Water Resources Data New York Water Year 1988

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-88-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1988

1987

OCTOBER

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1988

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Water Resources Data New York Water Year 1988

Volume 2. Long Island

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

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-88-2
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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1989

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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Water resources data for the 1988 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 16 gaging stations, and 169 wells; and water levels at 225 observation wells. Also included are data for 75 low-flow partial-record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data, together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

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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]

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WATER RESOURCES DATA FOR NEW YORK, 1988
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1988 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 16 gaging stations, 169 wells; and water levels at 225 observation wells. Also included are data for 75 low-flow partial-record stations. Locations of these sites are shown on pages 23-31. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Bldg. 41, Box 25425, Denver, Colorado, 80225.

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

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-88-2". 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 1988 water year but increased gradually through the fall and winter and reached near-normal conditions in the early spring. Despite this increase, they generally were less than during the 1987 water year. Streamflow and water levels then declined through late summer, at which time they were near or below the long-term average (figs. 2 through 5).

Streamflow generally was below average throughout the 1988 water year. Peak discharges occurred mainly from February through March. Maximum mean monthly discharges at most stations occurred in February, and minimum mean monthly discharges occurred during August.

Water levels in most wells screened in the upper glacial aquifer began to rise in November and December, then peaked in April or May, when they started a slow decline that continued through the rest of the water year. The normal recharge of the aquifer system, which began in November, was not as pronounced as in recent years. Record low water levels were measured in some wells in central Kings County, in central and east-central Nassau County, and in scattered areas throughout western and central Suffolk County during August and September. Record high water levels were measured in some wells in central and southern Queens County from November through March, probably because of an overall decrease in pumpage by a principal water supply company. Water levels in most wells screened in the Lloyd and Magothy aquifers were lower than in the previous year, and a few record low water levels were measured.

Concentrations of inorganic constituents in surface water and ground water during the 1988 water year did not change significantly from the previous year. Dissolved-solids concentrations in ground water are greatest in the upper glacial aquifer, where the median specific conductance during the water year was 224 µS/cm (microsiemens per centimeter at 25 degrees Celsius). Concentrations of dissolved solids also are high in the upper part of the Magothy aquifer, where the median specific conductance during the water year was 94 µS/cm.

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 1988 water year that began October 1, 1987, and ended September 30, 1988. 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. 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.

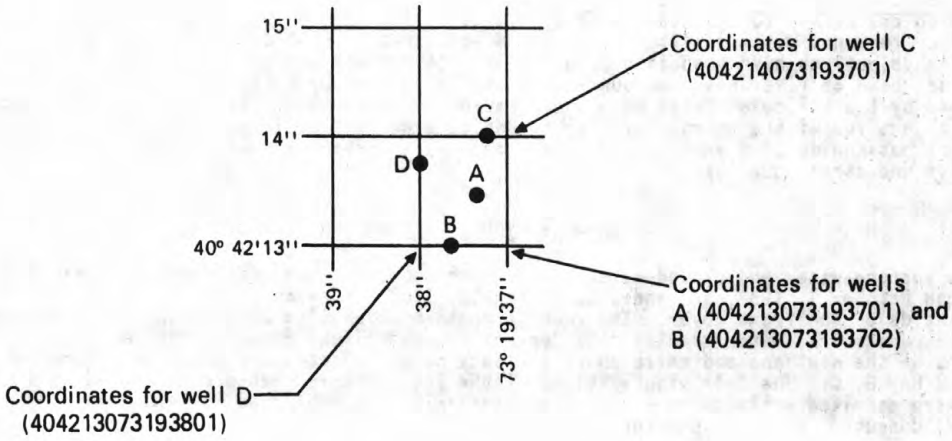

Figure 1. System for numbering wells (latitude and longitude).

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.

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.

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.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge are affected by the revision, the fact is brought out by notations 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 revised figure was first published is given. It should be noted that for 11 stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 12.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the

maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

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.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

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.

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.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. 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.

Descriptive Headings

For continuing record stations, data is preceded by information pertinent to the history of station operation. 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. Headings for precipitation-quality records include location information and a description of the sample collector.

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.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

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.

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.

Terminology used in reporting chemical constituents is an indication of whether all or only part of a constituent associated with the solids in a water-quality sample is determined by a chemical analysis. (See preceding section, "Definition of Terms.") The "recoverable" in the terms "Suspended, recoverable", "Total, recoverable", and "Recoverable from bottom material" indicates that the constituent was digested by a method that results in the dissolution of only readily soluble substances. Thus, the determination may not represent all of the constituent actually present in the sample. The "total" in the terms "Total", "Suspended, total", and "Total in bottom material" is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

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.

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

Measurements of particle-size distribution for suspended sediment have not been made for Long Island streams. Based on visual inspection of samples, the proportion of suspended sediment finer than 0.062 mm has been assumed to be greater than 95%.

Records of Ground-Water Levels

Although over 950 wells are measured at annual or more frequent intervals, only ground-water level data from a basic network of 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 for every fifth day and the end of each month (eom).

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.

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 (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

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

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

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

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

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

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

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually 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 micromhos 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 micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

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

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

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

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

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexageria
Species	Hexagenia limbata

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

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

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

Total (as used in tables of chemical analyses):

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

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

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

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

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

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

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

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

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

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

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

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

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

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

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.

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

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

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

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

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

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-A14. Use of flumes in measuring discharge, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

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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.

3-B6. The principle of superposition and its application in ground-water hydraulics, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

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

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

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4-B3. Regional analyses of streamflow characteristics, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. Computation of rate and volume of stream depletion by wells, by C. T. Jenkins: USGS-TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. Methods for determination of inorganic substances in water and fluvial sediments, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. Determination of minor elements in water by emission spectroscopy, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. Methods for analysis of organic substances in water, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

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

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

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

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

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

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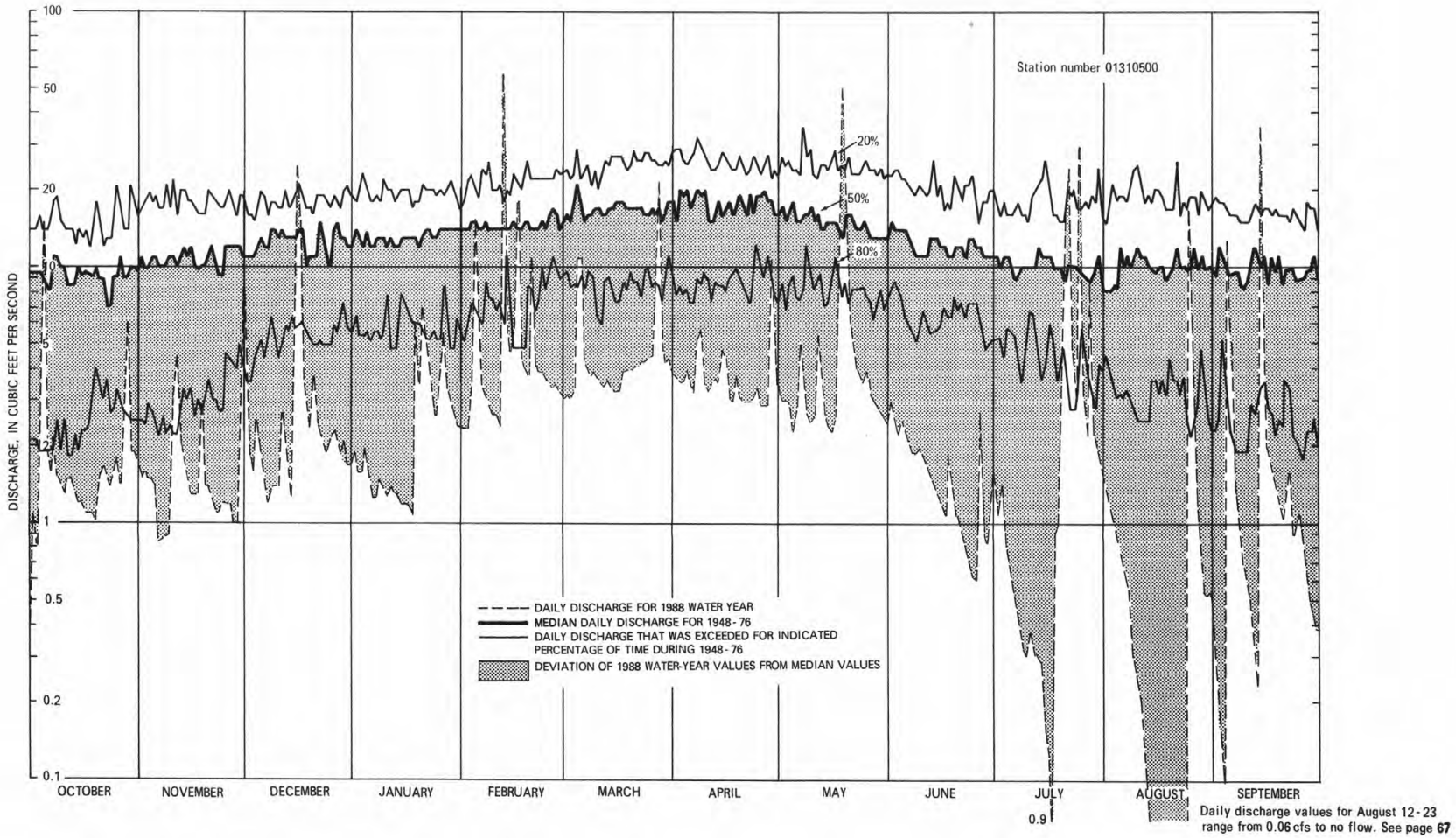


Daily discharge values for August 12-23 range from 0.06 cfs to no flow. See page 67

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

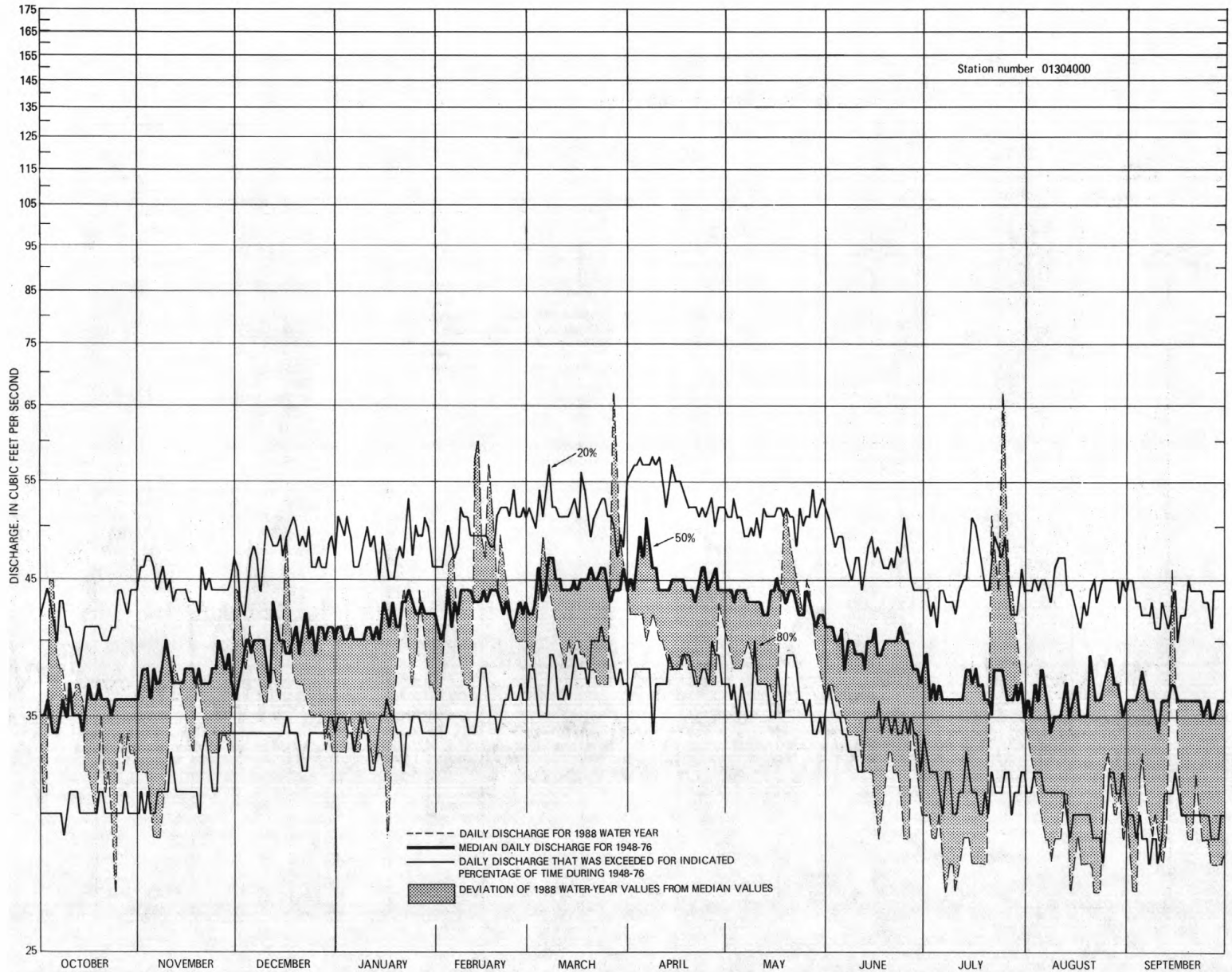


Figure 3 --Hydrographic Comparisons, Nissequogue River near Smithtown

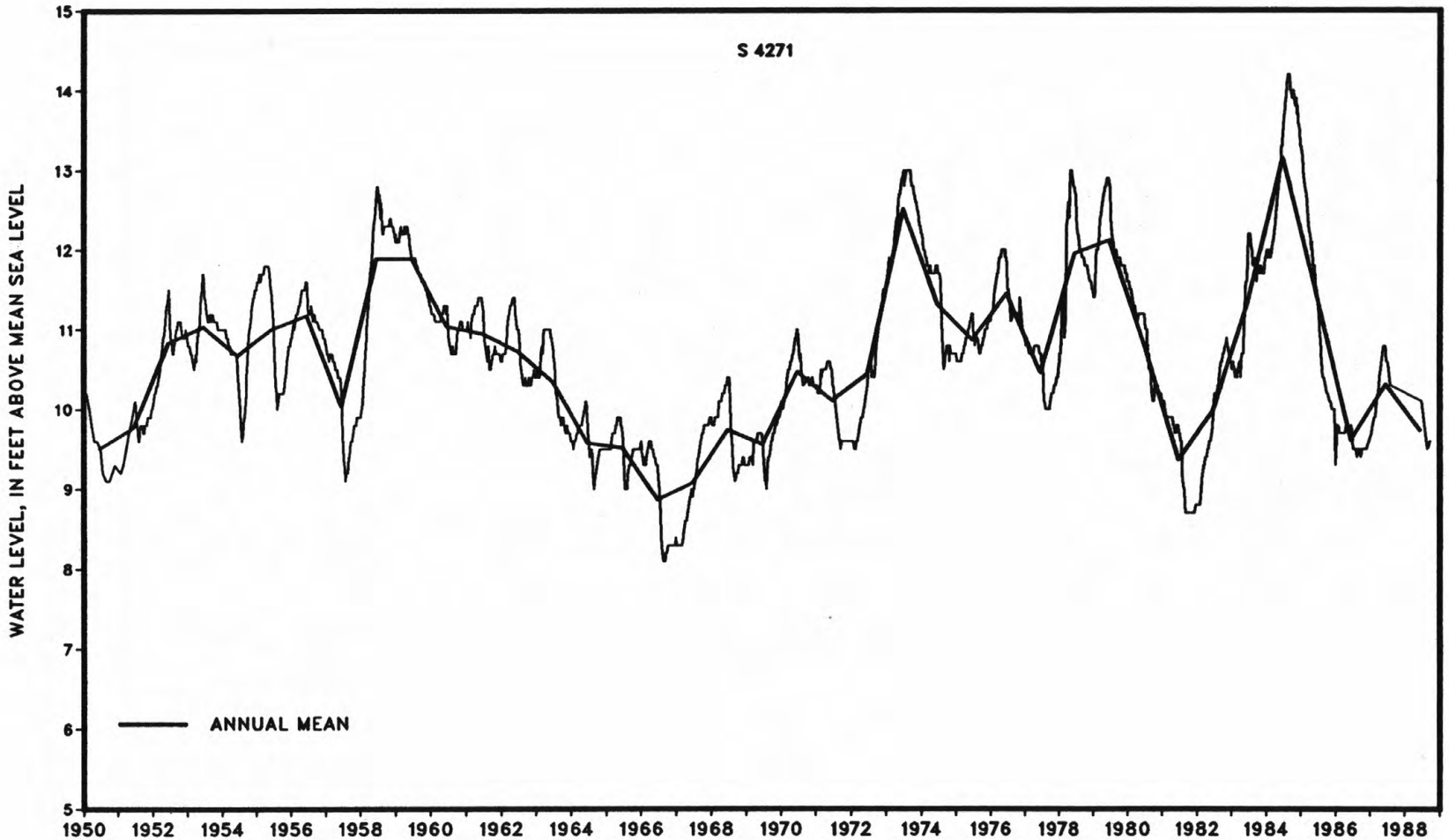


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead

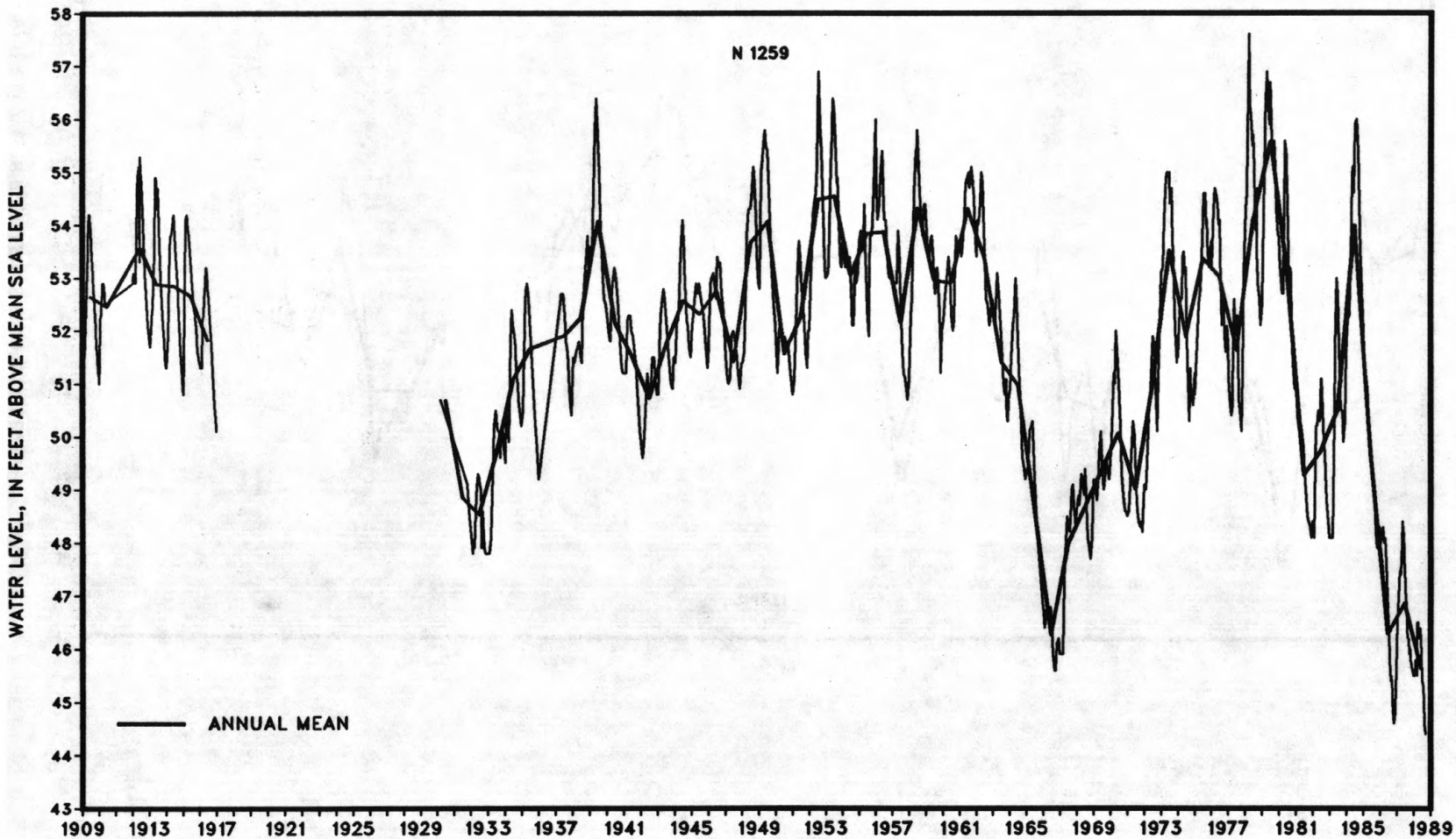


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge

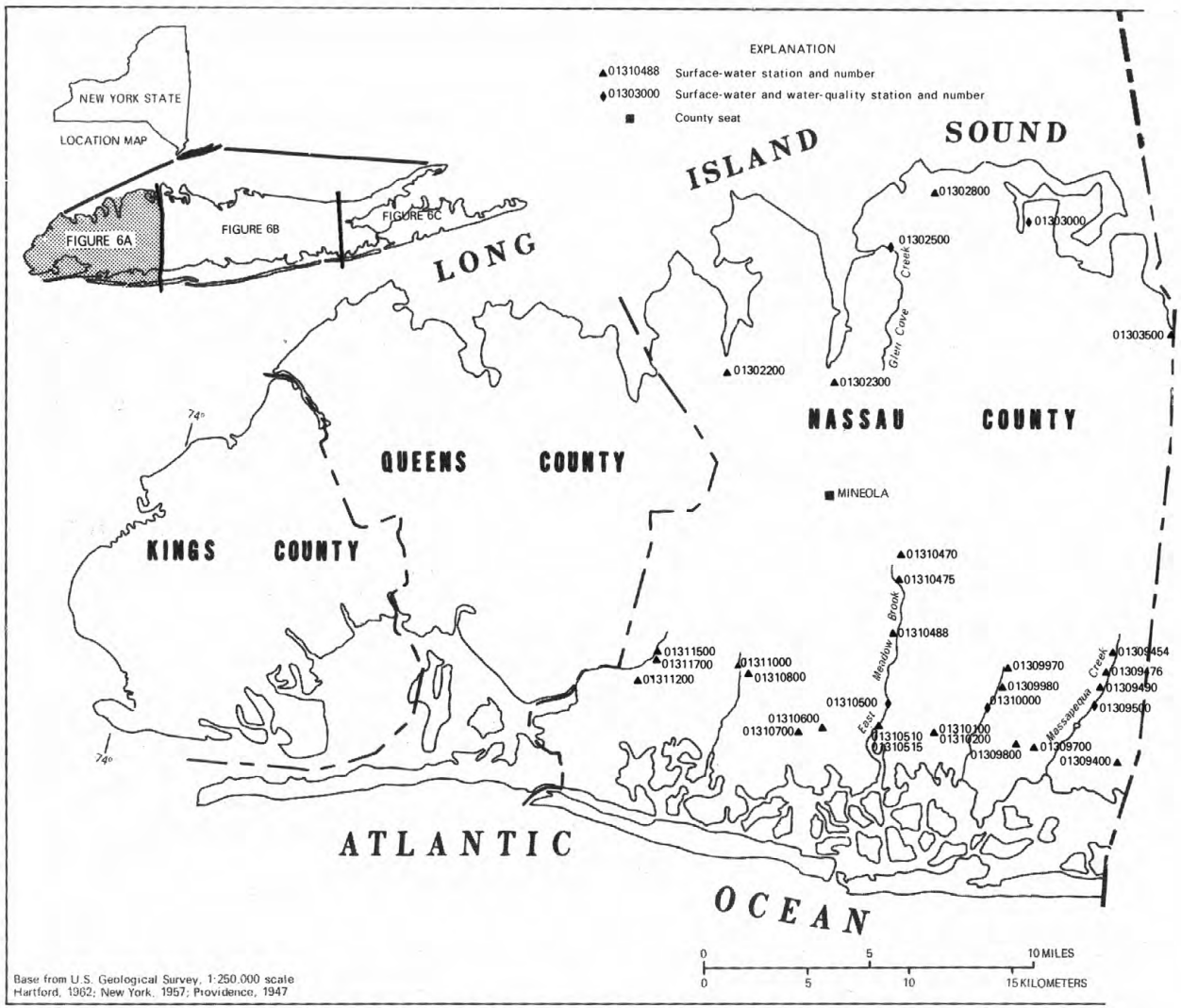


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

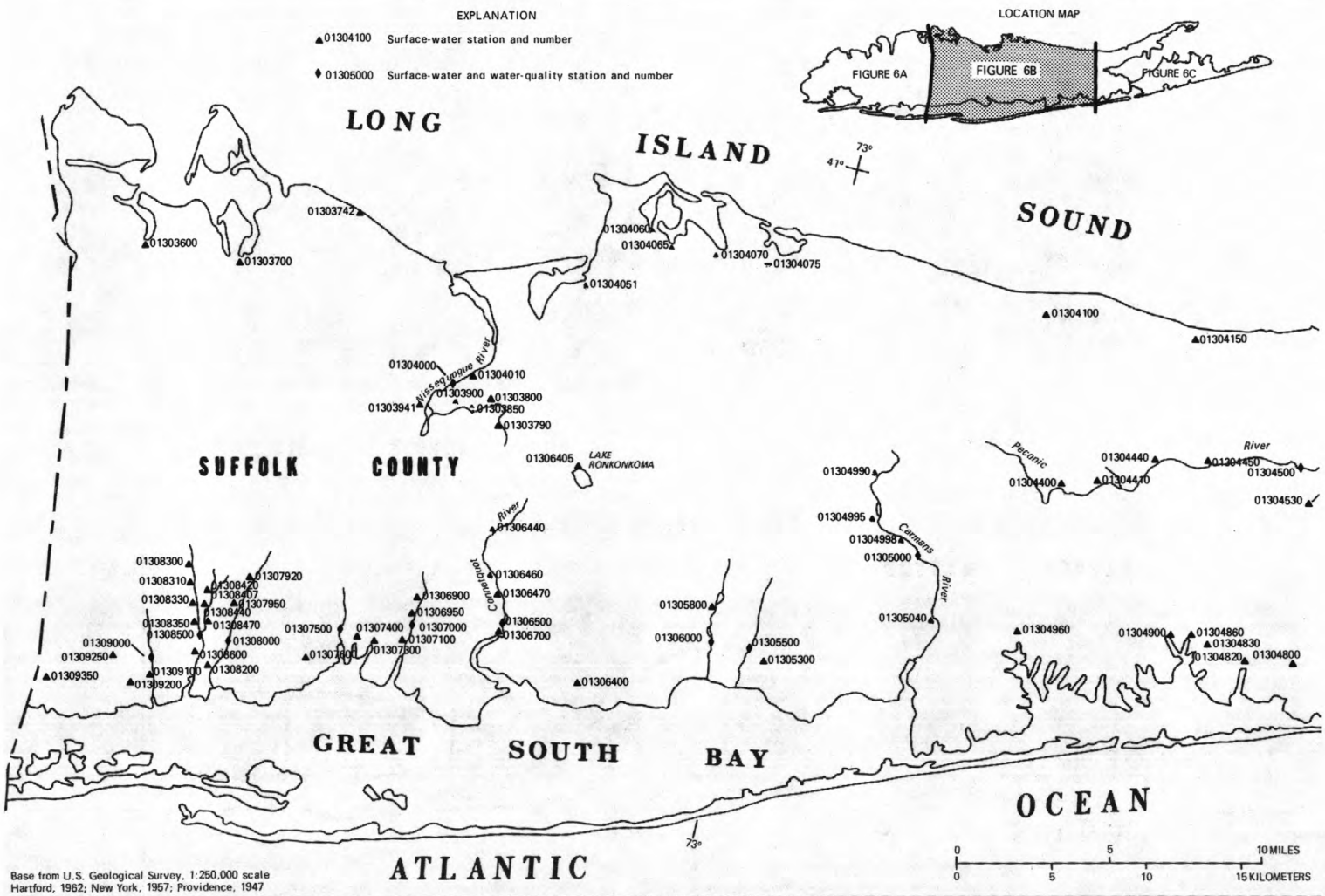


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

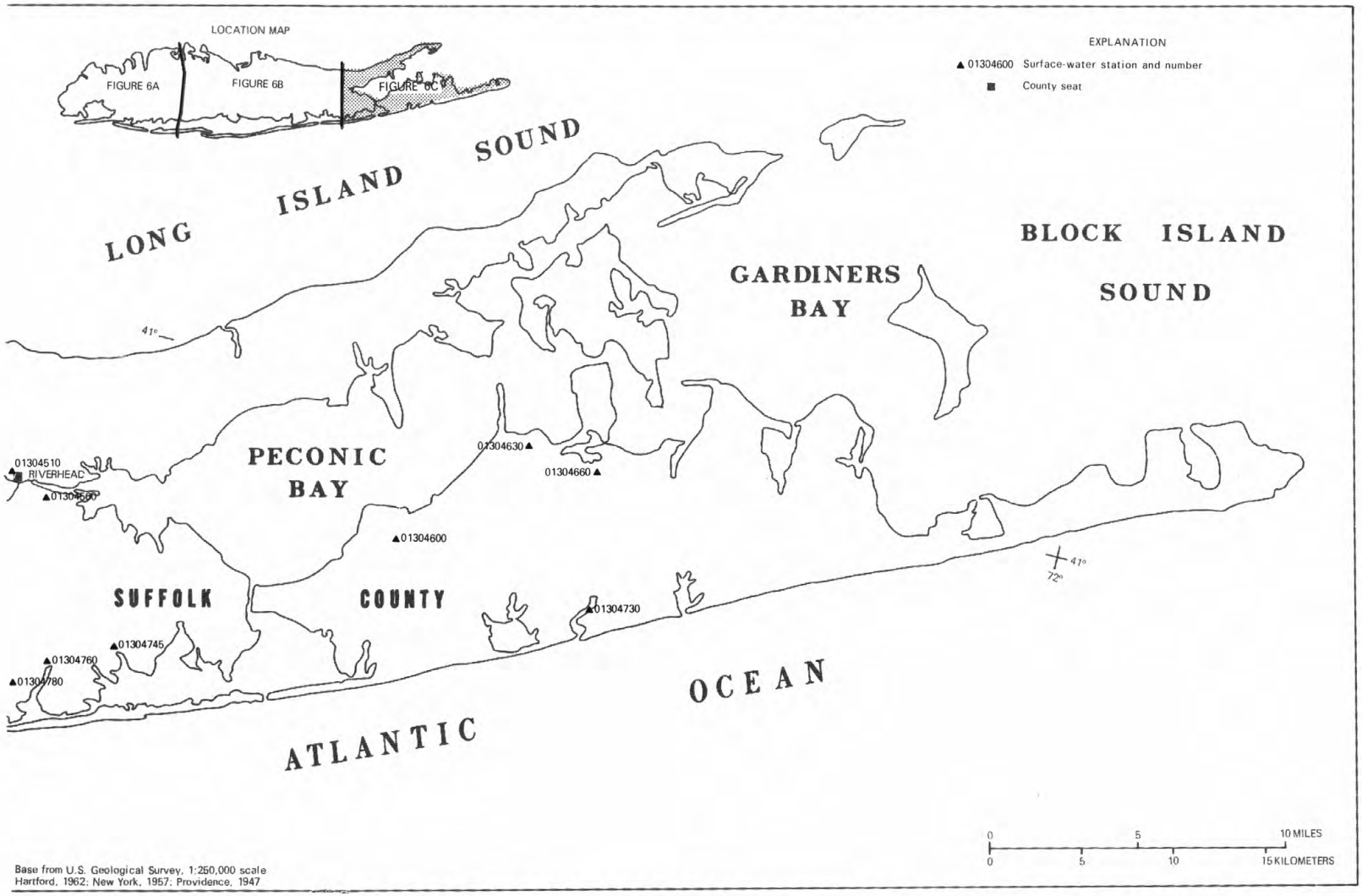


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

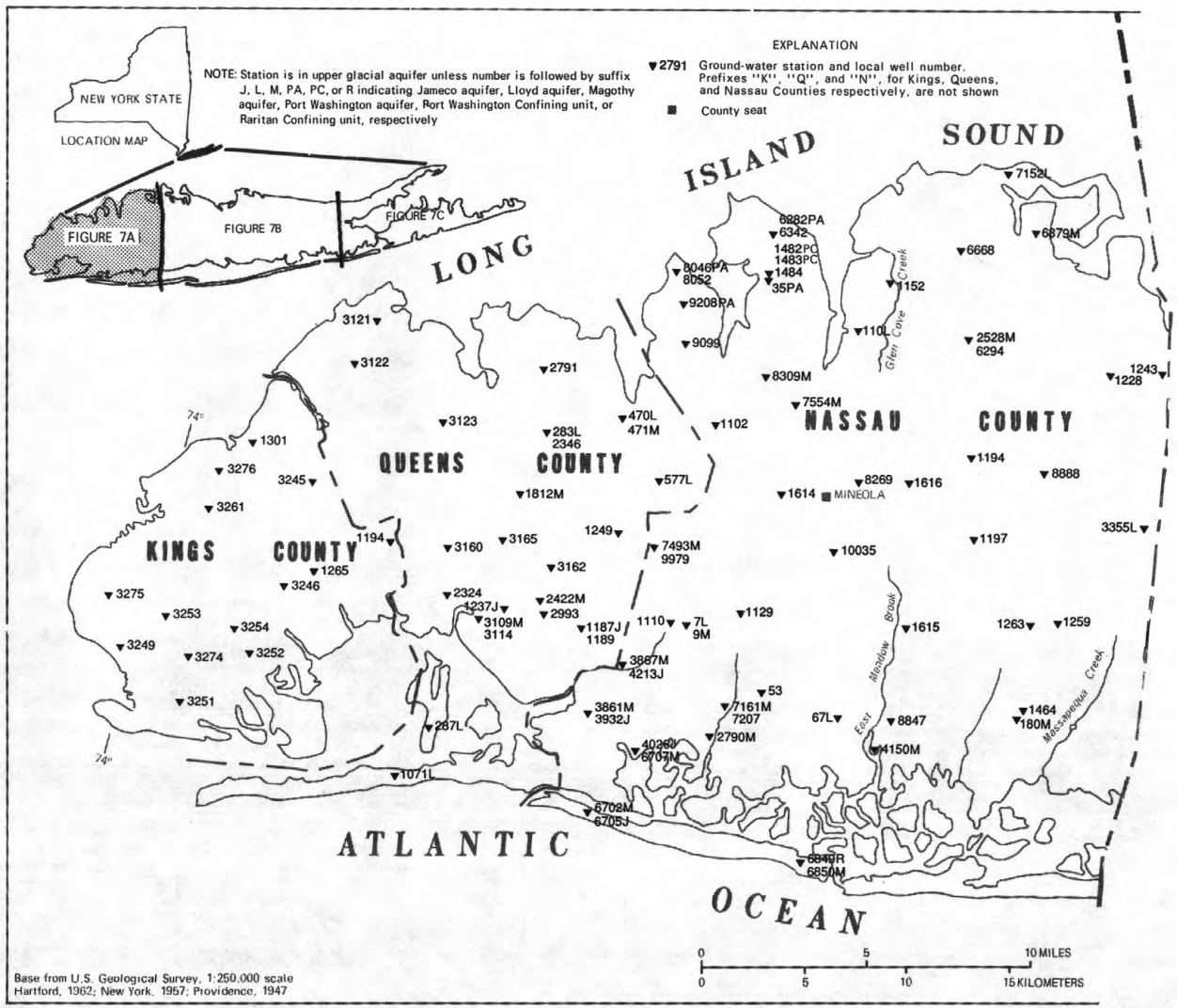


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

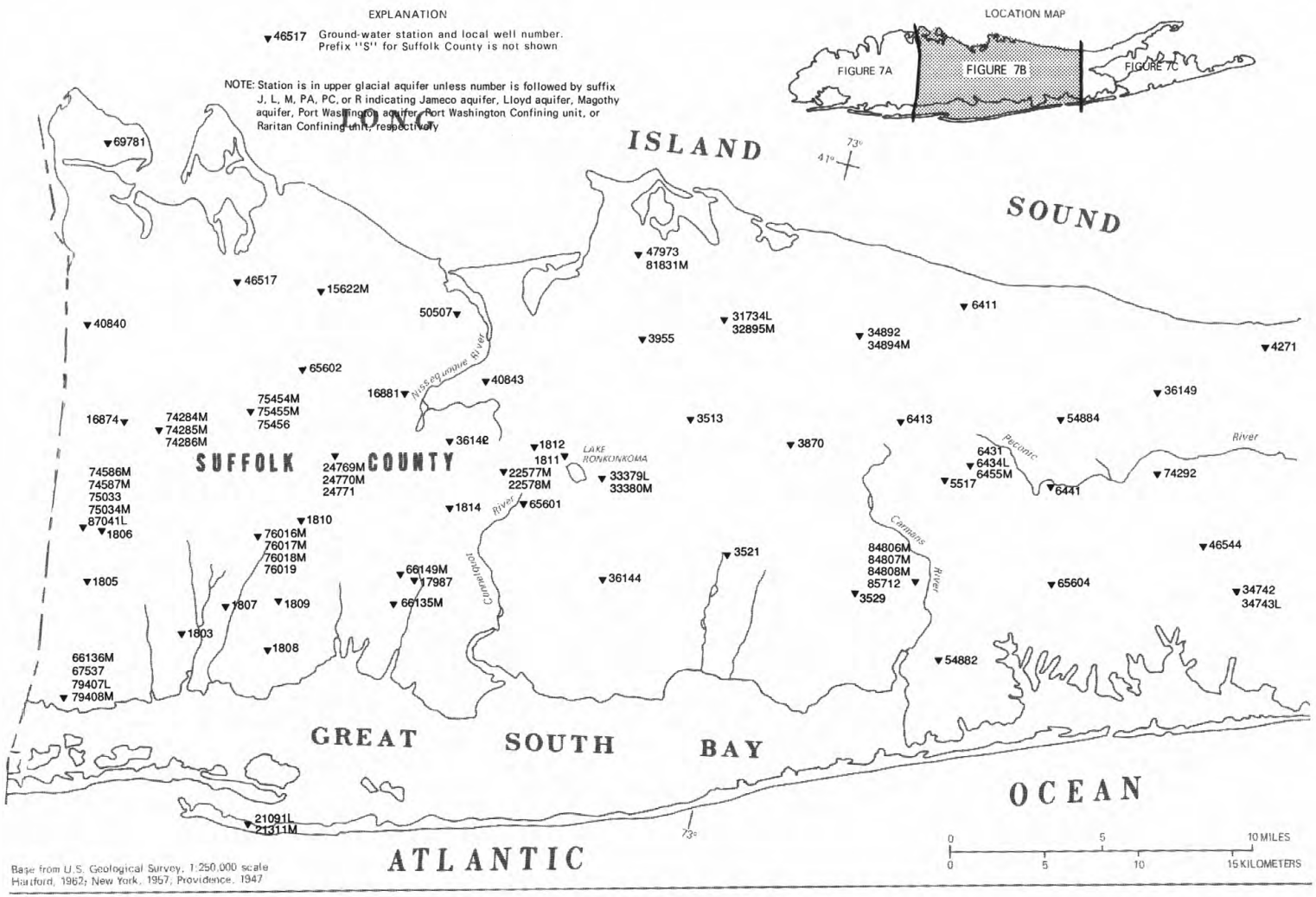


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

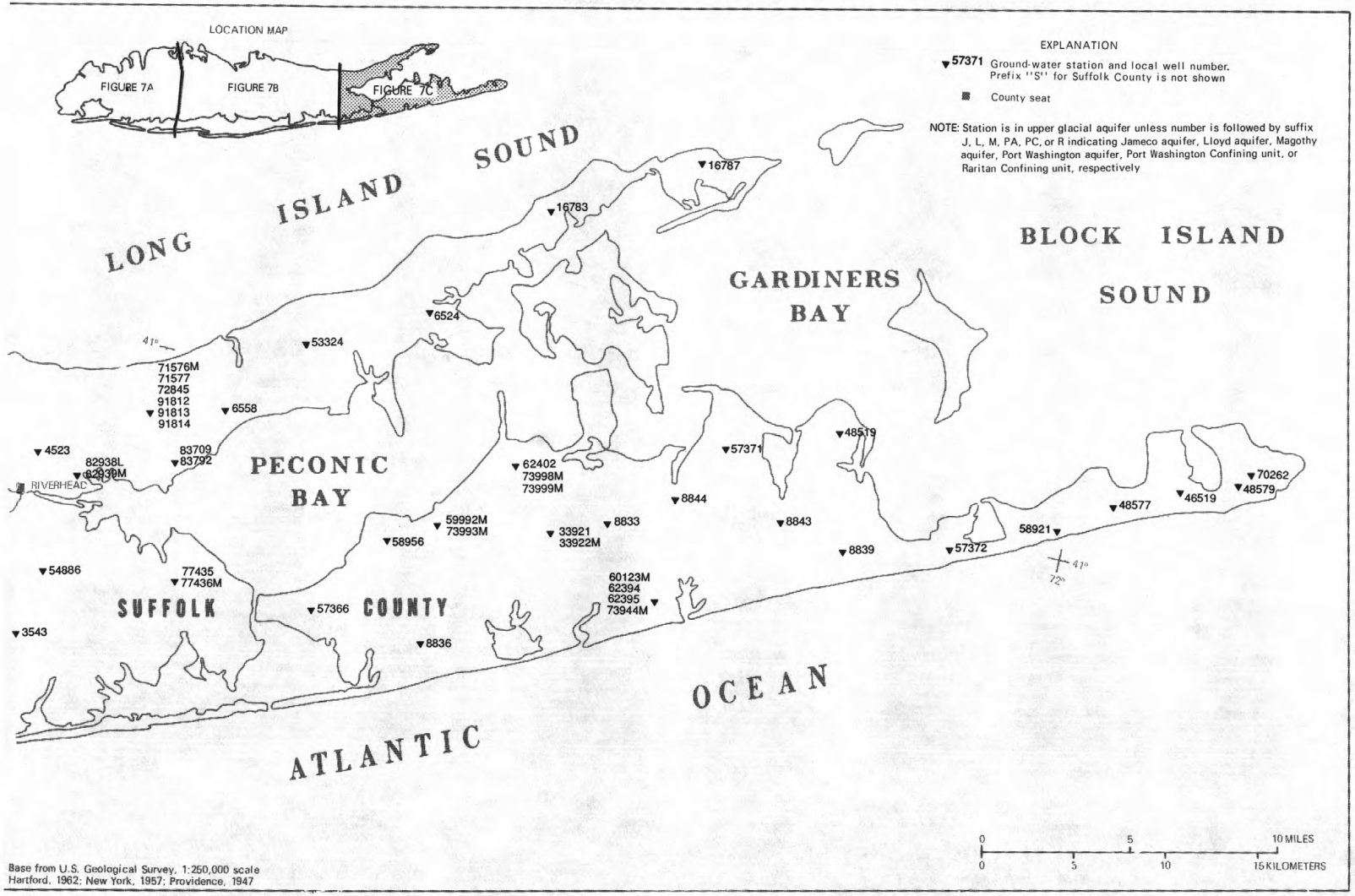


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

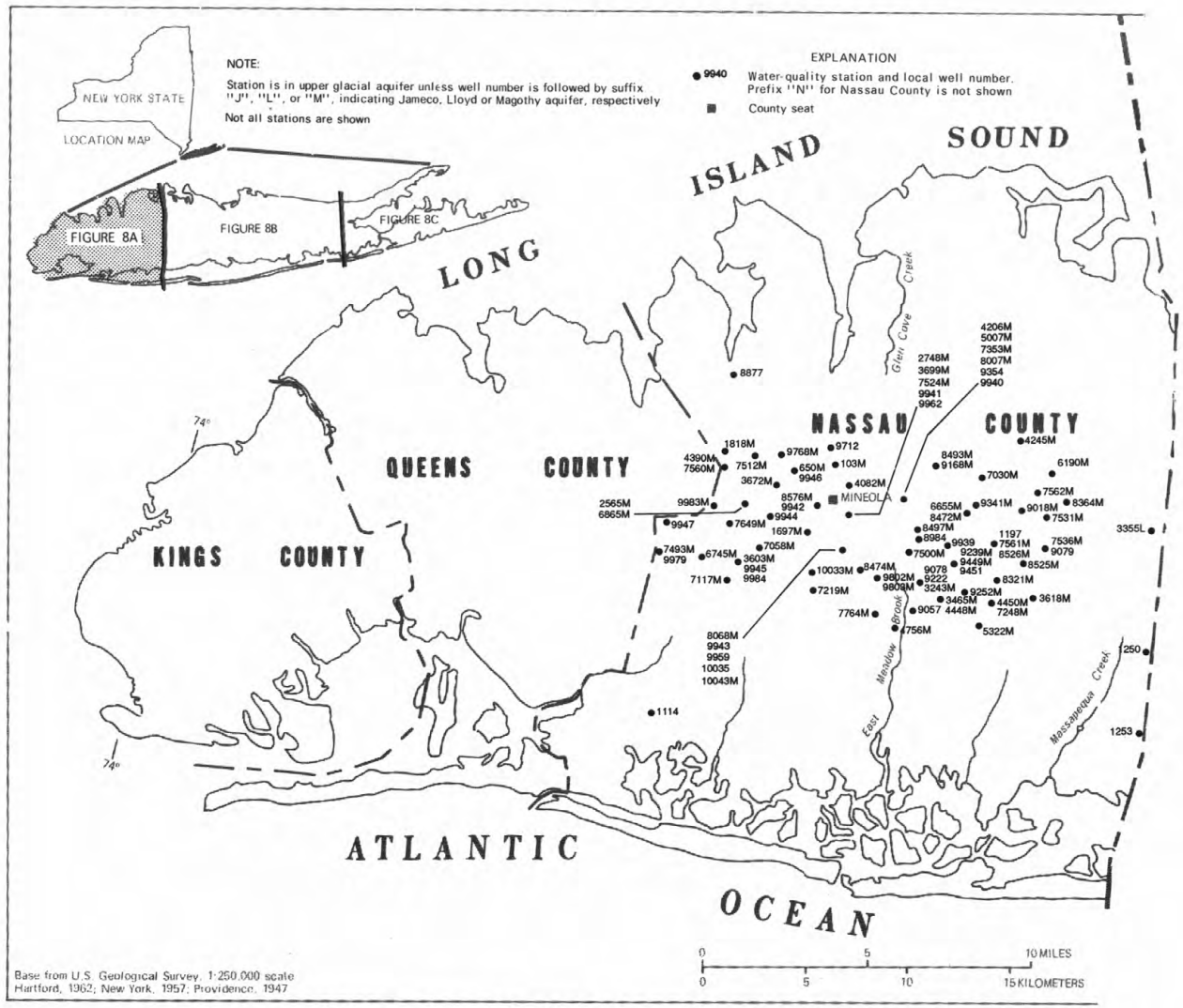


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

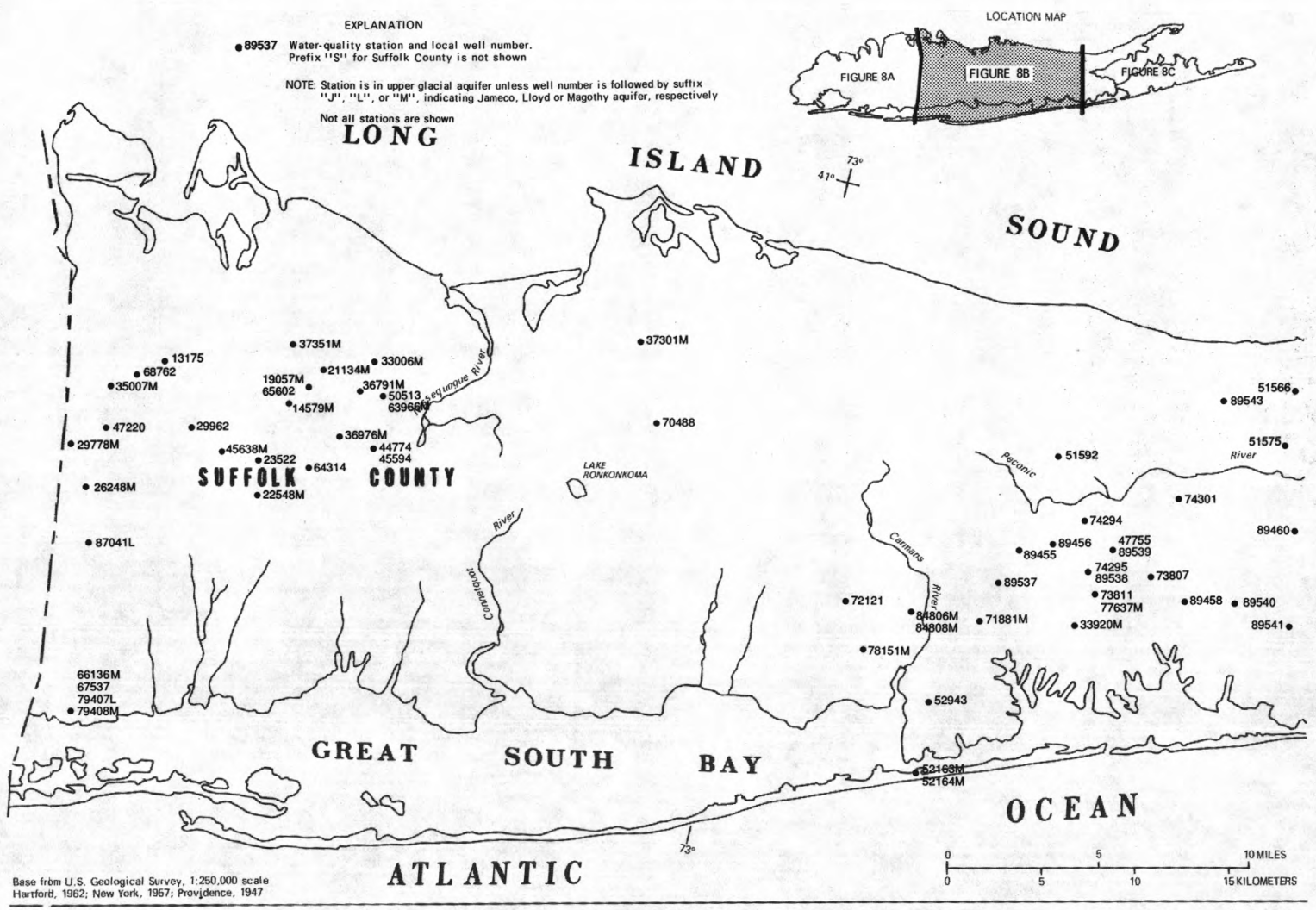


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

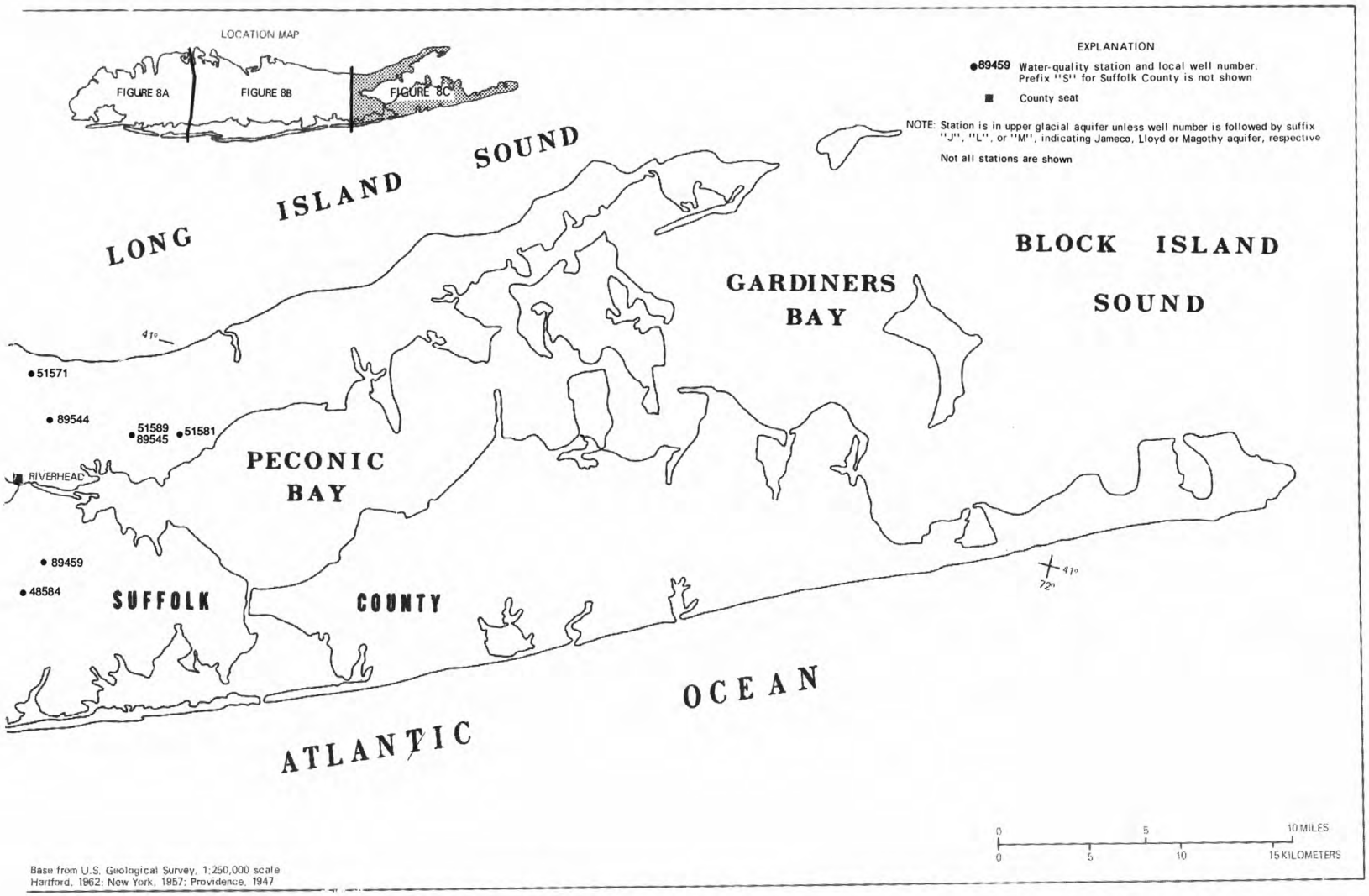


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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.--50 years, 7.32 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, 396 ft^3/s July 19, gage height, 4.75 ft from rating curve extended above 110 ft^3/s on basis of step-backwater method; minimum discharge, 3.4 ft^3/s Aug. 31; minimum gage height, 0.70 ft Nov. 21-23, Aug. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.3	6.6	4.5	5.8	5.0	5.0	4.6	14	5.8	4.9	4.1
2	4.2	4.2	5.4	4.1	11	4.4	4.5	4.5	5.6	5.0	5.1	4.1
3	11	4.3	4.8	4.1	7.1	5.4	4.4	4.4	5.1	5.0	5.0	4.0
4	22	4.4	7.5	4.4	22	19	5.1	4.5	5.1	4.9	5.1	35
5	6.8	4.4	5.1	4.1	7.4	9.1	4.6	8.6	4.7	5.7	4.7	9.5
6	5.3	4.3	6.3	4.1	5.5	6.1	4.4	9.4	6.8	5.7	4.5	6.8
7	9.5	4.1	7.4	4.0	4.8	5.2	5.5	5.5	5.5	5.8	4.3	4.8
8	4.8	4.1	5.8	4.1	4.7	4.8	4.7	4.8	4.4	5.2	4.4	4.3
9	4.4	4.3	4.2	4.1	4.6	4.7	4.5	4.6	4.6	5.6	4.5	4.2
10	4.2	15	5.3	4.1	4.5	4.7	4.4	4.8	4.5	5.7	4.4	4.1
11	5.8	10	8.8	4.1	4.4	4.4	4.4	9.8	4.8	5.0	4.2	4.2
12	4.2	5.7	5.6	4.1	44	4.4	4.4	4.8	4.9	7.6	4.2	4.3
13	4.1	5.0	4.4	4.2	12	4.4	4.4	4.7	5.3	5.0	4.2	19
14	4.0	4.7	4.2	4.1	7.4	4.4	4.4	5.3	5.7	7.5	4.1	6.5
15	4.0	4.3	17	4.1	9.5	4.4	4.6	4.4	5.2	4.9	4.2	5.1
16	4.1	4.2	7.8	4.0	13	4.3	4.5	4.5	5.9	5.2	4.2	4.4
17	4.0	4.3	5.7	4.1	6.6	4.3	4.4	19	14	11	4.4	4.7
18	4.0	7.4	4.9	13	5.6	4.3	5.0	37	4.8	4.9	4.2	4.4
19	4.1	4.1	4.6	6.9	6.6	4.2	4.5	18	5.1	16	4.0	4.4
20	4.1	4.2	7.7	19	16	4.3	4.5	10	5.6	20	4.0	5.2
21	4.1	4.0	4.7	10	6.7	4.2	8.8	6.5	5.8	17	3.9	8.8
22	3.9	3.9	4.5	6.9	5.4	4.2	7.2	5.2	5.4	11	4.0	7.8
23	3.9	4.1	4.3	5.4	5.2	4.3	4.5	5.3	5.0	19	3.9	4.3
24	3.9	4.1	4.2	4.9	4.9	4.3	4.4	8.4	5.2	32	19	4.2
25	3.9	4.1	4.5	5.7	4.7	4.3	5.4	7.6	5.2	12	7.1	4.2
26	3.9	4.1	5.1	9.5	4.6	21	5.3	5.0	9.7	21	5.0	4.3
27	9.3	4.1	4.1	5.4	4.8	10	4.5	4.5	5.6	10	4.3	4.3
28	12	4.1	4.1	4.8	4.6	5.9	20	4.3	5.1	13	4.0	4.3
29	5.1	11	4.5	4.5	4.5	5.1	5.8	4.3	7.9	7.3	5.8	4.2
30	4.9	19	4.1	4.7	---	4.9	5.4	4.3	5.9	5.6	3.6	4.3
31	4.6	---	4.1	5.5	---	4.6	---	4.5	---	4.8	3.8	---
TOTAL	178.5	169.8	177.3	176.5	247.9	184.6	163.5	233.1	182.4	294.2	153.0	193.8
MEAN	5.76	5.66	5.72	5.69	8.55	5.95	5.45	7.52	6.08	9.49	4.94	6.46
MAX	22	19	17	19	44	21	20	37	14	32	19	35
MIN	3.9	3.9	4.1	4.0	4.4	4.2	4.4	4.3	4.4	4.8	3.6	4.0

