S 37351	S 46712	S 54473	S 67656
S 5565	S 21244	S 30117	S 37494	S 46713	S 54568	S 67819
S 6513	S 21247	S 30207	S 37681	S 46830	S 54730	S 67925
S 7570	S 21366	S 30208	S 37847	S 46928	S 54957	S 68230
S 8439	S 21375	S 30227	S 37861	S 47024	S 55463	S 68552
S 9893	S 21487	S 30228	S 37963	S 47035	S 55502	S 68666
S 11105	S 21632	S 30234	S 38192	S 47219	S 55733	S 68690
S 12130	S 21945	S 30506	S 38194	S 47310	S 55734	S 68880
S 14326	S 22048	S 30762	S 38320	S 47435	S 56038	S 69024
S 14710	S 22351	S 31037	S 38321	S 47436	S 56039	S 69364
S 14792	S 22362	S 31038	S 38491	S 47437	S 56133	S 69511
S 14828	S 22389	S 31039	S 38701	S 47438	S 56674	S 70008
S 14921	S 22471	S 31104	S 38784	S 47453	S 57008	S 70155
S 15501	S 22547	S 31624	S 38785	S 47673	S 57354	S 70459
S 15514	S 22548	S 31653	S 38916	S 47886	S 57357	S 70488
S 15746	S 22640	S 31913	S 38917	S 47887	S 57871	S 70767
S 15776	S 23046	S 32180	S 39024	S 48014	S 57979	S 71038
S 15898	S 23183	S 32287	S 39347	S 48193	S 57980	S 71083
S 16129	S 23184	S 32325	S 39536	S 48719	S 58708	S 71533
S 16256	S 23185	S 32326	S 40161	S 49018	S 58761	S 71785
S 16309	S 23186	S 32359	S 40330	S 49422	S 59347	S 71881
S 16892	S 23255	S 32501	S 40331	S 49606	S 59744	S 71882
S 16893	S 23371	S 32551	S 40497	S 50546	S 60127	S 71892
S 17037	S 23440	S 32552	S 40498	S 50630	S 60486	S 72245
S 17474	S 23445	S 33005	S 40709	S 51214	S 60812	S 72271
S 17689	S 23524	S 33006	S 40710	S 51266	S 61910	S 72300
S 17835	S 23631	S 33500	S 40711	S 51274	S 62022	S 72326
S 18003	S 23715	S 33820	S 40837	S 51275	S 62240	S 72917
S 18261	S 23827	S 33826	S 40838	S 51298	S 62855	S 73144
S 18621	S 23828	S 33970	S 40980	S 51457	S 63205	S 73332
S 18729	S 23832	S 34007	S 42226	S 51519	S 63256	S 73492
S 18762	S 23848	S 34030	S 42227	S 51609	S 63618	S 73847
S 19048	S 24047	S 34031	S 42270	S 51673	S 63966	S 74505
S 19198	S 24323	S 34300	S 42473	S 51953	S 64023	S 74573
S 19399	S 24545	S 34301	S 42499	S 52126	S 64062	S 74865
S 19408	S 24663	S 34460	S 42504	S 52451	S 64609	S 77010
S 19465	S 25617	S 34595	S 42505	S 52490	S 64716	S 78310
S 19565	S 25674	S 35033	S 42760	S 52943	S 64847	S 79293
S 19584	S 25776	S 35446	S 42761	S 52944	S 65505	S 81473
S 19884	S 26535	S 35494	S 42762	S 52945	S 65766	S 82422
S 19885	S 27070	S 35939	S 42827	S 53074	S 65905	S 83096
S 20057	S 27192	S 36166	S 43001	S 53291	S 66183	S 83707
S 20300	S 27259	S 36459	S 43117	S 53360	S 66184	S 84848
S 20369	S 27533	S 36460				

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1989 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 1512	S 46966	S 47756	S 48439	S 51185	S 51588	S 66506
S 8837	S 47220	S 47757	S 48440	S 51186	S 51589	S 66508
S 13204	S 47225	S 47758	S 48442	S 51566	S 51591	S 66511
S 13924	S 47226	S 47973	S 48517	S 51567	S 52383	S 66513
S 16118	S 47227	S 47974	S 48518	S 51568	S 52449	S 68831
S 22660	S 47228	S 47975	S 48520	S 51571	S 52645	S 68916
S 45053	S 47229	S 47976	S 48521	S 51573	S 52886	S 70262
S 45207	S 47231	S 47977	S 48522	S 51575	S 53057	S 76673
S 45208	S 47698	S 48425	S 48579	S 51576	S 53196	S 76674
S 45210	S 47745	S 48426	S 48581	S 51578	S 53327	S 76675
S 45212	S 47746	S 48427	S 48582	S 51579	S 53334	S 89534
S 45402	S 47747	S 48428	S 48583	S 51580	S 53336	S 89535
S 45594	S 47748	S 48429	S 48584	S 51581	S 53337	S 89536
S 46281	S 47749	S 48432	S 48651	S 51582	S 58924	S 90431
S 46518	S 47751	S 48434	S 48946	S 51583	S 58960	S 91812
S 46963	S 47752	S 48435	S 48958	S 51586	S 60123	S 91813
S 46964	S 47753	S 48437	S 49898	S 51587	S 60124	S 91814
S 46965	S 47754	S 48438	S 51184			

☆U.S. GOVERNMENT PRINTING OFFICE: 1990-714-338

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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