CAL YR 1987 TOTAL 2746.1 MEAN 7.52 MAX 85 MIN 3.9
WTR YR 1988 TOTAL 2354.6 MEAN 6.43 MAX 44 MIN 3.6

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
SEP 07...	1100	4.9	246	7.46	16.0	763	9.2	93	77	41

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
SEP 07...	19	7.1	18	2.1	36	26	27	0.10	14	136

DATE	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 ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHOROUS 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 07...	--	<0.010	0.070	0.63	4.2	0.030	0.010	500	50	--

01303000 MILL NECK CREEK AT MILL NECK, NY

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

DRAINAGE AREA.--About 11.5 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

AVERAGE DISCHARGE.--51 years, 9.11 ft^3/s.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 18	2030	*28	*0.68				

Minimum discharge, 4.4 ft^3/s Aug. 16, gage height, 0.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.7	10	7.1	7.1	8.0	6.4	6.5	5.9	5.8	6.0	5.6
2	6.6	6.6	7.8	6.7	7.9	8.2	6.6	6.2	7.1	5.8	5.8	5.6
3	6.5	6.8	7.0	6.4	9.0	8.5	6.6	6.1	6.2	5.5	5.6	5.4
4	13	6.9	7.7	7.8	11	11	6.8	5.9	6.1	5.3	5.4	10
5	10	6.6	7.9	6.9	9.9	15	6.5	6.0	5.8	5.4	5.3	14
6	8.3	6.3	7.2	6.4	7.6	9.6	6.4	7.9	5.3	5.4	5.1	8.2
7	8.7	6.2	6.6	6.2	6.6	7.6	6.5	7.8	5.2	5.3	5.1	6.5
8	7.7	6.3	6.5	6.9	6.3	6.9	6.8	6.7	5.3	5.3	5.0	6.0
9	7.0	6.3	6.5	7.2	6.3	6.7	6.4	6.2	5.4	5.4	5.1	5.9
10	7.0	8.2	6.4	6.7	6.3	6.5	6.1	6.1	5.5	5.9	5.1	5.9
11	7.2	12	7.9	6.3	6.3	6.2	6.0	7.3	5.4	5.6	5.1	5.6
12	7.4	9.2	7.7	6.3	16	6.3	6.0	7.2	5.3	5.8	5.2	5.6
13	7.1	7.7	6.9	6.3	14	6.5	6.0	6.5	5.1	5.7	5.4	8.3
14	6.8	6.9	6.5	6.0	9.0	6.3	5.9	6.2	5.1	5.6	5.2	7.7
15	6.6	6.6	8.1	5.9	8.0	6.2	6.0	5.9	5.1	6.1	5.0	6.3
16	6.6	6.6	11	5.9	11	6.1	6.2	5.8	5.1	5.6	4.7	5.7
17	6.6	6.8	8.0	6.0	8.7	6.0	6.0	8.8	6.5	5.7	4.9	5.8
18	6.6	7.7	7.1	8.3	7.5	6.1	6.1	16	7.0	5.8	5.2	6.0
19	6.6	7.2	6.8	8.9	7.2	6.1	6.3	20	6.0	6.1	5.0	5.9
20	6.6	7.0	7.4	10	11	6.0	6.0	14	5.6	12	5.2	6.2
21	6.8	6.4	7.1	10	8.8	5.7	5.8	9.5	5.4	11	5.2	6.3
22	6.7	10	6.6	8.5	7.5	5.8	5.6	7.9	5.2	11	5.0	5.9
23	6.7	8.7	6.8	7.3	6.9	6.0	5.8	7.2	4.9	8.6	5.1	5.9
24	6.9	7.6	7.5	6.8	7.0	6.0	6.1	7.2	4.8	21	9.8	5.9
25	6.9	7.0	8.2	7.2	7.0	6.2	5.8	8.4	4.9	15	8.7	5.7
26	6.6	6.9	8.5	8.6	7.0	8.4	5.8	7.7	6.2	11	6.8	5.6
27	6.7	6.7	8.2	7.4	7.3	12	5.7	6.7	6.2	12	6.0	5.7
28	10	6.9	7.5	6.7	7.5	8.4	10	6.2	5.5	9.4	5.8	5.5
29	8.4	7.7	7.3	6.3	7.9	7.2	8.3	5.9	5.9	8.9	6.1	5.3
30	7.4	13	9.8	6.3	---	6.6	7.2	5.7	6.6	7.1	6.1	5.3
31	7.0	---	7.8	6.4	---	6.3	---	5.5	---	6.3	5.8	---
TOTAL	230.0	225.5	236.3	219.7	243.6	228.4	191.7	241.0	169.6	240.4	174.8	193.3
MEAN	7.42	7.52	7.62	7.09	8.40	7.37	6.39	7.77	5.65	7.75	5.64	6.44
MAX	13	13	11	10	16	15	10	20	7.1	21	9.8	14
MIN	6.5	6.2	6.4	5.9	6.3	5.7	5.6	5.5	4.8	5.3	4.7	5.3

CAL YR 1987 TOTAL 3010.8 MEAN 8.25 MAX 29 MIN 5.8
WTR YR 1988 TOTAL 2594.3 MEAN 7.09 MAX 21 MIN 4.7

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
SEP 07...	0900	6.6	144	9.52	19.0	764	10.5	113	46	25

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
SEP 07...	11	4.5	10	1.3	21	18	14	<0.10	8.9	81

DATE	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, 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 07...	1.48	0.020	0.080	0.82	2.4	0.100	0.010	730	40	--

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. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--37 years (1951-78, 80-88), 2.62 ft^3/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s Jan. 21, 1979, gage height, 1.99 ft (result of regulation), from rating curve extended above 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, 6.0 ft^3/s Feb. 12, gage height, 0.39 ft; maximum gage height, 1.40 ft Feb. 20 (backwater from high tide); minimum discharge 0.28 ft^3/s July 8-10, Sept. 26-29; minimum gage height, 0.08 ft Sept. 26-29 .

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.98	1.1	2.8	1.1	1.3	1.1	.95	1.0	2.0	.72	.65	.47
2	1.0	1.1	1.9	1.1	1.5	1.1	.98	.86	.98	.50	.53	.46
3	1.2	1.2	1.5	1.1	1.8	1.2	.98	.89	.98	.45	.46	.38
4	2.9	1.1	1.6	1.8	2.4	1.6	1.1	.86	.93	.41	.40	1.1
5	2.2	1.1	1.6	1.4	2.5	2.6	1.1	.88	.86	.41	.33	2.9
6	1.4	.94	1.3	1.2	1.7	1.9	.98	1.9	.68	.42	.32	1.8
7	1.4	1.0	1.1	1.1	1.3	1.5	.98	2.1	.57	.41	.32	1.2
8	1.3	1.2	1.1	1.4	1.2	1.3	1.2	1.1	.54	.35	.32	.97
9	1.1	1.2	1.1	1.6	1.1	1.1	1.0	.93	.55	.27	.34	.86
10	1.1	1.7	1.1	1.3	1.1	1.1	.86	.88	.56	.37	.34	.86
11	1.3	2.6	1.5	1.2	1.1	1.1	.86	1.6	.68	.42	.37	.75
12	1.3	2.1	1.4	1.1	4.0	.98	.86	1.6	.66	.49	.49	.74
13	1.3	1.7	1.2	1.2	4.1	.99	.86	1.2	.56	.46	.54	1.7
14	1.1	1.4	1.1	1.1	2.3	1.1	.86	.85	.48	.43	.51	1.8
15	1.1	1.2	1.5	1.0	1.8	.98	.86	.78	.47	.50	e.47	1.3
16	1.1	1.1	3.2	1.0	2.8	.99	.92	.83	.50	.41	e.47	.98
17	1.1	1.1	2.2	1.1	2.3	.98	.86	1.3	.51	.40	e.47	.86
18	1.1	1.3	1.6	1.9	1.6	.98	.86	2.7	.73	.39	e.39	.91
19	1.1	1.1	1.4	2.2	1.4	.99	.86	3.9	.64	.37	e.39	.85
20	1.1	1.1	1.6	2.2	2.4	.99	.85	3.4	.55	1.2	e.39	.84
21	1.3	.99	1.4	2.2	2.0	.88	.80	2.8	.48	1.9	e.32	.60
22	1.2	.89	1.2	1.7	1.5	.86	.75	2.2	.48	1.6	e.32	.39
23	1.1	.91	1.2	1.5	1.3	.91	.80	1.9	.43	1.0	.32	.35
24	1.1	.86	.98	1.3	1.3	.99	.86	1.9	.38	3.3	1.8	.35
25	1.1	.86	.97	1.5	1.2	1.0	.78	2.2	.38	2.3	2.0	.32
26	1.1	.86	1.1	2.1	1.1	1.6	.77	2.1	.73	1.4	1.3	.32
27	1.3	.90	.98	1.6	1.2	3.0	.78	1.7	1.2	3.1	.86	.32
28	2.1	.98	.98	1.3	1.3	2.0	2.1	1.3	.86	2.3	.75	.26
29	1.7	1.2	1.1	1.2	1.2	1.3	1.7	.75	.63	2.4	.65	.29
30	1.3	3.6	.94	1.1	---	1.1	1.3	.93	.56	1.5	.72	.35
31	1.1	---	1.0	1.1	---	.98	---	1.3	---	.86	.60	---
TOTAL	40.58	38.39	43.65	43.7	51.8	39.20	29.42	48.64	20.56	31.04	18.14	25.28
MEAN	1.31	1.28	1.41	1.41	1.79	1.26	.98	1.57	.69	1.00	.59	.84
MAX	2.9	3.6	3.2	2.2	4.1	3.0	2.1	3.9	2.0	3.3	2.0	2.9
MIN	.98	.86	.94	1.0	1.1	.86	.75	.75	.38	.27	.32	.26

CAL YR 1987 TOTAL 581.72 MEAN 1.59 MAX 7.4 MIN .62
WTR YR 1988 TOTAL 430.40 MEAN 1.18 MAX 4.1 MIN .26

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.--45 years, 41.9 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, 19 ft^3/s June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77 ft^3/s July 24, gage height, 0.92 ft; minimum, 24 ft^3/s Sept. 13, gage height, 0.56 ft (result of regulation).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	32	43	33	36	39	42	40	37	30	34	28
2	31	32	40	33	39	38	42	39	37	30	33	27
3	31	32	38	33	41	41	42	38	36	29	32	27
4	45	31	40	35	46	43	42	38	36	29	31	31
5	45	29	41	34	47	49	42	38	35	30	30	33
6	39	29	39	33	43	47	40	39	35	28	29	31
7	38	29	38	33	39	44	41	40	34	27	29	30
8	38	31	37	34	38	43	42	39	34	28	28	29
9	36	32	36	35	37	41	41	38	34	28	29	30
10	36	34	36	34	37	40	40	37	34	27	29	29
11	36	39	38	33	36	39	40	37	32	28	29	28
12	37	38	38	32	57	38	39	37	32	29	31	29
13	37	37	37	33	60	40	38	37	32	29	31	41
14	36	36	36	33	49	39	38	37	32	29	27	46
15	32	35	41	32	47	40	38	36	30	28	28	37
16	32	34	49	29	57	40	38	36	29	28	29	32
17	31	33	43	31	52	39	38	44	30	28	28	30
18	30	37	38	36	47	39	39	51	31	28	28	30
19	32	36	37	38	44	38	38	52	33	28	28	29
20	35	35	37	41	49	38	38	48	33	34	28	29
21	31	34	37	44	46	38	38	46	32	51	27	32
22	32	33	36	41	44	37	37	44	32	47	27	30
23	30	33	35	39	42	37	38	43	31	44	27	29
24	27	33	35	37	41	37	38	42	29	67	32	29
25	33	33	35	39	40	37	37	45	29	54	33	29
26	34	34	35	44	40	43	37	44	35	45	31	28
27	32	34	35	42	40	67	37	41	33	44	30	28
28	34	33	33	39	40	57	43	39	32	41	30	28
29	33	35	34	37	40	49	42	38	30	39	31	28
30	33	44	33	37	---	46	41	37	30	36	29	29
31	32	---	33	36	---	44	---	36	---	35	30	---
TOTAL	1063	1017	1163	1110	1274	1307	1186	1256	979	1078	918	916
MEAN	34.3	33.9	37.5	35.8	43.9	42.2	39.5	40.5	32.6	34.8	29.6	30.5
MAX	45	44	49	44	60	67	43	52	37	67	34	46
MIN	27	29	33	29	36	37	37	36	29	27	27	27

CAL YR 1987 TOTAL 14693 MEAN 40.3 MAX 80 MIN 27
WTR YR 1988 TOTAL 13267 MEAN 36.2 MAX 67 MIN 27

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS TOTAL (MG/L AS CACO3)
DEC												
02...	1100	40	121	6.83	8.5	0.60	753	11.2	97	--	--	29
* 18...	1140	38	139	6.50	5.0	--	--	11.0	--	--	--	29
MAR												
* 21...	1330	37	152	8.80	6.5	--	--	12.1	--	--	--	29
APR												
13...	0900	38	126	5.97	11.0	0.50	764	10.5	95	K15	K18	30
MAY												
31...	1845	36	121	6.76	21.5	--	762	8.6	97	--	--	27
JUN												
* 20...	1300	33	114	5.90	21.5	--	--	8.8	--	--	--	27
30...	1530	30	107	6.81	19.0	0.30	752	8.7	95	--	--	28
AUG												
04...	1445	31	120	5.88	24.5	--	764	7.5	89	--	--	26
25...	1130	32	118	6.54	18.0	1.0	761	8.6	91	K17	K19	28

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 1987 TO SEPTEMBER 1988

DATE	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CACO3	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	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
DEC											
02...	13	7.3	2.6	13	1.7	--	16	10	19	0.40	8.6
18...	29	7.0	2.8	10	1.4	--	--	12	16	--	--
MAR											
21...	29	6.5	3.0	22	1.3	--	--	37	15	--	--
APR											
13...	8	7.5	2.7	13	1.4	22	17	13	18	0.10	6.4
MAY											
31...	9	6.6	2.6	12	1.1	--	18	10	17	0.30	--
JUN											
20...	10	6.5	2.6	11	1.1	17	--	6.8	18	--	--
30...	6	6.9	2.6	12	0.90	22	18	10	16	<0.10	6.5
AUG											
04...	9	6.4	2.5	11	0.90	--	17	10	14	0.10	--
25...	8	6.8	2.6	12	0.80	19	19	10	15	0.10	8.4

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
DEC											
02...	84	79	--	--	--	<0.010	1.60	0.030	0.30	--	0.030
18...	--	50	2.10	--	0.009	--	--	--	0.60	0.40	0.130
MAR											
21...	--	85	2.30	--	0.009	--	--	--	<0.05	<0.05	<0.020
APR											
13...	80	84	--	1.89	--	0.010	1.90	0.030	0.30	--	0.030
MAY											
31...	--	60	--	--	--	--	--	--	--	--	--
JUN											
20...	--	56	0.110	--	0.017	--	--	--	<0.05	<0.05	<0.020
30...	73	74	--	--	--	<0.010	1.30	0.030	0.50	--	0.030
AUG											
04...	--	55	--	--	--	--	--	--	--	--	--
25...	75	72	--	--	--	<0.010	1.00	0.030	0.30	--	0.040

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
DEC											
02...	0.27	0.020	<0.010	--	<0.010	--	<1	16	<0.5	--	<1
18...	0.47	0.052	0.043	0.005	--	--	--	--	--	--	--
MAR											
21...	--	<0.010	<0.010	0.003	--	--	--	--	--	--	--
APR											
13...	0.27	0.010	<0.010	--	<0.010	--	<1	13	<0.5	--	<1
MAY											
31...	--	--	--	--	--	40	--	--	--	1	--
JUN											
20...	--	0.043	0.041	0.010	--	--	--	--	--	--	--
30...	0.47	0.010	<0.010	--	<0.010	<10	<1	12	<0.5	<1	<1
AUG											
04...	--	--	--	--	--	10	--	--	--	1	--
25...	0.26	<0.010	<0.010	--	<0.010	40	<1	11	<0.5	<1	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	CHROMIUM, DISSOLVED (UG/L AS CR)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
DEC											
02...	<4	<3	--	2	--	37	--	<5	1	--	47
18...	--	--	--	--	300	400	--	--	--	40	--
MAR											
21...	--	--	--	--	100	<50	--	--	--	<20	--
APR											
13...	<4	<3	--	1	--	48	--	<5	<1	--	64
MAY											
31...	--	--	5	--	260	--	<5	--	--	130	--
JUN											
20...	--	--	--	--	<200	200	--	--	--	80	--
30...	<4	<3	10	1	120	37	<5	<5	1	80	35
AUG											
04...	--	--	8	--	180	--	5	--	--	70	--
25...	<4	<3	2	2	120	40	<5	<5	1	50	30

DATE	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC											
02...	<0.1	<10	--	2	<1	<1.0	51	<6	--	6	--
18...	--	--	--	--	--	--	--	--	--	--	0.02
MAR											
21...	--	--	--	--	--	--	--	--	--	--	0.05
APR											
13...	<0.1	<10	--	<1	<1	<1.0	54	<6	--	5	--
MAY											
31...	--	--	4	--	--	--	--	--	<10	--	--
JUN											
20...	--	--	--	--	--	--	--	--	--	--	<0.02
30...	<0.1	<10	43	<1	<1	1.0	52	<6	70	88	--
AUG											
04...	--	--	3	--	--	--	--	--	10	--	--
25...	<0.1	<10	2	1	<1	<1.0	50	<6	60	12	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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
DEC					
02...	1100	40	<1	--	57
APR					
13...	0900	38	1	0.14	71
JUN					
30...	1530	30	1	0.10	50
AUG					
25...	1130	32	3	0.25	34

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.--46 years, 36.5 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, 3.7 ft^3/s Aug. 2, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70 ft^3/s Feb. 26, gage height, 0.68 ft; minimum 2.1 ft^3/s Feb. 14 (result of freezeup), gage height, 0.11 ft; minimum daily, 12 ft^3/s Aug. 14-15, 19-23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	19	21	20	26	32	48	35	24	16	16	14
2	19	19	21	20	26	32	45	34	24	16	17	13
3	19	19	20	20	27	32	42	34	24	16	17	13
4	21	19	20	20	29	34	43	32	23	16	17	14
5	21	18	20	20	30	37	42	31	23	16	16	15
6	21	17	20	19	30	37	40	31	23	16	16	15
7	20	17	20	18	29	36	41	31	22	16	15	15
8	20	17	19	19	28	35	42	31	21	15	14	14
9	19	17	19	20	27	35	41	30	21	15	14	14
10	19	17	19	20	26	34	40	30	21	15	14	14
11	19	19	20	19	26	32	38	28	21	15	14	14
12	19	21	20	19	32	31	37	28	21	15	14	14
13	18	21	20	19	37	31	36	28	18	16	14	15
14	18	21	19	19	31	32	35	27	16	17	12	17
15	18	20	20	19	39	32	35	26	21	17	12	16
16	18	20	23	19	47	32	35	26	21	17	13	15
17	18	20	22	19	45	31	33	26	17	16	13	14
18	17	21	21	21	44	31	33	27	18	15	13	13
19	17	20	21	23	43	30	33	28	19	15	12	13
20	17	20	22	22	45	30	32	30	18	17	12	13
21	18	20	22	22	43	30	32	31	18	21	12	17
22	18	18	21	26	41	29	32	31	18	20	12	16
23	17	16	21	26	40	28	31	30	17	19	12	16
24	17	16	21	29	39	28	32	29	17	25	14	15
25	17	16	21	28	38	28	31	29	17	25	16	14
26	17	16	21	30	43	31	30	29	18	24	16	14
27	17	16	20	28	45	46	30	28	17	24	15	13
28	19	16	19	28	28	45	33	27	16	23	15	13
29	20	16	18	27	31	45	34	27	16	21	15	13
30	19	18	13	26	---	45	35	26	16	19	14	13
31	19	---	20	26	---	44	---	25	---	17	14	---
TOTAL	576	550	624	691	1015	1055	1091	905	586	555	440	429
MEAN	18.6	18.3	20.1	22.3	35.0	34.0	36.4	29.2	19.5	17.9	14.2	14.3
MAX	21	21	23	30	47	46	48	35	24	25	17	17
MIN	17	16	13	18	26	28	30	25	16	15	12	13

CAL YR 1987 TOTAL 10164 MEAN 27.8 MAX 64 MIN 13
WTR YR 1988 TOTAL 8517 MEAN 23.3 MAX 48 MIN 12

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 1987 TO SEPTEMBER 1988

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 18...	0900	21	144	6.60	2.0	12.5	7.5	2.7	8.5
MAR 22...	--	30	139	7.80	2.5	12.5	7.0	2.2	9.0
JUN 21...	1030	18	105	6.00	23.5	6.2	7.0	2.4	9.0

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 18...	1.6	--	16	16	0.34	0.005	0.09	0.70
MAR 22...	1.7	--	13	13	<0.05	0.003	<0.02	0.40
JUN 21...	1.3	18	10	16	<0.05	0.006	<0.02	0.26

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 18...	0.40	0.071	0.058	0.039	400	400	40	<0.02
MAR 22...	0.33	0.036	<0.010	0.027	500	300	110	0.03
JUN 21...	0.17	0.135	0.104	0.040	700	500	120	0.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 71 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

AVERAGE DISCHARGE.--46 years, 24.0 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft^3/s Jan. 26, 1978, gage height, 1.93 ft; 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, 40 ft^3/s Mar. 26, gage height, 1.46 ft; minimum, 11 ft^3/s Dec. 30, Aug. 23, gage height, 1.00 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	20	17	18	20	20	19	17	15	14	12
2	18	17	18	17	19	20	20	19	17	15	14	12
3	18	17	18	17	19	20	20	18	16	14	13	12
4	21	17	18	18	20	22	21	18	17	14	13	14
5	19	17	19	17	20	24	21	18	17	14	13	15
6	19	16	18	16	18	21	20	19	16	14	13	14
7	19	16	18	16	18	21	20	19	16	14	13	13
8	18	16	17	17	18	20	20	18	16	14	13	12
9	18	16	17	17	18	20	20	18	16	14	13	13
10	18	17	17	17	18	20	19	18	16	14	13	13
11	18	21	18	16	17	20	19	18	16	14	13	13
12	18	20	18	15	24	19	19	18	16	14	13	12
13	18	18	17	16	23	20	19	18	15	14	13	17
14	18	18	17	16	19	20	19	18	15	14	13	16
15	18	18	18	15	20	20	19	17	15	14	13	14
16	18	17	21	15	26	20	19	17	15	14	12	13
17	18	17	19	15	22	19	19	19	15	13	12	13
18	18	18	18	18	20	19	19	19	16	16	12	13
19	17	18	17	19	20	19	20	19	15	20	12	13
20	17	18	17	20	21	19	20	19	15	14	12	13
21	17	18	18	20	20	19	19	19	15	17	12	15
22	17	16	17	19	19	18	19	18	15	16	12	14
23	17	17	17	18	19	18	19	18	15	15	12	13
24	17	17	17	17	20	18	19	18	15	19	15	13
25	17	17	17	18	19	18	19	18	15	17	15	13
26	17	17	17	21	19	23	18	18	15	15	14	13
27	17	17	17	19	19	31	19	17	15	15	14	13
28	20	17	17	18	20	24	21	17	15	15	13	13
29	18	17	17	18	20	21	20	17	15	14	13	12
30	17	21	15	17	---	21	20	17	15	14	13	12
31	17	---	17	17	---	20	---	16	---	14	13	---
TOTAL	556	523	546	536	573	634	586	559	467	460	403	398
MEAN	17.9	17.4	17.6	17.3	19.8	20.5	19.5	18.0	15.6	14.8	13.0	13.3
MAX	21	21	21	21	26	31	21	19	17	20	15	17
MIN	17	16	15	15	17	18	18	16	15	13	12	12

CAL YR 1987 TOTAL 7557 MEAN 20.7 MAX 35 MIN 15
WTR YR 1988 TOTAL 6241 MEAN 17.1 MAX 31 MIN 12

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS TOTAL (MG/L AS CACO3)
DEC												
02...	1545	18	116	6.78	8.0	1.2	756	10.9	92	--	--	33
* 18...	0800	18	154	6.70	3.0	--	--	12.0	--	--	--	34
MAR												
* 22...	--	18	160	7.80	4.0	--	--	11.2	--	--	--	17
APR												
13...	1400	19	120	6.30	14.0	1.7	763	12.7	123	K10	K12	33
MAY												
31...	1415	17	122	6.52	24.0	--	763	9.7	115	--	--	32
JUN												
* 21...	0900	16	118	7.20	20.0	--	--	8.2	--	--	--	32
30...	1200	15	218	6.87	22.0	0.60	752	10.1	117	--	--	34
AUG												
04...	1130	13	123	7.21	26.0	--	764	10.5	129	--	--	--
25...	1430	15	--	--	--	0.90	--	--	--	K18	K20	35

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 1987 TO SEPTEMBER 1988

DATE	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CACO3	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
DEC											
02...	17	8.1	3.2	10	1.2	--	16	13	18	0.10	12
18...	34	8.0	3.3	9.0	1.2	--	--	15	16	--	--
MAR											
22...	17	4.0	1.6	5.0	0.60	--	--	13	14	--	--
APR											
13...	9	8.0	3.2	10	1.2	25	17	15	14	0.10	9.0
MAY											
31...	14	7.6	3.2	10	1.0	--	18	14	15	0.30	--
JUN											
21...	8	8.0	3.0	9.5	0.90	24	--	12	18	--	--
30...	10	8.2	3.3	11	0.80	26	18	15	16	<0.10	10
AUG											
04...	--	--	--	--	--	--	18	15	15	0.10	--
25...	16	8.2	3.4	11	0.90	18	17	14	15	0.10	11

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
DEC											
02...	76	81	--	--	--	<0.010	1.30	0.020	0.20	--	0.030
18...	--	53	1.60	--	0.004	--	--	--	<0.10	<0.10	0.040
MAR											
22...	--	38	1.20	--	0.005	--	--	--	0.19	<0.05	0.030
APR											
13...	81	81	--	1.19	--	0.010	1.20	0.030	0.30	--	0.020
MAY											
31...	--	62	--	--	--	--	--	--	--	--	--
JUN											
21...	--	66	0.740	--	0.008	--	--	--	<0.05	<0.05	<0.020
30...	72	84	--	--	--	<0.010	1.10	0.030	1.4	--	0.030
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
25...	91	79	--	--	--	<0.010	0.900	0.020	0.30	--	0.040

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
DEC											
02...	0.17	0.020	0.010	--	<0.010	--	<1	19	<0.5	--	<1
18...	--	0.048	0.034	0.006	--	--	--	--	--	--	--
MAR											
22...	0.16	<0.010	<0.010	0.006	--	--	--	--	--	--	--
APR											
13...	0.28	0.090	0.040	--	<0.010	--	<1	15	<0.5	--	<1
MAY											
31...	--	--	--	--	--	20	--	--	--	<1	--
JUN											
21...	--	0.051	0.038	0.006	--	--	--	--	--	--	--
30...	1.4	0.020	<0.010	--	0.050	40	1	23	<0.5	1	2
AUG											
04...	--	--	--	--	--	<10	--	--	--	2	--
25...	0.26	0.010	<0.010	--	<0.010	30	10	16	<0.5	<1	<1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	CHROMIUM, DISSOLVED (UG/L AS CR)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
DEC											
02...	<4	<3	--	<1	--	110	--	<5	1	--	58
18...	--	--	--	--	300	300	--	--	--	70	--
MAR											
22...	--	--	--	--	500	<50	--	--	--	130	--
APR											
13...	<4	<3	--	4	--	170	--	<5	<1	--	54
MAY											
31...	--	--	3	--	410	--	<5	--	--	80	--
JUN											
21...	--	--	--	--	400	300	--	--	--	100	--
30...	<4	<3	4	2	280	170	<5	<5	1	70	59
AUG											
04...	--	--	12	--	310	--	<5	--	--	40	--
25...	<4	<3	2	1	340	140	34	5	1	70	53

DATE	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC											
02...	<0.1	<10	--	2	<1	<1.0	38	<6	--	7	--
18...	--	--	--	--	--	--	--	--	--	--	<0.02
MAR											
22...	--	--	--	--	--	--	--	--	--	--	0.02
APR											
13...	<0.1	<10	--	<1	<1	<1.0	39	<6	--	25	--
MAY											
31...	--	--	4	--	--	--	--	--	<10	--	--
JUN											
21...	--	--	--	--	--	--	--	--	--	--	<0.02
30...	<0.1	<10	1	<1	<1	<1.0	40	<6	<10	86	--
AUG											
04...	--	--	3	--	--	--	--	--	10	--	--
25...	<0.1	<10	1	2	<1	<1.0	46	<6	20	6	--

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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
DEC					
02...	1545	18	2	0.09	95
APR					
13...	1400	19	3	0.13	96
JUN					
30...	1200	15	2	0.10	68
AUG					
25...	1430	15	2	0.08	65

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 May to July, which are fair. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--42 years, 12.6 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, 38 ft^3/s Mar. 26, July 24; maximum gage height, 1.41 ft May 17 (backwater from debris); minimum discharge, 0.08 ft^3/s Apr. 3, gage height, 0.07 ft (result of regulation).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	7.7	9.0	9.0	9.2	10	11	11	9.7	7.9	8.1	7.1
2	8.1	7.7	8.5	8.7	10	10	12	11	9.4	8.0	8.1	6.7
3	7.9	7.9	8.5	8.5	10	11	7.6	10	9.9	7.6	7.6	6.6
4	9.5	8.1	11	9.1	12	15	17	10	9.9	7.1	8.0	9.2
5	7.9	8.1	9.5	8.6	10	14	13	11	9.7	7.1	7.8	8.2
6	7.7	8.1	9.0	8.5	9.6	11	12	13	10	7.1	7.7	7.2
7	8.1	8.1	9.0	8.5	9.4	11	12	12	9.4	7.1	7.5	7.0
8	8.1	8.4	9.0	9.1	9.5	10	11	11	9.3	7.1	7.3	6.9
9	7.8	8.5	9.0	9.1	9.4	11	11	10	9.9	7.4	7.3	7.2
10	7.3	9.8	9.0	8.5	9.3	11	11	10	9.8	7.6	7.3	7.0
11	7.4	11	9.6	8.5	9.7	11	11	11	9.8	7.3	7.3	7.1
12	7.3	9.6	9.8	8.5	20	11	11	11	9.6	7.6	7.6	7.0
13	7.4	9.1	9.2	8.8	12	11	11	11	9.5	6.8	7.3	15
14	7.7	9.0	9.0	8.4	9.8	11	11	11	9.5	6.9	7.1	9.0
15	7.4	9.0	11	8.2	12	12	11	12	9.1	7.4	7.0	7.9
16	7.3	9.0	11	8.5	16	11	11	12	8.7	7.4	6.5	7.7
17	7.3	9.0	9.2	8.3	9.7	11	11	14	11	7.5	6.6	7.7
18	7.3	9.6	9.0	12	9.5	11	11	9.9	11	7.9	6.8	7.6
19	7.8	8.6	9.0	9.7	9.5	11	11	10	9.9	7.4	7.0	7.3
20	7.8	9.1	9.9	13	11	11	11	9.6	9.6	7.7	7.1	8.0
21	8.1	8.5	9.5	10	9.7	11	11	12	9.3	7.5	6.8	9.5
22	8.1	8.5	9.4	9.5	9.7	11	11	12	8.8	7.4	6.6	7.4
23	7.8	8.5	9.5	9.1	10	10	11	10	8.7	7.5	6.6	7.3
24	7.9	8.5	9.4	8.8	9.7	11	11	8.5	8.6	13	12	7.2
25	7.9	8.2	9.8	11	9.4	11	10	9.6	8.6	8.4	8.2	7.0
26	7.7	8.3	9.8	12	10	19	10	8.8	9.1	7.8	7.3	6.8
27	7.8	8.5	9.8	9.8	10	19	10	8.1	8.4	8.3	7.0	6.8
28	9.9	8.4	9.8	9.3	10	12	14	7.7	8.2	8.1	7.0	6.7
29	8.1	8.5	9.7	9.0	10	12	11	8.1	7.9	8.9	7.0	6.6
30	7.7	12	8.6	9.0	---	12	11	8.5	7.9	8.4	7.0	6.6
31	7.7	---	9.0	9.0	---	11	---	9.1	---	8.1	7.0	---
TOTAL	244.3	263.3	292.5	288.0	306.1	364	337.6	322.9	280.2	241.3	229.5	229.3
MEAN	7.88	8.78	9.44	9.29	10.6	11.7	11.3	10.4	9.34	7.78	7.40	7.64
MAX	9.9	12	11	13	20	19	17	14	11	13	12	15
MIN	7.3	7.7	8.5	8.2	9.2	10	7.6	7.7	7.9	6.8	6.5	6.6

CAL YR 1987 TOTAL 3702.3 MEAN 10.1 MAX 24 MIN 6.9
WTR YR 1988 TOTAL 3399.0 MEAN 9.29 MAX 20 MIN 6.5

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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 14...	1100	9.0	141	6.50	7.0	11.1	7.0	2.3	9.0
MAR 22...	0930	11	166	7.50	8.0	11.1	7.0	2.4	10
JUN 21...	1400	9.4	105	6.70	24.0	8.4	7.0	2.1	9.0

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 14...	1.5	16	13	14	2.0	0.015	0.14	0.50
MAR 22...	1.5	--	11	12	1.9	0.009	0.08	<0.10
JUN 21...	1.4	16	9.0	15	1.3	0.026	0.04	<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 14...	0.40	0.056	0.044	0.014	200	200	110	0.05
MAR 22...	<0.10	<0.010	<0.010	0.005	100	<50	180	0.03
JUN 21...	<0.05	0.061	0.043	0.009	300	200	200	<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 1987 TO SEPTEMBER 1988

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 14...	1230	205	6.60	6.5	10.4	9.5	3.3	13	3.2	28	13	22
MAR 22...	--	238	--	4.0	12.2	10	3.3	16	3.2	--	12	22
JUN 21...	1300	159	7.00	24.5	7.0	10	3.4	14	3.0	32	10	25

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)	PHOSPHORUS 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 14...	2.7	0.062	0.32	0.80	0.70	0.044	0.042	0.009	400	300	150	<0.02
MAR 22...	2.5	0.019	0.48	0.55	0.49	<0.010	<0.010	0.009	300	200	300	0.03
JUN 21...	1.5	0.052	0.08	0.17	<0.05	0.050	0.044	0.007	400	300	420	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.

AVERAGE DISCHARGE.--9 years, 5.83 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, 12 ft^3/s Mar. 26, gage height 0.72 ft; minimum 0.41 ft^3/s Aug. 15-24, gage height 0.13 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.3	3.0	2.8	3.3	3.9	4.5	3.3	3.1	1.0	1.0	.52
2	2.4	2.3	2.9	2.7	3.6	3.9	4.4	3.2	3.0	.95	.98	.51
3	2.4	2.3	2.8	2.6	3.6	3.9	4.4	3.2	3.0	.88	.91	.52
4	3.5	2.3	3.3	2.8	4.3	4.8	4.6	3.2	2.9	.84	.86	1.0
5	2.9	2.3	3.0	2.6	3.8	5.0	4.5	3.2	2.8	.83	.82	.79
6	2.7	2.3	2.9	2.5	3.7	4.4	4.3	3.4	2.7	.82	.76	.71
7	2.7	2.3	2.8	2.5	3.5	4.2	4.2	3.3	2.7	.80	.73	.68
8	2.6	2.3	2.8	2.6	3.5	4.1	4.1	3.2	2.6	.77	.68	.60
9	2.5	2.3	2.8	2.5	3.3	3.9	4.0	3.2	2.6	.74	.66	.69
10	2.5	2.7	2.7	2.5	3.3	3.9	3.9	3.2	2.6	.73	.62	.66
11	2.5	3.3	2.9	2.4	3.2	3.8	3.8	3.2	2.5	.61	.60	.60
12	2.5	2.9	2.8	2.5	6.0	3.7	3.7	3.2	2.3	.55	.58	.59
13	2.5	2.8	2.7	2.5	4.8	3.8	3.7	3.1	2.1	.55	.56	1.6
14	2.4	2.7	2.6	2.3	4.3	3.7	3.6	3.1	2.0	.55	.48	.82
15	2.4	2.6	3.6	2.3	4.6	3.7	3.5	3.0	1.8	.55	.46	.74
16	2.3	2.5	3.9	2.3	6.4	3.7	3.6	3.0	1.8	.61	.45	.73
17	2.4	e2.5	3.4	2.3	5.1	3.6	3.5	3.6	1.8	.70	.45	.72
18	2.4	e2.8	3.3	3.1	4.9	3.5	3.6	3.8	1.8	.70	.43	.72
19	2.3	e2.5	3.2	2.9	4.8	3.5	3.5	3.8	1.6	.67	.43	.68
20	2.3	e2.5	3.4	3.7	5.3	3.5	3.5	3.7	1.7	.97	.43	.84
21	2.3	2.4	3.2	3.7	4.7	3.5	3.5	4.1	1.6	1.5	.43	1.1
22	2.3	2.3	3.2	3.5	4.6	3.3	3.4	3.7	1.4	1.1	.41	.74
23	2.3	2.3	3.0	3.3	4.6	3.3	3.4	3.7	1.3	1.5	.41	.71
24	2.5	2.3	3.0	3.3	4.3	3.3	3.4	3.6	1.2	2.2	.93	.69
25	2.3	2.3	3.0	3.7	4.2	3.3	3.3	3.8	1.2	1.3	.64	.69
26	2.3	2.3	3.0	4.0	4.1	4.7	3.3	3.6	1.4	1.2	.58	.68
27	2.3	2.3	2.8	3.5	4.1	7.6	3.3	3.5	1.2	1.3	.55	.67
28	2.6	2.3	2.8	3.4	4.1	5.5	4.0	3.4	1.1	1.2	.55	.67
29	2.3	2.5	2.9	3.3	3.9	5.0	3.6	3.3	1.0	1.1	.57	.66
30	2.3	3.8	2.6	3.3	---	4.8	3.5	3.1	.97	1.0	.58	.62
31	2.3	---	2.7	3.3	---	4.7	---	3.0	---	1.0	.54	---
TOTAL	76.5	75.3	93.0	90.7	123.9	127.5	113.6	104.7	59.77	29.22	19.08	21.95
MEAN	2.47	2.51	3.00	2.93	4.27	4.11	3.79	3.38	1.99	.94	.62	.73
MAX	3.5	3.8	3.9	4.0	6.4	7.6	4.6	4.1	3.1	2.2	1.0	1.6
MIN	2.3	2.3	2.6	2.3	3.2	3.3	3.3	3.0	.97	.55	.41	.51

CAL YR 1987 TOTAL 1501.5 MEAN 4.11 MAX 9.0 MIN 2.2
WTR YR 1988 TOTAL 935.22 MEAN 2.56 MAX 7.6 MIN .41

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 except those for estimated period, which are fair.

AVERAGE DISCHARGE.--10 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, 30, 1988

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48 ft^3/s Mar. 26, gage height 2.28 ft; minimum recorded, 11 ft^3/s Aug. 8-14, Sept. 29, 30, may have been less during estimated period Aug. 15 to Sept. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	17	19	17	18	20	22	19	18	14	13	e11
2	17	17	18	17	19	20	22	19	18	14	13	e11
3	17	17	18	17	20	20	22	18	17	14	12	e11
4	22	17	19	18	21	23	23	18	17	14	12	e15
5	20	17	19	17	20	25	22	18	17	14	12	e13
6	19	17	18	17	19	22	21	19	17	14	12	e12
7	19	17	18	17	19	21	21	19	17	13	11	e12
8	18	17	18	17	18	21	21	19	17	12	11	e11
9	18	17	18	17	18	20	21	19	17	12	11	e12
10	17	17	17	17	17	20	20	19	17	12	11	e11
11	17	19	18	17	17	20	20	19	17	12	11	e11
12	18	18	18	17	25	20	20	18	16	12	11	e11
13	17	18	17	18	22	20	20	18	16	12	11	e20
14	17	18	17	17	20	20	20	18	16	12	11	e14
15	17	17	19	17	20	20	19	18	16	12	e11	e13
16	17	17	21	17	28	20	20	17	16	12	e11	e13
17	17	17	20	18	22	20	20	18	16	12	e11	e13
18	17	17	19	20	21	19	20	19	16	12	e11	e12
19	16	17	19	19	20	19	20	19	16	12	e11	e12
20	17	17	19	21	22	19	20	19	15	13	e11	e12
21	17	17	19	22	21	19	19	20	15	16	e11	e15
22	17	17	19	21	22	19	19	20	15	14	e11	e13
23	17	17	19	21	22	19	19	19	14	14	e11	e12
24	17	17	19	20	21	19	19	19	14	22	e15	e12
25	17	17	18	21	21	19	19	19	14	15	e13	e12
26	17	16	18	23	21	22	19	19	15	14	e12	e12
27	17	16	18	21	21	35	19	19	14	14	e12	e11
28	18	16	18	21	21	26	22	18	14	14	e11	e11
29	17	16	18	20	21	25	19	18	14	14	e11	e11
30	17	19	17	20	---	24	19	18	14	13	e11	11
31	17	---	17	19	---	23	---	18	---	13	e11	---
TOTAL	543	513	569	581	597	659	607	577	475	417	357	370
MEAN	17.5	17.1	18.4	18.7	20.6	21.3	20.2	18.6	15.8	13.5	11.5	12.3
MAX	22	19	21	23	28	35	23	20	18	22	15	20
MIN	16	16	17	17	17	19	19	17	14	12	11	11

CAL YR 1987 TOTAL 8243 MEAN 22.6 MAX 41 MIN 16
WTR YR 1988 TOTAL 6265 MEAN 17.1 MAX 35 MIN 11

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. 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.--45 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, 55 ft^3/s Mar. 27; minimum daily, 18 ft^3/s Aug. 16-19, 22, 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	25	30	25	31	33	35	29	27	25	22	20
2	26	24	27	25	31	33	35	28	28	25	22	19
3	25	24	28	e25	32	33	34	29	27	24	22	19
4	29	22	30	e26	35	35	35	29	27	24	21	23
5	28	24	30	e25	34	39	35	28	27	24	21	27
6	27	22	28	e25	32	35	34	30	26	23	21	22
7	28	21	26	e25	31	35	34	30	26	23	21	21
8	27	25	26	e25	31	34	34	29	26	22	20	20
9	25	25	26	e25	30	34	34	28	27	21	19	21
10	25	26	26	e23	30	34	33	28	26	21	19	21
11	26	34	28	e23	30	33	33	28	26	21	19	21
12	26	31	27	e23	42	33	33	27	26	21	19	20
13	25	29	26	e25	41	33	33	26	26	21	19	28
14	26	26	25	23	35	33	32	26	26	22	19	26
15	26	24	28	24	36	33	32	26	26	21	19	22
16	25	25	36	24	46	33	32	26	26	21	18	22
17	25	25	30	24	e40	31	30	29	26	21	18	22
18	24	26	29	27	e37	31	32	31	26	20	18	22
19	24	25	28	28	e35	31	32	32	26	20	18	22
20	24	25	29	32	e40	31	30	31	25	23	20	22
21	26	24	29	36	e37	30	29	32	25	26	19	28
22	24	23	27	34	e34	30	29	31	24	24	18	23
23	24	23	27	32	e34	30	29	30	24	24	18	24
24	24	23	26	31	e34	30	30	30	23	33	23	24
25	26	23	26	32	e34	30	29	31	24	25	24	22
26	24	22	26	37	33	35	29	30	25	24	22	22
27	24	22	26	33	34	55	28	28	24	24	22	21
28	27	23	26	31	34	41	32	28	24	24	22	e20
29	26	23	26	31	34	38	31	27	25	24	22	e21
30	24	32	24	30	---	37	31	27	25	24	22	e21
31	25	---	24	30	---	35	---	27	---	23	20	---
TOTAL	791	746	850	859	1007	1058	959	891	769	718	627	666
MEAN	25.5	24.9	27.4	27.7	34.7	34.1	32.0	28.7	25.6	23.2	20.2	22.2
MAX	29	34	36	37	46	55	35	32	28	33	24	28
MIN	24	21	24	23	30	30	28	26	23	20	18	19

CAL YR 1987 TOTAL 11552 MEAN 31.6 MAX 59 MIN 21
WTR YR 1988 TOTAL 9941 MEAN 27.2 MAX 55 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 1987 TO SEPTEMBER 1988

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 14...	1330	18	138	6.40	7.0	12.5	6.4	3.2	7.7
MAR 24...	1030	22	--	--	--	--	6.5	3.3	9.0
JUN 22...	1350	18	108	8.50	23.0	10.8	7.0	3.0	9.0

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 14...	1.4	20	8.8	14	1.9	0.012	0.05	0.50
MAR 24...	1.2	--	9.2	11	1.7	0.008	0.12	<0.10
JUN 22...	1.2	21	7.4	15	1.2	0.023	<0.02	<0.05

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (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)	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 14...	0.30	0.050	0.042	0.013	300	300	100	<0.02
MAR 24...	<0.10	<0.010	<0.010	0.008	200	100	120	<0.02
JUN 22...	<0.05	0.080	0.058	0.009	500	300	140	<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 1987 TO SEPTEMBER 1988

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 15...	0730	250	6.60	7.0	6.9	12	3.8	22	2.4	24	21	40
MAR 23...	1000	336	6.90	9.0	8.3	14	3.8	25	2.5	--	20	39
JUN 22...	1225	220	6.20	19.5	9.1	12	3.7	22	2.3	20	18	41

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 15...	2.7	0.025	0.47	1.0	0.90	0.054	0.035	0.016	300	200	600	<0.02
MAR 23...	2.7	0.015	0.55	1.1	0.72	<0.010	<0.010	0.008	300	200	660	0.04
JUN 22...	2.1	0.044	0.12	0.34	0.30	0.072	0.044	0.011	600	400	460	0.03

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 1987 TO SEPTEMBER 1988

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 15...	0800	356	6.70	7.0	7.0	16	3.7	28	3.3	18	24	47
MAR 23...	1100	427	7.00	9.5	10.0	16	3.8	32	3.1	--	25	50
JUN 22...	1305	279	6.40	19.0	7.3	15	3.6	30	3.0	25	23	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)
DEC 15...	3.3	0.018	0.68	1.3	1.0	0.069	0.037	0.011	700	200	1100	<0.02
MAR 23...	3.6	0.018	0.59	0.86	0.71	<0.010	<0.010	0.003	200	100	1100	0.03
JUN 22...	3.5	0.040	0.26	0.34	0.33	0.048	0.040	<0.005	500	300	1100	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.--Records good except those for October 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.--44 years, 9.60 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft^3/s Sept. 12, 1960, gage height, 2.11 ft datum then in use; maximum gage height, 3.28 ft Feb. 7, 1971; minimum discharge, 1.3 ft^3/s Sept. 13, 14, 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 75 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 26	2300	Backwater from debris	*1.89	Sept. 13	0900	88	1.51
July 23	2230	*89	1.52				

Minimum discharge, 2.4 ft^3/s Aug. 21-23, gage height, 0.18 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	5.5	4.3	5.4	5.2	5.4	6.5	6.2	11	4.1	4.2	2.9
2	3.5	3.8	4.5	5.0	6.5	5.4	6.4	5.8	5.4	3.7	3.9	2.9
3	4.0	4.4	4.5	5.2	6.2	5.4	6.5	5.5	4.3	3.3	3.8	3.0
4	12	4.7	6.7	5.9	10	11	10	5.3	4.4	3.3	3.6	9.2
5	3.5	4.9	5.2	5.2	6.8	8.3	8.3	5.6	4.5	3.2	3.5	4.3
6	3.1	4.6	4.3	4.6	6.2	7.2	8.0	8.4	4.2	3.3	3.5	3.3
7	5.2	4.9	4.4	4.9	5.5	6.1	9.5	6.1	4.2	3.2	3.3	3.2
8	3.1	5.2	4.9	5.3	5.3	5.6	8.1	5.5	4.4	3.2	3.2	3.2
9	2.7	5.4	5.3	5.0	5.3	5.7	7.6	5.2	4.4	3.1	3.2	3.9
10	2.7	7.8	5.4	5.0	5.2	5.5	7.6	5.3	4.5	3.0	3.0	3.3
11	3.2	9.0	5.9	5.1	5.2	5.1	7.3	5.1	4.4	3.0	3.0	3.2
12	3.0	6.4	5.0	4.8	21	5.4	7.2	4.8	4.3	3.3	2.9	3.7
13	2.8	5.6	4.6	5.1	8.7	6.5	6.9	5.0	4.1	3.1	2.9	22
14	2.8	4.8	5.0	4.4	6.1	6.5	6.8	5.1	e4.0	3.2	2.9	4.6
15	3.0	4.4	13	4.6	8.5	6.2	6.8	5.2	e4.0	3.1	2.9	4.1
16	2.6	5.2	9.2	4.7	13	5.7	6.4	4.9	e4.0	3.0	2.7	3.7
17	2.7	5.6	6.6	4.8	7.5	5.9	6.1	17	e8.0	3.3	2.8	4.0
18	2.6	6.5	6.1	8.4	6.7	6.5	6.4	21	e6.0	3.0	2.8	4.1
19	2.5	3.4	5.7	5.7	6.4	6.7	6.0	9.8	e4.0	3.4	2.7	3.8
20	2.8	4.3	7.1	9.9	9.0	6.3	5.5	7.5	e6.5	9.7	2.7	5.0
21	3.3	3.2	6.0	7.5	6.9	6.1	5.8	9.9	5.0	10	2.5	9.2
22	3.3	2.8	5.9	6.1	6.1	5.9	5.6	6.1	4.6	6.4	2.4	4.1
23	4.0	3.5	5.9	5.5	6.1	6.1	6.0	6.0	4.1	13	2.6	4.1
24	4.1	3.8	5.4	5.7	5.7	6.2	6.8	5.9	4.1	24	11	3.8
25	4.3	3.9	5.2	7.7	5.4	6.2	6.3	6.8	4.4	5.2	5.0	3.8
26	4.5	3.6	5.3	7.8	5.5	15	6.2	5.6	6.3	4.8	3.3	3.6
27	4.9	3.7	5.3	6.0	5.8	16	6.5	5.6	4.5	7.1	3.2	3.6
28	6.2	3.8	6.0	5.6	5.7	8.1	12	5.3	4.5	4.8	3.1	3.6
29	5.3	5.9	6.2	5.3	5.6	6.7	7.4	5.1	6.6	4.6	3.4	3.4
30	5.4	9.7	5.3	5.3	---	6.6	6.9	4.6	4.9	4.5	3.2	3.5
31	5.2	---	5.4	5.0	---	6.8	---	4.6	---	4.3	3.1	---
TOTAL	122.6	150.3	179.6	176.5	207.1	216.1	213.2	209.8	149.6	160.2	106.3	140.1
MEAN	3.95	5.01	5.79	5.69	7.14	6.97	7.11	6.77	4.99	5.17	3.43	4.67
MAX	12	9.7	13	9.9	21	16	12	21	11	24	11	22
MIN	2.5	2.8	4.3	4.4	5.2	5.1	5.5	4.6	4.0	3.0	2.4	2.9

CAL YR 1987 TOTAL 3011.3 MEAN 8.25 MAX 33 MIN 2.2
WTR YR 1988 TOTAL 2031.4 MEAN 5.55 MAX 24 MIN 2.4

e Estimated

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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 18...	1130	6.1	288	6.30	8.0	8.9	13	3.4	19
MAR 23...	1145	6.1	343	7.10	10.0	9.8	14	3.2	21
JUN 22...	1000	4.7	223	6.10	18.0	5.2	14	3.1	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)
DEC 18...	2.9	--	28	31	2.2	0.015	1.7	2.3
MAR 23...	3.2	--	28	29	2.4	0.019	1.6	1.8
JUN 22...	3.1	30	25	35	1.9	0.069	1.2	1.1

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 18...	2.2	0.061	0.051	0.016	800	600	1300	0.07
MAR 23...	1.7	<0.010	<0.010	0.007	600	500	1300	0.07
JUN 22...	0.98	0.054	0.039	<0.005	1000	600	1200	0.06

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.--44 years, 26.3 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, 109 ft^3/s July 24, gage height, 1.45 ft; minimum, 0.12 ft^3/s Oct. 20, gage height, 0.05 ft (result of regulation).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	21	15	19	21	22	17	20	11	14	9.2
2	12	11	16	14	22	21	22	17	23	11	13	9.0
3	12	12	14	14	25	21	22	17	18	10	13	9.0
4	28	12	18	16	35	29	26	16	17	10	12	17
5	17	11	17	14	29	38	24	17	19	9.8	12	20
6	14	10	15	13	23	26	22	21	14	9.5	11	13
7	17	10	14	13	21	24	24	21	14	9.4	11	11
8	14	11	14	13	20	22	24	17	15	9.1	10	10
9	13	11	14	12	20	27	21	16	14	9.1	10	11
10	13	14	14	11	19	31	20	17	14	9.2	10	11
11	13	25	18	11	19	30	19	17	14	8.8	9.9	10
12	13	18	16	11	65	27	19	16	14	9.2	9.6	9.6
13	12	15	14	11	40	25	19	16	13	9.3	9.4	44
14	12	14	13	11	28	22	19	15	13	8.9	9.2	22
15	12	13	23	11	28	22	19	15	12	9.2	9.1	15
16	12	12	38	11	53	20	19	15	12	8.7	8.7	12
17	12	12	21	11	32	20	18	27	15	9.0	8.7	12
18	12	18	18	12	28	16	19	50	14	9.6	8.9	12
19	16	14	17	19	27	16	19	54	12	9.4	8.2	12
20	7.8	13	20	30	37	16	18	32	13	18	8.5	12
21	14	12	19	29	28	15	18	30	12	29	8.4	31
22	12	12	16	23	26	15	17	26	11	20	7.7	15
23	11	12	16	21	26	14	17	24	11	18	7.6	13
24	11	12	15	20	25	16	18	23	11	74	24	12
25	11	12	15	23	23	16	17	24	11	27	20	11
26	11	12	16	34	23	26	17	22	13	20	15	11
27	11	11	15	23	24	69	16	20	12	23	11	11
28	16	11	14	20	23	30	27	19	11	18	10	11
29	13	13	13	19	22	25	20	19	12	16	10	10
30	12	31	14	19	---	24	19	18	14	15	10	10
31	11	---	14	19	---	22	---	17	---	14	9.8	---
TOTAL	408.8	405	522	523	810	746	601	675	418	472.2	339.7	415.8
MEAN	13.2	13.5	16.8	16.9	27.9	24.1	20.0	21.8	13.9	15.2	11.0	13.9
MAX	28	31	38	34	65	69	27	54	23	74	24	44
MIN	7.8	10	13	11	19	14	16	15	11	8.7	7.6	9.0

CAL YR 1987 TOTAL 7594.8 MEAN 20.8 MAX 72 MIN 7.8
WTR YR 1988 TOTAL 6336.5 MEAN 17.3 MAX 74 MIN 7.6

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 1987 TO SEPTEMBER 1988

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 18...	1500	18	250	6.95	3.0	12.5	10	3.0	18
MAR 23...	1300	14	342	7.30	8.0	10.6	12	3.0	22
JUN 22...	1045	12	195	6.30	24.0	7.2	12	3.0	20

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 18...	2.8	--	25	27	1.8	0.010	1.4	2.1
MAR 23...	3.0	--	37	30	2.5	0.014	--	--
JUN 22...	3.1	20	28	32	2.1	0.051	0.44	0.51

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 18...	1.8	0.065	0.045	0.012	500	300	920	0.04
MAR 23...	1.4	<0.010	<0.010	--	300	200	1300	0.05
JUN 22...	0.42	0.059	0.040	<0.005	1000	600	1200	0.03

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

LOCATION.--Lat 40°41'30", long 73°21'20", Suffolk County, Hydrologic Unit 02030202, on left bank just upstream from East Hoffman Avenue bridge, 1.0 mi east of Long Island Railroad station in Lindenhurst, and 1.6 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 1987 TO SEPTEMBER 1988

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 18...	1400	415	6.30	7.5	7.2	20	4.4	26	4.8	--	31	42
MAR 23...	1430	--	--	--	--	20	4.1	27	4.5	--	33	40
JUN 22...	0845	281	6.10	15.0	4.4	18	3.9	23	4.4	55	30	26

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 18...	0.90	0.010	2.6	3.2	2.9	0.066	0.047	0.007	1800	1500	2600	0.05
MAR 23...	0.68	0.010	2.5	2.2	2.1	<0.010	<0.010	0.008	1000	1000	2600	0.08
JUN 22...	0.74	0.015	2.9	2.3	2.3	0.043	0.038	<0.005	1600	1200	2800	0.04

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

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

DRAINAGE AREA.--About 38 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1411: Drainage area. WRD NY 1970: 1968-69 (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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--51 years (1937-88), 10.9 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 170 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)
Feb. 12	0945	*162	*1.68	May 18	1745	*162	*1.68

Minimum discharge, 0.48 ft^3/s Nov. 21, gage height, 0.57 ft (result of regulation).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.4	2.9	2.4	2.6	3.8	4.2	3.0	7.6	2.2	2.3	1.4
2	1.7	1.3	2.2	2.3	3.8	3.7	4.0	2.9	6.5	1.7	2.6	1.4
3	2.0	1.3	1.8	2.3	4.8	3.7	4.0	2.6	3.8	1.6	2.5	1.4
4	8.7	1.2	2.3	2.4	13	10	5.4	2.5	3.8	1.5	2.1	5.3
5	2.2	1.0	1.9	2.4	4.9	8.9	4.4	3.6	3.3	1.5	1.8	3.2
6	1.9	1.1	1.7	2.3	3.8	4.7	4.0	5.7	3.0	1.5	1.7	1.8
7	2.8	1.7	1.7	2.3	3.7	4.3	6.4	4.5	2.9	1.6	1.6	1.6
8	1.9	1.6	1.7	2.3	3.4	4.0	4.9	3.8	2.8	1.5	1.6	1.5
9	1.7	1.5	1.6	2.3	2.9	4.1	4.4	3.4	2.9	1.5	1.5	1.6
10	1.7	3.1	1.5	2.3	2.9	4.2	4.5	3.3	2.8	2.5	1.5	1.5
11	1.9	4.4	2.9	2.3	2.9	3.8	4.3	5.0	2.7	1.5	1.5	1.4
12	2.0	2.2	2.2	2.3	38	3.7	4.2	5.4	2.5	1.6	1.5	1.4
13	1.8	1.8	1.8	2.4	6.6	3.8	3.9	3.6	2.4	1.9	1.5	21
14	1.7	1.7	1.7	2.6	5.1	3.7	3.8	2.9	2.3	3.1	1.5	2.9
15	1.7	1.5	10	2.6	6.9	3.7	3.8	2.9	2.2	3.1	1.4	2.1
16	1.7	1.3	11	2.6	17	3.4	3.8	2.9	2.3	1.6	1.4	2.0
17	1.8	1.3	4.0	2.6	6.1	3.1	3.7	3.4	4.7	1.8	1.4	2.0
18	1.7	3.0	3.2	8.2	5.4	3.0	3.8	38	2.9	1.7	1.4	1.8
19	2.0	1.8	2.9	5.6	5.4	3.2	3.6	13	2.2	3.0	1.3	1.9
20	2.0	1.7	4.9	11	15	3.1	3.4	8.1	2.2	8.6	1.3	2.8
21	2.4	1.4	3.8	6.5	6.0	2.9	3.3	7.6	2.4	9.4	1.2	5.1
22	2.3	1.6	2.9	5.1	5.3	2.9	3.0	5.6	2.5	5.2	1.2	1.9
23	2.3	1.5	2.7	4.5	5.4	2.8	3.2	5.3	2.5	5.5	1.2	1.8
24	2.1	1.5	2.6	4.2	4.9	2.6	3.6	5.1	2.3	25	9.7	1.7
25	1.8	1.5	2.7	5.2	4.9	2.8	3.2	6.1	2.1	4.7	4.6	1.6
26	2.0	1.6	2.9	8.1	4.5	15	3.0	5.0	2.9	3.7	1.8	1.6
27	2.2	1.7	2.6	4.0	4.6	23	2.9	4.7	2.3	4.4	1.7	1.5
28	3.2	1.7	2.4	3.0	4.5	5.8	7.2	4.3	2.0	3.4	1.6	1.5
29	1.9	2.8	2.5	2.8	4.2	4.9	3.7	4.2	2.6	3.4	1.7	1.5
30	1.8	11	2.3	2.7	---	4.6	3.4	4.0	3.7	2.3	1.6	1.5
31	1.6	---	2.3	2.7	---	4.4	---	4.1	---	2.3	1.4	---
TOTAL	68.3	62.2	93.6	114.3	198.5	157.6	121.0	176.5	91.1	114.3	61.1	79.7
MEAN	2.20	2.07	3.02	3.69	6.84	5.08	4.03	5.69	3.04	3.69	1.97	2.66
MAX	8.7	11	11	11	38	23	7.2	38	7.6	25	9.7	21
MIN	1.6	1.0	1.5	2.3	2.6	2.6	2.9	2.5	2.0	1.5	1.2	1.4

CAL YR 1987 TOTAL 1549.9 MEAN 4.25 MAX 37 MIN 1.0
WTR YR 1988 TOTAL 1338.2 MEAN 3.66 MAX 38 MIN 1.0

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
SEP 02...	0910	1.5	225	7.21	18.0	767	7.9	83	64	42

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
SEP 02...	19	4.1	23	3.4	22	32	33	<0.10	6.9	135

DATE	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, 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 02...	4.06	0.040	0.330	1.3	5.7	0.020	<0.010	270	680	--

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.--51 years (1937-88), 9.74 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, 30 ft^3/s May 18; minimum daily, 0.41 ft^3/s Aug. 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.89	.83	1.1	1.9	2.4	3.5	3.0	3.1	3.0	1.3	1.4	.68
2	.83	.78	.98	1.7	3.1	3.3	3.0	3.9	2.7	1.2	1.3	.59
3	1.0	.74	.94	2.3	2.8	3.3	2.9	2.4	2.6	1.1	1.2	.59
4	4.5	.74	1.3	3.3	9.0	9.0	3.2	2.3	e2.2	1.1	1.2	3.9
5	1.0	.70	.97	3.2	3.1	4.4	2.8	3.6	e2.0	1.0	1.1	2.0
6	.93	.68	.83	3.4	2.8	3.6	2.7	4.1	e2.8	1.0	1.0	.91
7	1.1	.71	.83	2.9	2.6	3.5	4.5	2.7	e1.9	.96	.98	.87
8	.87	.72	.83	e3.2	2.6	3.2	3.0	2.3	e1.7	.91	.88	.79
9	.85	.72	.86	e2.6	2.6	3.5	2.9	2.5	e1.8	.91	.86	.82
10	.83	1.6	.85	e2.4	2.7	3.4	2.8	2.6	e1.7	.87	.80	.75
11	.97	2.0	1.5	e2.4	2.8	3.1	2.7	5.0	e1.6	.85	.79	.67
12	1.0	1.3	1.0	e2.4	26	3.0	2.6	2.5	e1.6	.90	.75	.75
13	.92	.95	.96	e2.1	4.2	3.1	2.6	2.3	e2.6	.90	.70	14
14	.91	.87	.91	e1.5	3.4	2.9	2.6	2.3	e2.0	.93	.65	1.2
15	.86	.90	11	e1.5	6.4	2.9	2.7	2.2	e1.6	.90	.60	.97
16	.79	1.2	2.1	e1.5	8.0	2.9	2.6	2.2	e1.4	.78	.55	.91
17	.86	1.1	1.2	e1.5	7.2	3.0	2.6	4.9	e3.0	1.0	.53	.91
18	.75	1.7	1.1	e4.2	5.3	3.6	2.7	30	e1.6	.96	.52	.91
19	.68	.91	1.1	e2.2	3.7	3.4	2.5	7.3	e1.6	2.5	.48	.87
20	.68	.84	1.7	e4.7	8.6	2.7	2.5	4.5	e1.5	10	.50	1.3
21	.65	.97	1.6	e3.4	4.0	2.6	2.4	4.7	e1.9	3.7	.47	1.4
22	.71	1.4	2.0	2.7	4.1	2.7	2.6	3.4	e1.3	2.6	.41	1.0
23	.98	1.5	1.9	2.4	4.5	2.7	2.5	3.7	1.3	3.8	.42	1.1
24	1.0	1.5	2.0	2.4	4.5	2.7	2.9	3.6	1.2	7.9	8.6	.79
25	.83	1.5	2.1	4.1	4.5	2.6	3.2	4.4	1.2	2.4	3.1	.75
26	.61	1.3	2.1	3.8	4.4	12	3.2	3.6	2.5	2.1	.93	.72
27	.95	1.1	1.8	2.5	4.4	7.6	2.8	3.6	1.3	2.8	.79	.73
28	2.6	.83	1.8	2.4	3.9	3.5	4.8	3.6	1.2	2.0	.82	.72
29	.83	1.4	2.1	2.4	3.5	3.2	3.1	3.2	1.8	1.9	.90	.70
30	.75	3.6	1.8	2.8	---	3.2	3.6	3.0	1.4	1.6	.83	.73
31	.82	---	1.9	2.9	---	3.1	---	2.7	---	1.7	.76	---
TOTAL	31.95	35.09	53.16	82.7	147.1	117.2	88.0	132.2	56.0	62.57	34.82	43.03
MEAN	1.03	1.17	1.71	2.67	5.07	3.78	2.93	4.26	1.87	2.02	1.12	1.43
MAX	4.5	3.6	11	4.7	26	12	4.8	30	3.0	10	8.6	14
MIN	.61	.68	.83	1.5	2.4	2.6	2.4	2.2	1.2	.78	.41	.59

CAL YR 1987 TOTAL 1010.76 MEAN 2.77 MAX 25 MIN .50
WTR YR 1988 TOTAL 883.82 MEAN 2.41 MAX 30 MIN .41

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
SEP 01...	1200	0.68	308	6.70	23.5	769	7.2	84	71	38

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
SEP 01...	22	3.8	35	3.0	33	31	55	<0.10	4.0	174

DATE	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, 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 01...	1.57	0.030	0.080	0.32	2.0	0.010	<0.010	450	270	--

01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--51 years (1937-88), 14.0 ft^3/s.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	1100	*273	*1.81	No other peak greater than base discharge.			

No flow Aug. 15-23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.5	2.8	1.9	2.4	3.2	3.8	3.0	3.0	1.1	1.2	.19
2	.83	1.6	1.8	1.6	3.4	3.1	3.6	3.0	2.5	1.4	1.1	.12
3	2.0	1.5	1.6	1.6	3.5	3.3	3.6	3.0	2.2	.85	.94	.10
4	15	1.5	2.5	2.0	16	11	4.0	2.3	2.5	.68	.86	13
5	2.1	1.4	1.8	1.5	5.2	11	3.5	2.8	2.2	.57	.77	5.4
6	1.6	.84	1.4	1.3	3.5	4.2	3.3	5.1	2.0	.51	.60	1.4
7	2.2	.87	1.2	1.3	3.0	3.9	5.2	3.6	1.9	.44	.52	.96
8	1.5	.88	1.4	1.5	2.9	3.8	5.8	2.7	1.9	.33	.31	.71
9	1.4	.91	1.4	1.4	2.7	3.9	3.6	2.5	2.0	.31	.25	.60
10	1.3	3.0	1.4	1.3	2.7	3.7	3.3	2.6	1.8	.38	.21	.52
11	1.5	4.6	2.7	1.4	2.4	3.5	3.5	5.5	1.7	.32	.13	.35
12	1.5	2.1	1.8	1.3	59	3.4	3.7	3.5	1.6	.30	.08	.24
13	1.3	1.6	1.5	1.3	6.8	3.6	3.5	2.7	1.4	.29	.04	36
14	1.2	1.5	1.3	1.2	4.7	3.4	4.8	2.4	1.3	.16	.02	3.4
15	1.2	1.3	25	1.2	5.8	3.3	4.5	2.3	1.2	.13	.00	2.1
16	1.1	1.3	16	1.2	18	3.3	3.1	2.6	1.1	.09	.00	1.7
17	1.1	1.3	3.6	1.1	6.0	3.9	3.0	9.0	1.9	.91	.00	1.4
18	1.1	2.9	2.8	6.2	4.1	4.0	3.9	49	1.4	1.0	.00	1.3
19	1.0	1.4	2.4	3.5	3.8	4.0	3.1	19	1.1	2.2	.00	1.1
20	1.5	1.4	3.8	7.1	11	4.1	3.0	6.5	1.0	16	.00	1.2
21	1.7	1.2	2.5	4.7	4.3	4.2	3.0	5.2	.93	25	.00	1.6
22	1.5	1.1	2.2	3.6	3.9	4.3	3.0	4.1	.80	4.6	.00	.90
23	1.4	1.1	2.0	3.0	3.9	4.3	3.1	3.8	.72	3.1	.00	.96
24	1.5	1.2	1.9	2.7	3.7	4.5	3.4	3.6	.62	30	17	1.1
25	1.8	1.2	2.2	4.2	3.6	4.5	2.9	3.9	.61	3.2	4.4	.85
26	1.4	1.2	2.3	5.7	3.4	9.4	2.9	3.2	2.8	2.3	1.2	.68
27	2.1	1.0	2.1	3.4	3.5	22	2.9	3.0	1.0	8.9	.82	.50
28	6.1	1.0	1.9	3.0	3.3	5.1	11	2.8	.85	2.3	.57	.46
29	1.9	1.7	2.1	2.7	3.1	4.3	3.6	2.7	1.2	2.0	.53	.39
30	1.9	8.4	1.7	2.5	---	4.4	3.3	2.6	1.6	1.6	.54	.39
31	1.8	---	1.7	2.4	---	3.9	---	2.4	---	1.4	.26	---
TOTAL	64.63	52.50	100.8	78.8	198.6	158.5	114.9	170.4	46.83	112.37	32.33	79.62
MEAN	2.08	1.75	3.25	2.54	6.85	5.11	3.83	5.50	1.56	3.62	1.04	2.65
MAX	15	8.4	25	7.1	59	22	11	49	3.0	30	17	36
MIN	.83	.84	1.2	1.1	2.4	3.1	2.9	2.3	.61	.09	.00	.10

CAL YR 1987 TOTAL 1936.70 MEAN 5.31 MAX 97 MIN .57
WTR YR 1988 TOTAL 1210.28 MEAN 3.31 MAX 59 MIN .00

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 1987 TO SEPTEMBER 1988

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)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
SEP 01...	1000	0.40	336	6.12	17.0	769	5.7	59	53	33

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
SEP 01...	15	3.8	44	1.9	20	29	70	<0.10	6.1	182

DATE	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, 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 01...	--	<0.010	0.030	0.17	1.0	0.010	<0.010	240	190	--

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 except those for estimated periods, which are fair. 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.--51 years (1937-88), 3.58 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, 1980-88.

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)
Dec. 15	2000	208	3.91	May 18	1645	*212	*3.92

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e.00	.03	.00	.00	.05	e.07	.01	.12	.01	.03	.00
2	.00	e.00	.00	.00	.18	.05	e.07	.00	.08	.00	.02	.00
3	.56	e.00	.00	.00	.03	.06	e.06	.00	.23	.00	.01	.00
4	10	.00	.06	.00	12	9.6	e.06	.00	.12	.00	.00	12
5	.02	.00	.02	.00	.04	.63	e.05	.23	.07	.00	.00	.04
6	.03	.00	.00	.00	.01	.08	e.05	.66	.06	.00	.00	.02
7	.22	.00	.00	.00	.00	.08	e1.0	.02	.05	.00	.00	.00
8	.02	.00	.00	.00	.00	.07	e.50	.00	.05	.00	.00	.00
9	.00	.00	.00	.00	.00	.07	e.04	.00	.04	.00	.00	.00
10	.00	2.9	.00	.00	.00	.08	e.04	.00	.04	.00	.00	.00
11	.00	7.9	.25	.00	.00	.07	e.03	9.5	.03	.00	.00	.00
12	.00	.89	.03	.00	26	.07	e.03	.05	.03	.00	.00	.00
13	.00	.25	.01	.00	.09	.07	e.03	.03	.01	.00	.00	24
14	.00	.09	.00	.00	.06	.07	e.03	.02	.01	.00	.00	.03
15	.00	.05	22	.00	2.0	.07	e.02	.01	.01	.00	.00	.01
16	e.00	.01	.49	.00	6.2	.06	.01	.01	.00	.00	.00	.00
17	e.00	.00	.01	.00	.07	.05	.00	15	.00	2.0	.00	.00
18	e.00	.07	.00	6.5	.07	.06	.01	29	.00	.06	.00	.00
19	e.00	.00	.00	.04	.20	.06	.00	1.2	.00	6.1	.00	.00
20	e.00	.00	.24	3.6	4.7	.06	.00	.31	.00	15	.00	.05
21	e.00	.00	.01	.03	.07	.04	.00	.11	.00	1.7	.00	.03
22	e.00	.00	.00	.01	.06	.04	.00	.09	.00	1.5	.00	.03
23	e.00	.00	.00	.00	.06	.04	.01	.10	.00	3.9	.00	.03
24	e.00	.00	.00	.00	.06	.05	.01	.11	.00	8.8	16	.03
25	e.00	.00	.01	2.0	.05	.05	.00	.14	.00	.04	1.2	.02
26	e.00	.00	.02	.86	.05	6.5	.00	.09	.41	1.9	.02	.01
27	e.50	.00	.00	.01	.06	4.8	.00	.09	.04	8.7	.00	.00
28	e9.0	.00	.00	.00	.06	.17	14	.08	.04	2.5	.00	.00
29	e.10	.17	.01	.00	.05	.10	.02	.08	.03	.08	.00	.00
30	e.00	11	.00	.00	---	e.08	.02	.07	.02	.03	.00	.00
31	e.00	---	.00	.00	---	e.07	---	.07	---	.03	.00	---
TOTAL	20.45	23.33	23.19	13.05	52.17	23.35	16.16	57.08	1.49	52.35	17.28	36.30
MEAN	.66	.78	.75	.42	1.80	.75	.54	1.84	.050	1.69	.56	1.21
MAX	10	11	22	6.5	26	9.6	14	29	.41	15	16	24
MIN	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00

CAL YR 1987 TOTAL 350.60 MEAN .96 MAX 34 MIN .00
WTR YR 1988 TOTAL 336.20 MEAN .92 MAX 29 MIN .00

e Estimated

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.--34 years (1954-88), 2.13 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, 80 ft^3/s May 18, gage height, 2.22 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 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00
4	.03	.00	.00	.00	2.4	2.1	.00	.00	.26	.00	.00	.18
5	.00	.00	.00	.00	.19	2.3	.00	.00	.18	.00	.00	.00
6	.00	.00	.00	.00	.00	.19	.00	.00	.17	.00	.00	.00
7	.00	.00	.00	.00	.00	.08	.00	.00	.21	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.19	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.21	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	1.6	.16	.00	.00	.00
12	.00	.00	.00	.00	16	.00	.00	.39	.12	.00	.00	.46
13	.00	.00	.00	.00	.32	.00	.00	1.7	.11	.00	.00	7.7
14	.00	.00	.00	.00	.00	.00	.00	1.7	.10	.00	.00	.56
15	.00	.00	.44	.00	.01	.00	.00	1.7	.04	.00	.00	.05
16	.00	.00	.95	.00	1.1	.00	.00	1.3	.04	.00	.00	.00
17	.00	.00	.00	.00	.01	.00	.81	6.0	.19	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	1.9	17	.05	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	1.4	3.8	.05	.04	.00	.00
20	.00	.00	.00	.00	1.3	.00	.23	.70	.05	2.1	.00	.00
21	.00	.00	.00	.00	.04	.00	.07	.46	.05	3.9	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.27	.00	.97	.00	.00
23	.00	.00	.00	.00	.00	.00	.68	.23	.00	.98	.00	.00
24	.00	.00	.00	.00	.00	.00	2.4	.24	.00	8.4	1.1	.00
25	.00	.00	.00	.00	.00	.00	1.6	.13	.00	.09	.12	.00
26	.00	.00	.00	.00	.00	.03	.26	.00	.00	.21	.00	.00
27	.00	.00	.00	.00	.00	2.4	.06	.00	.00	6.4	.00	.00
28	.00	.00	.00	.00	.00	.06	5.8	.00	.00	1.8	.00	.00
29	.00	.00	.00	.00	.00	.00	.33	.00	.00	1.9	.00	.00
30	.00	.00	.00	.00	---	.00	.06	.00	.00	.27	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.04	.00	---
TOTAL	0.03	0.00	1.39	0.00	21.37	7.16	15.60	37.22	2.58	27.10	1.22	8.95
MEAN	.001	.00	.045	.00	.74	.23	.52	1.20	.086	.87	.039	.30
MAX	.03	.00	.95	.00	16	2.4	5.8	17	.26	8.4	1.1	7.7
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1987 TOTAL 128.25 MEAN .35 MAX 22 MIN .00
WTR YR 1988 TOTAL 122.62 MEAN .34 MAX 17 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 1988

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.	--	1953-88	3- 8-88	1.6
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.	--	1953-88	3- 8-88	.48
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.	--	1953-88	3- 8-88	.79
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'58", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft west on New York Ave., 1 mi northeast of Huntington.	--	1953-88	10-14-87 6-23-88	2.8 2.4
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.	--	1953-88	10-14-87 6-23-88	.94 1.6
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft downstream from Fresh Pond outlet, 0.75 mi north of Fort Salonga.	--	1977-88	10-14-87 6-23-88	.88 .57
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 1979-88	10-15-87 3-24-88	1.5 1.0
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.	--	1972-88	10-15-87 3-24-88	1.5 2.7

Discharge measurements made at low-flow partial-record stations during water year 1988--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 Nisseguogue 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.	--	1953-88	10-15-87 3-24-88	2.3 3.0
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.	--	1972-88	10-15-87 3-24-88	28. 33.
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.	--	1974-88	10-15-87 3-24-88	56. 52.
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.	--	1977-88	6-24-88	3.3
01304060	Unnamed tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft downstream from pond below Old Field Road, at Setauket.	--	1977-88	6-24-88	.64
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.	--	1977-88	6-24-88	.27
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.	--	1977-88	6-24-88	.45
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.	--	1977-88	10- 8-87 7- 5-88	.63 .35
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 1951-88	10-13-87 3- 9-88	0 2.4
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.	--	1976-88	10-13-87 3- 9-88	21. 42.
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.	--	1952-88	10-13-87 3- 9-88	2.7 3.1
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi southeast of Riverhead.	--	1953-69 1973-88	10-13-87 3- 9-88	2.1 2.9

Discharge measurements made at low-flow partial-record stations during water year 1988--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 1971-88	11- 2-87 6-13-88	0.26 .68
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.	--	1958-88	11- 2-87 6-13-88	.49 .75
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mi southwest of Sag Harbor.	--	1953-69 1973-88	11- 2-87 6-13-88	.05 .10
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	6-13-88	1.4
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mi northeast of East Quogue.	--	1974-88	6-28-88	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 1974-88	6-28-88	.81
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	--	1959-88	6-28-88	1.5
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft northwest of State Highway 27A, and 1 mi northwest of Westhampton.	--	1953-88	6-28-88	1.1
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.	--	1974-88	7- 6-88	.36
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 1973-88	7- 6-88	2.1
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.	--	1953-88	7- 6-88	2.9
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 1974-88	7- 6-88	3.3
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27A, at Moriches.	--	1948-50 1952-88	7- 6-88	3.3

Discharge measurements made at low-flow partial-record stations during water year 1988--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.	--	1947-88	6-21-88	0
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.	--	1973-88	6-21-88	5.8
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.	--	1973-88	6-21-88	8.9
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.	--	1973-88	6-21-88	46.
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 1971-88	10-27-87 6-21-88	2.7 3.1
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°48'55", 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 1952-88	10-27-87 6- 7-88	8.1 11.
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* 1977-88	10-27-87 6- 7-88	14. 17.
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.	--	1953-88	10-27-87 5-13-88	5.5 3.7
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	8-10-88 9-30-88	.40 .38
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 1973-88	6-14-88 9-30-88	27. 18.
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	5-11-88	19.

* 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 1988--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 1974-88	6- 7-88	0.35
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.	--	1948-88	7- 7-88	.50
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* 1977-88	6-10-88	4.1
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.	--	1958-88	6-10-88	.97
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 1973-88	10- 5-87 6- 6-88	1.5 1.3
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 1971-88	10- 5-87 6- 6-88	2.1 1.3
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 1969-88	10- 5-87 6- 6-88	6.2 6.6
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'08", 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 1987-88	6- 6-88	17.
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* 1970-88	10-19-87 6-10-88	.43 1.2
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 1971-88	10-19-87 6-10-88	3.3 6.2

* 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 1988--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 1952-88	10-30-87 7-11-88	2.0 3.0
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 1971-88	10-30-87 7-11-88	1.1 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.	--	1953-88	10-30-87 7-11-88	2.0 1.6
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville.	--	1949 1953-69 1971-88	10-30-87 7-11-88	1.3 3.4
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 1980-88	11-24-87 3-16-88 9-23-88	0 0 0
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft upstream from culvert at Southern State Parkway, 0.8 mi south of South Farmingdale, and 1.2 mi upstream from gaging station at Massapequa.	--	1962-65 1973-88	11-24-87 3-16-88 9-23-88	0 .50 0
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa, and 0.55 mi upstream from gaging station at Massapequa.	--	1962 1964 1973-88	11-24-87 3-16-88 9-23-88	.30 1.3 .50
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.	--	1953-88	11-19-87 3-16-88	.84 2.0
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 1983-88	11-19-87 3-16-88	2.5 3.4
01309970	Bellmore Creek tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mi north of North Wantagh, and 1.2 mi upstream from gaging station 01309990.	--	1973-88	11-13-87 3- 7-88	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.	--	1973-88	11-13-87 3- 7-88	0 .18
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.	--	1963-88	11-19-87 8- 9-88	.23 .20

Discharge measurements made at low-flow partial-record stations during water year 1988--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 1965-88	11-19-87 3-31-88	3.3 6.0
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.	--	1973-88	11-17-87 3-11-88 9-28-88	.07 0 .39
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.	--	1973-88	11-17-87 3-11-88 9-28-88	.11 .59 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.	--	1973-88	11-17-87 3-11-88 9-28-88	0 0 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.	--	1953-88	12- 2-87 7-13-88	1.2 .79
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-81 1983-84 1986-88	12- 2-87 7-13-88	1.7 .98
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.	--	1953-88	11-18-87 3-17-88	0 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.	--	1954-88	11-18-87 3-17-88	.08 .37
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.	--	1953-88	11-18-87 3- 7-88 3-17-88	0 .01 0

KINGS COUNTY

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 1.25 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	8.32	JUN 17	9.03	JUL 22	9.00	AUG 31	9.13	SEP 14	9.19		

403939073542901. Local number, K 1265.1
LOCATION.--Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at west side of Thatford and Riverdale Avenues, 30 ft north of Riverside Avenue, Brownsville. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1.5 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: Top of 2 in coupling 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	8.26										

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" 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 1	4.42	JUN 17	4.17	JUL 22	4.21	AUG 31	1.27	SEP 14	4.67		

KINGS COUNTY--Continued

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 1	5.80	JUN 17	6.76	JUL 22	6.92	AUG 31	6.97	SEP 14	6.99		

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 steel, 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	7.27	JUN 17	7.48	JUL 22	7.81	AUG 31	8.19	SEP 14	8.34		

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.
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, 4.60 ft NGVD, June 30, 1982; lowest measured, 3.16 ft NGVD, May 21, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 1	4.11	JUN 17	4.04	JUL 22	4.18	AUG 31	4.12	SEP 14	3.93		

KINGS COUNTY--Continued

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; lowest measured, 2.56 ft NGVD, March 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	2.85	JUN 17	2.92	JUL 22	2.98	AUG 31	2.95	SEP 14	3.01		

403702073555808. Local number, K 3252.1
LOCATION.--Lat 40°37'04", long 73°55'59", Hydrologic Unit 02030202, at east side of Hendrickson, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 17	1.56	JUL 22	1.53	AUG 31	1.52	SEP 14	1.61				

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 1	5.26	JUN 17	5.42	JUL 22	5.30	AUG 31	5.47	SEP 14	5.36		

KINGS COUNTY--Continued

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	5.35	JUN 17	5.62	JUL 22	5.52	AUG 31	5.59	SEP 14	5.67		

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 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, 24.66 ft NGVD, April 9, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 1	25.26	JUN 17	25.13	JUL 22	25.33	AUG 31	25.21	SEP 14	25.20		

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 5	4.56	JUN 17	4.79	JUL 22	4.72	AUG 31	4.99	SEP 14	4.78		

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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	3.17	DEC 16	4.43	APR 6	4.07	MAY 25	5.65	JUN 23	2.60	AUG 19	-0.06
22	3.47	JAN 27	4.33	28	5.70	JUN 20	2.98	JUL 18	1.29	SEP 23	2.31
NOV 17	4.38										

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 1938 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	10.39	DEC 16	10.52	MAR 28	10.86	MAY 25	11.56	JUN 22	10.23	AUG 19	9.29
22	10.18	JAN 27	10.58	APR 28	12.02	JUN 21	10.38	JUL 18	9.73	SEP 23	9.45
NOV 17	10.06	FEB 26	11.59								

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 1987 TO SEPTEMBER 1988

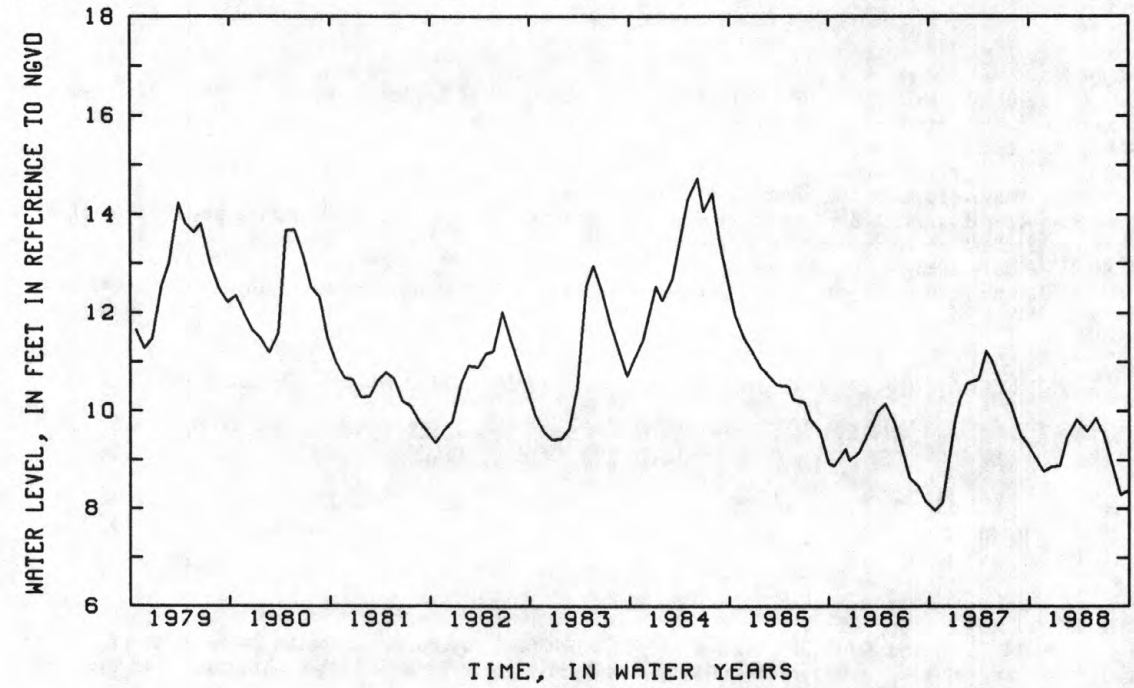
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.52	DEC 17	6.29	FEB 18	7.23	APR 28	5.08	JUN 27	-0.84	AUG 25	-1.29
NOV 19	5.02	JAN 19	4.15	MAR 18	7.14	MAY 26	3.92	JUL 26	1.23	SEP 22	0.44

NASSAU COUNTY--Continued

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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.02	DEC 23	8.86	FEB 18	9.45	APR 29	9.59	JUN 30	9.53	AUG 30	8.29
NOV 24	8.77	JAN 22	8.87	MAR 21	9.83	MAY 31	9.86	JUL 28	8.96	SEP 28	8.36



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 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.

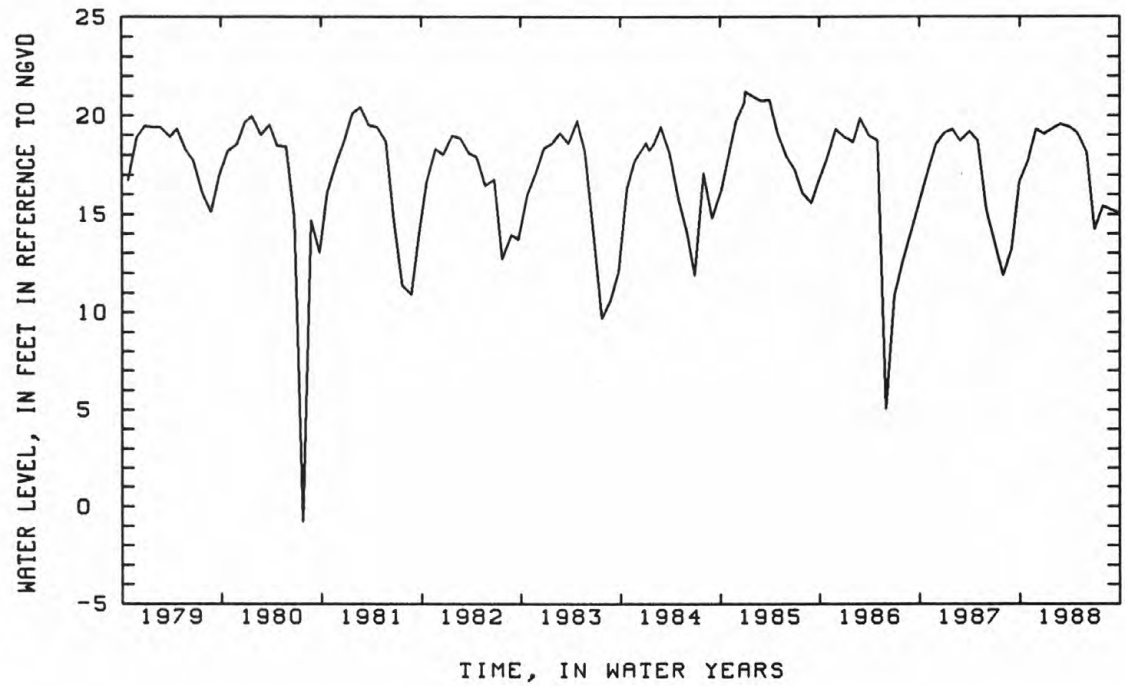
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.37	DEC 28	8.50	FEB 26	9.42	APR 28	9.16	JUN 20	6.82	AUG 19	5.13
NOV 17	7.57	JAN 28	8.76	MAR 28	9.03	MAY 25	8.84	JUL 18	4.95	SEP 23	5.42

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, 32.5 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	17.77	DEC 31	19.08	MAR 31	19.40	MAY 31	18.18	JUL 31	15.42	SEP 30	15.06
NOV 30	19.31	FEB 29	19.58	APR 30	19.11	JUN 30	14.23				



404030073293703. Local number, N 180.2
LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Long Island Railroad 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	13.73	DEC 18	14.10	FEB 26	14.86	APR 28	14.44	JUN 22	11.09	AUG 19	10.93
NOV 17	13.48	JAN 28	14.44	MAR 28	14.81	MAY 31	13.51	JUL 18	11.77	SEP 23	13.06

NASSAU COUNTY--Continued

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 and Nassau County 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.--March 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	36.25	DEC 17	36.51	MAR 18	36.70	MAY 26	36.26	JUL 25	35.64	SEP 22	35.24 G
NOV 19	36.57	FEB 18	36.63	APR 28	36.63	JUN 27	36.05	AUG 25	35.40		

G MEASUREMENT BY ANOTHER AGENCY

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 1.25 in, depth 27 ft, 24 ft 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 1.25 in steel casing, 0.80 ft below land-surface datum.
PERIOD OF RECORD.--October 1938 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.

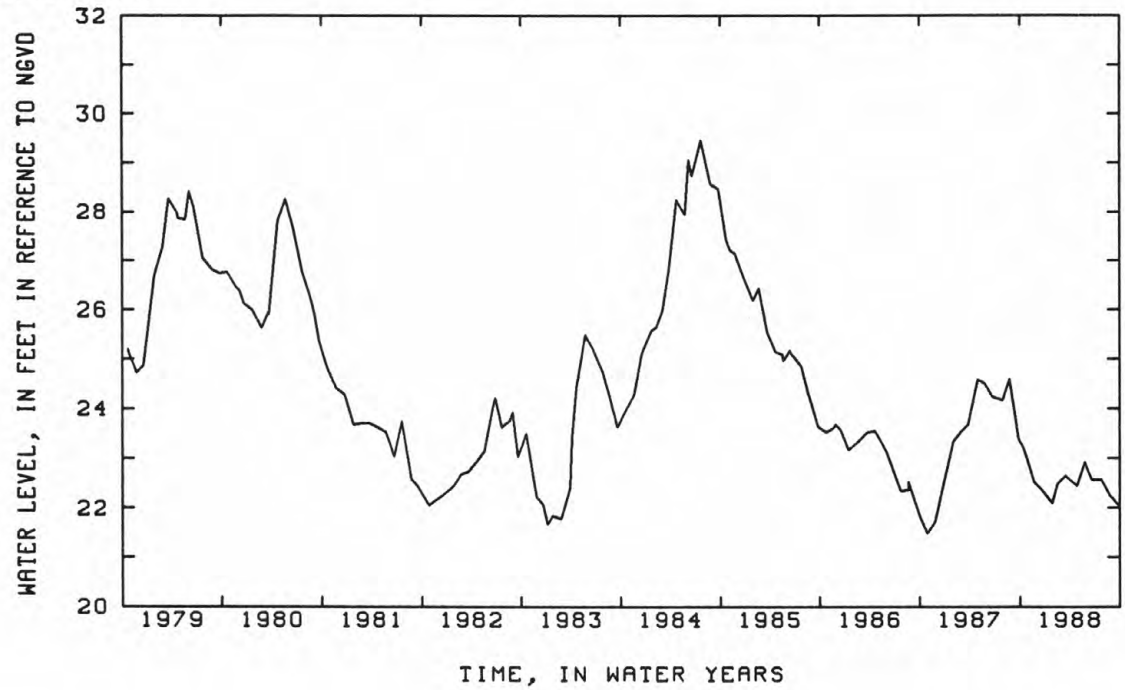
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	8.96	DEC 16	8.94	FEB 26	10.01	APR 28	10.02	JUN 20	9.05	AUG 19	7.99
22	8.79	JAN 27	9.19	MAR 28	10.20	MAY 25	10.17	JUL 18	8.15	SEP 23	8.34
NOV 17	8.76										

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 1.25 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 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, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	23.19	DEC 23	22.34	FEB 16	22.48	APR 26	22.45	JUN 21	22.56	AUG 25	22.25
29	22.94	JAN 28	22.10	MAR 16	22.65	MAY 26	22.92	JUL 25	22.56	SEP 26	22.05
NOV 23	22.52										



405104073375201. Local number, N 1152.1
LOCATION.--Lat 40°51'04", long 73°37'52", Hydrologic Unit 02030201, at norhtwest 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 6, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	48.08	DEC 16	47.90	FEB 26	47.55	APR 28	47.44	JUN 20	47.19	AUG 18	46.70
NOV 17	48.03	JAN 27	47.60	MAR 28	47.50	MAY 25	47.42	JUL 18	46.79	SEP 23	46.18

NASSAU COUNTY--Continued

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 14, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 7	78.57	JUN 20	78.31	JUL 18	77.77	AUG 18	77.82	SEP 23	77.92		

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. Well also sampled for water quality.
PERIOD OF RECORD.--July 11, 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.13 ft NGVD, June 7, 1979; lowest measured, 64.56 ft NGVD, September 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	66.84	NOV 17	66.18	FEB 26	65.42	APR 28	65.48	JUN 20	65.26	AUG 19	64.77
13	66.73	DEC 18	66.03	MAR 28	65.71	MAY 25	65.56	JUL 18	64.93	SEP 23	64.56
15	66.65	JAN 28	65.31								

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 1987 TO SEPTEMBER 1988

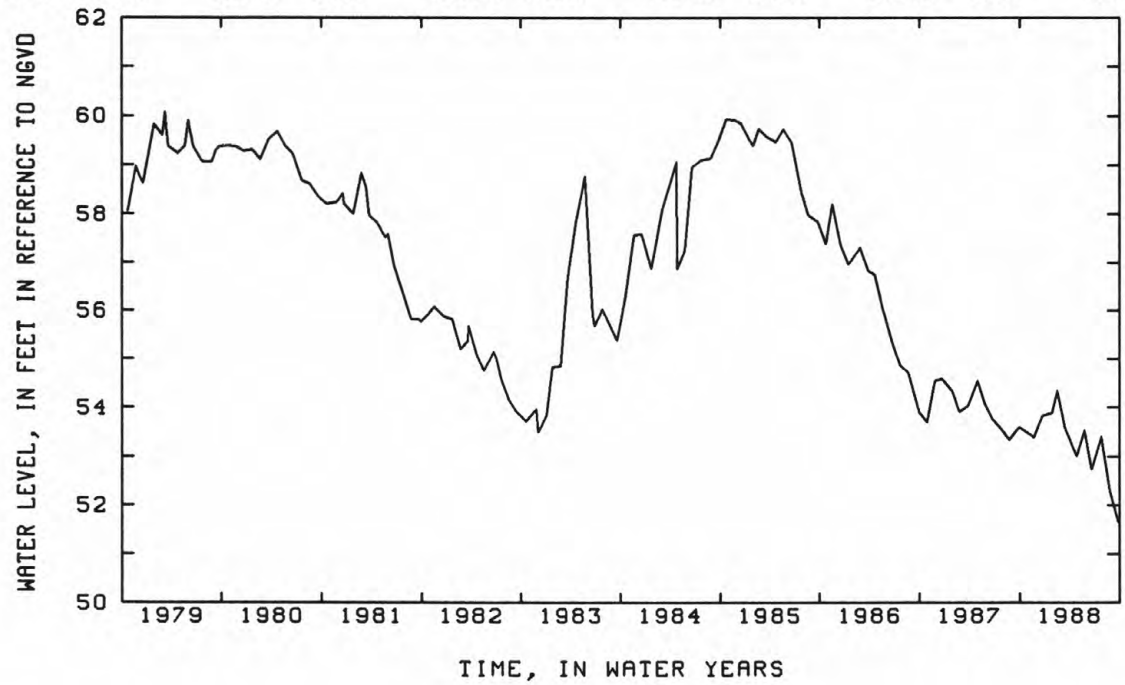
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 7	60.94	JUN 20	60.89	JUL 18	60.28	AUG 18	60.02	SEP 23	59.62		

NASSAU COUNTY--Continued

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 1.25 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	53.50	DEC 23	53.83	FEB 16	54.35	APR 26	53.01	JUN 21	52.73	AUG 25	52.30
NOV 23	53.39	JAN 28	53.88	MAR 16	53.58	MAY 26	53.53	JUL 25	53.40	SEP 26	51.66

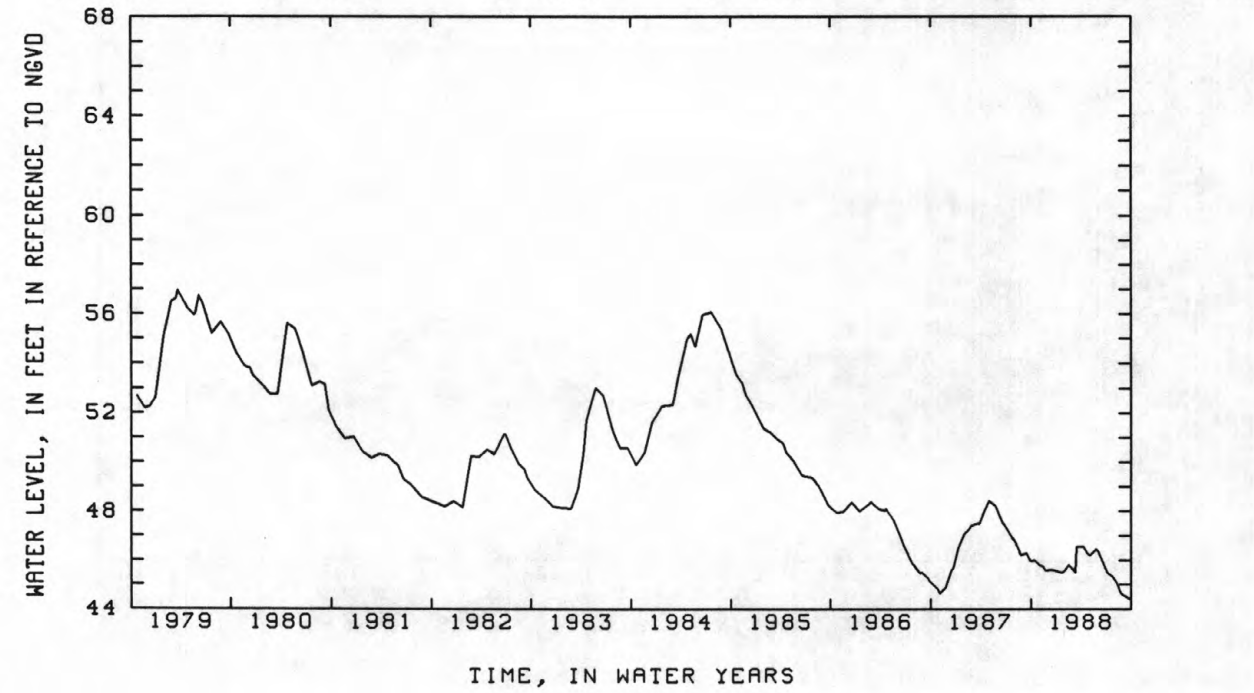


NASSAU COUNTY--Continued

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 1.25 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 1.25 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, Feburary 21, 1978; lowest measured, 44.41 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

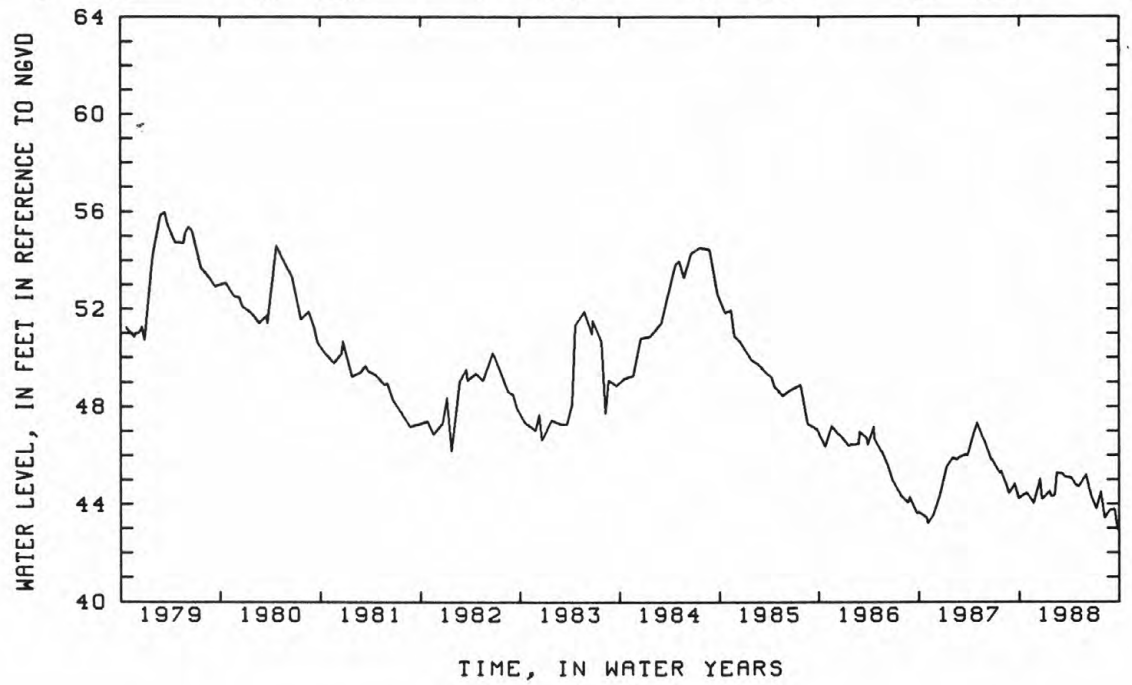
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	46.00	DEC 16	45.61	FEB 11	45.72	APR 11	46.56	JUN 2	46.40	AUG 9	45.08
29	45.82	23	45.59	16	45.83	26	46.25	21	45.94	25	44.61
NOV 16	45.74	JAN 22	45.51	MAR 11	45.52	MAY 5	46.21	JUL 7	45.49	SEP 14	44.49
23	45.60	28	45.53	16	46.55	26	46.45	25	45.33	26	44.41



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 1.25 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 1.25 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, 42.94 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	44.37	DEC 16	45.02	FEB 11	44.36	APR 11	45.09	JUN 2	45.20	AUG 9	43.42
29	44.46	23	44.22	16	45.30	26	44.76	21	44.34	25	43.75
NOV 16	44.19	JAN 22	44.52	MAR 11	45.24	MAY 5	44.74	JUL 8	43.81	SEP 14	43.80
23	44.04	28	44.32	16	45.13	26	45.09	25	44.50	26	42.94



404042073292601. Local number, N 1464.1
LOCATION.--Lat 40°40'42", long 73°29'26", Hydrologic Unit 02030202, at north side of Franklin Avenue, 102.5 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 6 in to 1.25 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 1.25 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	14.80	DEC 18	14.74	MAR 28	20.42	JUN 20	15.36	JUL 18	14.77	AUG 19	14.58
15	14.83	JAN 28	15.21	APR 28	15.61	JUL 6	15.29	AUG 4	14.86	SEP 23	14.51
NOV 17	14.61	FEB 26	16.05	MAY 31	15.79						

NASSAU COUNTY--Continued

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 2.5 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 2.5 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.13	DEC 17	7.07	FEB 18	7.13	APR 28	6.77	JUN 27	0.68	AUG 25	-0.53
NOV 19	6.08	JAN 19	5.65	MAR 18	7.74	MAY 26	5.21	JUL 26	1.26	SEP 22	1.73

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 2.5 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 2.5 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	7.56	DEC 17	7.55	FEB 18	7.98	APR 28	7.84	JUN 27	5.74	AUG 25	7.12
NOV 19	7.93	JAN 19	7.36	MAR 18	5.96	MAY 26	7.85	JUL 26	5.96	SEP 22	7.43

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 2.5 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 2.5 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 1987 TO SEPTEMBER 1988

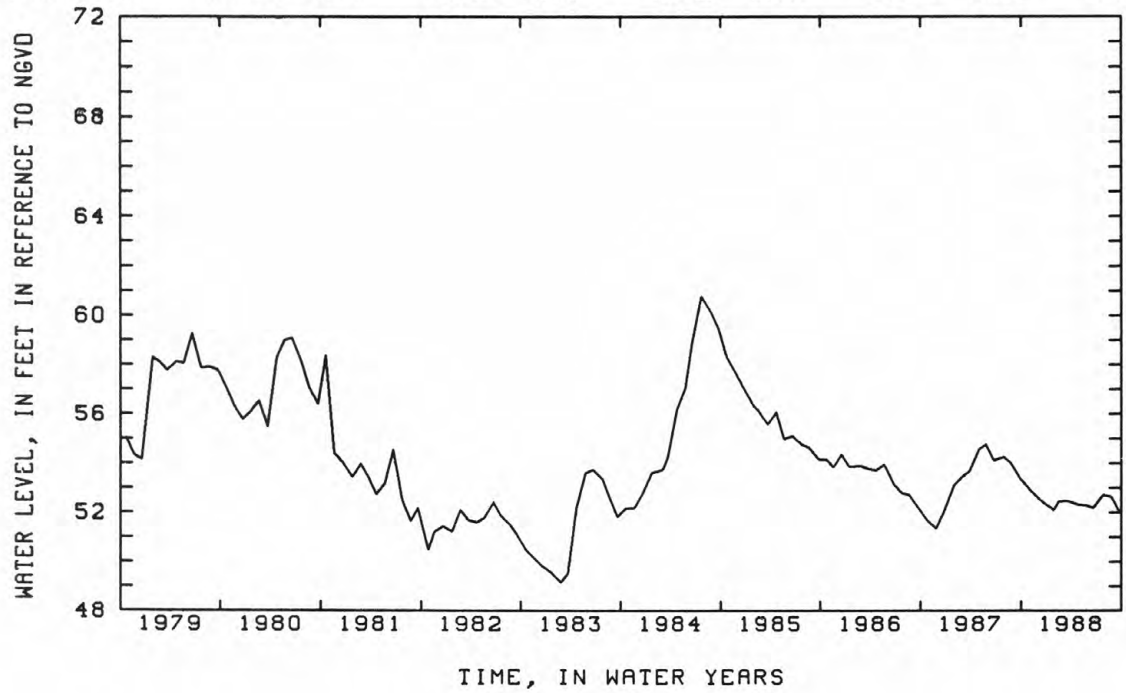
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	8.17	DEC 17	8.24	FEB 18	8.62	APR 28	8.50	JUN 27	6.19	AUG 25	7.76
NOV 19	8.17	JAN 19	8.04	MAR 18	8.65	MAY 26	8.47	JUL 26	6.77	SEP 22	8.05

NASSAU COUNTY--Continued

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 1.25 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 1.25 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	52.96	DEC 23	52.38	FEB 16	52.45	APR 26	52.31	JUN 21	52.19	AUG 25	52.61
NOV 23	52.67	JAN 28	52.10	MAR 16	52.47	MAY 26	52.29	JUL 25	52.71	SEP 26	52.01

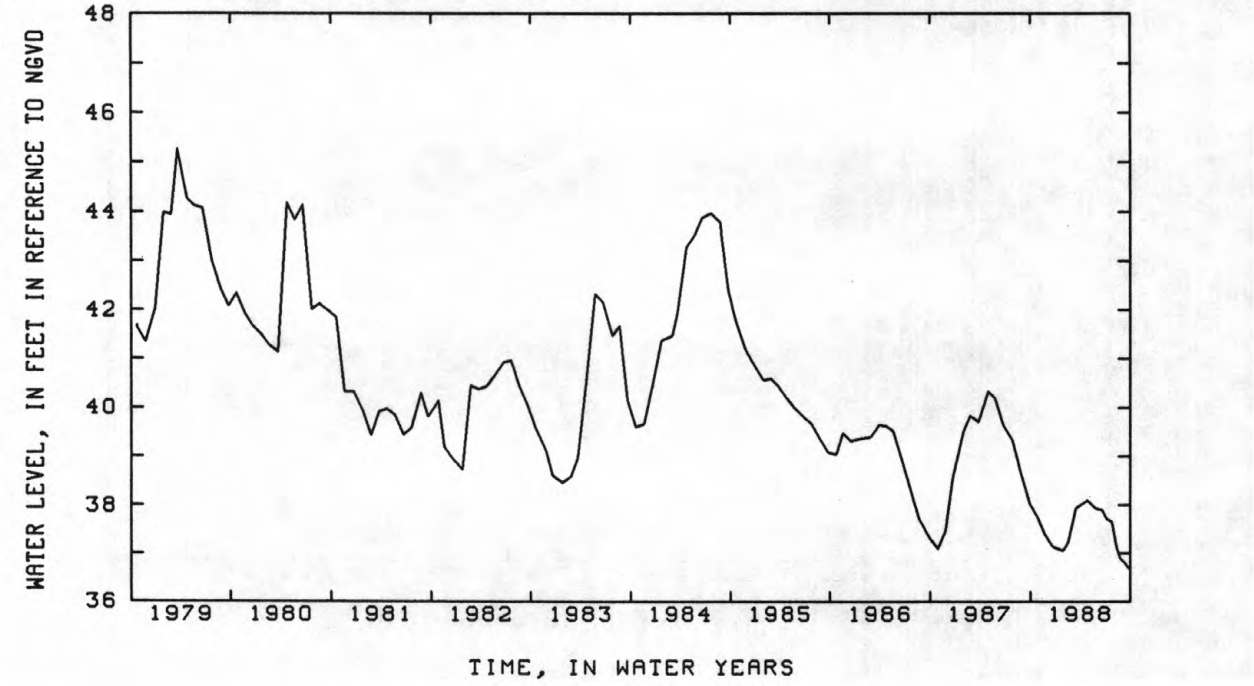


NASSAU COUNTY--Continued

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 1.25 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 1.25 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, 36.69 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

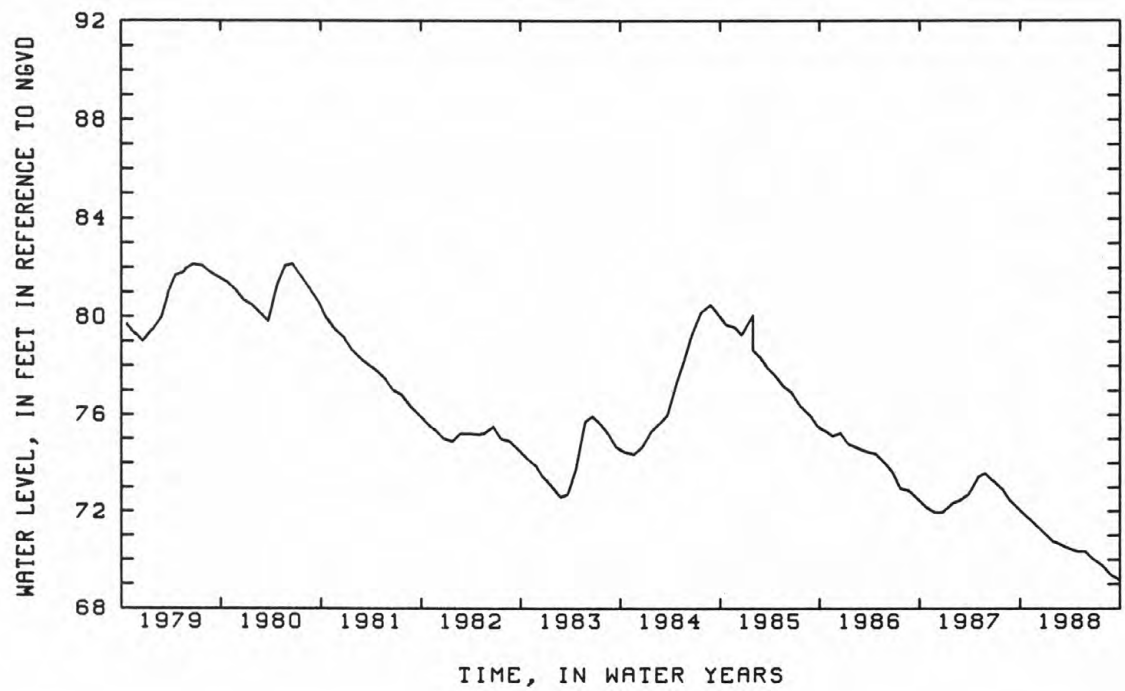
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	37.73	JAN 28	37.06	APR 26	38.10	JUL 5	37.71	AUG 11	37.14	SEP 15	36.77
NOV 23	37.40	FEB 16	37.23	MAY 26	37.94	25	37.65	25	36.89	26	36.69
DEC 23	37.13	MAR 16	37.94	JUN 21	37.90						



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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	71.74	JAN 28	70.77	MAR 16	70.52	MAY 26	70.34	JUL 25	69.80	SEP 15	69.28
NOV 23	71.48	FEB 16	70.68	APR 26	70.36	JUN 21	70.05	AUG 25	69.41	26	69.21
DEC 23	71.18										



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.

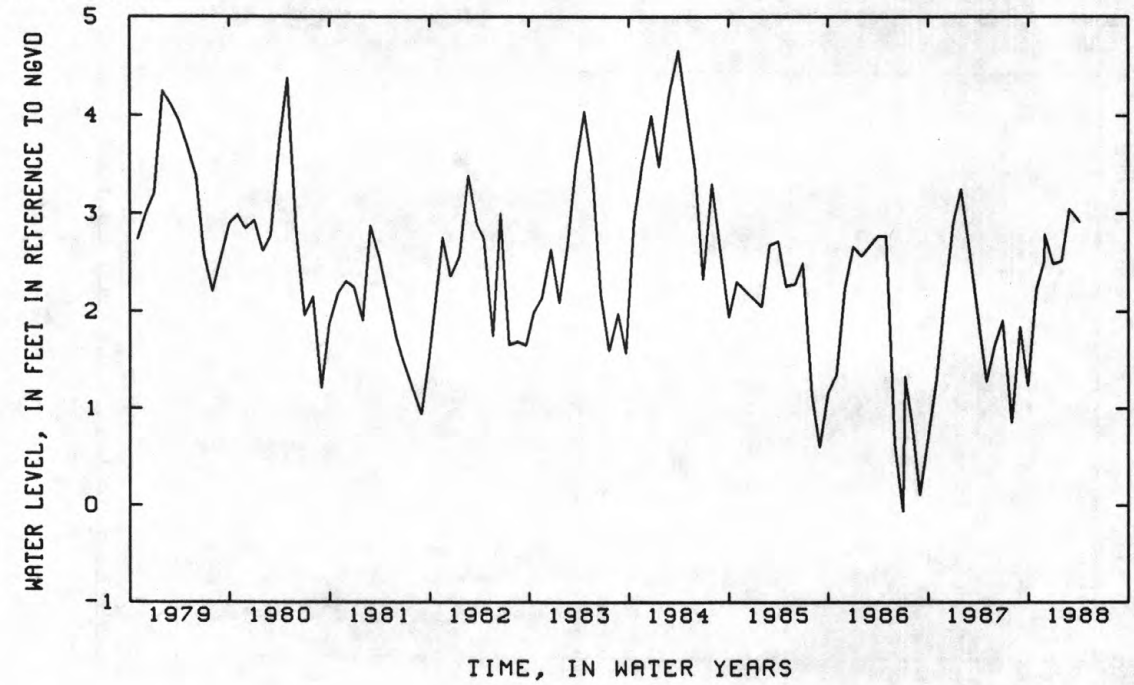
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	66.65	DEC 16	69.17	FEB 26	66.09	APR 28	65.61	JUN 21	65.46	AUG 18	65.02
NOV 17	66.37	JAN 27	65.86	MAR 28	65.83	MAY 25	65.57	JUL 18	65.18	SEP 23	64.67

403805073395301. Local number, N 2790.2
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, in recorder shelter, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in, depth 571 ft, screened 538 to 560 ft.
INSTRUMENTATION.--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.--December 1949 to current year. Unpublished records from December 1949 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	2.23	NOV 30	2.79	DEC 31	2.49	JAN 31	2.52	FEB 29	3.05	APR 5	2.92
NOV 27	2.52										



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.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--August 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft NGVD, April 10, 1957; lowest measured, 23.18 ft NGVD, April 11, 1972.

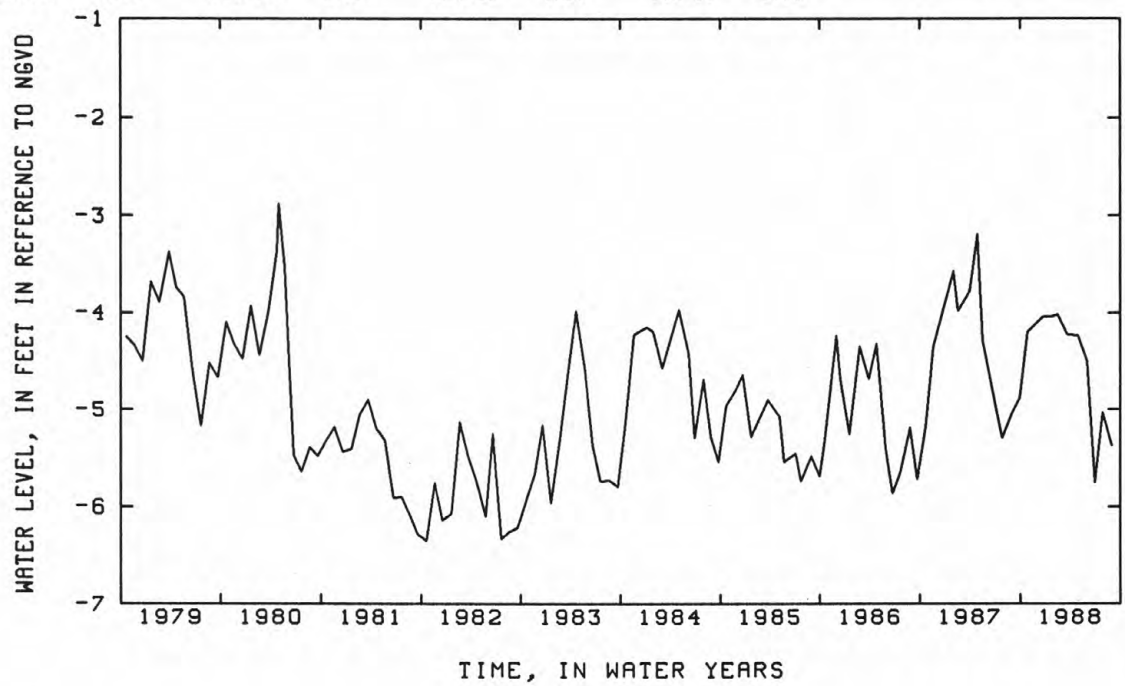
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	28.85	DEC 16	30.26	FEB 26	30.22	MAY 25	30.13	JUL 18	28.05	SEP 23	27.63
NOV 17	29.31	JAN 28	29.92	MAR 31	30.45	JUN 21	29.26	AUG 18	27.68		

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, in recorder shelter, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	-4.20	JAN 22	-4.04	MAR 21	-4.23	MAY 31	-4.50	JUL 28	-5.03	AUG 30	-5.37
DEC 23	-4.04	FEB 18	-4.02	APR 29	-4.24	JUN 30	-5.75				

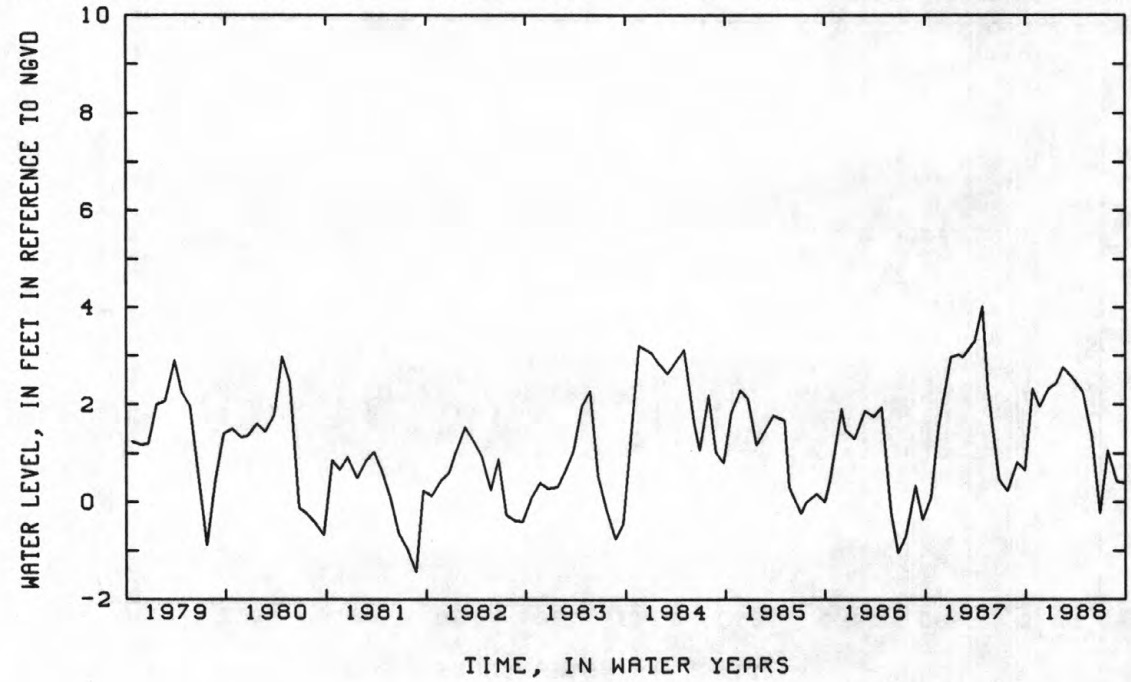


NASSAU COUNTY--Continued

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, in recorder shelter, 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.--December 1952 to current year. Unpublished records from December 1952 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.33	DEC 23	2.32	FEB 18	2.77	APR 29	2.25	JUN 30	-0.23	AUG 30	0.42
NOV 24	1.96	JAN 22	2.44	MAR 21	2.54	MAY 31	1.32	JUL 28	1.06	SEP 28	0.39



403751073440202. Local number, N 3932.1
LOCATION.--Lat 40°37'51", long 73°44'02", Hydrologic Unit 02030202, at Cedarhurst Pollution Control Plant, north of Peninsula Boulevard, east of Arlington Place, Cedarhurst. Owner: Nassau County Department of Public Works.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in, depth 178 ft, screened 172 to 176 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in steel nipple, 3.24 ft above land-surface datum.
PERIOD OF RECORD.--June 1952 to current year. Unpublished records from June 1952 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft NGVD, November 10, 1975; lowest measured, 0.30 ft NGVD, September 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.89	DEC 23	3.32	FEB 18	3.49	APR 29	2.94	JUN 30	1.59	AUG 30	2.31
NOV 25	2.61	JAN 22	3.33	MAR 21	3.16	MAY 31	2.95	JUL 28	2.54	SEP 28	2.07

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.48	DEC 23	3.94	MAR 21	3.20	MAY 31	2.75	JUN 30	1.66	JUL 28	2.67
NOV 24	3.25	JAN 22	3.77	APR 29	3.00						

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.41	DEC 23	7.55	FEB 18	7.97	APR 6	7.85	MAY 31	7.21	AUG 30	6.49
NOV 24	6.98	JAN 22	7.53	MAR 21	7.35	29	7.62	JUL 28	6.78	SEP 28	6.74

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.

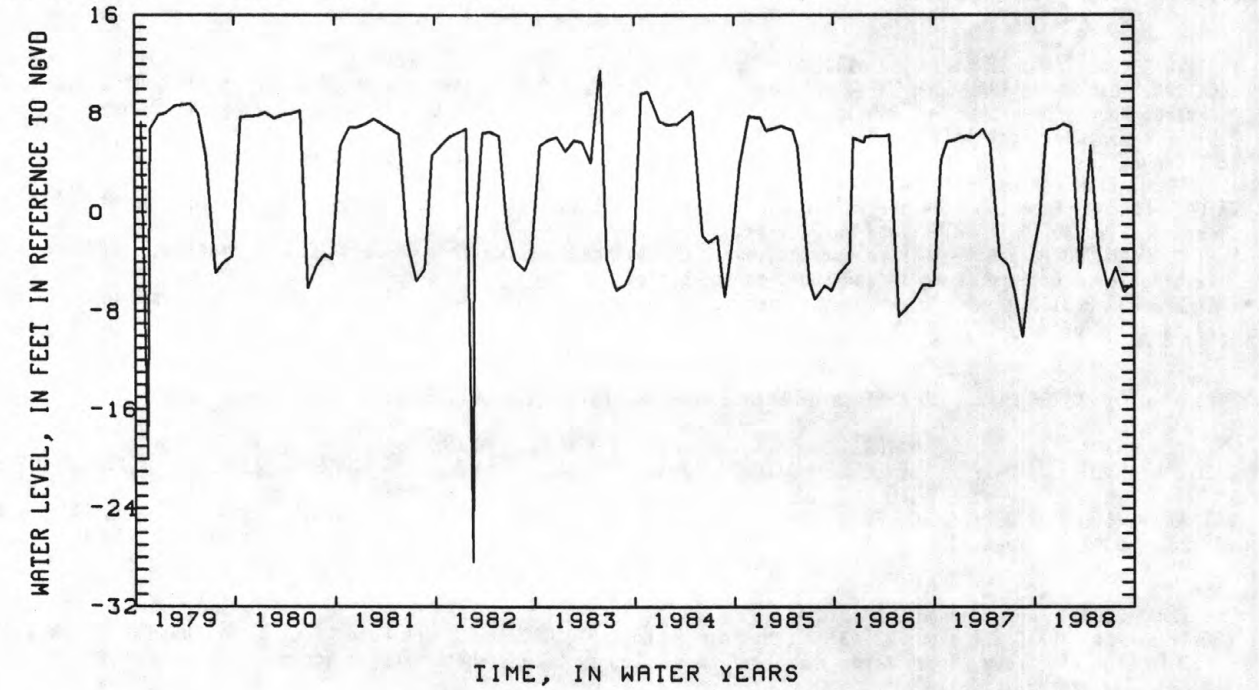
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.07	DEC 23	2.15	FEB 18	2.56	APR 29	2.06	JUN 30	-0.33	AUG 30	0.39
NOV 24	1.85	JAN 22	2.17	MAR 21	2.40	MAY 31	1.22	JUL 28	1.02	SEP 28	0.34

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, Middle Neck Road, in shelter, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	-0.62	DEC 27	6.85	FEB 18	6.87	APR 28	5.43	JUN 27	-6.09	AUG 25	-6.46
NOV 19	6.63	JAN 19	7.17	MAR 18	-4.47	MAY 26	-3.04	JUL 26	-4.46	SEP 22	-5.88



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 1.25 in, depth 37.0 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 1.25 in steel casing, 0.3 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, 64.58 ft NGVD, September 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	66.61	DEC 16	69.10	FEB 26	66.04	APR 28	65.54	JUN 20	65.41	AUG 18	64.95
NOV 17	66.29	JAN 27	65.77	MAR 28	65.77	MAY 25	65.45	JUL 18	65.10	SEP 23	64.58

NASSAU COUNTY--Continued

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 1.25 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 1.25 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	20.98	DEC 17	19.57	FEB 18	18.79	APR 28	18.83	JUL 26	19.89	SEP 22	19.68
NOV 19	20.06	JAN 19	19.10	MAR 18	18.71	JUN 27	19.74	AUG 25	19.81		

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 1.25 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 1.25 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 1987 TO SEPTEMBER 1988

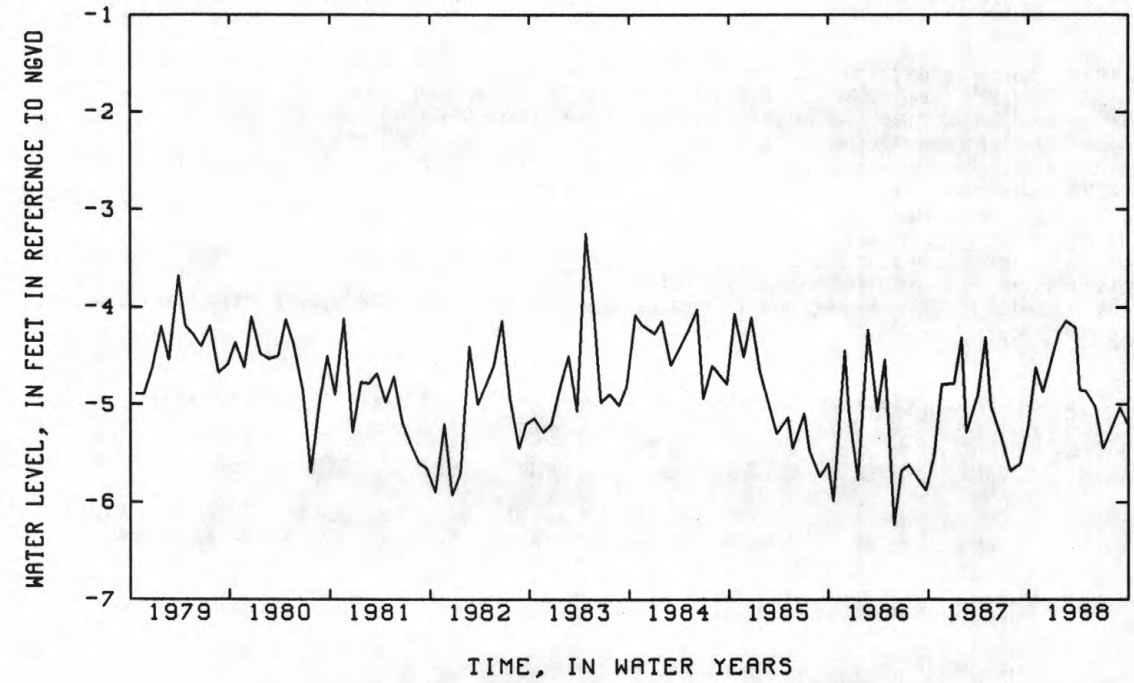
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	66.25	DEC 16	65.74	FEB 26	65.21	APR 28	64.99	JUN 20	64.91	AUG 18	64.87
NOV 17	66.03	JAN 27	65.49	MAR 28	65.04	MAY 25	65.02	JUL 18	64.81	SEP 23	64.68

NASSAU COUNTY--Continued

403517073430702. Local number, N 6702.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at well field, 0.1 mile 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.--August 1959 to current year. Unpublished records from August 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	-4.61	JAN 22	-4.25	MAR 21	-4.21	APR 29	-4.86	JUN 30	-5.45	AUG 30	-5.03
NOV 24	-4.87	FEB 18	-4.14	APR 5	-4.85	MAY 31	-5.02	JUL 28	-5.26	SEP 28	-5.20



403517073430705. Local number, N 6705.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at well field, 0.1 mile 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 1987 TO SEPTEMBER 1988

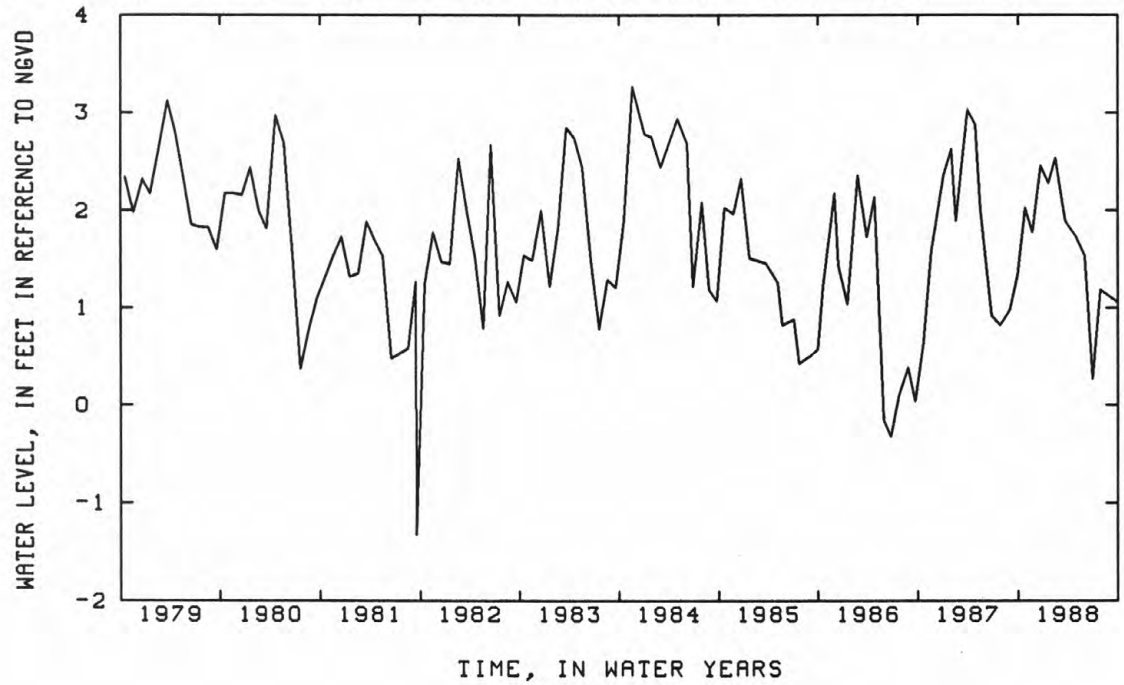
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.13	JAN 22	1.63	MAR 21	0.75	APR 29	1.87	JUN 30	1.73	AUG 30	1.51
NOV 24	1.24	FEB 18	1.45	APR 5	1.64	MAY 31	1.70	JUL 28	1.56	SEP 28	1.72

NASSAU COUNTY--Continued

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.03	DEC 23	2.46	FEB 18	2.54	APR 29	1.74	JUN 30	0.27	SEP 28	1.06
NOV 24	1.78	JAN 22	2.28	MAR 21	1.90	MAY 31	1.54	JUL 28	1.18		



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 1040 ft, screened 1027 to 1037 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.

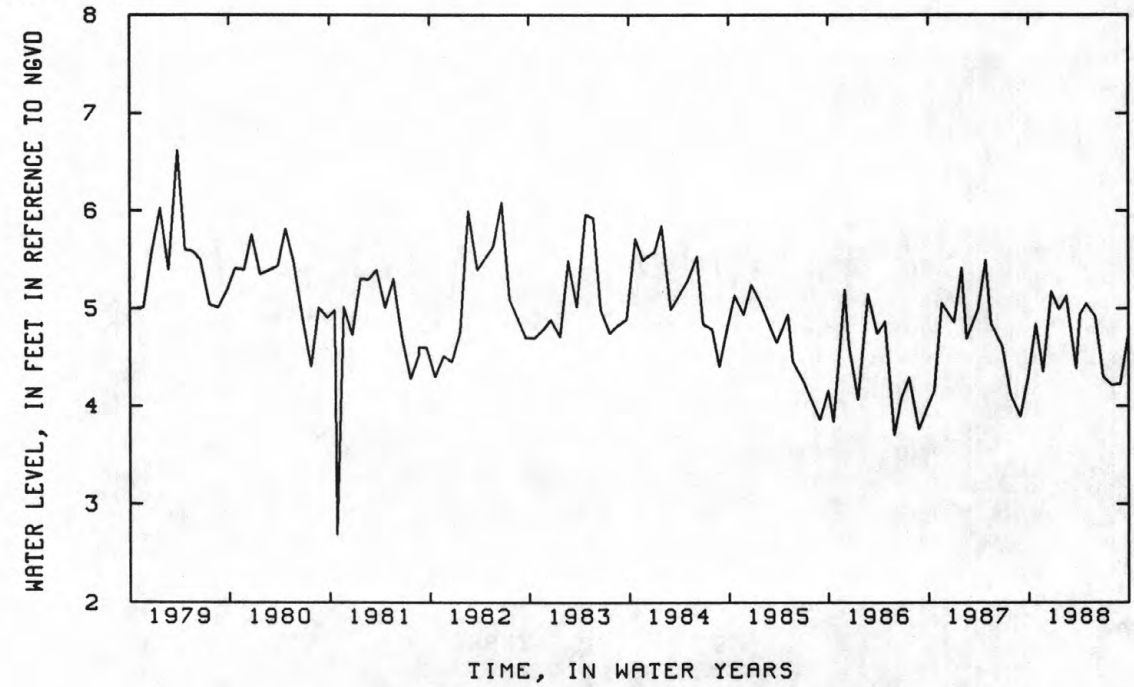
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.15	JAN 22	5.43	MAR 21	5.16	APR 29	5.76	JUN 30	5.55	AUG 30	5.02
NOV 24	4.77	FEB 18	5.47	APR 6	5.55	MAY 31	5.53	JUL 28	5.09	SEP 28	4.89
DEC 23	5.35										

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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.84	JAN 22	4.99	MAR 21	4.38	APR 29	5.05	JUN 30	4.30	AUG 30	4.22
NOV 24	4.35	FEB 18	5.13	APR 6	4.94	MAY 31	4.92	JUL 28	4.21	SEP 28	4.71
DEC 23	5.18										



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 1.25 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 1.25 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 1987 TO SEPTEMBER 1988

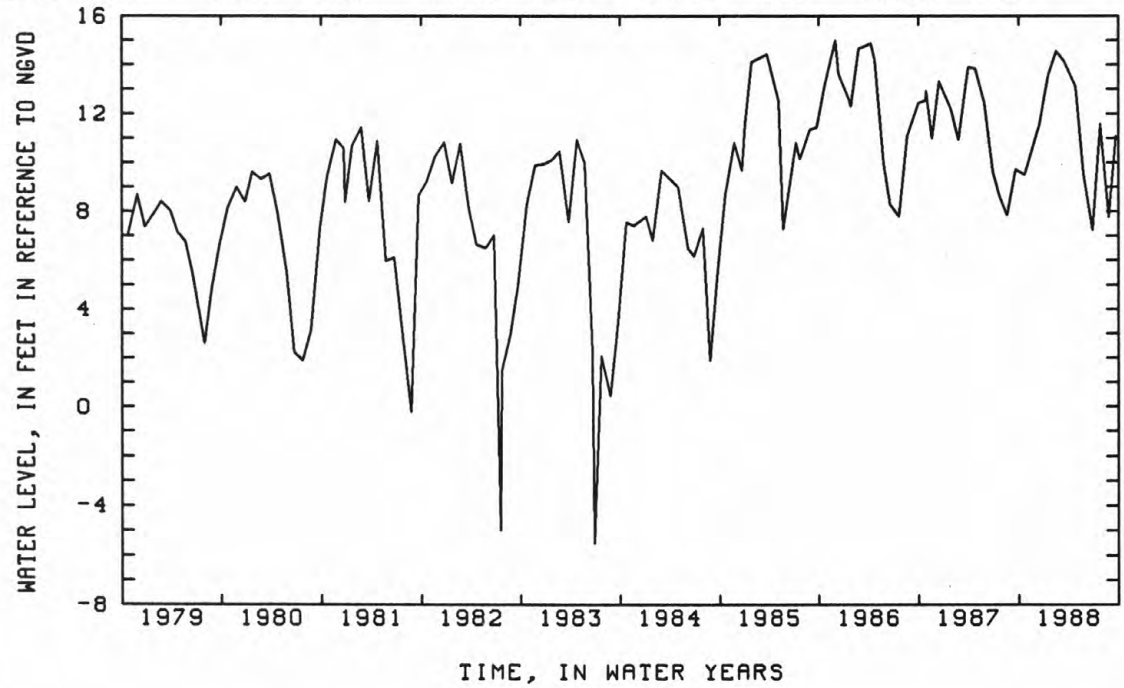
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	28.14	JAN 28	27.65	MAR 28	27.31	MAY 25	27.31	JUL 18	27.12	SEP 23	27.17
DEC 16	27.98	FEB 26	27.77	APR 28	27.40	JUN 21	27.23	AUG 18	27.10		

NASSAU COUNTY--Continued

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, in recorder shelter, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.49	JAN 19	13.62	MAR 18	14.12	MAY 26	9.54	JUL 26	11.56	SEP 22	11.07
DEC 17	11.56	FEB 17	14.55	APR 28	13.12	JUN 27	7.25	AUG 25	7.78		

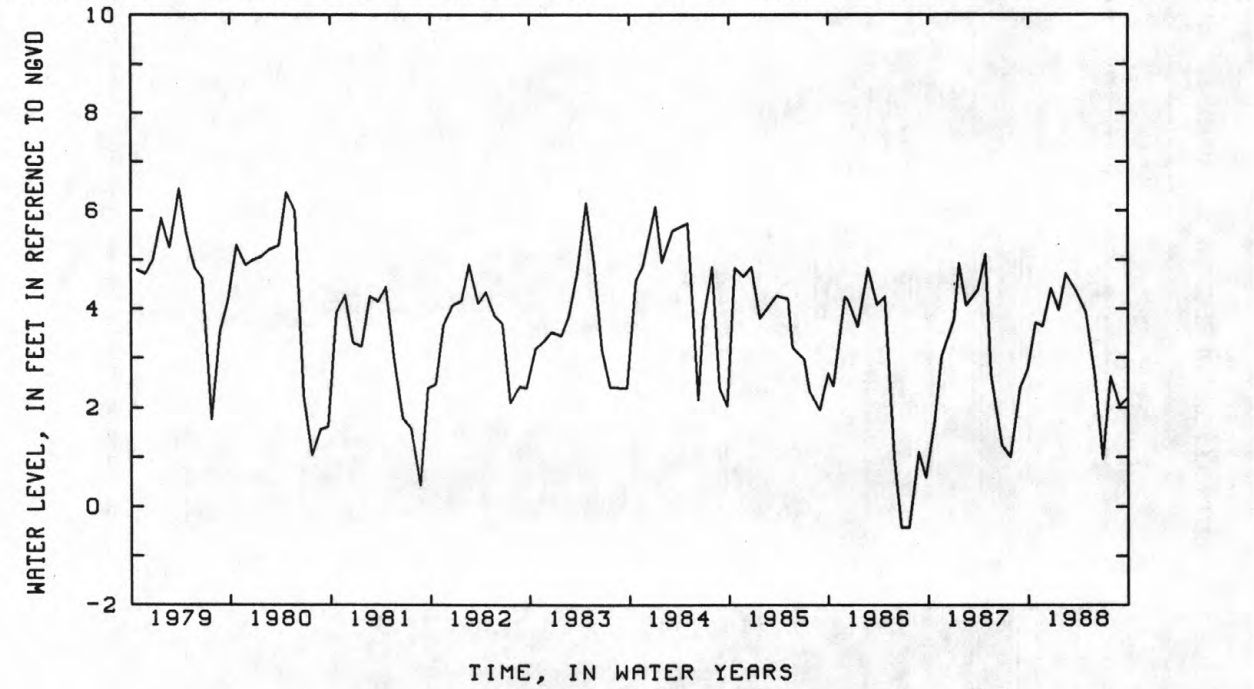


NASSAU COUNTY--Continued

403856073392603. Local number, N7161.2
LOCATION.--Lat 40°38'56", long 73°39'26", Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, just north of the end of Roxbury Road, in recorder shelter, 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 recorder shelf, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.71	DEC 23	4.42	FEB 18	4.72	APR 29	3.94	JUN 30	0.96	AUG 30	2.04
NOV 24	3.65	JAN 22	3.97	MAR 21	4.38	MAY 31	2.62	JUL 28	2.63	SEP 28	2.18



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.

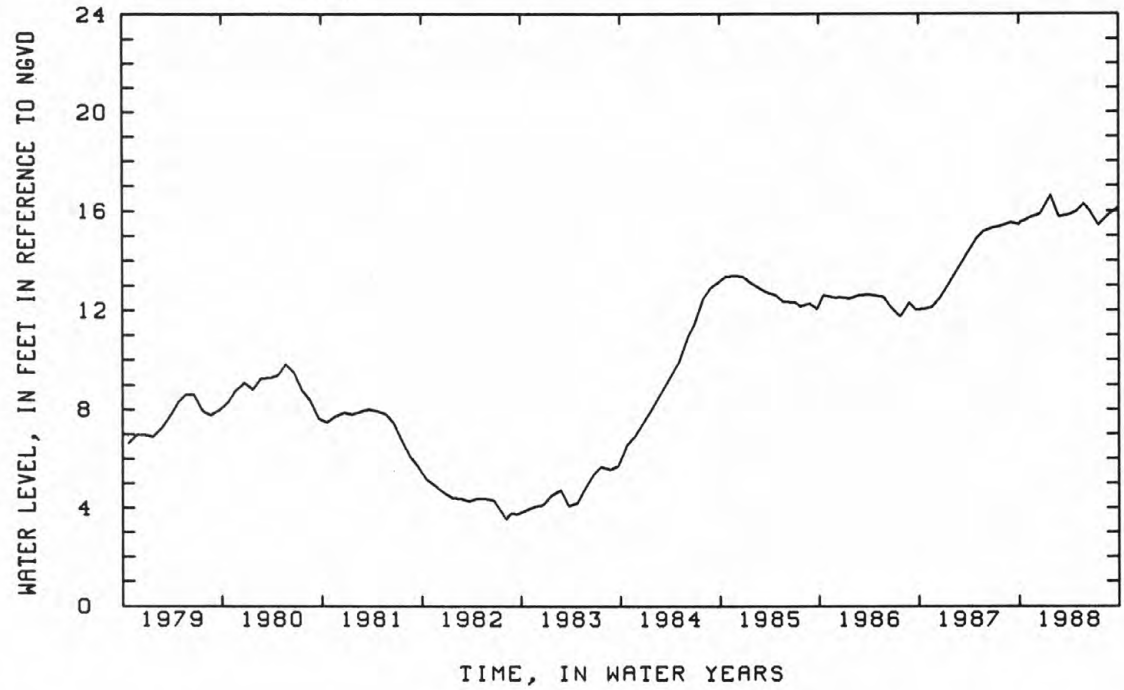
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.64	DEC 23	3.92	FEB 18	3.89	APR 29	3.06	JUN 30	2.56	AUG 30	3.38
NOV 24	3.55	JAN 22	4.01	MAR 21	3.53	MAY 31	2.70	JUL 28	3.17	SEP 28	3.03

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, in recorder shelter, 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.
REMARKS.--Well also sampled for water quality.
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, 20.33 ft NGVD, April 30, 1964; lowest measured, 3.52 ft NGVD, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	15.45	NOV 17	15.76	FEB 26	15.74	APR 28	15.97	JUN 21	15.94	AUG 19	15.79
6	15.55	DEC 16	15.86	MAR 28	15.84	MAY 25	16.28	JUL 18	15.41	SEP 28	16.11
22	15.61	JAN 27	16.61								



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 Searington 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 couplinng, 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.

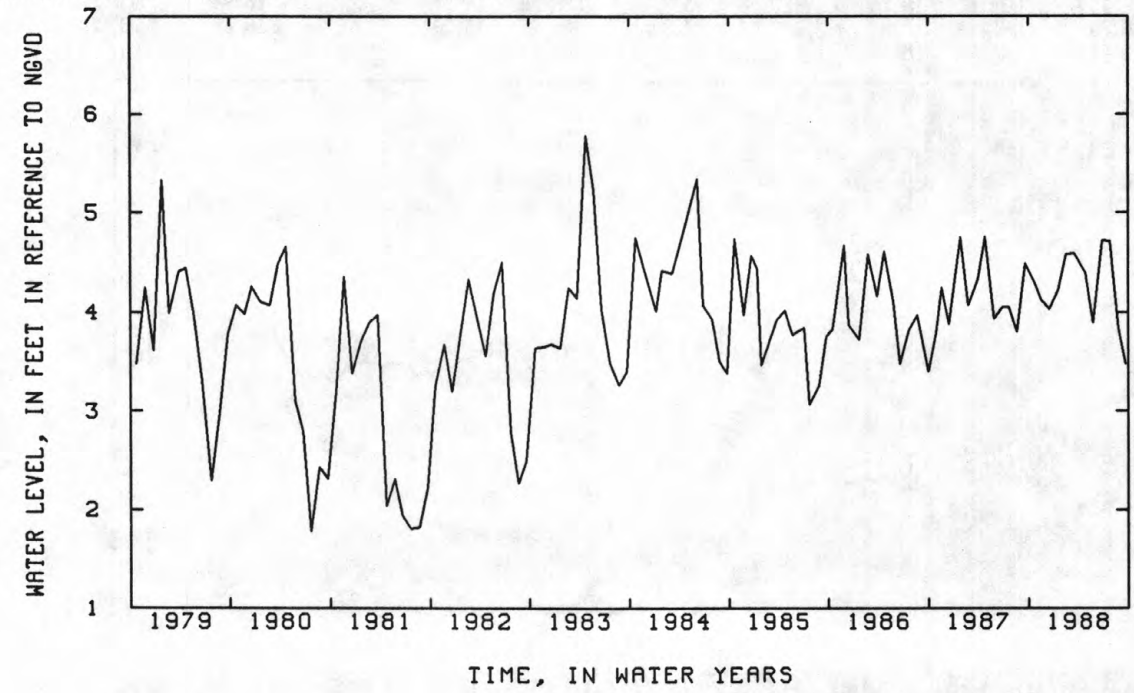
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	31.96	JAN 27	31.09	MAR 28	26.13	MAY 25	30.58	JUN 22	22.54	AUG 18	25.05
NOV 17	29.56	FEB 26	29.86	APR 28	30.70	JUN 20	22.88	JUL 18	21.52	SEP 23	23.01
DEC 16	30.37										

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, in recorder shelter, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.31	DEC 17	4.03	FEB 18	4.58	APR 28	4.40	JUN 27	4.72	AUG 25	3.84
NOV 19	4.12	JAN 19	4.23	MAR 18	4.59	MAY 26	3.89	JUL 26	4.71	SEP 22	3.48



404947073450201. Local number, N 8052.1
LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at south side of Pond Road, 91 ft west of Hayworth Drive, 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 1987 TO SEPTEMBER 1988

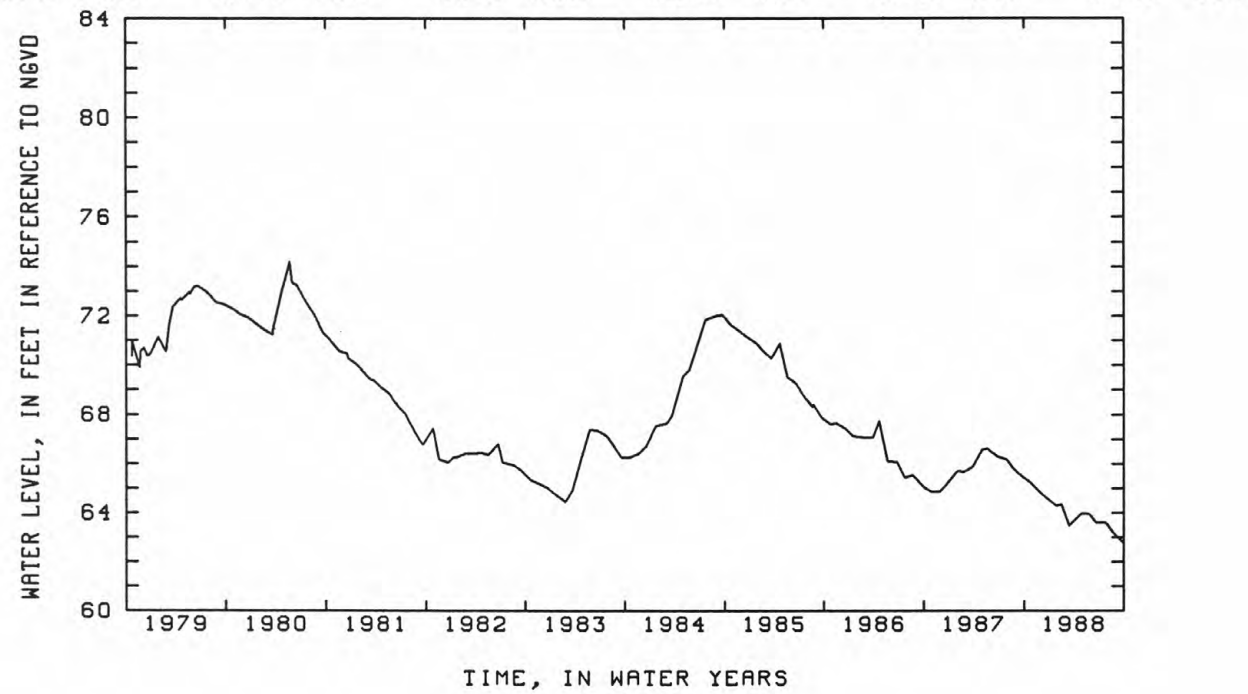
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.95	DEC 17	4.91	FEB 18	5.21	APR 28	5.13	JUN 27	4.48	AUG 25	4.47
NOV 19	4.79	JAN 19	4.73	MAR 18	5.27	MAY 26	4.90	JUL 26	4.50	SEP 22	4.18

NASSAU COUNTY--Continued

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, 62.82 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	65.19	DEC 23	64.61	FEB 16	64.35	APR 26	63.96	JUN 21	63.60	AUG 25	63.13
NOV 23	64.89	JAN 28	64.30	MAR 16	63.48	MAY 26	63.96	JUL 25	63.60	SEP 26	62.82

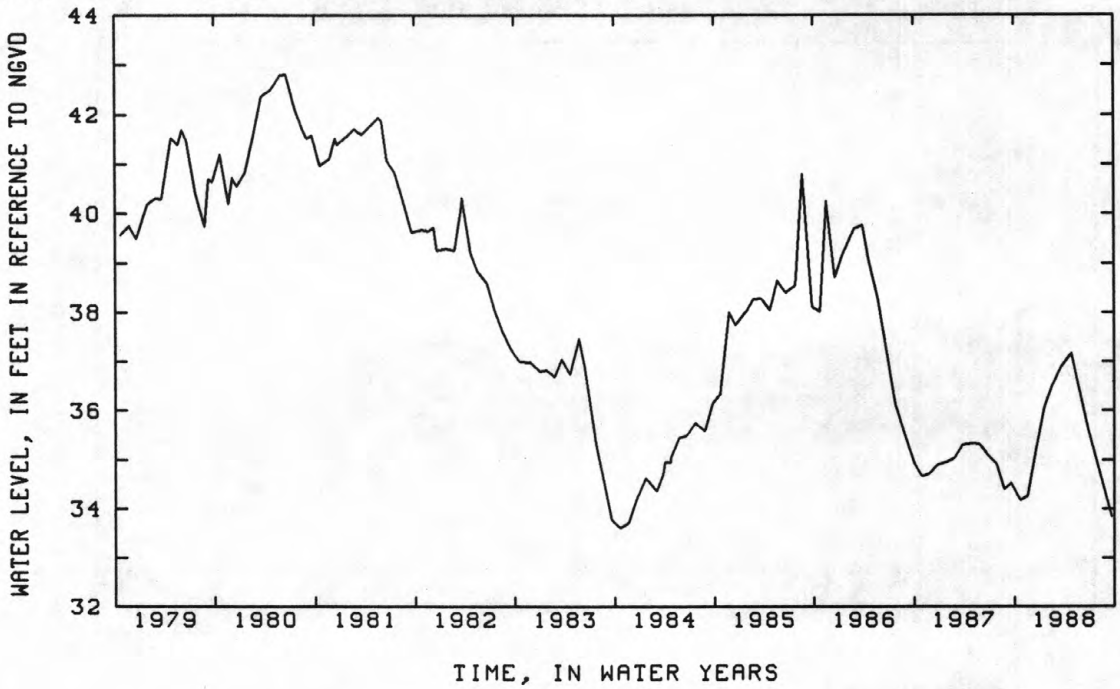


NASSAU COUNTY--Continued

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, 33.53 ft NGVD, September 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	34.18	DEC 17	35.12	FEB 18	36.52	APR 28	37.17	JUN 27	35.63	SEP 22	33.84
NOV 19	34.26	JAN 19	36.07	MAR 18	36.87						



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 1.25 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 1.25 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, 9.18 ft NGVD, March 26, 1974; lowest measured, -1.04 ft NGVD, June 11, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.98	JAN 28	8.66	APR 28	8.41	JUL 5	7.80	AUG 11	7.60	SEP 19	7.83
NOV 17	8.00	FEB 26	8.78	MAY 25	8.77	18	7.53	19	7.39	23	7.83
DEC 18	8.36	MAR 28	8.71	JUN 20	8.02						

NASSAU COUNTY--Continued

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. Well also sampled for water quality.
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, 77.02 ft NGVD, September 23, 1988.

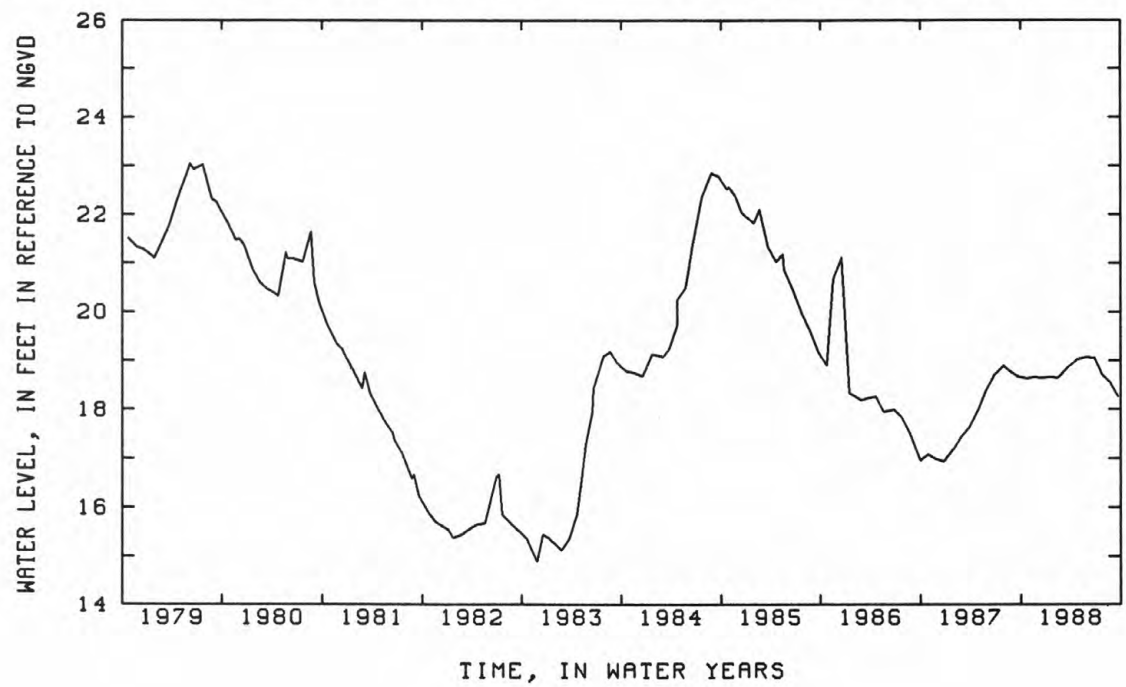
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 7	77.80	JUN 20	77.63	JUL 18	77.22	AUG 18	77.16	SEP 23	77.02		

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 1987 TO SEPTEMBER 1988

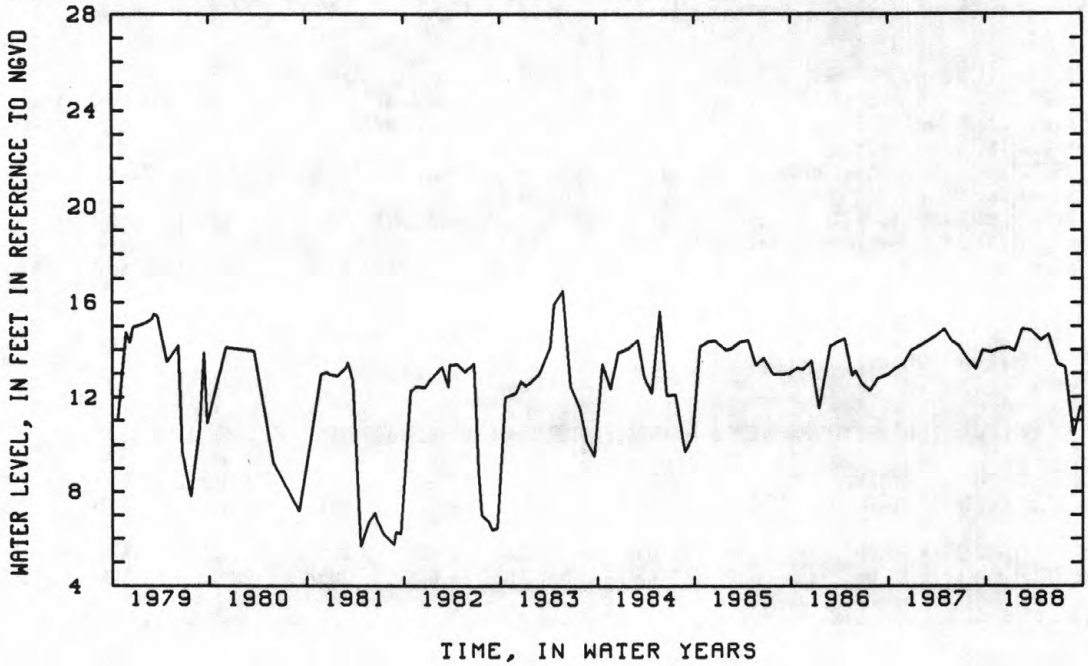
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	18.63	DEC 17	18.65	FEB 18	18.65	APR 28	19.03	JUN 27	19.05	AUG 25	18.53
NOV 19	18.66	JAN 19	18.66	MAR 18	18.85	MAY 26	19.06	JUL 26	18.71	SEP 22	18.27



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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	13.92	DEC 27	14.11	FEB 18	14.89	APR 28	14.41	JUN 27	13.42	AUG 25	10.38
NOV 19	14.05	JAN 19	13.96	MAR 18	14.84	MAY 26	14.66	JUL 26	13.29	SEP 22	11.59



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. Well also sampled for water quality.
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, 16.52 ft NGVD, September 23, 1988; lowest measured, 5.39 ft NGVD, April 8, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

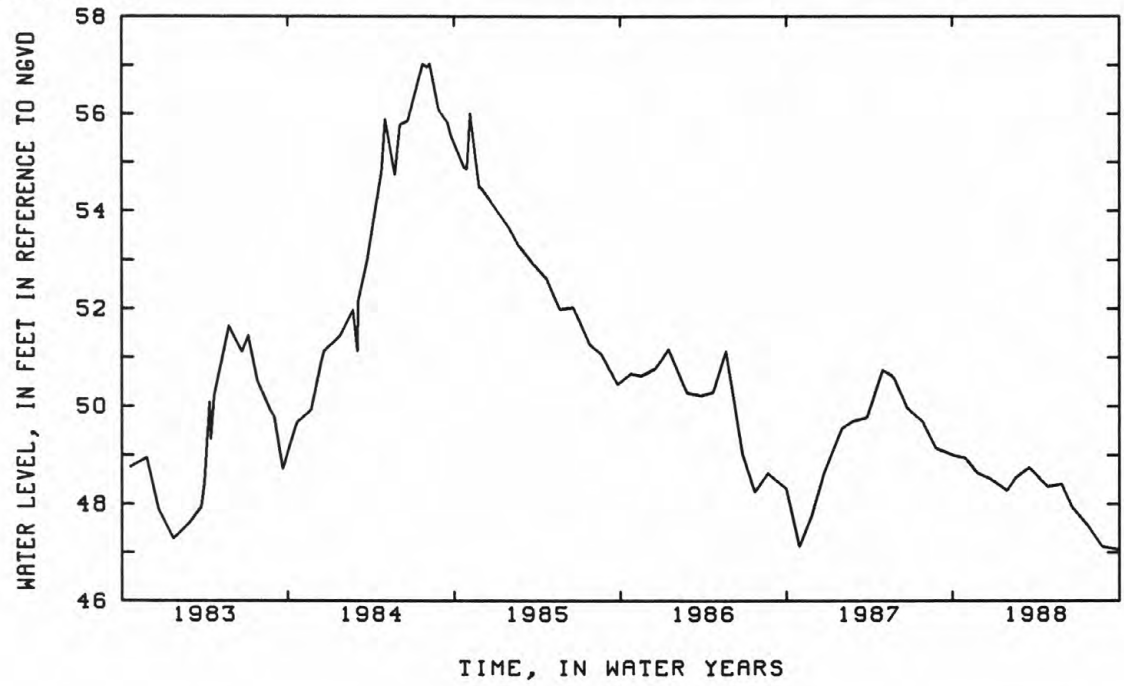
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	15.96	NOV 17	15.99	FEB 26	15.93	APR 28	16.09	JUN 20	16.37	AUG 19	15.95
22	16.00	DEC 16	16.03	MAR 28	16.02	MAY 25	16.46	JUL 18	15.80	SEP 23	16.52
22	16.00	JAN 27	16.00								

NASSAU COUNTY--Continued

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 fron May 1913 to October 1982 are available in files of Long Island Subdistrict office. Well also sampled for water quality.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	48.99	DEC 23	48.51	FEB 16	48.52	APR 26	48.35	JUN 21	47.92	AUG 25	47.12
29	48.94	JAN 28	48.28	MAR 16	48.75	MAY 26	48.41	JUL 25	47.53	SEP 26	47.07
NOV 23	48.64										



QUEENS COUNTY

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 unused 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 1	5.25	APR 26	1.32	JUN 29	-1.11	SEP 20	2.29				

403824073491601. Local number, Q 287.1
LOCATION.--Lat 40°38'24", long 73°49'16", Hydrologic Unit 02030202, at Shad Creek Road, Broad Channel. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation 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 casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	4.07	MAR 4	5.26	JUN 29	3.26	JUL 19	2.62	AUG 30	2.61	SEP 28	2.53

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 observation 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 flange, 0.73 ft above land-surface datum.
PERIOD OF RECORD.--July 1954 to current year. Unpublished records from 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 18	-1.54	AUG 22	-2.16	SEP 20	1.09						

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 118.0 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 casing, 5.22 ft above land-surface datum.
PERIOD OF RECORD.--March 1931 to current year. Unpublished records from March 1931 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.

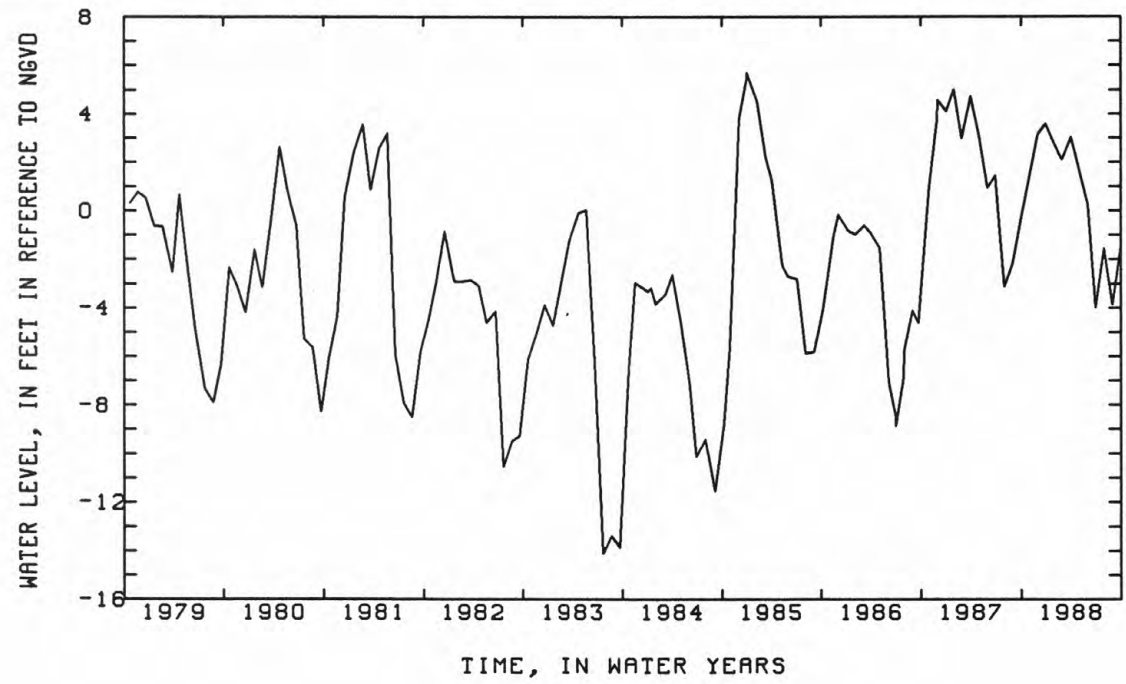
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 29	15.09	JUL 18	14.89	SEP 7	15.17	SEP 20	15.05				

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, Bellrose. 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	3.11	JAN 31	2.75	MAR 31	3.01	JUN 30	-3.97	AUG 31	-3.89	SEP 30	-1.43
DEC 31	3.58	FEB 29	2.09	JUN 2	0.27	JUL 31	-1.55				



QUEENS COUNTY--Continued

403454073495602. Local number, Q 1071.2
LOCATION.--Lat 40°34'54", long 73°49'56", Hydrologic Unit 02030202, at Mark's Avenue, Rockaway Park.
Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation 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 pipe, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	3.83	MAR 4	4.96	JUN 29	3.09	JUL 19	2.49	AUG 30	2.57	SEP 28	2.33

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 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 steel reducer, 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, 6.69 ft NGVD, April 18, 1969; lowest measured, 2.26 ft NGVD, June 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	5.91	JUN 14	6.58	JUN 28	6.34	JUL 19	6.02	AUG 30	6.12	SEP 28	6.08

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 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 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 1.76 above land-surface datum.
PERIOD OF RECORD.--November 20, 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, 6.16 ft NGVD, March 12, 1979; lowest measured, 1.86 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	5.12	JUN 14	5.87	JUN 28	5.57	JUL 19	5.20	AUG 30	5.27	SEP 28	5.22

QUEENS COUNTY--Continued

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 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 1.25 in 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, 4.73 ft NGVD, March 5, 1987; lowest measured, -4.55 ft NGVD, July 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	3.94	APR 1	4.17	JUN 29	3.57	JUL 19	3.07	AUG 30	3.82	SEP 28	3.69
MAR 31	4.01	JUN 14	4.04								

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 observation well, diameter 1.5 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 14	11.01	JUN 30	11.04	JUL 18	11.26	AUG 22	11.00	SEP 19	11.06		

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 observation 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 2 in coupling, 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, 3.52 ft NGVD, September 19, 1988; lowest measured, -12.80 ft NGVD, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 13	3.07	JUN 30	3.27	JUL 18	3.01	AUG 22	2.81	SEP 19	3.52		

QUEENS COUNTY--Continued

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 observation well, diameter 2.5 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 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, 4.36 ft NGVD, January 6, 1987; lowest measured, -3.40 ft NGVD, May 25, 1959.

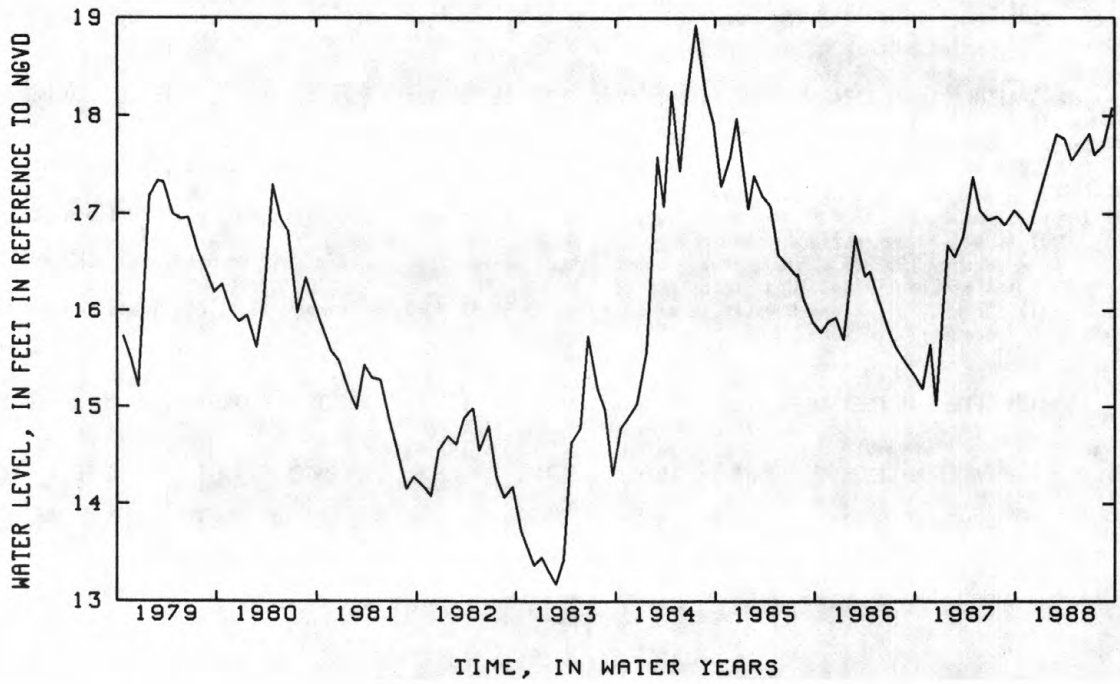
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 31	3.86	JUN 14	4.16	JUN 29	4.24	JUL 19	3.93	AUG 30	4.14	SEP 28	4.07

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 observation well, diameter 1.25 in, depth 17 ft, screen assumed at bottom.
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 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, 21.99 ft NGVD, April 26, 1961; lowest measured, 13.18 ft NGVD, February 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

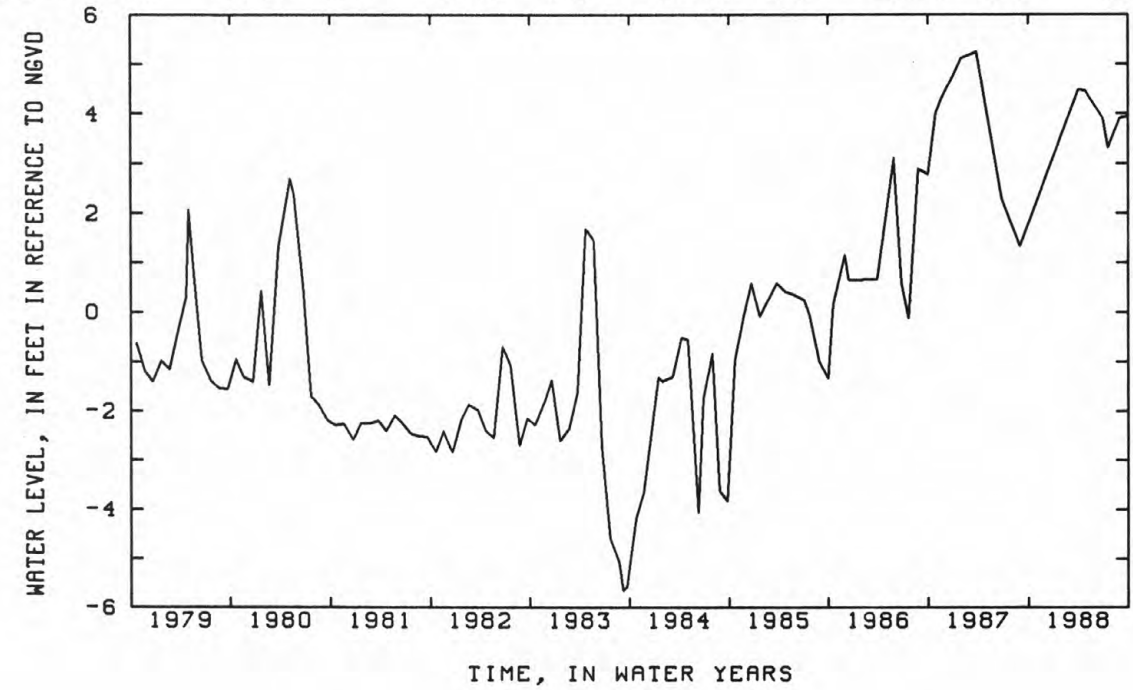
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	16.94	MAR 1	17.81	APR 26	17.55	JUL 18	17.60	AUG 22	17.70	SEP 20	18.08
NOV 23	16.83	31	17.76	JUN 29	17.82						



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 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 nipple, 1.21 ft above land-surface datum.
PERIOD OF RECORD.--October 1964 to current year. Unpublished records from October 1964 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.25 ft NGVD, March 26, 1987; 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 1	4.48	APR 26	4.47	JUN 29	3.92	JUL 19	3.33	AUG 30	3.92	SEP 28	3.94



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 observation 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 10	55.04	JUN 29	53.54	JUL 18	53.22	AUG 22	53.52	SEP 20	54.71		

QUEENS COUNTY--Continued

404003073462201. Local number, Q 2993.1
LOCATION.--Lat 40°40'03", long 73°46'22", Hydrologic Unit 02030202, at North Conduit, St. Albans. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 72 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 15.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft above land-surface datum.
PERIOD OF RECORD.--October 1966 to current year. Unpublished records from October 1966 to September 1987 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.05 ft NGVD, March 12, 1979; lowest measured, 5.18 ft NGVD, July 5, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 19	6.21	AUG 30	6.68	SEP 28	6.52						

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 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 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, 2.83 ft NGVD, January 6, 1987; lowest measured, -1.32 ft NGVD, September 26, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	2.52	JUN 14	2.72	JUN 29	2.42	JUL 19	2.15	AUG 30	2.36	SEP 28	2.73
MAR 31	2.22										

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	2.57	JUN 14	3.09	JUN 29	2.97	JUL 19	2.91	AUG 30	3.06	SEP 28	2.92
MAR 31	2.66										

QUEENS COUNTY--Continued

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 10	24.01	JUN 29	23.97	JUL 18	23.84	AUG 22	24.05	SEP 19	23.97		

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 10	13.22	JUN 29	13.13	JUL 18	13.03	AUG 22	13.24	SEP 19	13.14		

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 13	6.82	JUN 29	6.74	JUL 18	6.71	AUG 22	6.85	SEP 20	6.83		

QUEENS COUNTY--Continued

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 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 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, 9.34 ft NGVD, August 27, 1984; lowest measured, 6.08 ft NGVD, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	8.88	MAR 31	9.13	JUN 29	9.15	JUL 18	9.08	AUG 22	9.03	SEP 19	9.04
NOV 23	8.89	APR 26	9.03								

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 observation well, diameter 2.0 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 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, 13.08 ft NGVD, June 27, 1984; lowest measured, 9.62 ft NGVD, May 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 14	11.81	JUN 30	11.70	JUL 18	11.49	AUG 22	11.85	SEP 19	12.09		

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 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 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, 11.82 ft NGVD, June 30, 1988; lowest measured, 7.28 ft NGVD, March 2, 1984.

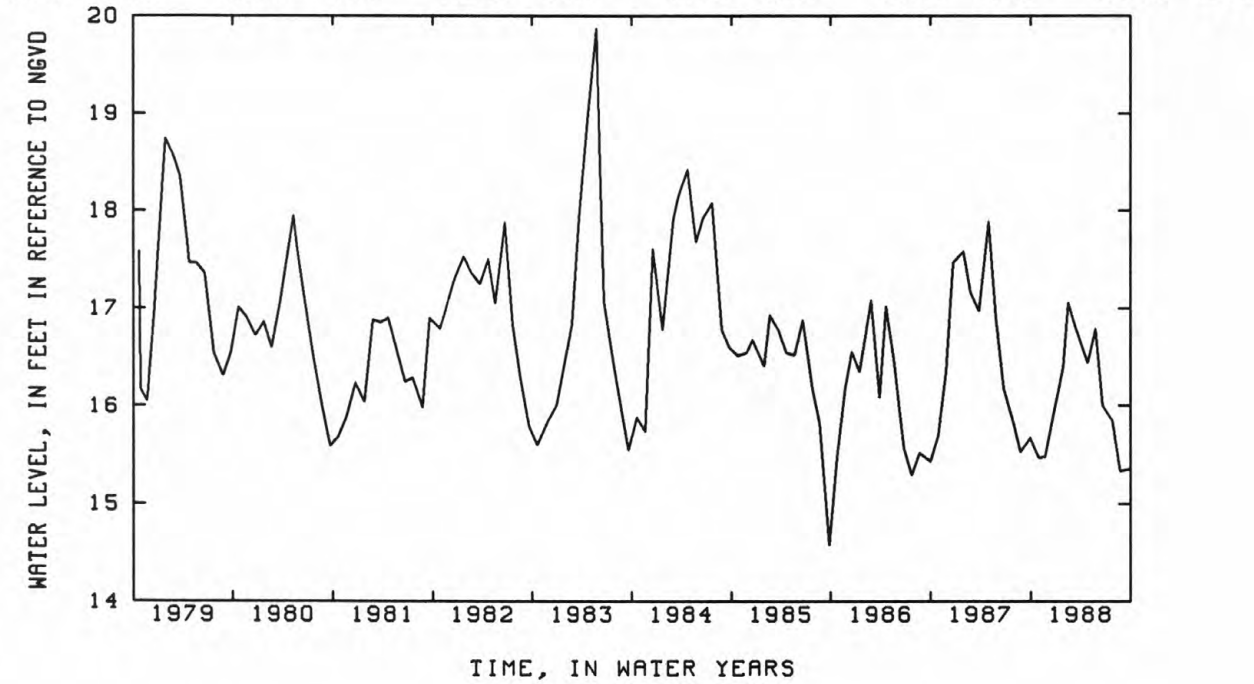
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 13	11.81	JUN 30	11.82	JUL 18	11.65	AUG 22	11.65	SEP 19	11.73		

404213073201001. Local number, S 1803.4
LOCATION.--Lat 40°42'13", long 73°20'10", Hydrologic Unit 02030202, at Little East Neck Road and State Highway 109, Babylon. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 casing, 0.08 ft above land-surface datum.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records from October 1912 to November 1914, August and September 1932, June 1936 to September 1975, are available in files of Long Island Subdistrict office.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	15.47	DEC 23	15.91	FEB 16	17.06	APR 26	16.44	JUN 21	16.00	AUG 24	15.33
NOV 23	15.48	JAN 28	16.39	MAR 16	16.79	MAY 26	16.79	JUL 25	15.85	SEP 26	15.35

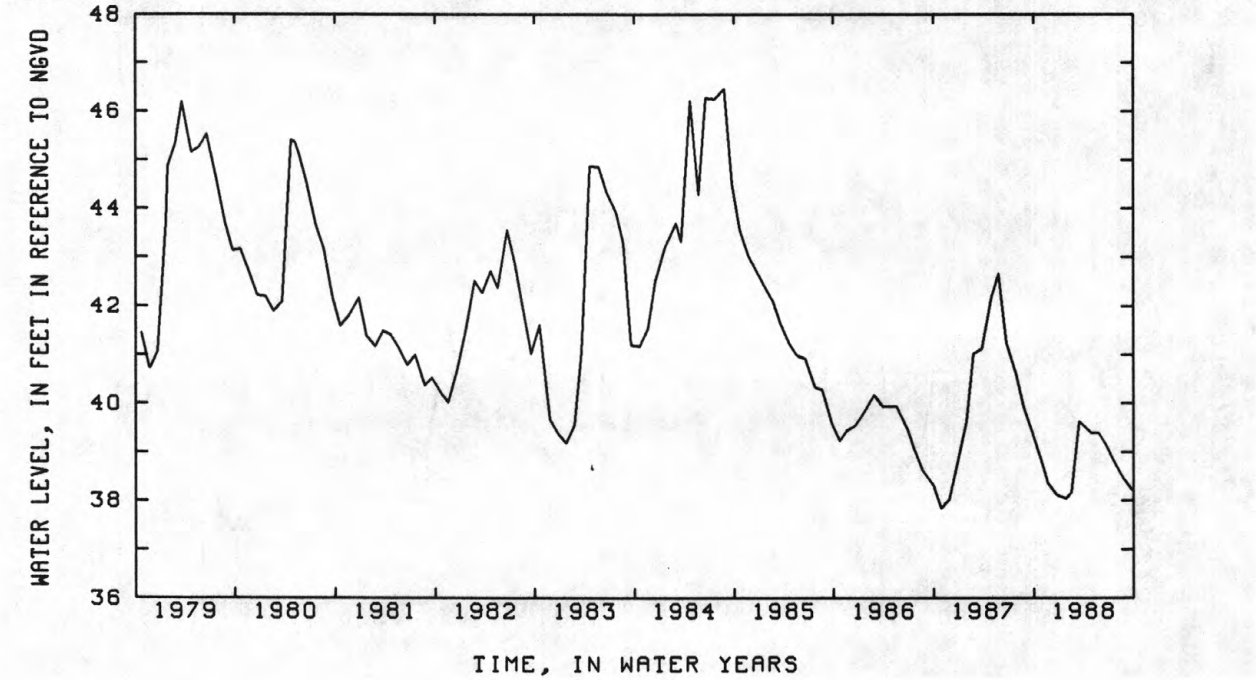


SUFFOLK COUNTY--Continued

404301073240901. Local number, S 1805.4
LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at State Highway 109 and Albany Road, Maywood.
Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 casing, 2.22 ft above land-surface datum.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records from October 1912 to September 1975 are available in files of Long Island Subdistrict office.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	38.81	DEC 23	38.11	FEB 16	38.17	APR 26	39.39	JUN 21	39.16	AUG 25	38.44
NOV 23	38.35	JAN 28	38.04	MAR 16	39.62	MAY 26	39.39	JUL 25	38.75	SEP 26	38.20

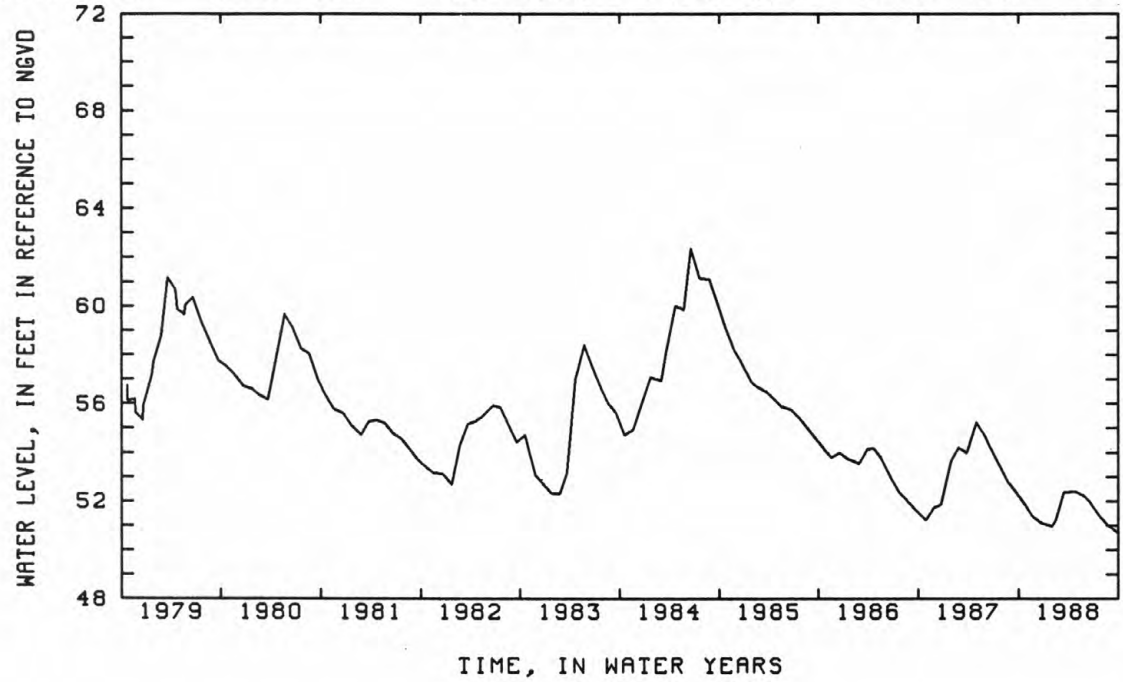


SUFFOLK COUNTY--Continued

404442073240501. Local number, S 1806.3
LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at Conklin Street and Wellwood Avenue, Pinelawn. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 casing, 0.49 ft below land-surface datum.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, May to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft NGVD, June 20, 1984; lowest measured, 50.73 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	51.79	DEC 23	51.10	FEB 16	51.27	APR 26	52.38	JUN 21	51.93	AUG 24	50.99
NOV 23	51.37	FEB 2	50.97	MAR 16	52.36	MAY 26	52.22	JUL 25	51.37	SEP 26	50.73

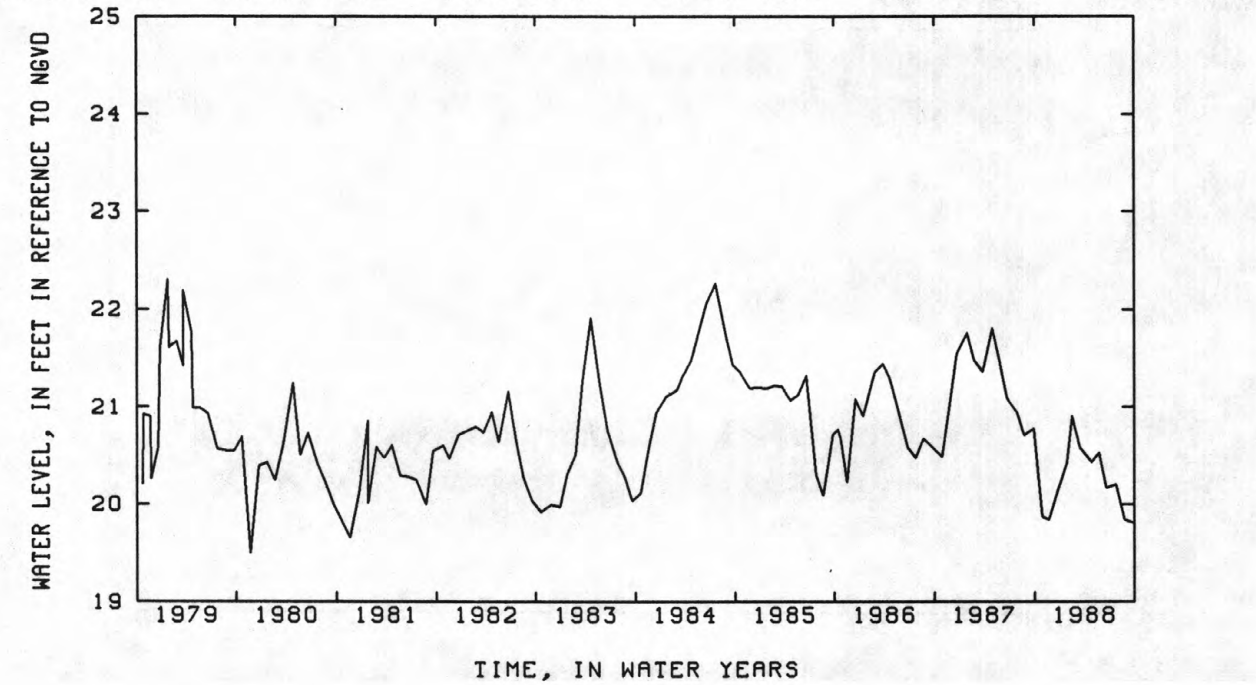


SUFFOLK COUNTY--Continued

404319073184601. Local number, S 1807.5
LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at Higbie Lane and Martin Drive, West Islip.
Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 casing, 0.97 ft above land-surface datum.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.06 ft NGVD, September 30, 1938; lowest measured, 17.27 ft NGVD, July 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	19.87	DEC 23	20.12	FEB 16	20.91	APR 26	20.43	JUN 21	20.17	AUG 25	19.84
NOV 23	19.84	JAN 28	20.43	MAR 16	20.58	MAY 26	20.53	JUL 25	20.20	SEP 26	19.81

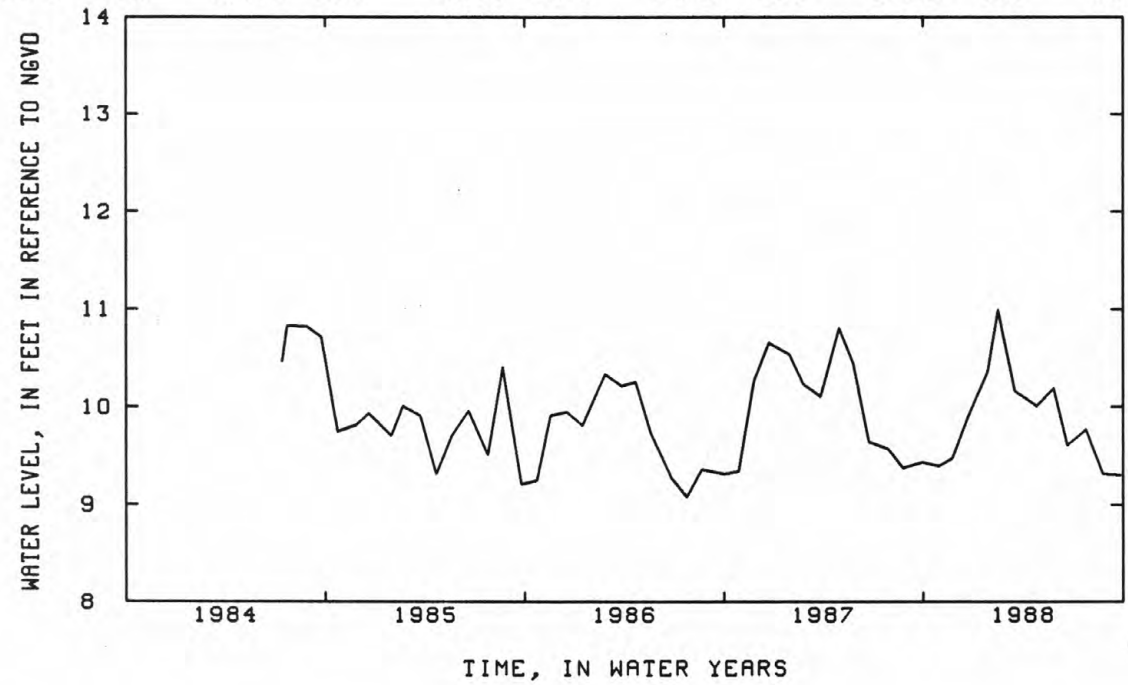


SUFFOLK COUNTY--Continued

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 observation well, diameter 1.25 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 casing, 0.29 ft below land-surface datum.
REMARKS.--Replaced well S 1808.3 in June 1984 at same location. Unpublished records from October 1912 to September 1975 are available in files of Long Island Subdistrict office.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft NGVD, July 23, 1984; lowest measured, 9.08 ft NGVD, July 24, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	9.39	DEC 23	9.91	FEB 16	10.99	APR 26	10.01	JUN 21	9.61	AUG 25	9.31
NOV 23	9.47	JAN 28	10.37	MAR 16	10.16	MAY 26	10.19	JUL 25	9.77	SEP 26	9.30

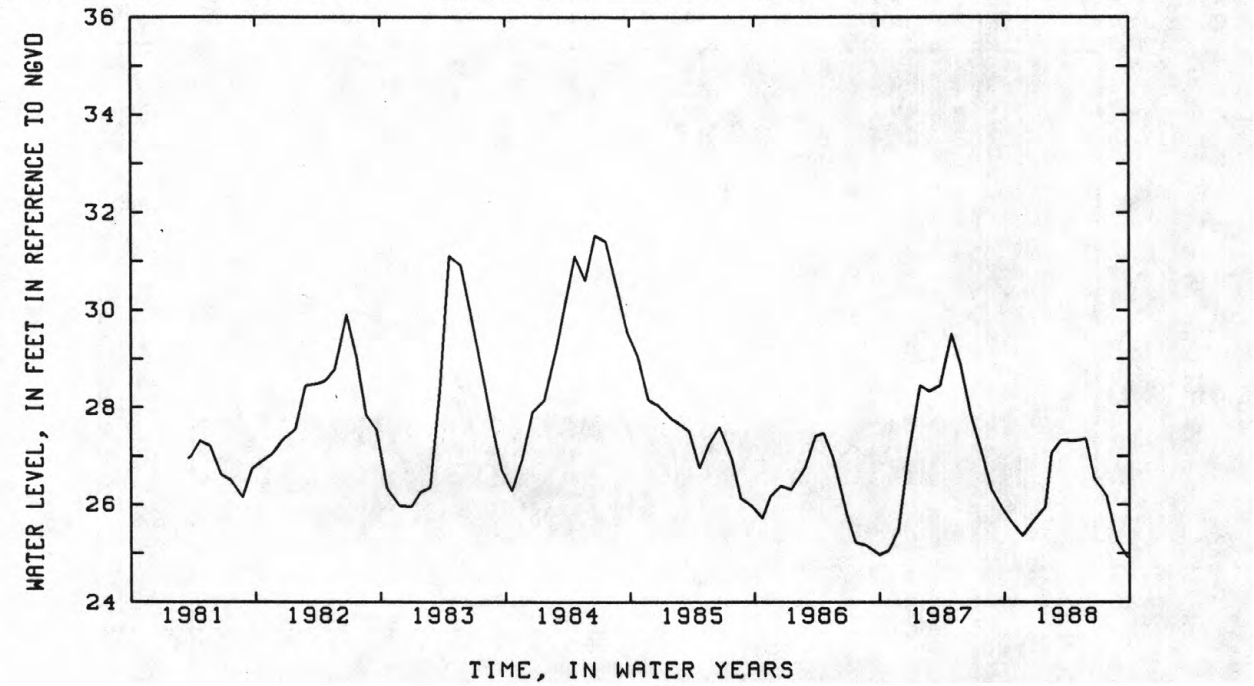


SUFFOLK COUNTY--Continued

404351073164901. Local number, S 1809.4
LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at Manor Lane and Muncey Road, Bay Shore.
Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.2 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 casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.77 ft NGVD, April 26, 1979; lowest measured, 24.92 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

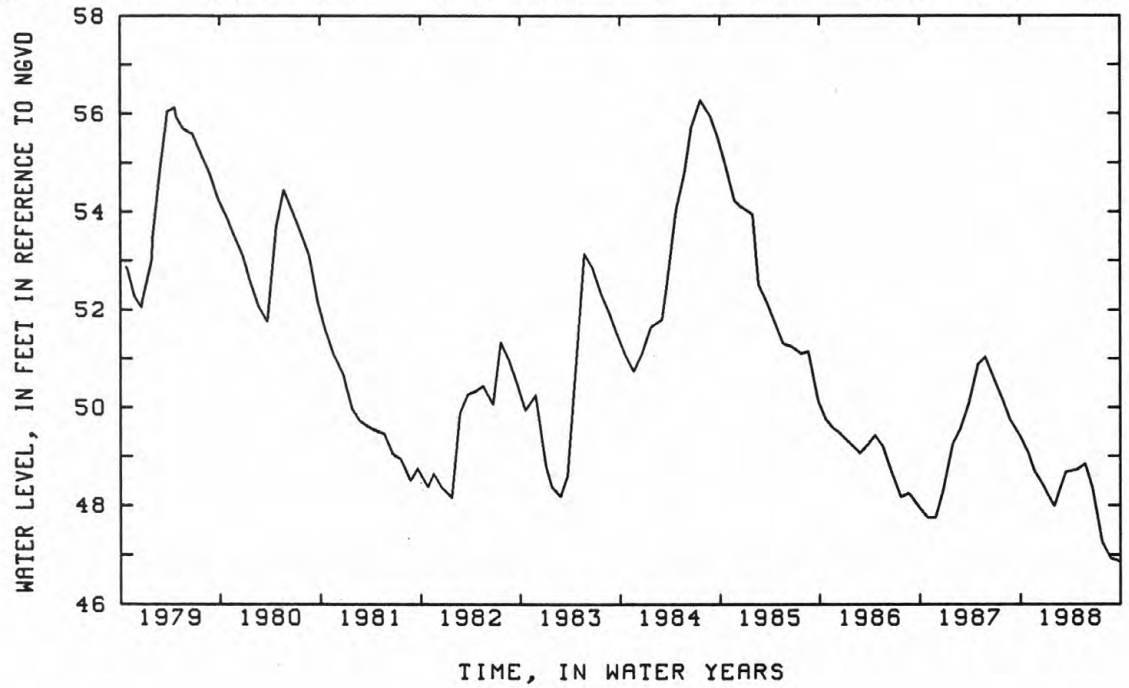
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	25.57	DEC 23	25.64	FEB 16	27.06	APR 26	27.31	JUN 21	26.55	AUG 25	25.26
NOV 23	25.36	JAN 28	25.94	MAR 16	27.32	MAY 26	27.35	JUL 25	26.18	SEP 26	24.92



404614073164401. Local number, S 1810.4
LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at Gardiner and Pine Aire Drives, Pine Aire.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 coupling, 0.35 ft below land-surface datum.
PERIOD OF RECORD.--October 1912 to November 1914, August 1932 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.28 ft NGVD, July 23, 1984; lowest measured, 43.30 ft NGVD, February 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	49.08	DEC 23	48.42	FEB 16	48.22	APR 26	48.73	JUN 21	48.36	AUG 25	46.93
NOV 24	48.70	FEB 2	47.98	MAR 16	48.67	MAY 26	48.85	JUL 25	47.26	SEP 26	46.87



404957073073401. Local number, S 1811.2
LOCATION.--Lat 40°49'57", long 73°07'34", Hydrologic Unit 02030202, at Shore Road, Lake Ronkonkoma.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 21.2 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 casing, 0.77 ft below land-surface datum.
PERIOD OF RECORD.--April 1937 to current year. Unpublished records from April 1937 to September 1978 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.21 ft NGVD, June 6, 1979; lowest measured, 50.63 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	54.11	DEC 17	55.73	FEB 23	54.58	APR 26	54.38	JUN 20	54.02	AUG 23	53.34
NOV 27	54.04	JAN 29	54.42	MAR 21	54.59	MAY 24	54.45	JUL 21	53.88	SEP 30	53.29

SUFFOLK COUNTY--Continued

404958073085001. Local number, S 1812.3
LOCATION.--Lat 40°49'58", long 73°08'50", Hydrologic Unit 02030202, at Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 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, 42.77 ft NGVD, September 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	44.36	DEC 17	44.18	FEB 23	44.24	APR 26	44.67	JUN 20	44.03	AUG 23	42.79
NOV 27	44.07	JAN 29	43.86	MAR 21	44.50	MAY 24	44.60	JUL 21	43.82	SEP 21	42.77

404737073112303. Local number, S 1814.3
LOCATION.--Lat 40°47'37", long 73°11'23", Hydrologic Unit 02030202, at Suffolk Avenue and Dovecote Lane, Central Islip. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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.--May 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.

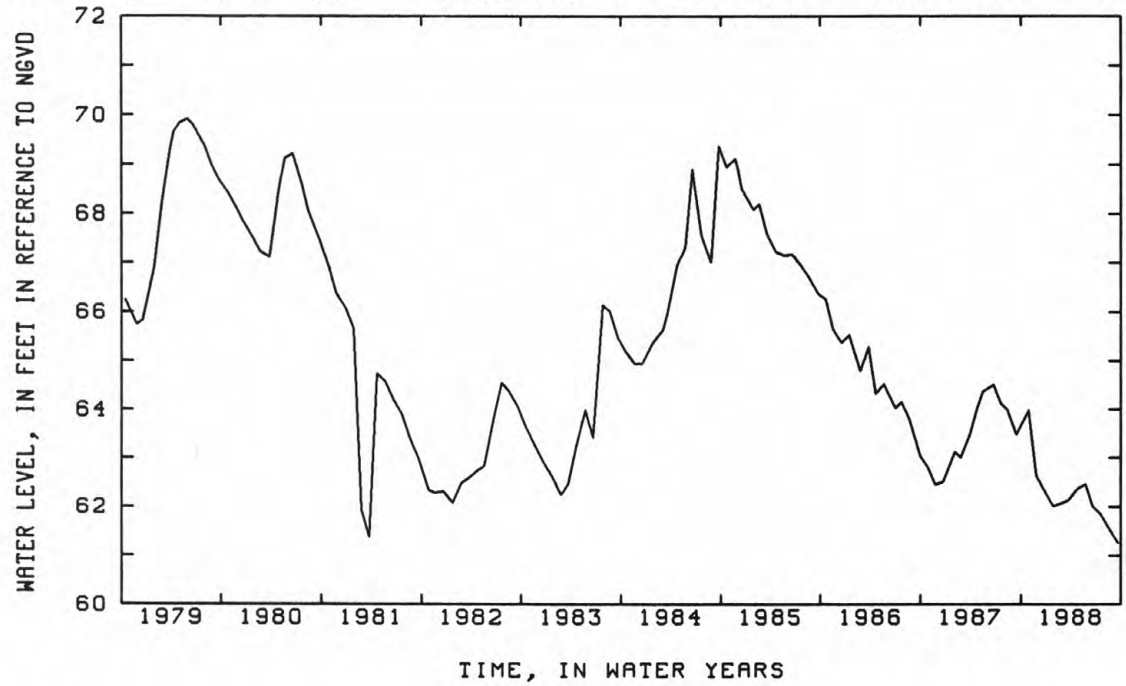
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	36.27	JAN 25	35.97	MAR 24	36.60	MAY 23	36.69	JUL 22	35.85	SEP 27	35.15
NOV 25	36.03	FEB 25	36.54	APR 25	36.67	JUN 20	36.16	AUG 22	35.22		

405146073031801. Local number, S 3513.1
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at State Highway 25 and High View Drive, Selden. Owner: New York Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled unused well, diameter 8 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	63.98	DEC 17	62.44	FEB 23	62.06	APR 26	62.37	JUN 20	61.99	AUG 23	61.51
NOV 27	62.64	JAN 29	62.01	MAR 21	62.13	MAY 24	62.46	JUL 21	61.83	SEP 21	61.26

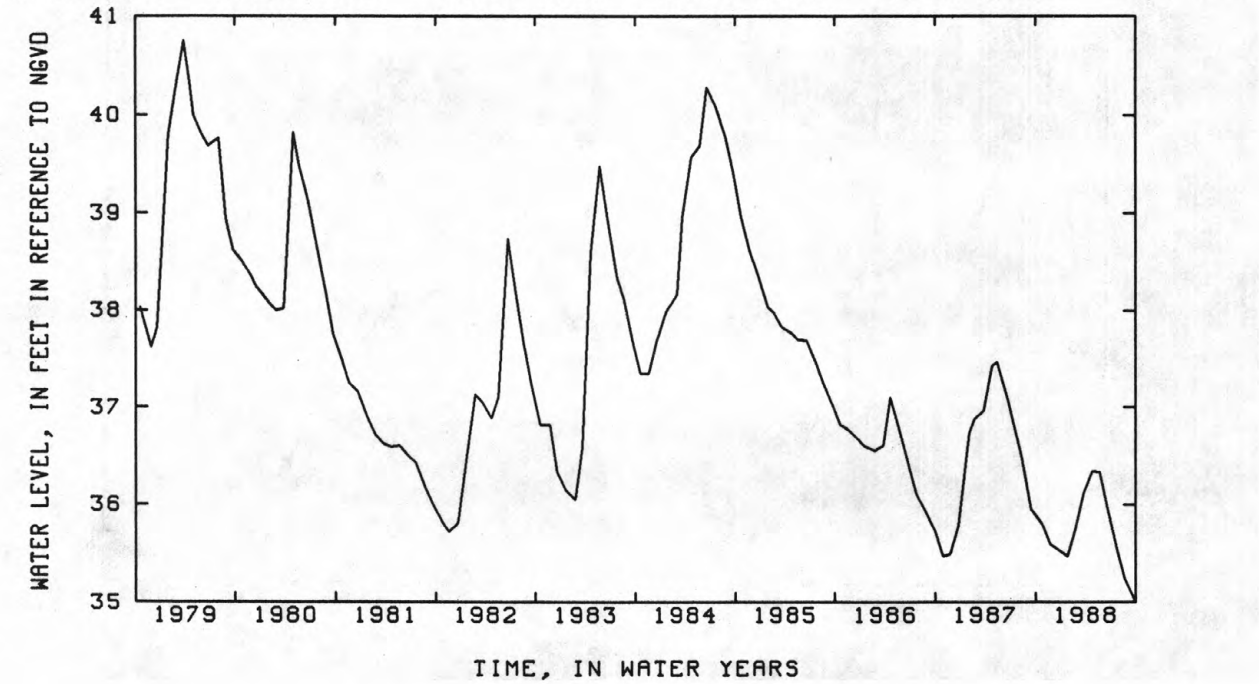


SUFFOLK COUNTY--Continued

404812073004101. Local number, S 3521.1
LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at Medford Avenue, near Cedar Avenue, Medford.
Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 casing, 0.57 ft above land-surface datum.
PERIOD OF RECORD.--January 1907 to current year. Unpublished records from January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft NGVD, March 27, 1979; lowest measured, 34.38 ft NGVD, October 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	35.79	JAN 25	35.47	MAR 24	36.12	MAY 23	36.33	JUL 22	35.56	SEP 27	35.02
NOV 25	35.59	FEB 25	35.75	APR 25	36.34	JUN 20	35.96	AUG 22	35.25		

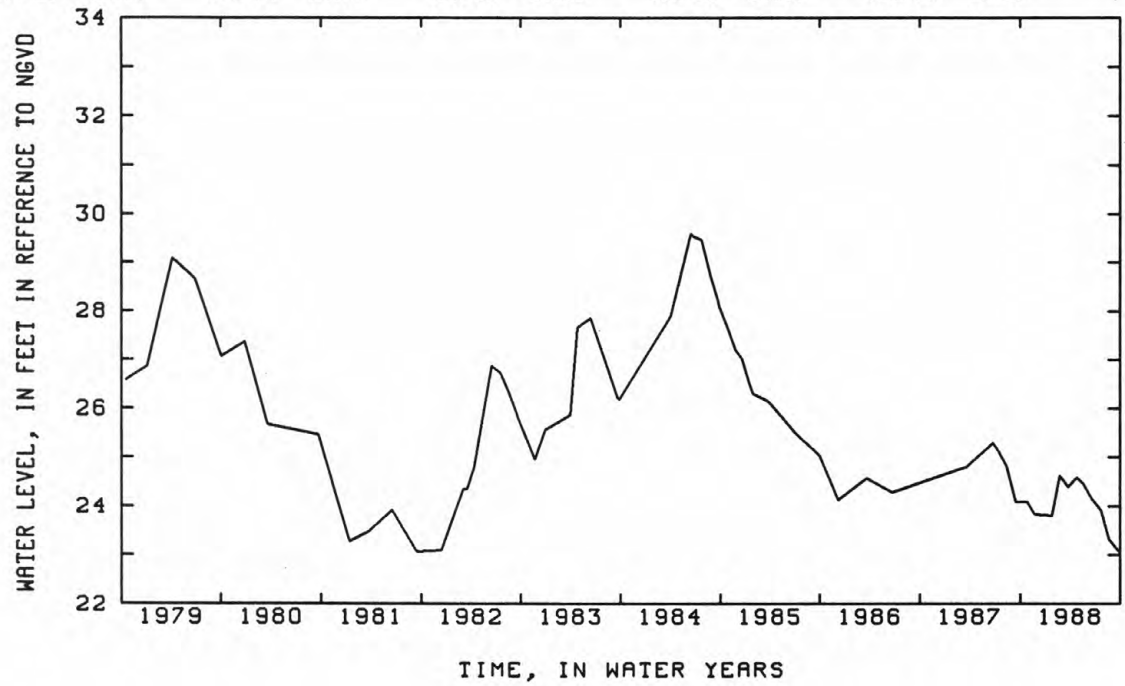


SUFFOLK COUNTY--Continued

404806072553802. Local number, S 3529.2
LOCATION.--Lat 40°48'01", long 72°55'38", Hydrologic Unit 02030202, at Brookhaven Landfill on Horseblock Road, South Yaphank. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 23.05 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	24.08	JAN 25	23.80	MAR 24	24.39	MAY 23	24.43	JUL 22	23.90	SEP 27	23.05
NOV 25	23.83	FEB 25	24.62	APR 25	24.59	JUN 20	24.14	AUG 22	23.31		

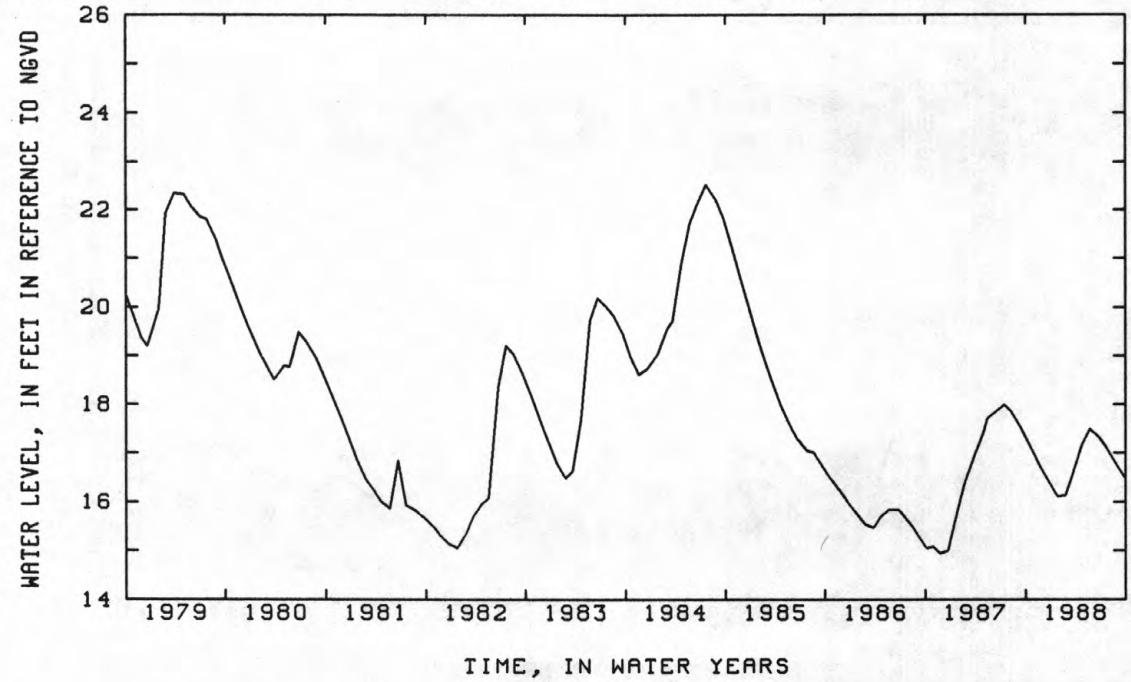


SUFFOLK COUNTY--Continued

405037072390301. Local number, S 3543.1
LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Old Riverhead Road and main entrance to Suffolk County Airport, Westhampton. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	17.05	JAN 25	16.11	MAR 24	16.64	MAY 23	17.49	JUL 22	17.11	SEP 27	16.49
NOV 25	16.71	FEB 25	16.12	APR 25	17.17	JUN 20	17.36	AUG 22	16.83		



405145072592501. Local number, S 3870.1
LOCATION.--Lat 40°51'45", long 72°55'38", Hydrologic Unit 02030202, at Coram Yaphank and Overton Roads, Coram. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 casing, 1.11 ft above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.86 ft NGVD, June 27, 1979; lowest measured, 49.54 ft NGVD, October 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

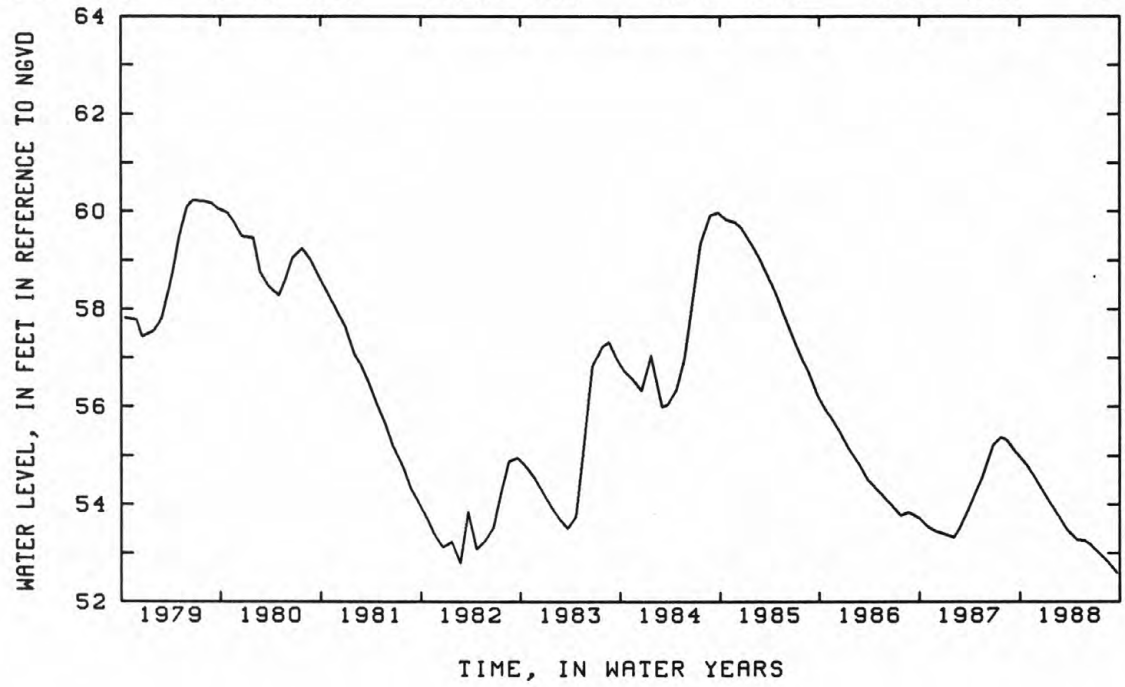
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	54.23	DEC 17	53.79	FEB 23	53.38	APR 26	53.48	JUN 20	53.30	AUG 23	52.77
NOV 27	53.95	JAN 29	53.43	MAR,21	53.40	MAY 24	53.47	JUL 21	53.06	SEP 21	52.50

SUFFOLK COUNTY--Continued

405343073055004. Local number, S 3955.4
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at Pond Path and Mark Tree Roads, Setauket.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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, 52.60 ft NGVD, September 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	54.78	DEC 17	54.36	FEB 23	53.75	APR 26	53.28	JUN 20	53.16	AUG 23	52.79
NOV 27	54.54	JAN 29	53.97	MAR 21	53.48	MAY 24	53.26	JUL 21	52.98	SEP 21	52.60

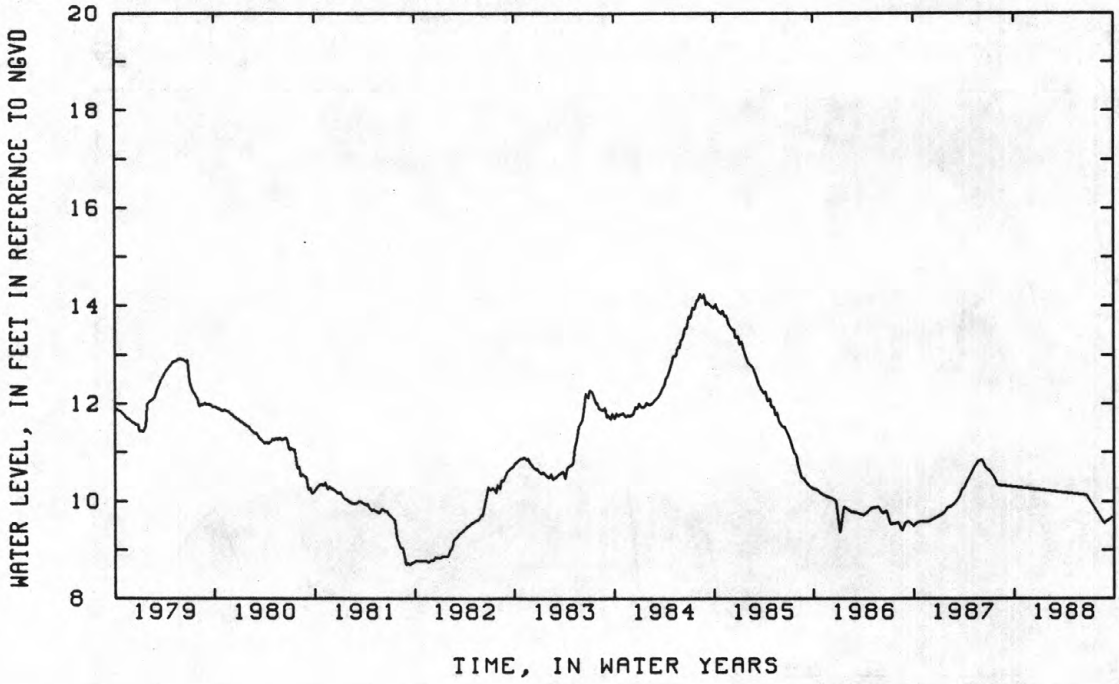


SUFFOLK COUNTY--Continued

405743072425701. Local number, S 4271.1
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Sound Avenue, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 24	10.13	AUG 26	9.55	SEP 23	9.66						



405607072393502. Local number, S 4523.2
LOCATION.--Lat 40°56'07", long 72°39'35", Hydrologic Unit 02030202, at Northville Turnpike and Old Country Road, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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.

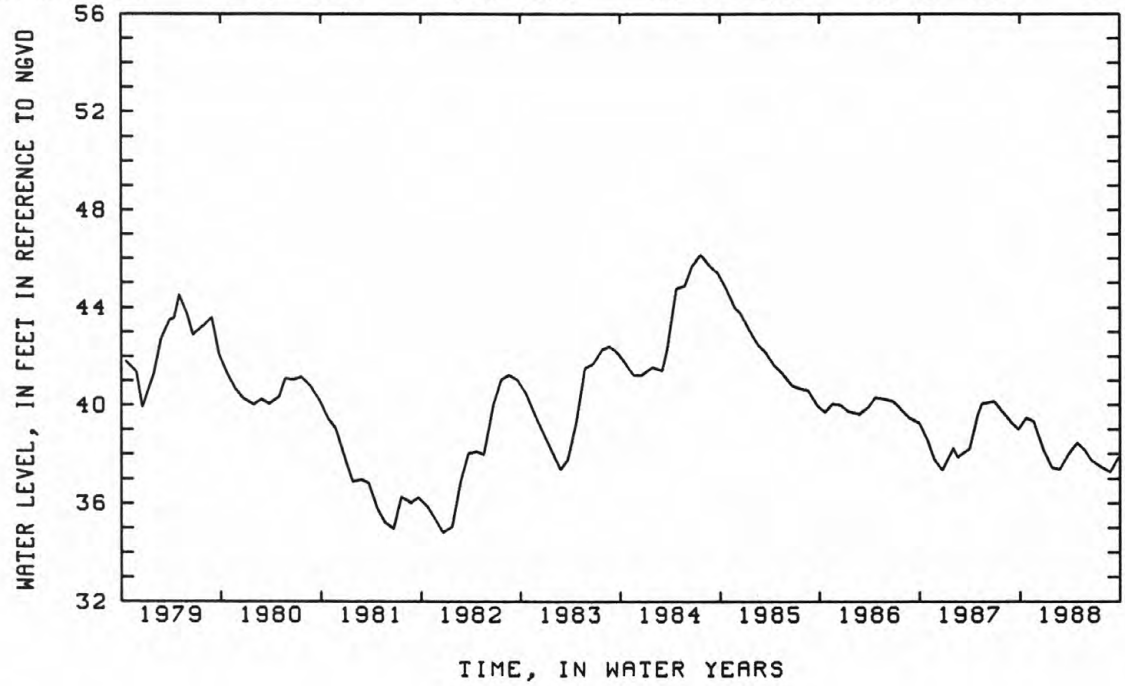
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.60	DEC 28	8.90	FEB 23	9.76	APR 27	9.41	JUN 20	8.89	AUG 26	7.93
NOV 20	8.83	JAN 29	9.16	MAR 22	9.48	MAY 25	9.35	JUL 25	8.62	SEP 23	7.87

405149072532201. Local number, S 5517.1
LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at Upton Road and Princeton Avenue, Upton.
Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	39.47	DEC 28	38.15	FEB 23	37.38	APR 27	38.45	JUN 20	37.71	AUG 26	37.28
NOV 20	39.38	JAN 29	37.44	MAR 22	37.92	MAY 25	38.16	JUL 25	37.47	SEP 23	37.85

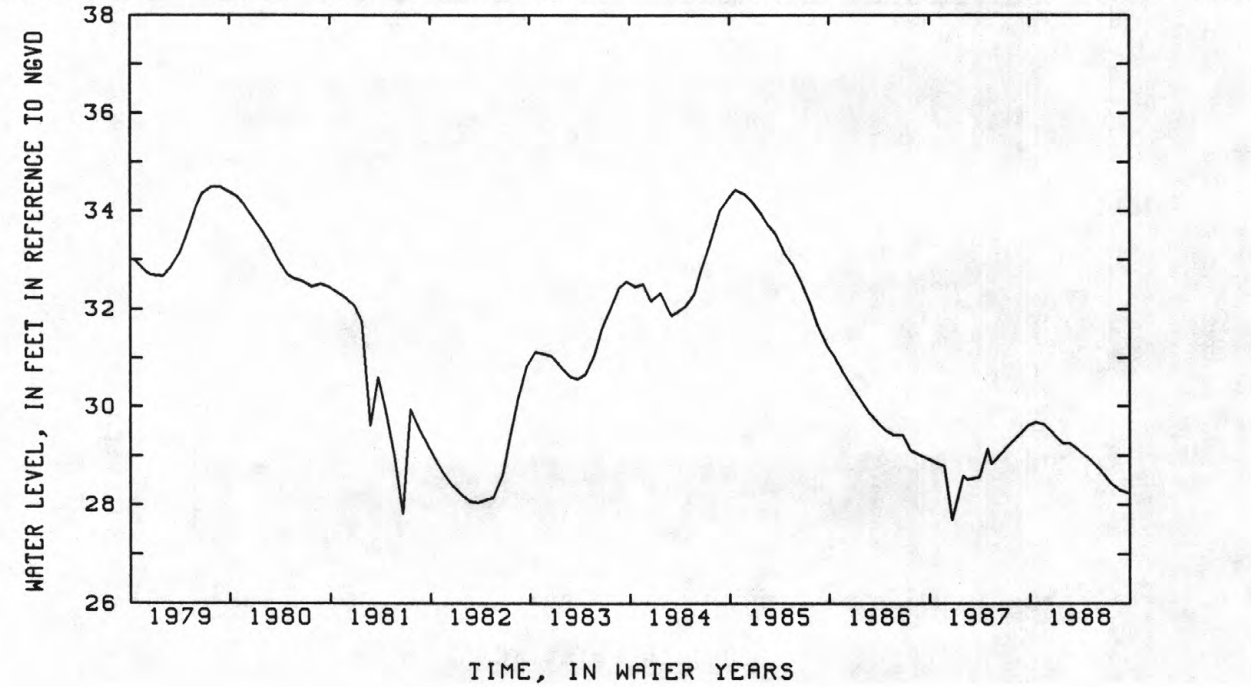


SUFFOLK COUNTY--Continued

405650072541801. Local number, S 6411.1
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at State Road 25A and Ridge Road, Shoreham.
Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 28 and August 28, 1979; lowest measured, 25.15 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

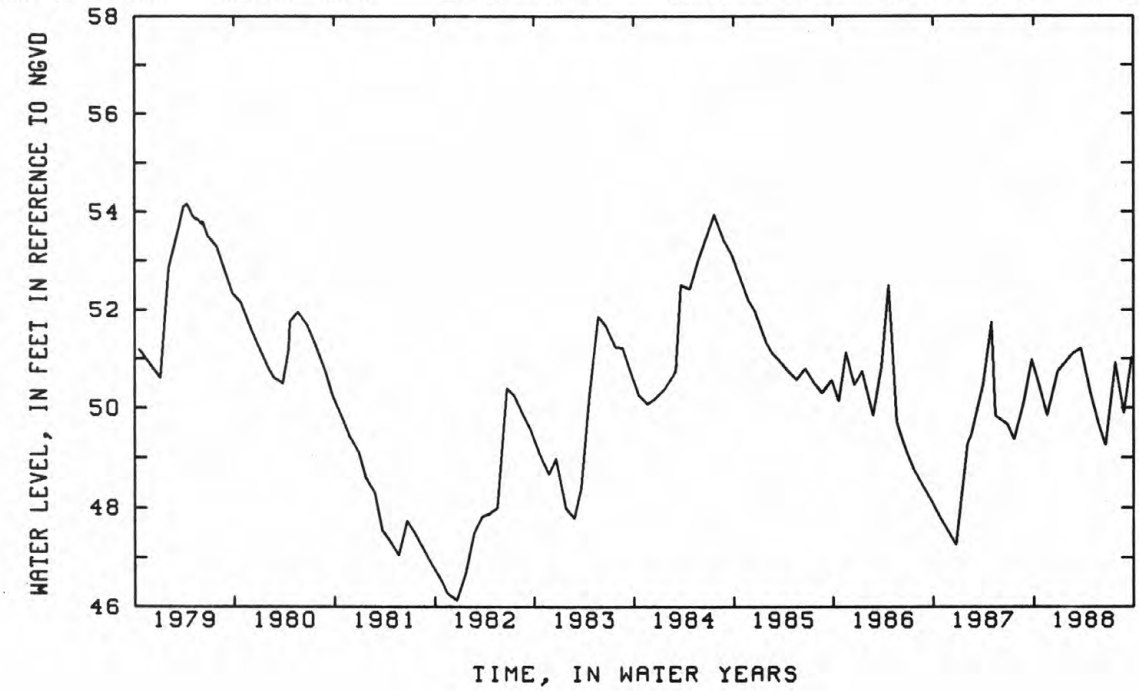
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	29.68	DEC 28	29.43	FEB 23	29.24	APR 27	28.97	JUN 20	28.66	AUG 26	28.28
NOV 20	29.64	JAN 29	29.24	MAR 22	29.13	MAY 25	28.82	JUL 25	28.42	SEP 23	28.23



405308072553101. Local number, S 6413.1
LOCATION.--Lat 40°53'08", long 72°55'31", Hydrologic Unit 02030202, at Middle Country Road east of Woodville Road, Middle Island. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 meter box rim at 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	50.44	DEC 28	50.73	FEB 23	51.12	APR 27	50.30	JUN 20	49.25	AUG 26	49.89
NOV 20	49.86	JAN 29	50.94	MAR 22	51.20	MAY 25	49.69	JUL 25	50.92	SEP 23	51.02



405222072523301. Local number, S 6431.1
LOCATION.--Lat 40°52'23", long 72°52'36", Hydrologic Unit 02030202, at Brookhaven National Laboratory, Ridge. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.34	DEC 28	40.26	FEB 23	41.56	APR 27	42.17	JUN 20	42.12	AUG 26	40.97
NOV 20	40.99	JAN 29	41.13	MAR 22	41.68	MAY 25	42.18	JUL 25	41.50	SEP 23	40.21

SUFFOLK COUNTY--Continued

405223072523401. Local number, S 6434.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation 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: Top of 2 in nipple, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	30.87	DEC 28	30.71	FEB 23	30.08	APR 27	30.99	JUN 20	30.62	AUG 26	28.88
NOV 20	31.14	FEB 23	30.86	MAR 22	31.54	MAY 25	30.76	JUL 25	30.93	SEP 23	30.07

405223072493201. Local number, S 6441.1
LOCATION.--Lat 40°52'23", long 72°49'32", Hydrologic Unit 02030202, at Wading River Road and North Street, Manorville. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	35.41	DEC 28	35.88	FEB 23	37.32	APR 27	36.96	JUN 20	36.24	AUG 26	34.92
NOV 20	35.65	JAN 29	36.24	MAR 22	36.84	MAY 25	36.74	JUL 25	35.64	SEP 23	34.66

405223072523403. Local number, S 6455.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	36.70	DEC 28	36.46	FEB 23	36.78	APR 27	37.21	JUN 20	36.98	AUG 26	36.02
NOV 20	36.93	JAN 29	36.04	MAR 22	36.85	MAY 25	37.25	JUL 25	36.41	SEP 23	35.85

SUFFOLK COUNTY--Continued

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 fire-protection well, diameter 1.25 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 of casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	1.36	DEC 28	1.19	FEB 23	1.63	APR 27	1.83	JUN 20	1.44	AUG 26	1.34
NOV 20	1.37	JAN 29	1.27	MAR 22	1.24	MAY 25	1.61	JUL 25	1.27	SEP 23	1.35

405835072325601. Local number, S 6558.1
LOCATION.--Lat 40°58'35", long 72°32'56", Hydrologic Unit 02030201, at Route 25, Mattituck. Owner: Mattituck Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 of casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.25	DEC 28	4.10	FEB 23	4.87	APR 27	5.27	JUN 20	4.82	AUG 26	4.05
NOV 20	4.02	JAN 29	4.07	MAR 22	5.03	MAY 25	5.05	JUL 25	4.40	SEP 23	3.97

405756072173501. Local number, S 8833.1
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at Toppings Path near Sag Harbor.
Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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, 18.47 ft NGVD, June 20, 1984; lowest measured, 12.84 ft NGVD, March 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

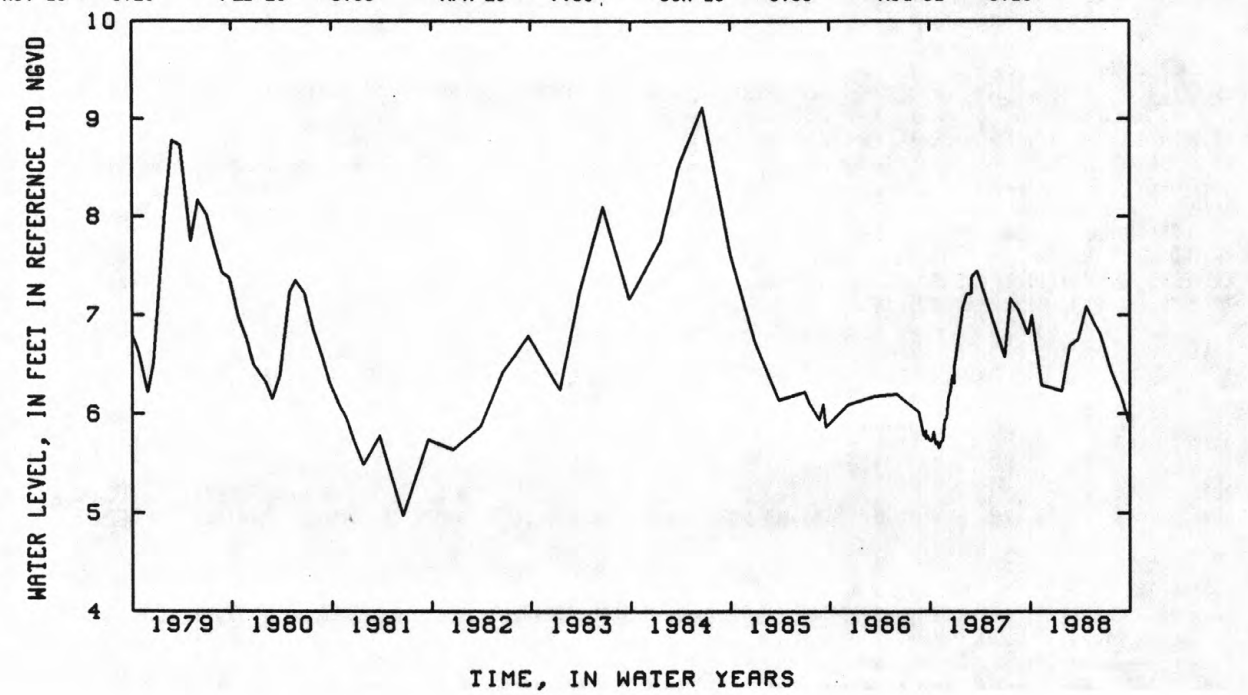
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	15.72	JAN 25	15.24	FEB 25	15.76	MAR 29	16.19	APR 27	16.17	MAY 26	16.21
13	15.71										

SUFFOLK COUNTY--Continued

405309072233101. Local number, S 8836.1
LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at Nugent Street and Windmill Lane, Southampton. Owner: Southampton Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 of casing, 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, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	7.00	JAN 25	6.23	MAR 24	6.75	MAY 23	6.92	JUL 22	6.44	SEP 26	5.92
NOV 13	6.29	FEB 25	6.68	APR 25	7.09	JUN 16	6.80	AUG 31	6.18		

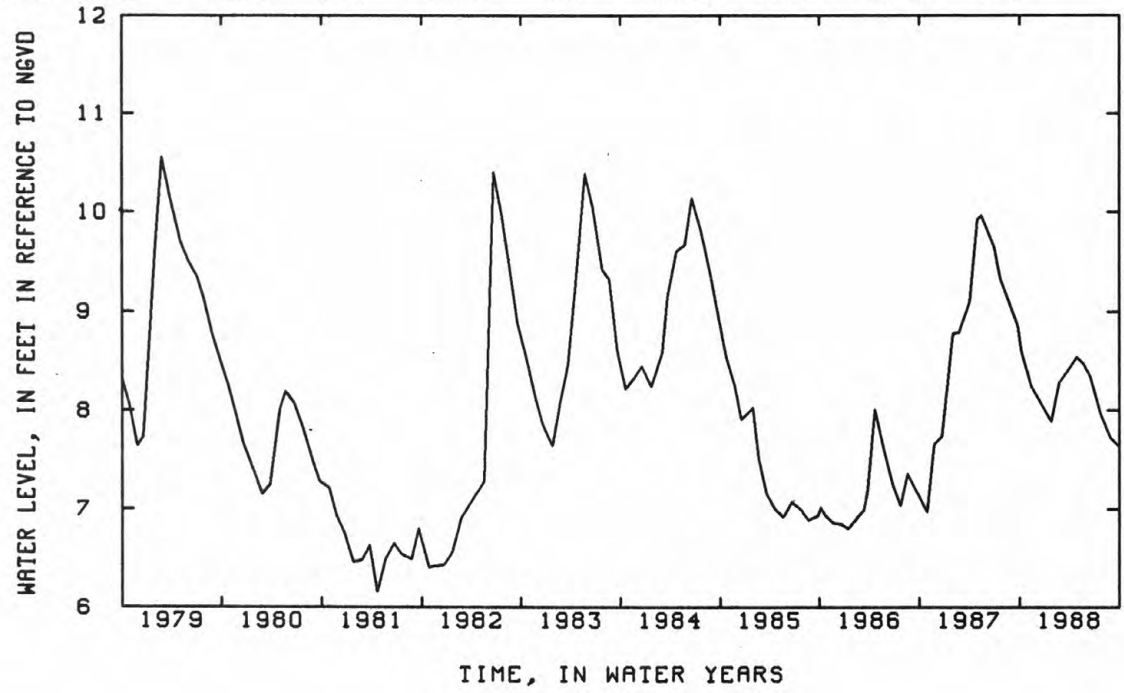


SUFFOLK COUNTY--Continued

405840072082301. Local number, S 8839.1
LOCATION.--Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at Windmill Lane and State Highway 27, Amagansett. Owner: D. Toler.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	8.59	JAN 25	7.89	MAR 29	8.42	MAY 25	8.46	JUL 22	7.97	SEP 26	7.64
NOV 13	8.25	FEB 25	8.28	APR 27	8.54	JUN 16	8.35	AUG 31	7.71		

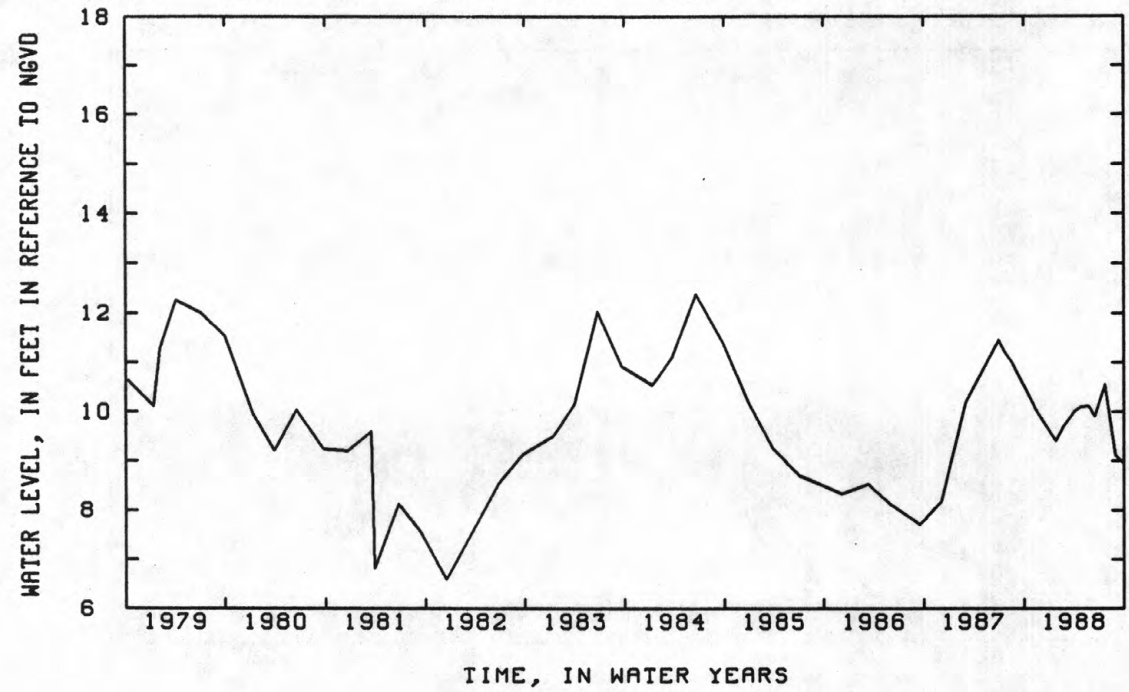


SUFFOLK COUNTY--Continued

405908072110001. Local number, S 8843.1
LOCATION.--Lat 40°59'08", long 71°11'00", Hydrologic Unit 02030202, at Three Mile Harbor Road, 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 iron 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	10.15	JAN 25	9.41	MAR 29	9.98	MAY 26	10.12	JUL 22	10.55	SEP 26	8.96
13	10.05	FEB 25	9.72	APR 27	10.11	JUN 16	9.91	AUG 31	9.13		



405907072172101. Local number, S 8844.1
LOCATION.--Lat 40°59'07", long 72°15'12", Hydrologic Unit 02030202, at Hempstead and Hampton Streets, Sag Harbor.
Owner: Sag Harbor Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 of casing, 1.48 ft above land-surface datum.
PERIOD OF RECORD.--August 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.46 ft NGVD, February 5, 1979; lowest measured, 4.43 ft NGVD, December 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	5.72	JAN 25	5.85	MAR 29	6.62	MAY 26	6.36	JUL 22	5.69	SEP 27	5.15
13	5.89	FEB 25	6.37	APR 27	6.49	JUN 16	6.14	AUG 31	5.45		

SUFFOLK COUNTY--Continued

405250073180801. Local number, S 15622.1
LOCATION.--Lat 40°52'50", long 73°18'08", Hydrologic Unit 02030201, at Pulaski Road and Rowena Lane, Northport.
Owner: Rottkamp.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation 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: Access hole at base of pump, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	38.96	DEC 17	38.90	FEB 23	38.56	APR 26	38.20	JUN 20	36.89	AUG 23	35.84
NOV 27	38.94	JAN 29	39.31	MAR 21	38.38	MAY 24	38.17	JUL 21	37.02	SEP 21	36.99

410634072223601. Local number, S 16783.2
LOCATION.--Lat 41°06'34", long 72°22'36", Hydrologic Unit 02030202, at North Road and Moore Lane, Greenport.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 28 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 casing, 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, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	1.81	DEC 28	1.91	FEB 23	2.97	APR 23	2.47	JUN 20	1.98	AUG 26	1.68
NOV 20	1.72	JAN 29	2.07	MAR 22	2.23	MAY 25	2.19	JUL 25	1.82	SEP 23	1.58

410858072171501. Local number, S 16787.1
LOCATION.--Lat 41°08'58", long 72°17'15", Hydrologic Unit 02030201, at State Highway Route 25, Orient.
Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 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.

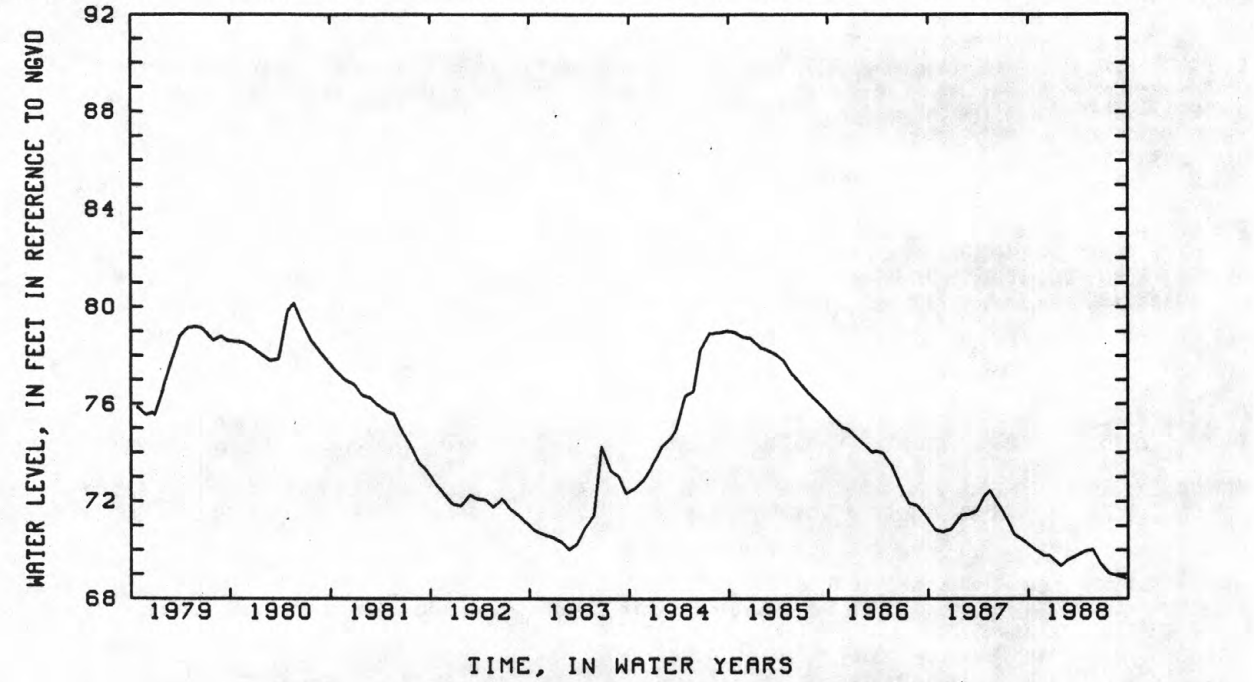
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	2.60	DEC 28	2.34	FEB 23	3.01	APR 27	3.44	JUN 20	3.01	AUG 26	1.31
NOV 20	2.41	JAN 29	2.57	MAR 22	3.09	MAY 25	3.29	JUL 25	2.62	SEP 23	2.21

404747073241501. Local number, S 16874.1
LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	69.99	DEC 17	69.79	FEB 23	69.60	APR 26	69.96	JUN 20	69.48	AUG 23	68.95
NOV 27	69.78	JAN 29	69.36	MAR 23	69.76	MAY 24	70.03	JUL 21	69.05	SEP 21	68.84



405034073140401. Local number, S 16881.1
LOCATION.--Lat 40°50'34", long 73°14'04", Hydrologic Unit 02030201, at Old Willets Path and Bridge Branch Road, Commack. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 29.27 ft NGVD, August 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	29.83	DEC 17	29.98	FEB 23	30.26	APR 26	30.16	JUN 20	29.78	AUG 24	29.27
NOV 27	29.69	JAN 29	29.86	MAR 21	30.18	MAY 24	30.08	JUL 21	29.47	SEP 21	29.28

SUFFOLK COUNTY--Continued

404528073114802. Local number, S 17987.2
LOCATION.--Lat 40°45'28", long 73°11'48", Hydrologic Unit 02030202, at Carleton Avenue, 260 ft north of Spur Drive, Islip Terrace. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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.

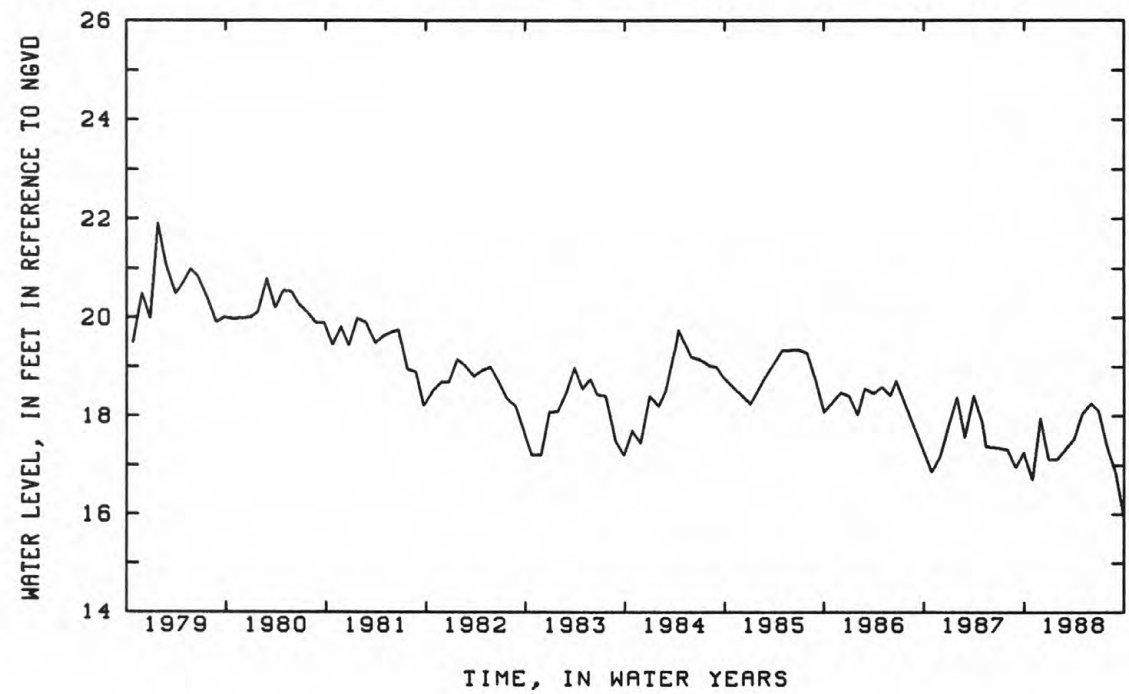
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	23.83	JAN 25	24.34	MAR 24	25.18	MAY 23	25.24	JUL 22	23.72	SEP 27	23.17
NOV 25	23.66	FEB 25	25.35	APR 25	25.29	JUN 20	24.66	AUG 22	23.13		

403727073154601. Local number, S 21091.1
LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 flange, 13.68 ft above land-surface datum.
PERIOD OF RECORD.--June 1962 to current year. Unpublished records from June 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	16.71	DEC 31	17.12	MAR 31	17.54	MAY 31	18.26	JUL 31	17.38	SEP 30	15.92
NOV 30	17.95	JAN 31	17.11	APR 30	18.03	JUN 30	18.10	AUG 31	16.86		

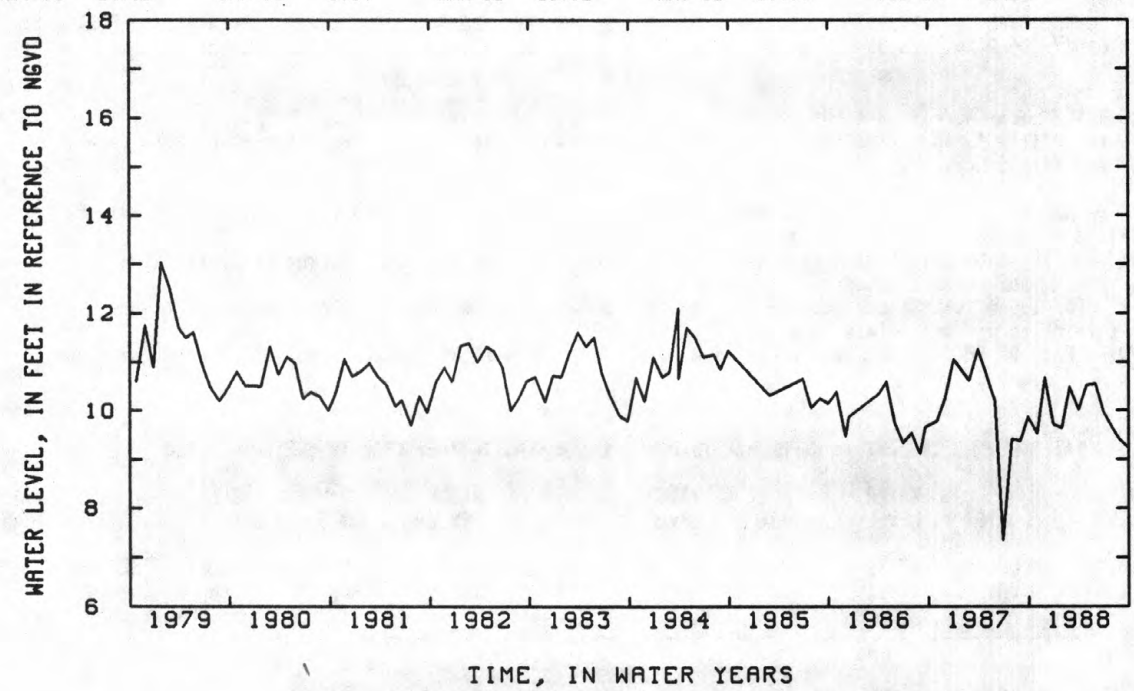


SUFFOLK COUNTY--Continued

403727073154503. Local number, S 21311.1
LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island.
Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 casing, 20.01 ft above land-surface datum.
PERIOD OF RECORD.--June 1962 to current year. Unpublished records from June 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	9.53	DEC 31	9.71	FEB 29	10.49	APR 30	10.52	JUN 30	9.99	AUG 31	9.38
NOV 30	10.68	JAN 31	9.64	MAR 31	10.02	MAY 31	10.55	JUL 31	9.68	SEP 30	9.23



404902073094001. Local number, S 22577.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Long Island Motor Parkway, near Nichols Road, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 14	40.18	JUN 20	39.21	JUL 21	38.59	AUG 23	37.93	SEP 21	38.35		

SUFFOLK COUNTY--Continued

404902073094002. Local number, S 22578.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Long Island Motor Parkway, near Nichols road, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 2 in 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 14	40.48	JUN 20	39.52	JUL 21	38.69	AUG 23	38.26	SEP 21	38.57		

404819073160303. Local number, S 24769.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 14	49.53	JUN 8	49.27	JUN 20	48.31	JUL 21	48.34	AUG 23	47.49	SEP 21	47.58

404829073161502. Local number, S 24770.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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.

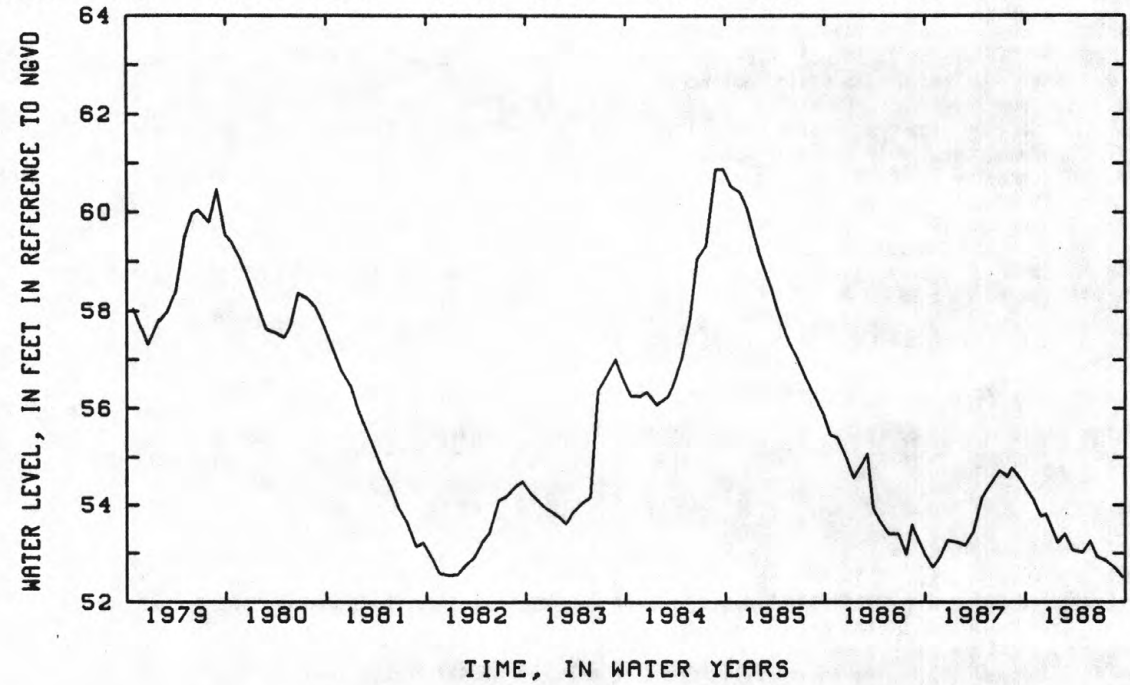
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 14	50.56	JUN 8	48.65	JUN 20	48.91	JUL 21	48.88	AUG 23	48.13	SEP 21	48.46

404820073160303. Local number, S 24771.1
LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	54.12	DEC 17	53.81	FEB 23	53.40	APR 26	53.02	JUN 20	52.93	AUG 23	52.71
NOV 27	53.78	JAN 29	53.22	MAR 21	53.06	MAY 24	53.26	JUL 21	52.86	SEP 21	52.51



405455073025802. Local number, S 31734.1
LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 1.25 in hole in reducer, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	40.11	DEC 27	42.20	FEB 23	39.82	APR 26	39.72	JUN 20	37.57	AUG 23	36.63
NOV 27	39.93	JAN 29	39.66	MAR 21	39.59	MAY 24	39.72	JUL 21	37.30	SEP 21	38.22

405452073025701. Local number, S 32895.1
LOCATION.--Lat 40°54'52", long 73°02'57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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.

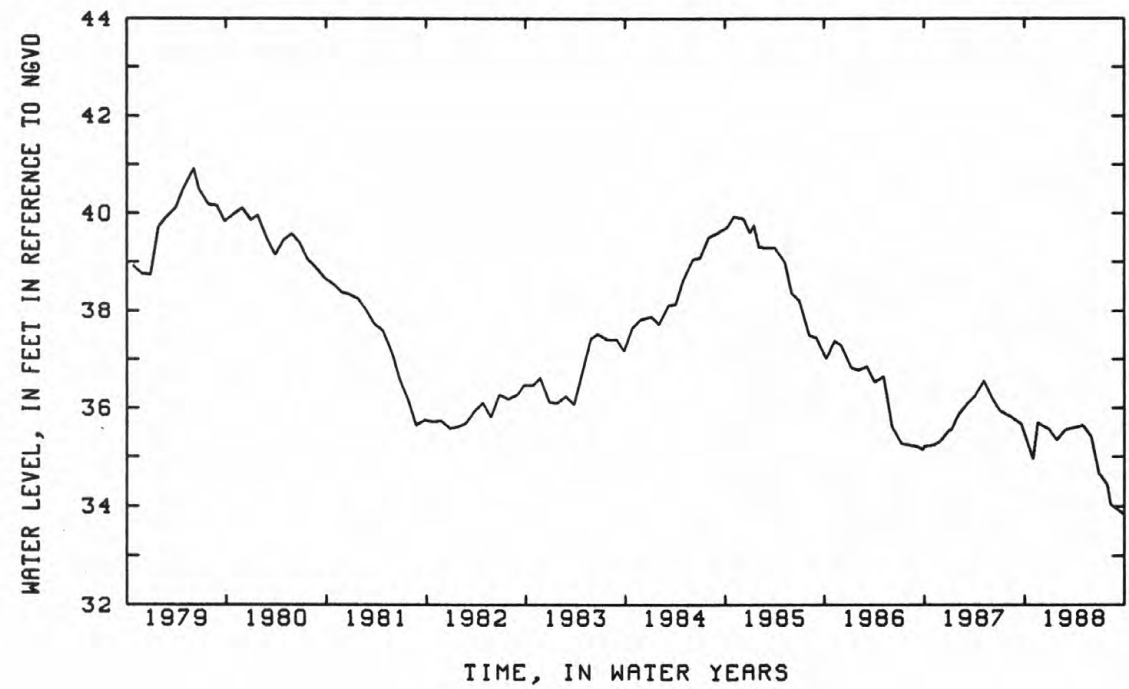
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	42.25	DEC 17	41.84	FEB 23	41.63	APR 26	41.51	JUN 20	39.14	AUG 23	37.97
NOV 27	42.22	JAN 29	42.58	MAR 21	41.14	MAY 24	41.12	JUL 21	38.73	SEP 21	39.69

404935073055901. Local number, S 33379.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	34.98	DEC 31	35.57	FEB 29	35.56	APR 30	35.66	JUN 29	34.67	AUG 10	34.04
NOV 19	35.70	JAN 28	35.34	APR 27	35.64	MAY 31	35.41	JUL 31	34.43	SEP 29	33.84

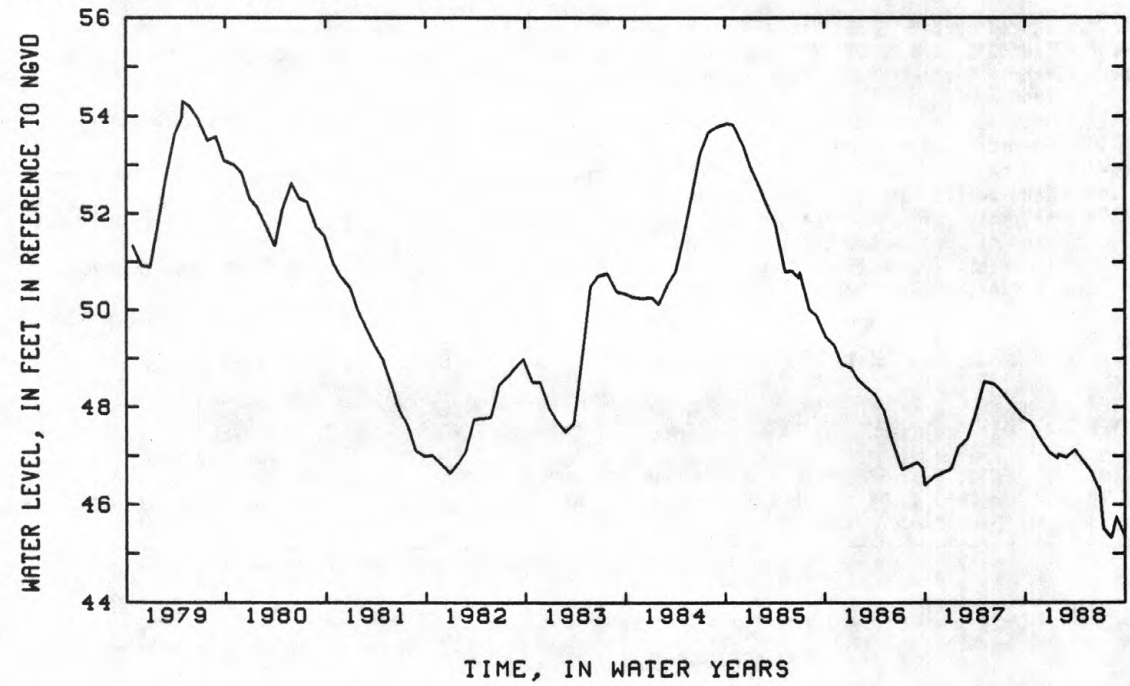


SUFFOLK COUNTY--Continued

404932073055902. Local number, S 33380.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	47.67	JAN 28	46.95	MAR 31	47.12	JUN 29	46.29	JUL 14	45.51	AUG 31	45.75
NOV 19	47.43	31	47.03	APR 27	46.92	30	46.37	AUG 10	45.32	SEP 29	45.38
DEC 31	47.06	FEB 29	46.97	MAY 31	46.65						



405715072193701. Local number, S 33921.1
LOCATION.--Lat 40°57'15", long 72°19'37", Hydrologic Unit 02030202, at Scuttlehole Road, Bridgehampton. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 bushing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	17.72	FEB 25	17.60	APR 27	17.62	JUL 22	17.35	AUG 31	17.11	SEP 27	16.98
JAN 25	17.37	MAR 29	17.55	JUN 16	17.56						

SUFFOLK COUNTY--Continued

405718072190401. Local number, S 33922.1
LOCATION.--Lat 40°57'14", long 72°19'38", Hydrologic Unit 02030202, at Scuttlehole Road, Bridgehampton.
Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in, depth 815 ft, screened 408 to 449.
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 coupling, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	13.61	FEB 25	13.44	APR 27	13.68	JUL 22	13.24	AUG 31	13.03	SEP 27	12.90
JAN 25	13.30	MAR 29	13.57	JUN 16	13.43						

405038072414701. Local number, S 34742.1
LOCATION.--Lat 40°50'38", long 72°41'47", Hydrologic Unit 02030202, at Speonk Riverhead Road, Speonk.
Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	19.58	FEB 25	19.34	APR 25	20.35	JUN 20	20.33	AUG 22	19.70	SEP 27	19.28
JAN 25	19.08	MAR 24	19.82	MAY 23	20.56	JUL 22	20.04				

405040072414801. Local number, S 34743.1
LOCATION.--Lat 40°50'40", long 72°41'48", Hydrologic Unit 02030202, at Speonk-Riverhead Road, Speonk.
Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, access pipe diameter 4 in, casing diameter 12 in, depth 1226 ft, screened 1077 to 1117 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 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 1987 TO SEPTEMBER 1988

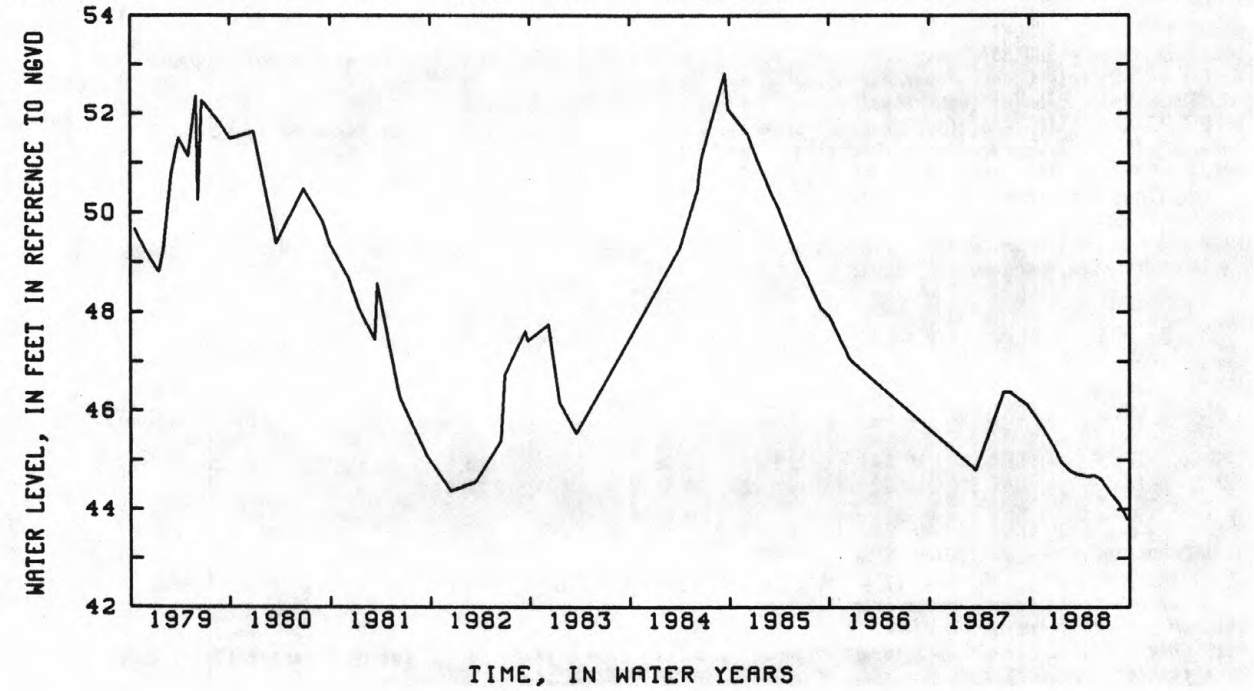
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	17.76	FEB 25	17.53	APR 25	18.05	JUN 20	18.04	AUG 22	17.49	SEP 27	17.32
JAN 25	17.54	MAR 24	17.70	MAY 23	18.19	JUL 22	17.80				

SUFFOLK COUNTY--Continued

405517072574902. Local number, S 34892.1
LOCATION.--Lat 40°55'19", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

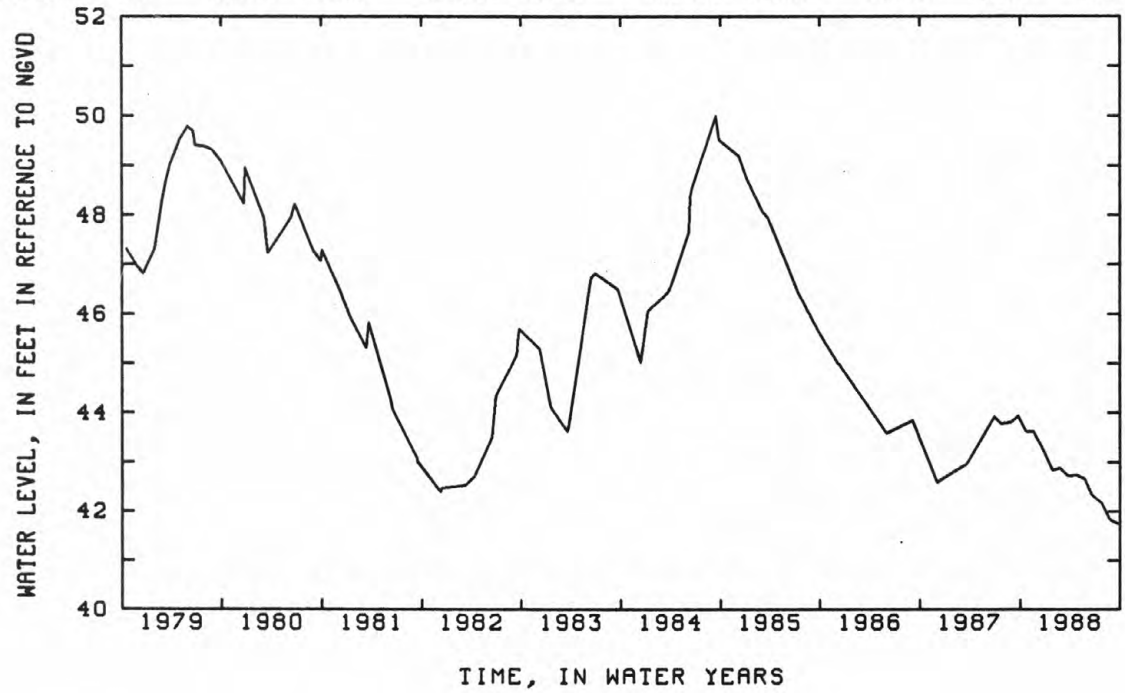
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	45.88	DEC 28	45.28	FEB 23	44.78	APR 27	44.66	JUN 20	44.58	AUG 26	44.09
NOV 20	45.65	JAN 29	44.93	MAR 22	44.70	MAY 25	44.68	JUL 25	44.30	SEP 23	43.79



405517072574903. Local number, S 34894.1
LOCATION.--Lat 40°55'18", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 nipple, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	43.62	DEC 28	43.21	FEB 23	42.88	APR 27	42.73	JUN 20	42.32	AUG 26	41.83
NOV 20	43.62	JAN 29	42.83	MAR 22	42.71	MAY 25	42.65	JUL 25	42.16	SEP 23	41.75



404930073120002. Local number, S 36142.2
LOCATION.--Lat 40°49'30", long 73°12'00", Hydrologic Unit 02030202, at Lincoln Boulevard and Town Line Road, Islip. Owner: Happaugue School District.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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 1987 TO SEPTEMBER 1988

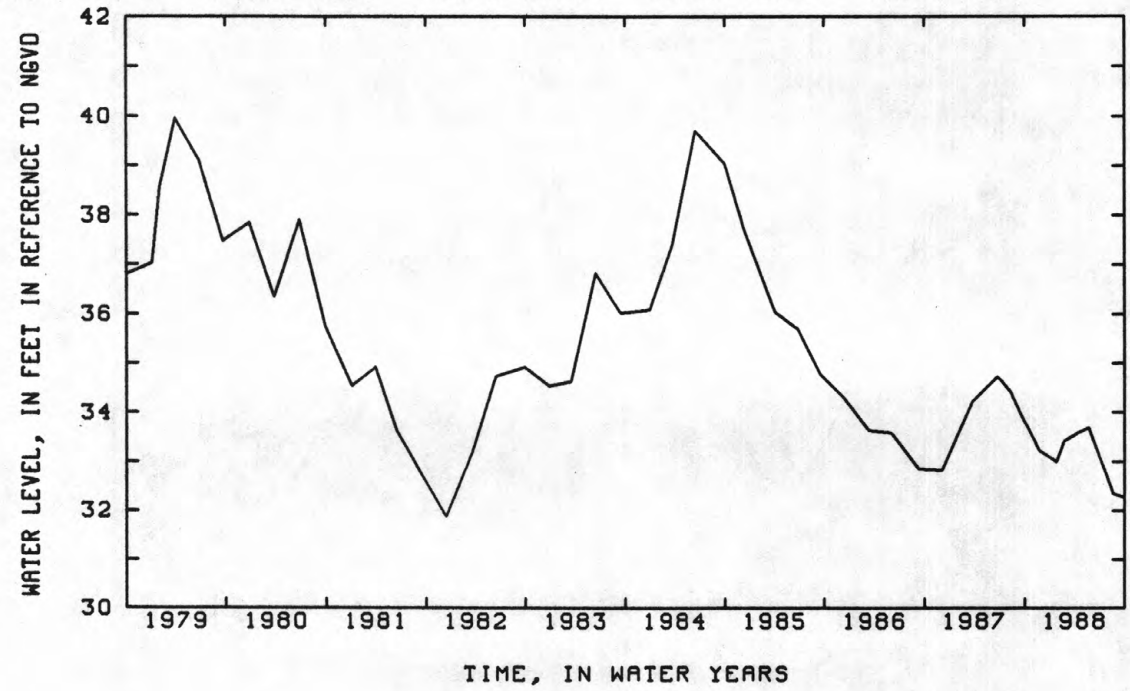
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.55	DEC 17	42.20	FEB 23	42.51	APR 26	42.85	JUN 20	42.46	AUG 23	41.61
NOV 27	42.24	JAN 29	42.03	MAR 21	42.69	MAY 24	42.90	JUL 21	42.10	SEP 21	41.36

SUFFOLK COUNTY--Continued

404640073050201. Local number, S 36144.1
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at Lincoln Avenue, Bohemia. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 casing, 1.84 ft above land-surface datum.
PERIOD OF RECORD.--November 1970 to current year. Unpublished records from November 1970 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	33.54	JAN 25	32.99	MAR 24	33.52	MAY 23	33.69	JUL 22	32.78	SEP 27	32.27
NOV 25	33.21	FEB 25	33.43	APR 25	33.62	JUN 20	33.25	AUG 22	32.34		



405542072462901. Local number, S 36149.1
LOCATION.--Lat 40°55'42", long 72°46'29", Hydrologic Unit 02030201, at Fresh Pond Road and Route 25, Wading River. Owner: Town of Riverhead.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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, 48.09 ft NGVD, February 23, 1988; lowest measured, 25.62 ft NGVD, December 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

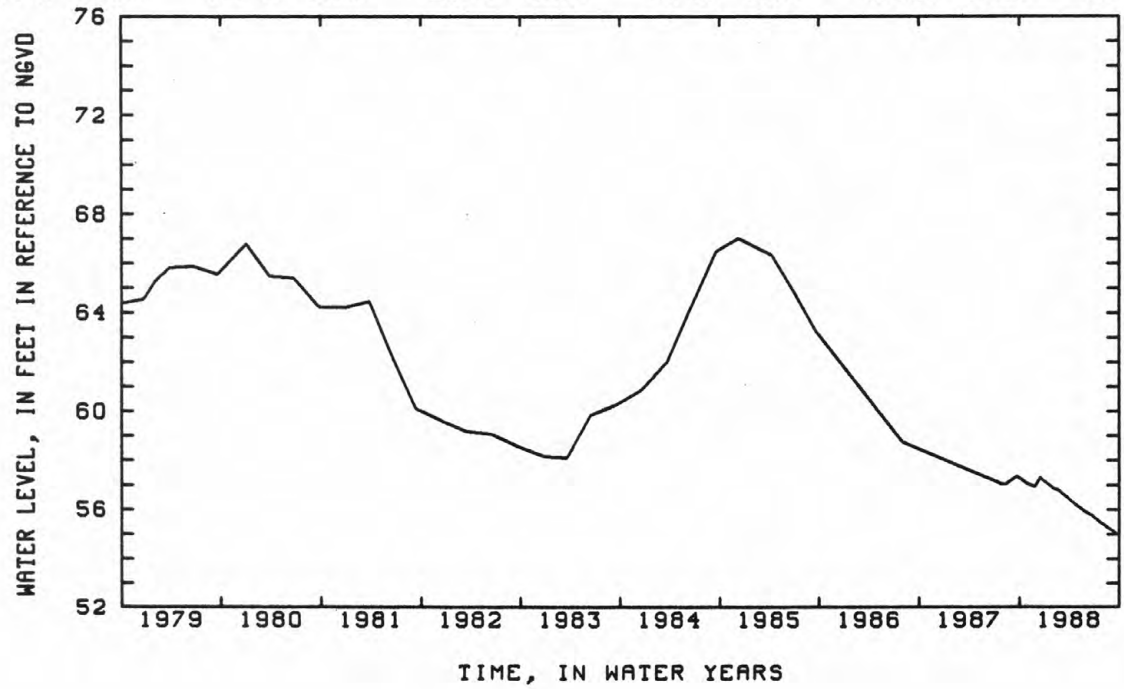
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	27.70	DEC 28	27.40	MAR 22	31.92	JUN 20	33.21	AUG 26	34.73	SEP 23	34.30
NOV 20	27.98	JAN 29	28.23	APR 27	39.74	JUL 25	39.20				

SUFFOLK COUNTY--Continued

405013073263601. Local number, S 40840.1
LOCATION.--Lat 40°50'13", long 73°26'36", Hydrologic Unit 02030201, at West Rogues Path and Cold Spring Hill Road, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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, 55.02 ft NGVD, September 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	57.05	DEC 17	57.30	FEB 23	56.77	APR 26	56.18	JUN 20	55.77	AUG 23	55.22
NOV 27	56.93	FEB 3	56.89	MAR 23	56.50	MAY 24	55.93	JUL 21	55.49	SEP 21	55.02



405124073111501. Local number, S 40843.1
LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at north end of traffic 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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	34.43	DEC 17	34.49	FEB 23	35.02	APR 26	34.64	JUN 20	34.33	AUG 23	34.24
NOV 27	34.27	JAN 29	34.43	MAR 21	34.86	MAY 24	34.71	JUL 21	34.04	SEP 21	34.26

SUFFOLK COUNTY--Continued

405230073212101. Local number, S 46517.1
LOCATION.--Lat 40°52'30", long 73°21'21", Hydrologic Unit 02030201, at Maple Road and Stony Hollow Road, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 coupling, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	67.50	DEC 17	67.53	FEB 23	67.35	APR 26	67.63	JUN 20	67.71	AUG 23	66.87
NOV 27	67.40	FEB 3	67.32	MAR 21	67.47	MAY 24	67.81	JUL 21	67.74	SEP 21	67.61

410218072093301. Local number, S 46519.1
LOCATION.--Lat 41°02'18", long 72°09'33", Hydrologic Unit 02030202, at White Birch Drive and Hog Creek Lane, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	2.59	JAN 25	2.51	MAR 29	3.25	MAY 26	3.12	JUL 22	2.56	SEP 26	2.26
NOV 13	2.42	FEB 25	3.23	APR 27	3.45	JUN 16	2.94	AUG 31	2.34		

405139072432401. Local number, S 46544.1
LOCATION.--Lat 40°51'39", long 72°43'24", Hydrologic Unit 02030202, at County Road 51 and Service Road for Recharge Basin 34, Eastport. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	25.44	FEB 25	24.95	APR 25	25.10	JUN 20	25.23	AUG 22	25.00	SEP 27	24.82
JAN 25	25.09	MAR 24	24.96	MAY 23	25.21	JUL 22	25.13				

SUFFOLK COUNTY--Continued

405604073064301. Local number, S 47973.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at Ridgeway Avenue and North Country Road, Setauket. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 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 coupling, 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.

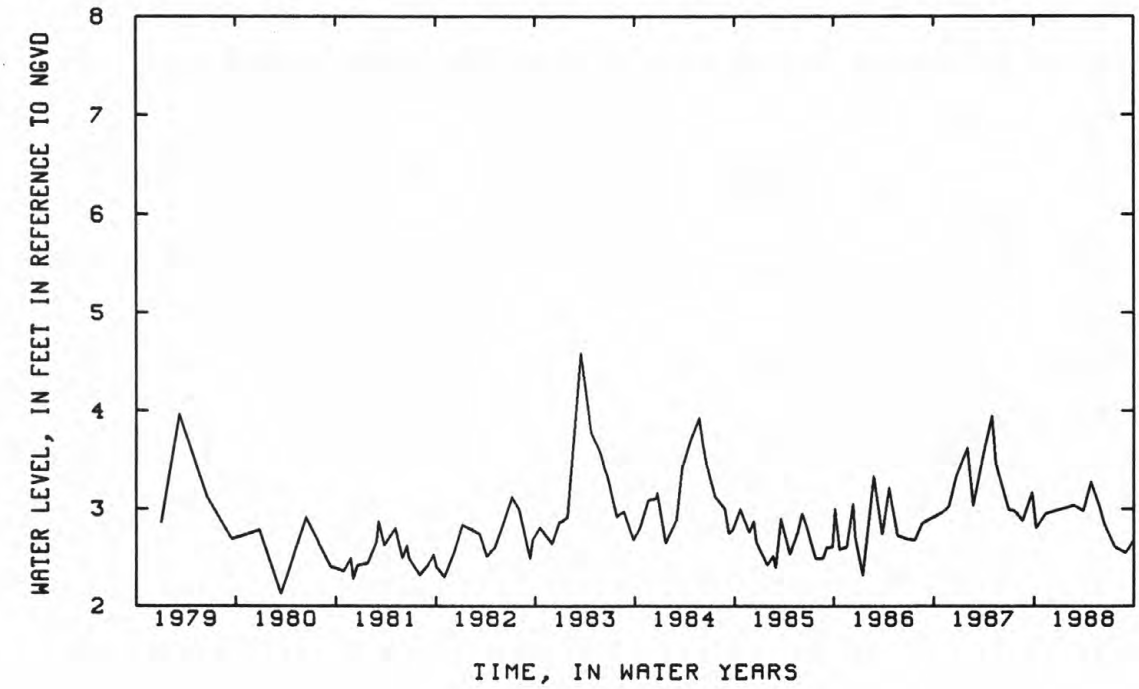
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 27	24.14	FEB 23	24.19	APR 26	24.52	JUN 20	24.48	AUG 23	24.02	SEP 21	23.97
JAN 29	24.60	MAR 21	24.30	MAY 24	24.67	JUL 21	24.19				

410243071560101. Local number, S 48519.1
LOCATION.--Lat 41°02'42", long 71°56'05", Hydrologic Unit 02030202, at South Federal Street and South Fairview Avenue, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	2.81	JAN 25	3.01	MAR 29	2.98	MAY 26	3.05	JUL 22	2.61	SEP 26	2.66
NOV 13	2.95	FEB 25	3.04	APR 27	3.27	JUN 16	2.84	AUG 31	2.55		



SUFFOLK COUNTY--Continued

410149071583201. Local number, S 48577.1
LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at Montauk Point Parkway, Hither Hills.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 Datun of 1929. Measuring point: Top of 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	2.77	JAN 25	3.86	MAR 29	3.52	MAY 26	3.87	JUL 22	3.68	SEP 26	3.30
NOV 13	3.86	FEB 25	3.64	APR 27	4.00	JUN 16	3.90	AUG 31	3.44		

410316071535501. Local number, S 48579.1
LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at Montauk Highway, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	3.28	JAN 25	3.30	MAR 29	3.28	MAY 26	3.56	JUL 22	3.06	SEP 26	3.05
NOV 13	3.39	FEB 25	3.32	APR 27	3.72	JUN 16	3.47	AUG 31	2.99		

405309073125401. Local number, S 50507.1
LOCATION.--Lat 40°53'09", long 73°12'54", Hydrologic Unit 02030201, at Landing Avenue, San Remo. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 casing, 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	43.11	DEC 17	42.93	FEB 23	42.78	APR 26	42.96	JUN 20	42.97	AUG 23	42.80
NOV 27	43.00	JAN 29	42.72	MAR 21	42.84	MAY 24	43.04	JUL 21	42.87	SEP 21	42.74

SUFFOLK COUNTY--Continued

410104072303301. Local number, S 53324.1
LOCATION.--Lat 41°01'04", long 72°30'33", Hydrologic Unit 02030202, at Alvah's Lane and Middle Road, Southold.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 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 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, 9.33 ft NGVD, March 3, 1979; lowest measured, 3.52 ft NGVD, November 20, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 23	5.66	JUN 20	6.40	JUL 25	5.79	AUG 26	5.37	SEP 23	4.98		

404642072520001. Local number, S 54882.1
LOCATION.--Lat 40°46'42", long 72°52'00", Hydrologic Unit 02030202, at William Floyd Parkway, Center Moriches.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 casing, 0.43 ft below land-surface datum.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.67 ft NGVD, June 21, 1984; lowest measured, 6.48 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.75	JAN 25	7.16	MAR 24	8.76	MAY 23	9.05	JUL 22	8.29	SEP 27	7.48
NOV 25	7.23	FEB 25	7.93	APR 25	9.19	JUN 20	8.73	AUG 22	7.83		

405418072494401. Local number, S 54884.1
LOCATION.--Lat 40°54'18", long 72°49'44", Hydrologic Unit 02030202, at Swan Pond Road and Wading River Road, Manorville. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 casing, 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, 40.76 ft NGVD, December 4, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.52	DEC 28	41.07	FEB 23	41.98	APR 27	43.05	JUN 20	42.58	AUG 26	41.46
NOV 20	41.20	JAN 29	41.12	MAR 22	42.66	MAY 25	42.75	JUL 25	42.01	SEP 23	40.98

SUFFOLK COUNTY--Continued

405241072381801. Local number, S 54886.1
LOCATION.--Lat 40°52'41", long 72°38'18", Hydrologic Unit 02030202, at Riverhead-Quogue Road and Old Riverhead Road, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	17.27	FEB 25	16.69	APR 25	17.24	JUN 20	17.45	AUG 22	17.14	SEP 27	16.86
JAN 25	16.56	MAR 24	16.94	MAY 23	17.42	JUL 22	17.37				

405326072275601. Local number, S 57366.1
LOCATION.--Lat 40°53'26", long 72°27'56", Hydrologic Unit 02030202, at Station Road and Shinnecock Hills Road, Southampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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, 5.31 ft NGVD, June 26, 1980; lowest measured, 3.19 ft NGVD, March 13, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	3.88	JAN 25	3.53	MAR 24	3.62	MAY 23	4.04	JUL 22	3.64	SEP 26	3.46
NOV 13	3.79	FEB 25	3.54	APR 25	4.07	JUN 16	3.91	AUG 31	3.56		

410052072134001. Local number, S 57371.1
LOCATION.--Lat 41°00'55", long 72°13'42", Hydrologic Unit 02030202, at Old Northwest Road, Grassy Hollow. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.26	JAN 25	6.87	MAR 29	7.77	MAY 26	7.99	JUL 22	7.48	SEP 26	6.72
13	7.17	FEB 25	7.45	APR 27	8.09	JUN 16	7.84	AUG 31	6.96		

SUFFOLK COUNTY--Continued

405927072041901. Local number, S 57372.1
LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at Montauk Highway, Napeague State Park.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 4.18 ft NGVD, December 4, 1986; lowest measured, 2.16 ft NGVD, July 22, 1988

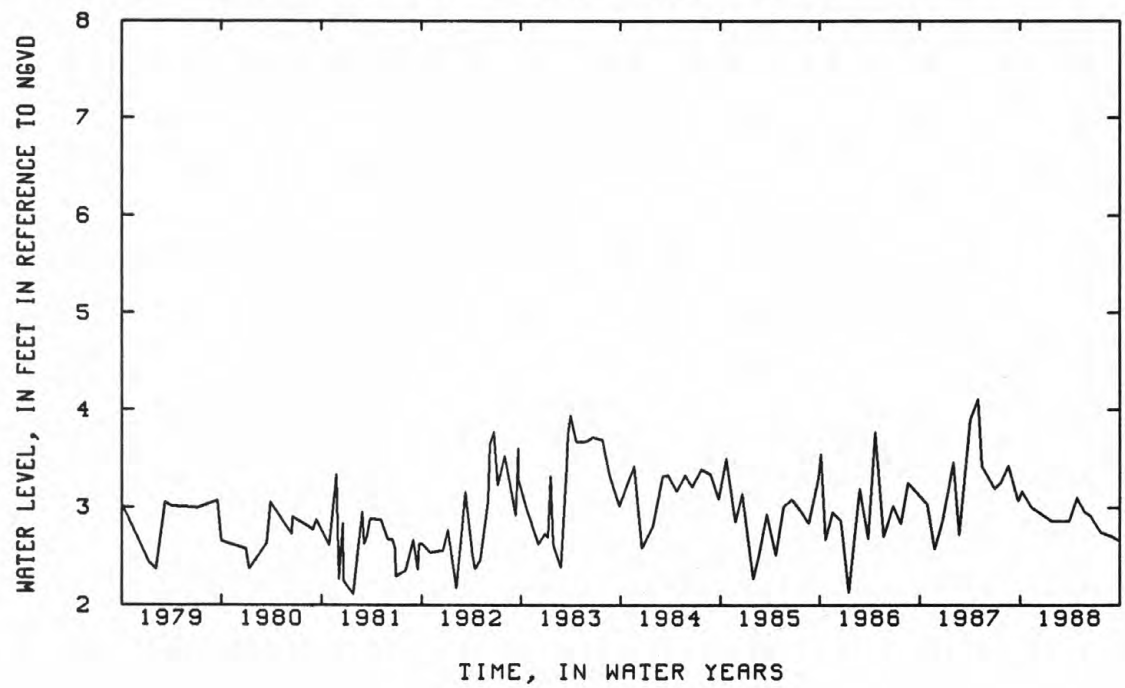
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	3.01	JAN 25	3.12	MAR 29	3.57	MAY 26	2.97	JUL 22	2.16	SEP 26	2.57
NOV 13	2.96	FEB 25	3.33	APR 27	2.84	JUN 16	2.51	AUG 31	2.39		

410040072002501. Local number, S 58921.1
LOCATION.--Lat 41°00'40", long 72°00'24", Hydrologic Unit 02030202, at Old Montauk Highway, Hither Hills State Park. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	3.17	JAN 25	2.86	APR 27	3.10	JUN 16	2.91	AUG 31	2.70	SEP 26	2.66
NOV 13	3.00	MAR 29	2.86	MAY 26	2.95	JUL 22	2.74				



SUFFOLK COUNTY--Continued

405558072252401. Local number, S 58956.1
LOCATION.--Lat 40°55'57", long 72°25'43", Hydrologic Unit 02030202, at Jennings and North Sea Roads, North Sea.
Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	1.41	FEB 25	0.98	MAY 26	0.98	JUL 22	2.82	AUG 31	1.29	SEP 27	1.24
JAN 25	1.52	MAR 29	1.01	JUN 16	1.64						

405642072240001. Local number, S 59992.1
LOCATION.--Lat 40°56'42", long 72°24'00", Hydrologic Unit 02030202, at Majors Path and Noyack Road, Noyack.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 casing, 0.31 ft below land-suface 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	4.97	FEB 25	5.09	APR 27	5.33	JUN 16	5.12	AUG 31	4.75	SEP 27	4.68
JAN 25	4.89	MAR 29	5.09	MAY 26	5.23	JUL 22	4.77				

405559072145901. Local number, S 60123.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202 at Wainscott Hollow Road and Main Street, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 coupling, 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, 6.53 ft NGVD, August 31, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.01	JAN 25	6.74	MAR 29	7.54	MAY 25	7.10	JUL 22	6.62	SEP 26	6.74
13	6.98	FEB 25	7.30	APR 27	7.42	JUN 16	6.98	AUG 31	6.53		

SUFFOLK COUNTY--Continued

405600072150003. Local number, S 62394.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at Wainscott Hollow Road and Main Street, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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, 8.40 ft NGVD, June 20, 1984; lowest measured, 5.84 ft NGVD, July 2, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	6.51	JAN 25	6.46	MAR 29	7.47	MAY 25	6.84	JUL 22	6.17	SEP 26	6.00
13	6.52	FEB 25	7.26	APR 27	7.24	JUN 16	6.52	AUG 31	5.97		

405600072150002. Local number, S 62395.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at Wainscott Hollow Road and Main Street, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven 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 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, 8.39 ft NGVD, June 20, 1984; lowest measured, 5.95 ft NGVD, August 31, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	6.49	JAN 25	6.44	MAR 29	7.48	MAY 25	6.82	JUL 22	6.14	SEP 26	5.97
13	6.50	FEB 25	7.25	APR 27	7.22	JUN 16	6.50	AUG 31	5.95		

415843072213401. Local number, S 62402.1
LOCATION.--Lat 40°58'58", long 72°21'36", Hydrologic Unit 02030202, at Club Lane and Wildwood Road, Noyack. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.20 ft below land-surface datum.
PERIOD OF RECORD.--October 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	34.65	FEB 25	34.21	MAY 26	34.89	JUL 22	34.60	AUG 31	34.31	SEP 27	34.10
JAN 25	33.96	MAR 29	34.53	JUN 16	34.77						

SUFFOLK COUNTY--Continued

405740073064501. Local number, S 62405.1
LOCATION.--Lat 40°57'40", long 73°06'45", Hydrologic Unit 02030201, at Conscience Circle, Strong's Neck.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered 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 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.

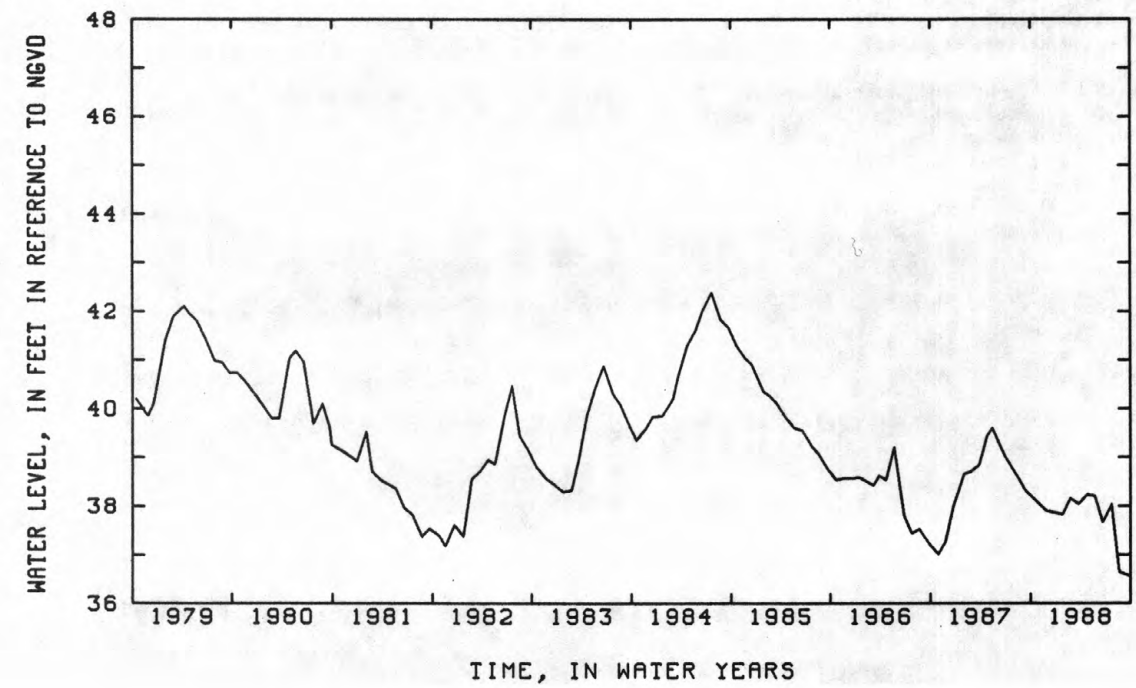
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.42	DEC 17	3.44	FEB 23	3.78	APR 26	3.73	JUN 20	3.94	AUG 23	3.51
NOV 27	3.29	FEB 3	2.97	MAR 21	3.65	MAY 24	4.44	JUL 21	3.62	SEP 21	3.47

404813073084102. Local number, S 65601.1
LOCATION.--Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at Johnson Avenue and Terry Road, Ronkonkoma.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	38.08	JAN 25	37.83	MAR 24	38.04	MAY 23	38.20	JUL 22	38.03	SEP 27	36.57
NOV 25	37.90	FEB 25	38.15	APR 25	38.23	JUN 20	37.67	AUG 22	36.65		

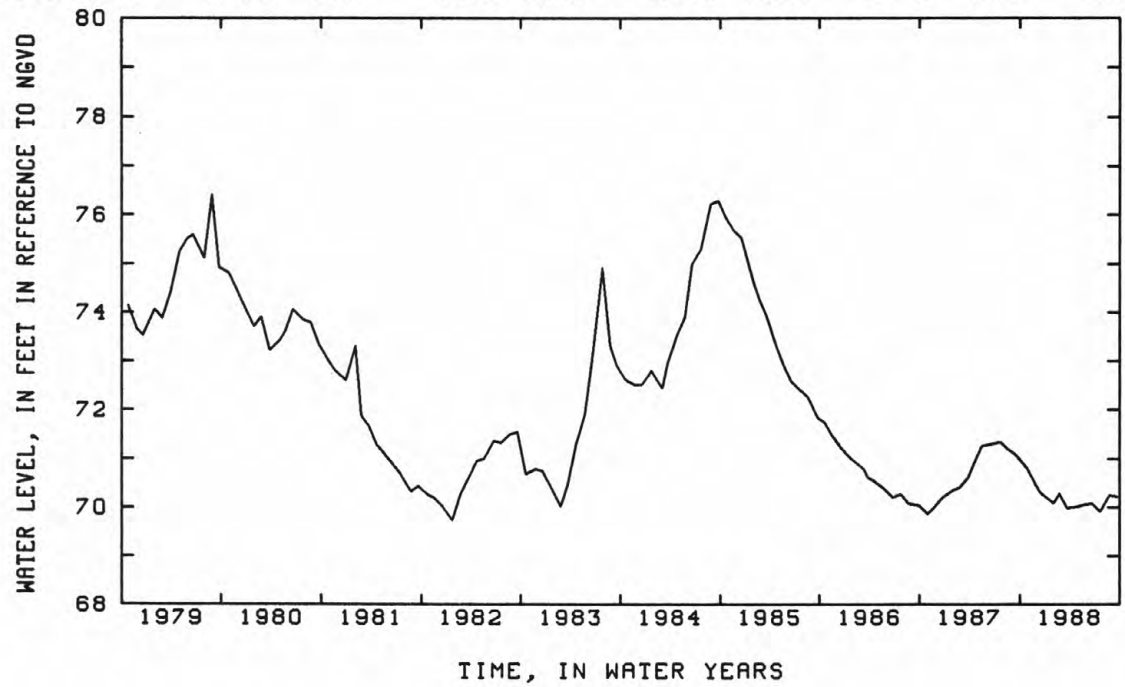


SUFFOLK COUNTY--Continued

405030073180601. Local number, S 65602.1
LOCATION.--Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at Wiltshire Drive and Renee Place, Commack.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.19 ft below land-surface datum.
REMARKS.--Replaces well S 3514 in September 1978, which has a period of record from May 1942 to September 1978. Well also sampled for water quality.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	70.79	DEC 17	70.30	FEB 23	70.29	APR 26	70.01	JUN 20	70.08	AUG 23	70.25
NOV 27	70.48	FEB 3	70.09	MAR 21	69.98	MAY 24	70.06	JUL 21	69.92	SEP 21	70.22

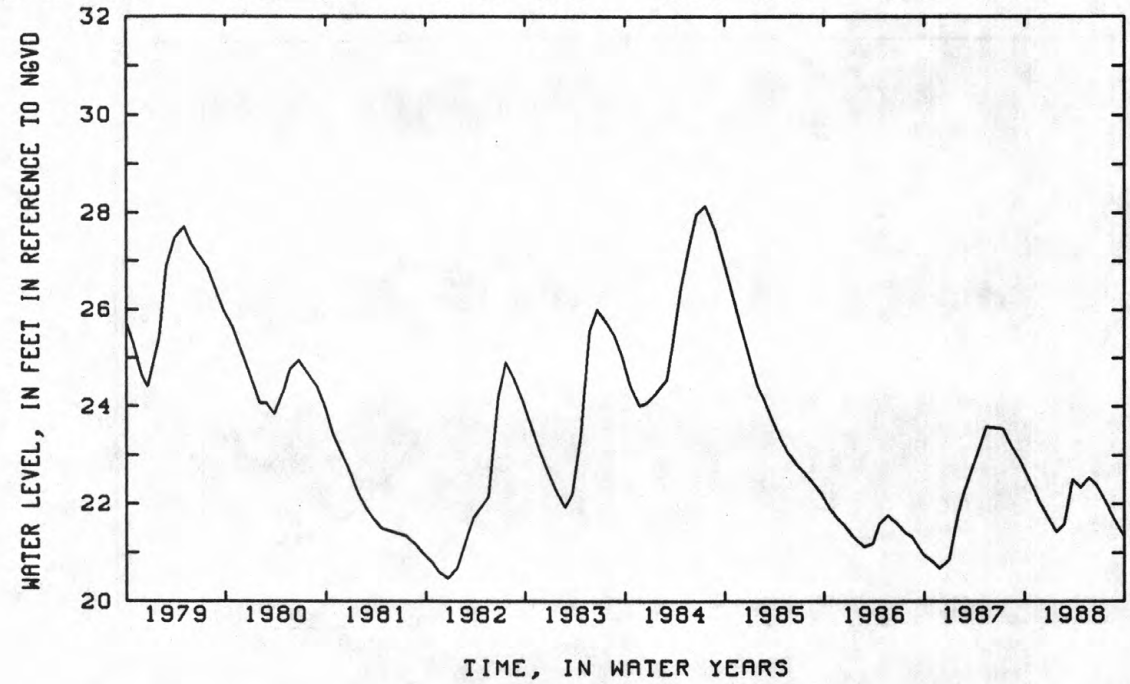


SUFFOLK COUNTY--Continued

404936072483501. Local number, S 65604.1
LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Chichester Avenue near Sunrise Highway, Manorville. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaces well S 6439 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	22.41	JAN 25	21.43	MAR 24	22.49	MAY 23	22.54	JUL 22	22.06	SEP 27	21.35
NOV 25	22.05	FEB 25	21.57	APR 25	22.34	JUN 20	22.39	AUG 22	21.73		



404430073123301. Local number, S 66135.1
LOCATION.--Lat 40°44'30", long 73°12'33", Hydrologic Unit 02030202, at Great Neck Road and Sunrise Highway, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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, 22.01 ft NGVD, June 28, 1982; lowest measured, 19.39 ft NGVD, December 3, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 8	21.28	JUN 20	20.92	JUL 22	20.26	AUG 22	19.70	SEP 27	19.90		

SUFFOLK COUNTY--Continued

403935073235001. Local number, S 66136.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 casing, 2.43 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	4.25	MAY 31	3.90	JUN 17	3.55	AUG 1	3.80	SEP 1	3.61	SEP 30	3.59
FEB 24	3.73										

404524073123401. Local number, S 66149.1
LOCATION.--Lat 40°45'24", long 73°12'34", Hydrologic Unit 02030202, at Spur Drive North and Islip Avenue, Islip. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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, 24.35 ft NGVD, June 28, 1982; lowest measured, 20.55 ft NGVD, March 7, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 8	22.91	JUN 20	22.50	JUL 22	21.99	AUG 22	21.49	SEP 27	21.65		

403935073235002. Local number, S 67537.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.28 ft below land-surface datum.
REMARKS.--Well also sampled for water quality.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	2.43	MAY 31	1.77	JUN 17	1.57	AUG 1	1.84	SEP 1	1.66	SEP 30	1.55
FEB 24	1.45										

SUFFOLK COUNTY--Continued

405529073272901. Local number, S 69781.1
LOCATION.--Lat 40°55'29", long 73°27'29", Hydrologic Unit 02030201, at Caumsett State Park, Lloyd's Neck.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 8.65 ft NGVD, July 6, 1987; lowest measured, 6.61 ft NGVD, December 10, 1986.

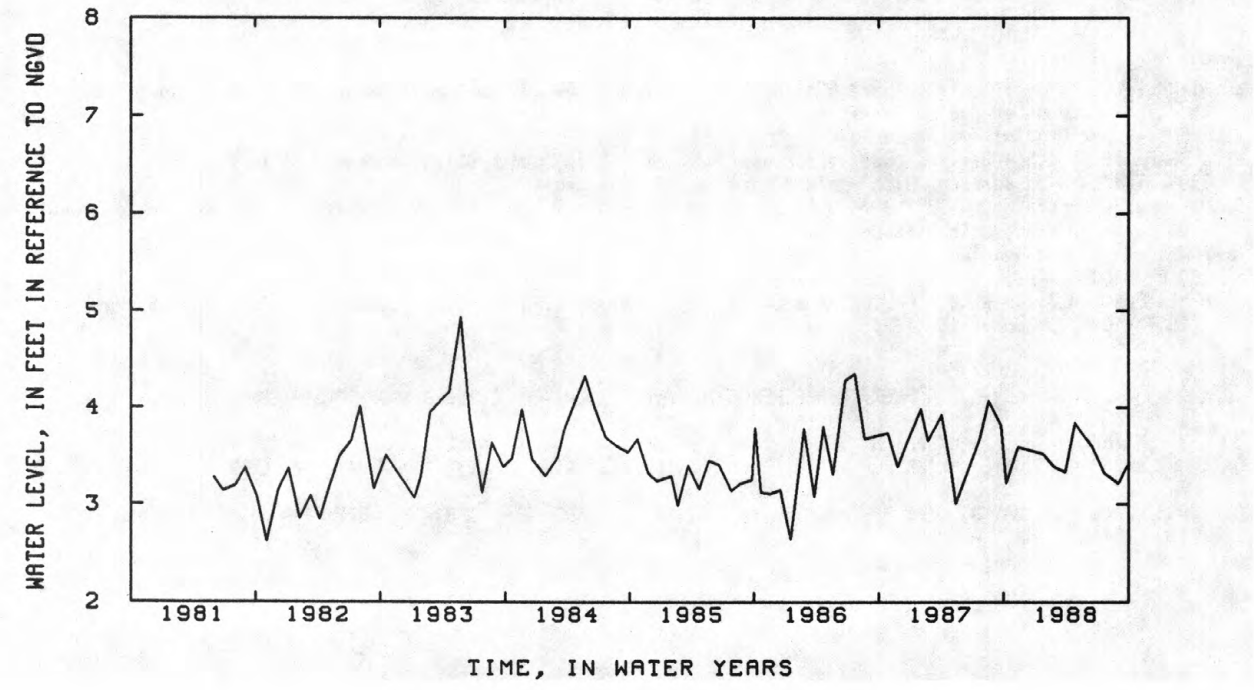
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	7.78	FEB 3	7.09	MAR 23	7.07	MAY 24	7.32	JUL 22	7.21	SEP 21	6.97
NOV 27	7.51	23	7.05	APR 26	7.27	JUN 20	7.36	23	7.06		

410343071533101. Local number, S 70262.1
LOCATION.--Lat 41°03'43", long 71°53'31", Hydrologic Unit 02030202, at Montauk Highway, Montauk.
Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	3.22	JAN 25	3.52	MAR 29	3.33	MAY 26	3.69	JUL 22	3.32	SEP 26	3.39
NOV 13	3.59	FEB 25	3.39	APR 27	3.84	JUN 16	3.59	AUG 31	3.21		



SUFFOLK COUNTY--Continued

405801072354401. Local number, S 71576.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at Manor Lane and Sound Avenue, Jamesport.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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, 12.37 ft NGVD, September 27, 1984; lowest measured, 4.00 ft NGVD, February 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.61	DEC 28	8.15	FEB 23	8.58	JUN 20	8.88	AUG 26	7.63	SEP 23	7.53
NOV 20	8.47	JAN 29	8.00	MAR 22	8.86	JUL 25	8.12				

405642072240003. Local number, S 73993.1
LOCATION.--Lat 40°56'42", long 72°24'00", Hydrologic Unit 02030202, at Majors Path and Noyack Road, North Sea.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	4.94	FEB 25	5.07	APR 27	5.32	JUN 16	5.13	AUG 31	4.74	SEP 27	4.64
JAN 25	4.88	MAR 29	5.10	MAY 26	5.17	JUL 22	4.77				

405600072150005. Local number, S 73994.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at Wainscott Hollow Road and Main Street, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 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 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, 4.49 ft NGVD, August 31, 1988

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	4.88	JAN 25	4.74	MAR 29	5.47	MAY 25	5.35	JUL 22	4.58	SEP 26	4.68
13	4.89	FEB 25	5.26	APR 27	5.35	JUN 16	4.96	AUG 31	4.49		

SUFFOLK COUNTY--Continued

405858072213501. Local number, S 73998.1
LOCATION.--Lat 40°58'58", long 72°21'35", Hydrologic Unit 02030202, at Club Lane, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 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 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, 6.31 ft NGVD, April 17, 1984; lowest measured, 4.00 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	5.04	FEB 25	4.77	APR 27	4.98	JUN 16	4.78	AUG 31	4.61	SEP 27	4.54
JAN 25	4.84	MAR 29	4.63	MAY 26	4.96	JUL 22	4.77				

405858072213602. Local number, S 73999.1
LOCATION.--Lat 40°58'58", long 72°21'35", Hydrologic Unit 02030202, at Club Lane, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	9.99	FEB 25	9.68	APR 27	9.97	JUN 16	9.73	AUG 31	9.55	SEP 27	9.53
JAN 25	9.80	MAR 29	9.67	MAY 26	9.97	JUL 22	9.58				

404750073225302. Local number, S 74284.2
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at Suffolk County Developmental Center, North and South Roads, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	69.63	DEC 17	69.13	FEB 23	69.32	APR 26	68.99	JUN 20	68.49	AUG 23	67.23
NOV 27	69.63	JAN 29	69.35	MAR 23	69.10	MAY 24	69.21	JUL 21	68.03	SEP 21	67.94

SUFFOLK COUNTY--Continued

404750073225303. Local number, S 74285.1
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at Suffolk County Developmental Center, North and South Roads, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	69.69	DEC 17	69.52	FEB 23	69.36	APR 26	69.07	JUN 20	68.54	AUG 23	67.32
NOV 27	69.69	JAN 29	69.61	MAR 23	69.12	MAY 24	69.23	JUL 21	68.27	SEP 21	67.96

404750073225304. Local number, S 74286.1
LOCATION.--Lat 40°47'50", long 73°22'53", Hydrologic Unit 02030202, at Suffolk County Developmental Center, North and South Roads, Melville. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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, 70.17 ft NGVD, September 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	71.81	DEC 17	71.44	FEB 23	71.32	APR 26	71.14	JUN 20	71.27	AUG 23	70.27
NOV 27	71.63	JAN 29	71.52	MAR 23	71.02	MAY 24	71.26	JUL 21	70.65	SEP 21	70.17

405322072454101. Local number, S 74292.1
LOCATION.--Lat 40°53'23", long 72°45'43", Hydrologic Unit 02030202, at intersection of Primrose Path and Saw Mill Road, Brookhaven. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 33.71 ft NGVD, December 4, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	35.11	DEC 28	34.21	FEB 23	34.02	APR 27	35.09	JUN 20	35.23	AUG 26	34.70
NOV 20	34.75	JAN 29	33.86	MAR 22	34.62	MAY 25	35.30	JUL 25	35.98	SEP 23	34.36

SUFFOLK COUNTY--Continued

404433073244903. Local number, S 74586.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, Republic Airport at Conklin Street and New Highway, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.90 ft below land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.33 ft NGVD, June 5, 1984; lowest measured, 50.79 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	52.32	JAN 25	51.51	MAR 24	52.35	JUN 20	51.67	AUG 22	50.79	SEP 27	50.80
NOV 25	51.60	FEB 25	52.06	MAY 23	52.42	JUL 22	51.22				

404433073244904. Local number, S 74587.1
LOCATION.--Lat 40°44'43", long 73°24'49", Hydrologic Unit 02030202, Republic Airport at Conklin Street and New Highway, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	53.72	JAN 25	52.30	MAR 24	53.18	JUN 20	52.80	AUG 22	51.96	SEP 27	50.80
NOV 25	52.49	FEB 25	52.95	MAY 23	53.32	JUL 22	52.28				

404433073244905. Local number, S 75033.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, Republic Airport at New Highway and Conklin Street, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled 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 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, 51.93 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	53.88	JAN 25	54.41	MAR 24	53.35	MAY 23	53.41	JUL 22	52.38	SEP 27	51.93
NOV 25	52.59	FEB 25	53.09	APR 25	53.37	JUN 20	52.94	AUG 22	52.10		

404433073244902. Local number, S 75034.2
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, Republic Airport at New Highway and Conklin Street, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	51.66	JAN 25	51.00	MAR 24	51.89	MAY 23	51.88	JUL 22	50.63	AUG 22	50.12
NOV 25	51.08	FEB 25	51.52	APR 25	51.94	JUN 20	51.07				

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	65.67	DEC 17	65.46	FEB 23	66.20	APR 26	65.41	JUN 20	64.63	AUG 23	63.34
NOV 27	65.51	JAN 29	65.61	MAR 23	65.51	MAY 24	65.29	JUL 21	64.27	SEP 21	63.91

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	66.04	DEC 17	64.93	FEB 23	66.08	APR 26	65.82	JUN 20	65.09	AUG 23	63.86
NOV 27	65.90	JAN 29	65.94	MAR 23	65.92	MAY 24	66.65	JUL 21	64.64	SEP 21	64.24

SUFFOLK COUNTY--Continued

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	71.69	DEC 17	72.35	FEB 23	73.20	APR 26	73.12	JUN 20	72.98	AUG 23	72.51
NOV 27	71.75	JAN 29	73.02	MAR 23	73.07	MAY 24	73.23	JUL 21	72.83	SEP 21	72.55

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 10	42.36	APR 25	41.87	JUN 20	39.14	JUL 22	40.32	AUG 22	38.98	SEP 27	40.27
24	42.11	MAY 23	41.91								

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 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 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, 45.72 ft NGVD, December 17, 1984; lowest measured, 39.22 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 10	42.70	APR 25	42.12	JUN 20	39.88	JUL 22	40.35	AUG 22	39.22	SEP 27	40.24
24	42.47	MAY 23	42.33								

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 10	40.22	APR 25	41.49	JUN 20	38.81	JUL 22	39.86	AUG 22	38.46	SEP 27	39.86
24	41.74	MAY 23	41.58								

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 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 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, 55.06 ft NGVD, August 11, 1984; lowest measured, 50.49 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 10	50.96	APR 25	50.66	JUN 20	50.65	JUL 22	51.02	AUG 22	50.65	SEP 27	50.49
24	50.68	MAY 23	51.33								

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 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 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, 9.10 ft NGVD, February 25, 1988; lowest measured, 6.77 ft NGVD, October 28, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.86	JAN 29	8.23	MAR 24	8.69	MAY 23	8.70	JUL 22	7.80	SEP 27	7.20
13	7.94	FEB 25	9.10	APR 25	8.94	JUN 20	8.32	AUG 22	7.35		

SUFFOLK COUNTY--Continued

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 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 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, 9.71 ft NGVD, April 25, 1988; lowest measured, 6.94 ft NGVD, September 22, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.76	JAN 29	7.77	MAR 24	8.37	MAY 23	9.39	JUL 22	7.81	SEP 27	7.31
13	7.80	FEB 25	8.42	APR 25	9.71	JUN 20	9.25	AUG 22	7.45		

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 observation well, diameter 4 in, depth 1219 ft, screened 1192 to 1214 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	14.55	MAY 31	16.49	JUN 16	16.21	AUG 1	14.99	SEP 1	14.22	SEP 30	14.07
FEB 24	16.40										

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 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 casing, 0.58 ft below land-surface datum.
REMARKS.--Well also sampled for water quality.
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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	6.35	MAY 31	6.09	JUN 17	5.47	AUG 1	5.84	SEP 1	5.60	SEP 30	5.72
FEB 24	6.26										

SUFFOLK COUNTY--Continued

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 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 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, 21.45 ft NGVD, February 23, 1988; lowest measured, 18.77 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 27	20.33	FEB 23	21.45	APR 26	20.90	JUN 20	19.54	AUG 23	18.77	SEP 21	19.17
JAN 29	20.59	MAR 21	20.74	MAY 24	20.62	JUL 21	19.63				

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 observation well, diameter 2 in, depth 1022 ft, screened 1010 to 1022 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 casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.92 ft NGVD, May 25, 1988; lowest measured, 15.55 ft NGVD, October 23, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.55	DEC 28	16.16	FEB 23	16.42	APR 27	16.85	JUN 20	16.41	AUG 26	16.09
NOV 20	16.24	JAN 29	16.01	MAR 22	16.08	MAY 25	16.92	JUL 25	16.44	SEP 23	16.13

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 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 casing, 0.03 ft below land surface datum.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.49 ft NGVD, April 27, 1988; lowest measured, 2.83 ft NGVD, August 26, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.18	DEC 28	2.98	FEB 23	3.32	APR 27	3.49	JUN 20	2.94	AUG 26	2.89
NOV 20	3.23	JAN 29	3.03	MAR 22	2.93	MAY 25	3.28	JUL 25	2.95	SEP 23	2.89

SUFFOLK COUNTY--Continued

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 observation well, diameter 2 in, depth 161 ft, screened 153 to 158 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 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, 4.53 ft NGVD, July 25, 1988; lowest measured, 1.55 ft NGVD, April 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	2.27	DEC 28	2.40	FEB 23	2.28	APR 27	1.55	JUN 20	3.82	AUG 26	3.75
NOV 20	1.75	JAN 29	2.32	MAR 22	2.54	MAY 25	1.74	JUL 25	4.53	SEP 23	3.68

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 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 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, 1.64 ft NGVD, September 23, 1988; lowest measured, 1.59 ft NGVD, August 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 26	1.59	SEP 23	1.64								

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 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 meter box rim, 0.01 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.86 ft NGVD, June 9, 1988; lowest measured, 21.74 ft NGVD, March 23, 1987, and September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	22.86	JUN 22	22.53	JUL 22	22.19	AUG 25	21.98	SEP 30	21.74		

SUFFOLK COUNTY--Continued

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	20.41	JUN 22	20.46	JUL 22	20.10	AUG 25	19.83	SEP 30	19.50		

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.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.21 ft below land-surface datum.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.02 ft NGVD, June 9, 1988; lowest measured, 10.31 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	11.02	JUN 20	10.70	JUL 22	10.57	AUG 22	10.31	SEP 30	10.36		

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 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 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 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	12.19	JUN 20	11.57	JUL 22	10.46	AUG 22	10.17	SEP 30	10.24		

SUFFOLK COUNTY--Continued

404433073244906. Local number, S 87041.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, Republic Airport, New Highway and Conklin Street, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 coupling, 0.28 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.52 ft NGVD, Feburary 25, 1988; lowest measured, 22.84 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	23.69	JAN 25	25.09	MAR 24	25.13	MAY 23	25.22	JUL 22	23.55	AUG 22	22.84
NOV 25	24.34	FEB 25	26.52	APR 25	25.38	JUN 20	24.59				

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 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 casing, 0.27 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 23	7.76										

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 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 casing, 0.46 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 23	5.33										

SUFFOLK COUNTY--Continued

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 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 casing, 0.69 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 23	5.31										

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY

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

STATION NUMBER		LOCAL IDENT-I-FIER		GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
403818073421502	N	1114.	2	112GLCLU	09-09-88	29	791	7.58
404310073260102	N	1250.	2	112GLCLU	09-08-88	34	191	6.22
404059073254002	N	1253.	2	112GLCLU	09-08-88	29	379	5.78
404619073270601	N	3355.	2	211LLYD	08-31-88	1093	37	6.38
				211LLYD	08-31-88	1093	37	6.37
404730073423101	N	8877.	1	112GLCLU	09-09-88	76	211	6.45

DATE	TEMPER-ATURE WATER (DEG C)	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)
09-09-88	20.0	42	5.0	46	3.2	--	111	1.1	81
09-08-88	21.5	16	2.6	17	2.3	--	18	25	21
09-08-88	17.5	27	3.8	36	2.8	--	46	30	69
08-31-88	13.0	1.5	0.93	3.0	0.55	13	10	1.4	3.4
08-31-88	13.0	1.6	0.86	3.1	0.60	--	10	1.2	3.3
09-09-88	14.5	11	7.2	6.4	1.7	--	36	25	7.4

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
09-09-88	0.10	9.0	<0.010	1.80	2.10	0.010	65000	610
09-08-88	<0.10	9.5	<0.010	0.700	0.560	<0.010	1400	1200
09-08-88	<0.10	14	<0.010	0.910	0.900	<0.010	190	3600
08-31-88	<0.10	6.7	0.003	<0.010	0.006	<0.010	3600	70
08-31-88	<0.10	6.7	<0.010	<0.010	0.010	<0.010	6000	90
09-09-88	0.10	20	<0.010	0.050	0.090	0.010	5500	160

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
404553073383010	N	103. 3	211MGTY	08-02-88	389	113	6.1	13.5	32
404534073393301	N	650. 1	211MGTY	02-10-88	350	227	6.31	12.0	62
404453073323902	N	1197. 4	112GLCLU	10-13-87	69	318	5.51	14.0	68
404359073383201	N	1697. 1	211MGTY	02-10-88	528	83	5.61	13.5	15
404532073421001	N	1818. 1	211MGTY	08-24-88	235	660	6.2	19.5	140
404434073394001	N	2565. 2	211MGTY	02-10-88	410	267	5.95	13.0	73
404445073365101	N	2748. 3	211MGTY	02-09-88	515	85	5.85	13.0	22
404344073335601	N	3243. 1	211MGTY	08-30-88	303	136	5.4	11.5	33
404305073333104	N	3485. 4	211MGTY	02-17-88	585	62	5.13	12.5	13
404248073402301	N	3603. 2	211MGTY	02-08-88	498	69	6.00	13.0	15
404340073314701	N	3618. 1	211MGTY	02-17-88	420	45	5.33	12.0	6
404459073402401	N	3672. 2	211MGTY	02-10-88	452	246	7.04	12.0	65
404449073370703	N	3699. 1	211MGTY	09-12-88	89	--	--	--	54
404525073373201	N	4082. 1	211MGTY	02-08-88	467	51	6.04	12.5	11
404524073363201	N	4206. 1	211MGTY	02-09-88	360	152	5.83	12.0	41
404736073321201	N	4245. 1	211MGTY	02-16-88	571	120	5.95	12.0	37
404514073412402	N	4390. 3	211MGTY	03-08-88	301	377	6.23	13.5	140
404306073332901	N	4448. 1	211MGTY	02-17-88	555	25	5.84	12.0	2
404323073314601	N	4450. 1	211MGTY	02-17-88	472	100	5.01	12.0	19
404207073345501	N	4756. 2	211MGTY	02-18-88	312	30	5.27	13.0	4
404552073342001	N	5007. 1	211MGTY	03-03-88	259	62	6.63	11.5	11
404243073315802	N	5322. 1	211MGTY	02-17-88	515	60	4.43	12.0	7
404707073305301	N	6190. 1	211MGTY	08-10-88	605	144	5.6	12.0	33
404534073324301	N	6655. 1	211MGTY	06-22-88	236	351	5.86	13.0	81
404311073302502	N	6745. 1	211MGTY	08-25-88	349	177	5.8	13.5	47

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
08-02-88	6.8	3.6	7.0	0.9	18	9.0	9.1	<0.2	13	81	<0.01
02-10-88	13	6.8	16	1.3	30	13	14	<0.2	14	150	<0.01
10-13-87	22	3.2	23	5.6	11	33	36	<0.2	13	187	0.02
02-10-88	3.1	1.8	8.0	0.9	7	5.0	12	<0.2	7.9	50	<0.01
08-24-88	32	15	63	2.7	34	24	170	<0.2	22	354	<0.01
02-10-88	15	8.9	15	1.5	22	18	17	<0.2	15	160	<0.01
02-09-88	4.7	2.4	5.0	0.9	8	<5.0	5.9	<0.2	10	50	<0.01
08-30-88	9.1	2.6	11	0.7	7	<5.0	17	<0.2	7.4	77	<0.01
02-17-88	3.4	1.1	5.0	0.3	5	<5.0	5.1	<0.2	7.5	36	<0.01
02-08-88	2.9	1.8	3.0	0.8	8	<5.0	4.8	<0.2	11	40	<0.01
02-17-88	1.4	0.5	4.0	0.2	3	<5.0	3.3	<0.2	6.9	26	<0.01
02-10-88	13	8.1	24	1.4	70	22	15	<0.2	18	160	<0.01
09-12-88	17	2.8	33	3.6	16	24	43	<0.2	8.5	165	<0.01
02-08-88	2.4	1.1	5.0	0.6	8	<5.0	3.7	<0.2	9.6	35	<0.01
02-09-88	9.3	4.2	10	2.2	10	9.0	17	<0.2	14	100	<0.01
02-16-88	9.4	3.4	7.0	1.2	20	6.0	18	<0.2	15	87	<0.01
03-08-88	34	13	27	2.5	60	21	51	<0.2	21	220	0.36
02-17-88	0.2	0.3	<3.0	0.2	9	<5.0	1.4	<0.2	7.2	16	<0.01
02-17-88	5.2	1.5	8.0	0.7	3	<5.0	13	<0.2	7.3	57	<0.01
02-18-88	1.0	0.3	<3.0	0.1	8	<5.0	1.6	<0.2	7.0	16	<0.01
03-03-88	3.0	0.9	11	0.4	10	<5.0	4.0	<0.2	10	42	<0.01
02-17-88	1.6	0.6	4.0	0.5	2	9.0	9.3	<0.2	7.7	35	<0.01
08-10-88	8.2	3.0	9.0	0.8	8	<5.0	15	<0.2	7.8	91	<0.01
06-22-88	24	5.3	28	4.7	27	32	51	--	9.0	190	<0.01
08-25-88	11	4.8	12	0.9	13	24	21	<0.2	14	106	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

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)
08-02-88	<0.001	4.60	0.04	<0.01	<5	<200	<10	<1	<10	<50	<50
02-10-88	<0.001	11.0	0.06	<0.01	<5	<200	10	<1	<10	<50	<50
10-13-87	<0.001	10.0	0.03	<0.01	<5	<200	170	<1	<10	<50	150
02-10-88	<0.001	1.58	0.02	<0.01	<5	<200	<10	<1	<10	<50	<50
08-24-88	0.001	2.33	0.01	<0.01	<5	<200	30	<1	<10	<50	<50
02-10-88	<0.001	13.0	0.07	<0.01	<5	<200	20	<1	<10	170	<50
02-09-88	0.002	3.53	0.07	<0.01	<5	<200	<10	<1	<10	<50	<50
08-30-88	<0.001	5.72	<0.01	<0.01	<5	<200	<10	<1	<10	60	<50
02-17-88	<0.001	2.28	0.05	<0.01	<5	<200	<10	<1	<10	<50	<50
02-08-88	0.002	2.39	0.06	<0.01	<5	<200	<10	<1	<10	<50	<50
02-17-88	<0.001	1.80	<0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
02-10-88	<0.001	3.58	0.06	<0.01	<5	<200	<10	<1	<10	<50	<50
09-12-88	<0.001	5.82	0.03	<0.01	<5	<200	80	<1	<10	120	<50
02-08-88	0.002	1.72	0.06	<0.01	<5	<200	<10	<1	<10	<50	<50
02-09-88	0.001	5.45	0.05	<0.01	<5	<200	10	<1	<10	<50	<50
02-16-88	<0.001	3.94	<0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
03-08-88	<0.001	3.07	0.05	<0.01	<5	<200	40	<1	<10	<50	<50
02-17-88	<0.001	0.24	<0.01	<0.01	<5	<200	<10	<1	<10	60	<50
02-17-88	<0.001	4.25	<0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
02-18-88	<0.001	0.17	<0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
03-03-88	<0.001	0.95	0.07	<0.01	<5	<200	<10	<1	<10	<50	<50
02-17-88	<0.001	0.07	<0.01	<0.01	<5	<200	<10	<1	<10	<50	340
08-10-88	<0.001	9.60	0.03	<0.01	<5	<200	<10	<1	<10	220	<50
06-22-88	0.01	4.47	0.05	0.03	<5	<200	100	<1	20	60	<50
08-25-88	<0.001	2.28	<0.01	<0.01	<5	<200	10	<1	<10	<50	<50

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU 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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
08-02-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-10-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
10-13-87	<10	160	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
02-10-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
08-24-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	2.0	<5.0	<3.0
02-10-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-09-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
08-30-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
02-17-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-08-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-17-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-10-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
09-12-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	2.0	<5.0	<3.0
02-08-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-09-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-16-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
03-08-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
02-17-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-17-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-18-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
03-03-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-17-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-10-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
06-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
08-25-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
08-02-88	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<10	<0.02	<1.0	<5.0
02-10-88	<4.0	<5.0	9.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
10-13-87	<3.0	<4.0	<1.0	<1.0	5.0	19	<2.0	<9.0	<0.02	5.0	<6.0
02-10-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
08-24-88	<5.0	<4.0	190	1.0	<2.0	<1.0	<1.0	940	<0.02	390	<3.0
02-10-88	<4.0	<5.0	19	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-09-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
08-30-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
02-17-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-08-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-17-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-10-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
09-12-88	<5.0	<4.0	<1.0	<1.0	3.0	2.0	<1.0	<11	<0.02	<1.0	<3.0
02-08-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-09-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-16-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
03-08-88	<3.0	<6.0	16	--	<5.0	2.0	<2.0	<9.0	<0.02	5.0	<8.0
02-17-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-17-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-18-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
03-03-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-17-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
08-10-88	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<10	<0.02	<1.0	<5.0
06-22-88	<3.0	<4.0	3.0	<1.0	16	11	<1.0	9.0	<0.02	130	<5.0
08-25-88	<5.0	<4.0	1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
404433073402501	N 6865. 1	211MGTY	08-17-88	301	351	6.0	12.5	82
404635073331001	N 7030. 1	211MGTY	02-29-88	531	162	6.14	12.0	45
404319073400001	N 7058. 1	211MGTY	02-09-88	445	118	5.84	12.0	33
404213073405801	N 7117. 1	211MGTY	02-08-88	491	65	5.79	13.5	14
404231073375301	N 7219. 1	211MGTY	08-31-88	308	130	5.2	14.5	27
404326073314801	N 7248. 1	211MGTY	08-23-88	227	178	5.1	13.0	36
404552073341603	N 7353. 2	211MGTY	03-03-88	391	95	5.81	11.5	25
404237073433701	N 7493. 1	211MGTY	10-06-87	353	107	6.40	13.5	28
404418073345401	N 7500. 1	211MGTY	08-22-88	458	46	6.1	12.0	9
404536073410301	N 7512. 1	211MGTY	02-11-88	380	195	6.23	13.0	66
404425073380501	N 7524. 1	211MGTY	06-22-88	280	229	5.25	13.5	42
404557073304101	N 7531. 1	211MGTY	08-01-88	187	266	5.9	14.5	58
404518073295305	N 7536. 2	211MGTY	07-08-88	436	165	5.35	13.5	25
404532073422001	N 7560. 1	211MGTY	08-23-88	242	346	6.3	20.0	87
404455073324902	N 7561. 1	211MGTY	09-19-88	551	94	5.6	12.0	19
404639073311103	N 7562. 1	211MGTY	08-08-88	550	34	5.9	11.5	5
404345073412001	N 7649. 1	211MGTY	08-25-88	210	185	6.0	12.5	52
404220073353601	N 7764. 1	211MGTY	08-16-88	242	689	4.8	12.0	5
404526073353401	N 7785. 1	211MGTY	03-03-88	404	120	5.74	12.5	40
404543073354901	N 8007. 1	211MGTY	08-24-88	564	52	6.0	12.5	11
404357073364101	N 8068. 1	211MGTY	06-22-88	291	204	4.72	15.0	25
404401073315103	N 8321. 1	211MGTY	02-18-88	674	46	5.35	12.5	6
404633073301001	N 8364. 1	211MGTY	06-21-88	190	267	5.39	13.5	71
404541073330901	N 8472. 1	211MGTY	03-09-88	195	328	5.61	13.5	63
404325073363001	N 8474. 2	211MGTY	05-25-88	562	96	6.58	12.5	13

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
08-17-88	18	8.7	28	1.8	16	30	62	<0.2	13	195	0.08
02-29-88	12	3.7	7.0	0.9	9	17	7.2	<0.2	11	84	<0.01
02-09-88	6.8	3.8	8.0	1.0	10	9.0	8.9	<0.2	13	79	<0.01
02-08-88	3.1	1.6	4.0	0.7	7	10	3.9	<0.2	10	41	<0.01
08-31-88	6.1	2.9	8.0	1.1	3	26	18	<0.2	9.5	77	0.05
08-23-88	9.4	3.0	15	1.0	3	6.0	18	<0.2	9.3	91	<0.01
03-03-88	6.9	2.0	8.0	0.6	7	<5.0	10	<0.2	10	62	<0.01
10-06-87	6.0	3.2	7.0	0.7	14	<5.0	14	<0.2	15	70	<0.01
08-22-88	2.4	0.8	4.0	0.2	6	<5.0	4.0	<0.2	9.0	32	<0.01
02-11-88	13	8.3	10	1.5	40	19	14	<0.2	19	120	<0.01
06-22-88	9.6	4.3	15	2.2	9	42	30	<0.2	10	120	1.22
08-01-88	16	4.4	23	2.7	16	20	29	<0.2	9.6	160	<0.01
07-08-88	6.5	2.2	19	0.7	5	9.0	15	<0.2	7.9	110	<0.01
08-23-88	19	9.6	26	2.2	30	22	63	<0.2	23	190	<0.01
09-19-88	5.2	1.5	9.0	0.6	7	<5.0	12	<0.2	8.8	59	<0.01
08-08-88	1.3	0.5	4.0	0.4	8	<5.0	3.1	<0.2	6.9	27	<0.01
08-25-88	12	5.6	12	0.9	17	16	17	<0.2	15	109	<0.01
08-16-88	1.4	0.4	6.0	0.4	4	12	8.7	<0.2	7.2	41	<0.01
03-03-88	11	3.3	9.0	1.1	9	<5.0	14	<0.2	12	75	<0.01
08-24-88	2.3	1.2	5.0	0.5	13	<5.0	4.0	<0.2	9.2	34	<0.01
06-22-88	5.9	2.5	20	1.4	3	<5.0	49	<0.2	8.1	100	<0.01
02-18-88	1.1	0.7	5.0	0.5	7	<5.0	3.7	<0.2	7.0	27	<0.01
06-21-88	18	6.1	14	3.1	10	37	14	<0.2	15	156	<0.01
03-09-88	17	5.2	26	1.0	10	21	51	<0.2	9.9	150	<0.01
05-25-88	3.3	1.2	14	0.6	21	<5.0	7.9	--	7.8	60	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

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)
08-17-88	0.021	5.25	0.07	<0.01	<5	<200	30	<1	<10	<50	<50
02-29-88	0.003	4.32	0.04	<0.01	<5	<200	10	<1	<10	<50	70
02-09-88	0.003	5.09	0.04	<0.01	<5	<200	<10	<1	<10	<50	<50
02-08-88	0.002	0.61	0.12	<0.01	<5	<200	<10	<1	<10	<50	<50
08-31-88	<0.001	<0.01	0.01	<0.01	<5	<200	10	<1	<10	<50	3100
08-23-88	<0.001	6.34	0.05	<0.01	<5	<200	<10	<1	<10	<50	<50
03-03-88	<0.001	4.53	0.03	<0.01	<5	<200	<10	<1	<10	<50	<50
10-06-87	0.002	3.27	0.08	<0.01	<5	<200	10	<1	<10	<50	680
08-22-88	<0.001	1.68	0.05	<0.01	<5	<200	<10	<1	<10	<50	<50
02-11-88	<0.001	3.82	<0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
06-22-88	0.004	0.09	0.04	<0.01	<5	<200	40	<1	<10	<10	3000
08-01-88	<0.001	10.0	0.02	<0.01	<5	<200	90	<1	<10	<50	<50
07-08-88	0.004	10.2	0.05	<0.01	<5	<200	20	<1	<10	<50	<50
08-23-88	<0.01	2.04	0.06	<0.01	<5	<200	30	<1	<10	<50	<50
09-19-88	<0.001	4.09	0.13	<0.01	<5	<200	<10	<1	<10	<50	<50
08-08-88	<0.001	1.38	<0.01	<0.01	<5	<200	20	<1	<10	80	<50
08-25-88	<0.001	4.74	0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
08-16-88	<0.001	<0.01	0.07	<0.01	<5	<200	<10	<1	<10	<50	2600
03-03-88	<0.001	4.54	0.05	0.01	<5	<200	10	<1	<10	<50	<50
08-24-88	<0.001	0.99	0.02	<0.01	<5	<200	<10	<1	<10	<50	<50
06-22-88	<0.001	3.64	0.02	<0.01	<5	<200	20	<1	<10	100	<50
02-18-88	<0.001	1.15	0.02	<0.01	<5	<200	<10	<1	<10	<50	<50
06-21-88	<0.001	9.42	0.07	<0.01	<5	<200	190	<1	<10	<50	310
03-09-88	<0.001	4.04	0.01	<0.01	<5	<200	40	<1	<10	<50	60
05-25-88	0.004	2.69	<0.01	<0.01	<5	<200	<10	7	<10	<50	150

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU 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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
08-17-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
02-29-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-09-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-08-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
08-31-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
08-23-88	30	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
03-03-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
10-06-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
08-22-88	40	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
02-11-88	<10	<50	<50	<1	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
06-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
08-01-88	30	130	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
07-08-88	<10	<50	<50	<5	--	--	--	--	--	--	--
08-23-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-19-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
08-08-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-25-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
08-16-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
03-03-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-24-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
06-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
02-18-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
06-21-88	20	50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
03-09-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-25-88	50	60	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
08-17-88	<5.0	<4.0	2.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
02-29-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
02-09-88	<4.0	<5.0	2.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	17	<6.0
02-08-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	5.0	<6.0
08-31-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
08-23-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
03-03-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
10-06-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
08-22-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
02-11-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
06-22-88	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	9.0	<5.0
08-01-88	<4.0	<4.0	1.0	<1.0	<5.0	4.0	<2.0	<10	<0.02	1.0	<5.0
07-08-88	--	--	--	--	--	--	--	--	<0.02	--	--
08-23-88	<5.0	<4.0	51	1.0	<2.0	<1.0	<1.0	200	<0.02	130	<3.0
09-19-88	<3.0	<3.0	8.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	3.0	<4.0
08-08-88	<4.0	<4.0	2.0	<1.0	<5.0	39	<2.0	<10	<0.02	1.0	<5.0
08-25-88	<5.0	6.0	15	1.0	<2.0	3.0	<1.0	<11	<0.02	160	17
08-16-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
03-03-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
08-24-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
06-22-88	<3.0	<4.0	22	<1.0	<4.0	8.0	<1.0	10	<0.02	24	<5.0
02-18-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
06-21-88	<3.0	<4.0	1.0	<1.0	5.0	10	<1.0	<8.0	<0.02	1.0	<5.0
03-09-88	<3.0	<6.0	<1.0	--	<5.0	1.0	<2.0	<9.0	<0.02	<1.0	<8.0
05-25-88	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<1.0	<8.0	<0.02	<1.0	<4.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
404652073342601	N	8493. 1	211MGTY	03-08-88	255	42	6.29	9.0	7
404519073342903	N	8497. 2	211MGTY	03-03-88	544	56	5.98	12.0	14
404445073310406	N	8525. 2	211MGTY	08-08-88	503	165	5.2	12.0	34
404455073320301	N	8526. 1	211MGTY	08-08-88	601	59	5.9	12.5	12
404455073375301	N	8576. 1	211MGTY	02-08-88	510	97	5.85	13.0	25
404509073333402	N	8957. 1	211MGTY	05-25-88	589	41	6.17	12.0	8
404453073344702	N	8984. 1	112GLCLU	10-19-87	52	190	6.06	14.5	31
404600073313401	N	9018. 1	211MGTY	06-23-88	405	36	6.52	12.0	7
404242073342103	N	9057. 1	112GLCLU	10-22-87	47	268	5.64	14.0	69
404324073342201	N	9078. 1	112GLCLU	10-05-87	65	146	5.78	13.0	42
404504073302002	N	9079. 1	112GLCLU	10-07-87	70	569	6.02	15.5	91
404633073345401	N	9168. 1	211MGTY	09-06-88	217	87	6.2	11.5	28
404351073332702	N	9222. 1	112GLCLU	10-14-87	46	177	5.32	12.5	45
404410073333201	N	9239. 1	211MGTY	09-08-88	206	84	5.5	12.5	16
404331073324701	N	9252. 1	211MGTY	09-08-88	196	186	5.2	12.5	39
404550073330402	N	9341. 1	211MGTY	03-02-88	265	486	5.88	14.0	--
			211MGTY	03-02-88	265	486	5.88	14.0	72
404539073350101	N	9354. 1	112GLCLU	10-05-87	89	263	5.81	14.0	63
			112GLCLU	02-03-88	89	264	5.55	13.5	--
404414073325301	N	9449. 1	211MGTY	11-05-87	199	56	5.15	12.5	3
404414073325303	N	9451. 1	112GLCLU	10-14-87	42	279	5.76	14.5	79
404620073383401	N	9712. 1	112GLCLU	10-01-87	154	305	5.95	12.5	110
404356073361802	N	9713. 1	211MGTY	09-06-88	218	70	5.6	12.5	13
404547073401104	N	9768. 1	211MGTY	02-11-88	490	160	6.15	12.5	48
404330073353001	N	9802. 1	112GLCLU	10-01-87	146	130	6.26	12.5	32

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN AMMONIA TOTAL (MG/L AS N)
03-08-88	2.2	0.4	3.0	0.3	10	<5.0	3.3	<0.2	11	29	0.02
03-03-88	3.8	1.1	5.0	0.3	6	<5.0	4.7	<0.2	8.9	38	<0.01
08-08-88	8.7	2.9	13	1.0	4	<5.0	21	<0.2	7.5	106	<0.01
08-08-88	3.1	1.1	5.0	0.6	8	<5.0	4.9	<0.2	7.3	40	<0.01
02-08-88	5.6	2.6	7.0	1.1	9	<5.0	5.9	<0.2	9.7	57	<0.01
05-25-88	2.0	0.7	5.0	0.4	7	<5.0	4.2	--	9.4	32	<0.01
10-19-87	8.6	2.3	12	1.4	21	16	23	<0.2	4.0	77	0.20
06-23-88	1.5	0.7	4.0	0.5	4	<5.0	4.3	--	7.4	23	<0.01
10-22-87	22	3.5	11	3.6	8	35	32	<0.2	11	162	0.08
10-05-87	12	3.0	8.0	3.3	9	28	9.0	<0.2	8.2	93	<0.01
10-07-87	29	4.7	56	3.9	59	26	110	<0.2	5.1	309	0.19
09-06-88	6.9	2.7	7.0	0.8	30	<5.0	5.0	<0.2	21	67	<0.01
10-14-87	14	2.2	10	3.9	4	25	15	<0.2	12	113	<0.01
09-08-88	4.1	1.5	7.0	0.6	8	<5.0	6.0	<0.2	7.4	53	<0.01
09-08-88	9.9	3.5	16	1.2	5	31	16	<0.2	9.7	105	<0.01
03-02-88	20	5.5	66	1.9	20	61	65	<0.2	10	280	2.51
10-05-87	20	3.3	28	4.8	15	36	29	<0.2	16	191	0.16
02-03-88	--	--	--	--	--	--	--	--	--	--	--
11-05-87	1.3	<0.1	6.0	0.4	2	<5.0	9.7	<0.2	6.8	30	<0.01
10-14-87	28	2.2	16	3.7	10	41	32	<0.2	15	167	<0.01
10-01-87	25	11	18	2.0	26	34	46	<0.2	15	230	<0.01
09-06-88	3.1	1.2	7.0	0.6	7	<5.0	11	<0.2	8.0	45	0.03
02-11-88	9.8	5.8	8.0	1.1	30	12	13	<0.2	15	100	<0.01
10-01-87	11	1.2	9.0	0.7	17	6.0	18	<0.2	9.1	85	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
03-08-88	0.001	0.53	0.05	<0.01	<5	<200	<10	<1	<10	380	350
03-03-88	<0.001	2.36	0.03	<0.01	<5	<200	10	<1	<10	<50	<50
08-08-88	<0.001	11.2	<0.01	<0.01	<5	<200	20	<1	<10	<50	<50
08-08-88	<0.001	3.00	0.03	<0.01	<5	<200	20	<1	<10	<50	<50
02-08-88	0.002	4.46	0.01	<0.01	<5	<200	<10	<1	<10	<50	<50
05-25-88	0.003	1.23	<0.01	<0.01	<5	<200	10	3	<10	<50	100
10-19-87	0.022	2.71	0.14	0.07	<5	<200	60	<1	<10	<50	120
06-23-88	<0.001	0.56	0.04	<0.01	<5	<200	<10	<1	<10	<50	<50
10-22-87	0.003	8.70	<0.01	<0.01	<5	<200	110	<1	<10	<50	<50
10-05-87	0.002	3.39	0.13	<0.01	<5	<200	30	<1	40	<50	150
10-07-87	0.297	2.27	0.10	<0.01	<5	<200	90	<1	<10	<50	5600
09-06-88	0.003	1.04	0.02	<0.01	<5	<200	<10	<1	<10	<50	0
10-14-87	<0.001	6.24	0.02	<0.01	<5	<200	70	<1	<10	<50	<50
09-08-88	<0.001	4.78	0.05	<0.01	<5	<200	<10	<1	<10	<50	<50
09-08-88	0.005	3.16	0.04	<0.01	<5	<200	10	<1	<10	<50	550
03-02-88	0.038	8.61	0.04	<0.01	<5	<200	180	<1	<10	<50	120
10-05-87	0.004	9.82	0.05	<0.01	<5	<200	230	<1	<10	<50	910
02-03-88	--	--	--	--	--	--	--	--	--	--	--
11-05-87	0.005	1.03	0.07	<0.01	<5	<200	<10	<1	<10	<50	240
10-14-87	0.019	4.89	0.34	<0.01	<5	<200	80	<1	<10	<50	<50
10-01-87	0.011	13.0	0.02	<0.01	<5	<200	30	<1	<10	<50	460
09-06-88	0.005	1.90	0.04	0.01	<5	<200	<10	<1	<10	<50	740
02-11-88	<0.001	4.60	<0.01	<0.01	<5	<200	170	<1	<10	<50	<50
10-01-87	<0.001	4.42	0.07	<0.01	<5	<200	<10	<1	<10	<50	50

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU 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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
03-08-88	<10	50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
03-03-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-08-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-08-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
02-08-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
05-25-88	10	60	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
10-19-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
06-23-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-22-87	<10	180	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-05-87	60	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-07-87	<10	19000	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	210
09-06-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<7.0	<3.0
10-14-87	<10	180	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
09-08-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-08-88	<10	70	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
03-02-88	--	--	--	--	--	<0.2	0.4	0.4	1.4	0.2	0.4
03-02-88	<10	160	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
10-05-87	<10	900	<50	<5	--	--	--	--	--	--	--
02-03-88	--	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
11-05-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
10-14-87	<10	300	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-01-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
09-06-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<7.0	<3.0
02-11-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
10-01-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
03-08-88	<3.0	<6.0	<1.0	--	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<8.0
03-03-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<1.0
08-08-88	<4.0	<4.0	10	<1.0	<5.0	<1.0	<2.0	<10	<0.02	<1.0	<5.0
08-08-88	<4.0	<4.0	7.0	<1.0	<5.0	12	<2.0	<10	<0.02	7.0	<5.0
02-08-88	<4.0	<5.0	3.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	2.0	<6.0
05-25-88	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<1.0	<8.0	<0.02	<1.0	<4.0
10-19-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	0.13	<1.0	<6.0
06-23-88	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<5.0
10-22-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-05-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-07-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	45	<0.02	12.0	12
09-06-88	<6.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<10
10-14-87	<3.0	<4.0	<1.0	<1.0	<5.0	3.0	<2.0	<9.0	<0.02	<1.0	<6.0
09-08-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-08-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
03-02-88	2.1	<0.2	310	0.4	2.9	11	<0.2	<0.2	--	810	9.3
03-02-88	5.0	12	280	--	<60	20	<1.0	190	0.11	660	22
10-05-87	<0.2	<0.2	0.3	<0.2	<0.2	0.7	<0.2	<0.2	<0.02	0.3	<0.2
02-03-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	--	<1.0	<6.0
11-05-87	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<2.0	<5.0	<0.02	<1.0	<6.0
10-14-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-01-87	<3.0	<4.0	10	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<4.0
09-06-88	<6.0	<5.0	<1.0	<1.0	<2.0	3.0	<1.0	<11	<0.02	<1.0	<10
02-11-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
10-01-87	<3.0	<4.0	<1.0	<1.0	8.0	180	<2.0	<9.0	<0.02	24.0	<6.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
404330073353002	N 9803. 1	211MGTY	10-01-87	62	298	5.75	13.5	61
404435073334301	N 9939. 1	112GLCLU	10-28-87	74	219	5.17	14.0	46
			11-23-87	74	211	5.32	14.0	42
			01-11-88	74	219	5.44	13.5	52
			01-29-88	74	213	5.02	13.5	48
			02-23-88	74	226	4.74	14.0	50
			03-29-88	74	226	4.94	14.0	51
			04-25-88	74	222	4.94	14.0	44
			05-25-88	74	227	5.07	14.0	44
			06-27-88	74	229	4.61	14.5	45
			07-28-88	74	230	5.3	14.5	46
			08-31-88	74	226	5.1	14.5	47
			09-29-88	74	223	5.0	14.0	46
404523073363401	N 9940. 1	112GLCLU	02-02-88	53	126	5.67	13.5	--
			05-10-88	53	161	5.59	14.0	--
404442073362401	N 9941. 1	112GLCLU	02-02-88	50	241	5.36	15.0	--
			06-02-88	50	272	5.42	15.0	--
404456073381501	N 9942. 1	112GLCLU	04-06-88	69	340	5.70	14.5	--
404342073380501	N 9943. 1	112GLCLU	06-03-88	69	438	6.13	15.0	--
404411073400501	N 9944. 1	112GLCLU	06-08-88	80	287	5.57	14.5	--
404258073395601	N 9945. 1	112GLCLU	04-07-88	67	237	6.21	13.5	--
404531073393501	N 9946. 1	112GLCLU	03-31-88	60	168	5.43	13.0	--
404319073432901	N 9947. 1	112GLCLU	10-06-87	109	302	6.32	14.5	100
404513073353401	N 9950. 1	112GLCLU	06-25-88	69	--	--	--	--
404412073363401	N 9959. 1	112GLCLU	10-06-87	54	105	6.60	14.5	14
404446073372401	N 9962. 1	112GLCLU	10-13-87	54	263	6.34	13.0	85
404232073432501	N 9979. 1	112GLCLU	10-22-87	95	517	6.02	14.0	150

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN AMMONIA TOTAL (MG/L AS N)
10-01-87	19	3.3	29	3.8	14	25	49	<0.2	8.8	175	<0.01
10-28-87	14	2.9	19	4.2	5	26	21	<0.2	11	140	<0.01
11-23-87	12	3.2	18	4.1	5	25	23	<0.2	12	138	<0.01
01-11-88	16	3.1	14	4.4	7	25	23	<0.2	12	130	<0.01
01-29-88	14	3.0	17	4.5	2	27	22	<0.2	11	130	<0.01
02-23-88	15	3.1	17	4.3	2	28	23	<0.2	12	140	<0.01
03-29-88	15	3.1	17	4.2	3	28	22	<0.2	12	140	<0.01
04-25-88	13	2.8	17	4.4	4	26	23	--	11	140	<0.01
05-25-88	13	3.1	15	4.1	4	25	23	--	12	130	<0.01
06-27-88	13	3.1	18	4.1	6	27	21	--	11	133	<0.01
07-28-88	13	3.3	17	4.4	4	27	21	<0.2	11	133	0.07
08-31-88	14	3.0	18	4.4	5	29	23	<0.2	12	140	<0.01
09-29-88	13	3.2	19	4.3	2	30	21	<0.2	12	139	<0.01
02-02-88	--	--	--	--	--	--	--	--	--	--	--
05-10-88	--	--	--	--	--	--	--	--	--	--	--
02-02-88	--	--	--	--	--	--	--	--	--	--	--
06-02-88	--	--	--	--	--	--	--	--	--	--	--
04-06-88	--	--	--	--	--	--	--	--	--	--	--
06-03-88	--	--	--	--	--	--	--	--	--	--	--
06-08-88	--	--	--	--	--	--	--	--	--	--	--
04-07-88	--	--	--	--	--	--	--	--	--	--	--
03-31-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	21	12	11	2.1	40	43	27	<0.2	22	185	<0.01
06-25-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	4.2	0.8	12	1.0	33	8.0	9.9	<0.2	4.6	62	<0.01
10-13-87	29	3.2	11	2.9	50	29	16	<0.2	6.2	149	<0.01
10-22-87	38	13	17	2.4	26	48	75	<0.2	21	292	0.05

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

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)
10-01-87	<0.001	6.50	0.03	<0.01	<5	<200	50	<1	<10	<50	<50
10-28-87	<0.001	8.55	0.02	<0.01	<5	<200	70	<1	<10	<50	50
11-23-87	<0.001	8.54	0.02	<0.01	<5	<200	70	<1	<10	<50	60
01-11-88	<0.001	6.70	0.14	<0.01	<5	<200	70	<1	<10	<50	<50
01-29-88	<0.001	5.68	0.01	<0.01	<5	<200	70	<1	<10	<50	<50
02-23-88	<0.001	7.65	0.05	<0.01	<5	<200	60	<1	<10	<50	<50
03-29-88	<0.001	8.13	0.06	<0.01	<5	<200	70	<1	<10	<50	<50
04-25-88	<0.001	8.12	0.05	<0.01	<5	<200	70	<1	<10	<50	<50
05-25-88	<0.001	7.36	0.01	<0.01	<5	<200	70	<1	<10	<50	<50
06-27-88	<0.001	6.93	<0.01	<0.01	<5	<200	70	<1	<10	<50	<50
07-28-88	<0.001	7.17	0.03	<0.01	<5	<200	80	<1	<10	<50	<50
08-31-88	<0.001	6.79	0.01	<0.01	<5	<200	70	<1	<10	<50	<50
09-29-88	0.001	7.50	0.16	<0.01	<5	<200	70	1	<10	<50	<50
02-02-88	--	--	--	--	--	--	--	--	--	--	--
05-10-88	--	--	--	--	--	--	--	--	--	--	--
02-02-88	--	--	--	--	--	--	--	--	--	--	--
06-02-88	--	--	--	--	--	--	--	--	--	--	--
04-06-88	--	--	--	--	--	--	--	--	--	--	--
06-03-88	--	--	--	--	--	--	--	--	--	--	--
06-08-88	--	--	--	--	--	--	--	--	--	--	--
04-07-88	--	--	--	--	--	--	--	--	--	--	--
03-31-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	<0.001	4.93	0.08	<0.01	<5	<200	60	<1	<10	<50	390
06-25-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	<0.001	<0.01	0.08	<0.01	<5	<200	40	<1	<10	<50	1600
10-13-87	0.009	4.69	0.02	<0.01	<5	<200	50	<1	<10	<50	530
10-22-87	0.005	14.0	0.16	<0.01	<5	<200	50	<1	<10	<50	190

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU 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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
10-01-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-28-87	<10	960	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
11-23-87	<10	950	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
01-11-88	<10	1000	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
01-29-88	<10	1000	<50	<5	<0.5	<1.0	<1.0	<1.0	1.0	<4.0	<3.0
02-23-88	<10	990	<50	<5	<0.5	<1.0	<1.0	<2.0	1.0	<4.0	<3.0
03-29-88	<10	1000	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-25-88	<10	970	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-25-88	<10	1000	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
06-27-88	<10	990	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
07-28-88	<10	980	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-31-88	<10	930	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-29-88	<10	870	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
02-02-88	--	--	--	--	--	--	--	--	--	--	--
05-10-88	--	--	--	--	--	--	--	--	--	--	--
02-02-88	--	--	--	--	--	--	--	--	--	--	--
06-02-88	--	--	--	--	--	--	--	--	--	--	--
04-06-88	--	--	--	--	--	--	--	--	--	--	--
06-03-88	--	--	--	--	--	--	--	--	--	--	--
06-08-88	--	--	--	--	--	--	--	--	--	--	--
04-07-88	--	--	--	--	--	--	--	--	--	--	--
03-31-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
06-25-88	--	--	--	--	--	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
10-06-87	<10	70	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-13-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
10-22-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	4.0	<3.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
10-01-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-28-87	<3.0	<4.0	12	<1.0	<4	1.0	<2.0	12	<0.02	2.0	<6.0
11-23-87	<3.0	<4.0	13	<1.0	<4.0	2.0	<2.0	14	<0.02	2.0	<6.0
01-11-88	<3.0	<4.0	7.0	--	<5.0	<1.0	<1.0	<11	<0.02	<2.0	<5.0
01-29-88	<4.0	<5.0	11	--	<8.0	2.0	<3.0	7.0	<0.02	2.0	<6.0
02-23-88	<5.0	<7.0	11	--	<6.0	2.0	<1.0	7.0	<0.02	2.0	<8.0
03-29-88	<3.0	<6.0	9.0	--	<5.0	1.0	<2.0	9.0	<0.02	2.0	<8.0
04-25-88	<4.0	<8.0	7.0	<1.0	<4.0	1.0	<1.0	8.0	<0.02	<1.0	<9.0
05-25-88	<3.0	<4.0	8.0	<1.0	<5.0	1.0	<1.0	10	<0.02	1.0	<4.0
06-27-88	<3.0	<4.0	8.0	<1.0	<4.0	1.0	<1.0	11	<0.02	1.0	<5.0
07-28-88	<4.0	<4.0	8.0	<1.0	<5.0	1.0	<2.0	10	<0.02	1.0	<5.0
08-31-88	<5.0	<4.0	7.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-29-88	<3.0	<3.0	10	<1.0	<2.0	2.0	<1.0	10	<0.02	2.0	<4.0
02-02-88	--	--	--	--	--	--	--	--	--	--	--
05-10-88	--	--	--	--	--	--	--	--	--	--	--
02-02-88	--	--	--	--	--	--	--	--	--	--	--
06-02-88	--	--	--	--	--	--	--	--	--	--	--
04-06-88	--	--	--	--	--	--	--	--	--	--	--
06-03-88	--	--	--	--	--	--	--	--	--	--	--
06-08-88	--	--	--	--	--	--	--	--	--	--	--
04-07-88	--	--	--	--	--	--	--	--	--	--	--
03-31-88	--	--	--	--	--	--	--	--	--	--	--
10-06-87	<3.0	<4.0	2.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
06-25-88	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	<0.2	<0.2
10-06-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-13-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0
10-22-87	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<6.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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)
404251073404601	N 9984. 1	112GLCLU	01-29-88	60	307	5.63	13.5	78
		112GLCLU	02-23-88	60	314	5.53	14.0	81
		112GLCLU	03-29-88	60	344	5.59	14.0	99
		112GLCLU	04-25-88	60	330	5.64	14.5	73
		112GLCLU	05-26-88	60	307	5.71	14.5	58
		112GLCLU	06-27-88	60	318	5.59	15.0	65
		112GLCLU	07-26-88	60	316	5.9	15.5	57
		112GLCLU	08-31-88	60	307	5.8	14.5	64
		112GLCLU	09-29-88	60	304	5.7	14.5	64
404259073380602	N 10033. 2	211MGTY	02-09-88	545	66	5.38	12.5	11
404338073371502	N 10035. 1	112GLCLU	10-01-87	56	203	6.25	15.5	33
404418073361601	N 10043. 1	211MGTY	02-25-88	188	156	5.14	14.5	33

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)
01-29-88	27	2.7	25	2.9	12	33	42	<0.2	13	180	<0.01
02-23-88	28	3.0	24	4.3	10	33	49	<0.2	13	190	<0.01
03-29-88	35	3.0	30	3.0	20	29	58	<0.2	13	210	<0.01
04-25-88	25	2.3	33	3.0	12	31	52	--	12	200	<0.01
05-26-88	20	2.3	31	2.7	14	28	45	--	12	175	<0.01
06-27-88	22	2.6	33	2.8	19	24	51	--	12	189	<0.01
07-26-88	19	2.3	31	2.8	13	27	43	<0.2	12	175	<0.01
08-31-88	22	2.3	29	2.7	10	29	44	<0.2	12	180	<0.01
09-29-88	22	2.3	30	2.6	10	29	44	<0.2	12	178	<0.01
02-09-88	2.5	1.2	5.0	0.9	4	8.0	7.9	<0.2	7.9	37	<0.01
10-01-87	9.3	2.4	24	1.3	24	11	29	<0.2	5.2	115	<0.01
02-25-88	7.2	3.7	14	3.6	6	6.0	20	<0.2	9.7	100	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

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)
01-29-88	0.001	6.92	0.01	<0.01	<5	<200	30	<1	<10	<50	<50
02-23-88	<0.001	5.76	0.03	<0.01	<5	<200	30	<1	<10	<50	<50
03-29-88	0.002	6.69	0.04	<0.01	<5	<200	40	<1	<10	<50	<50
04-25-88	<0.001	6.69	0.01	<0.01	<5	<200	40	<1	<10	<50	<50
05-26-88	0.002	5.91	0.01	<0.01	<5	<200	40	<1	<10	<50	<50
06-27-88	<0.001	6.83	0.02	<0.01	<5	<200	40	<1	<10	<50	200
07-26-88	<0.001	6.82	0.02	<0.01	<5	<200	40	<1	<10	<50	<50
08-31-88	<0.001	7.05	0.01	<0.01	<5	<200	40	<1	<10	<50	<50
09-29-88	0.002	6.72	0.11	<0.01	<5	<200	40	<1	<10	<50	<50
02-09-88	0.002	0.03	0.07	<0.01	<5	<200	<10	<1	<10	<50	480
10-01-87	<0.001	4.19	0.03	<0.01	<5	<200	50	<1	<10	<50	<50
02-25-88	<0.001	7.25	<0.01	<0.01	<5	<200	30	<1	<10	<50	<50

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)	MERCURY DISSOLVED (UG/L AS HG)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLORIDE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)
01-29-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-23-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
03-29-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-25-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-26-88	<10	100	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
06-27-88	<10	170	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
07-26-88	<10	130	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
08-31-88	<10	190	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-29-88	<10	200	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<8.0	<3.0
02-09-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
10-01-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
02-25-88	<10	<50	<50	<5	<0.5	<1.0	1.0	<2.0	3.0	<4.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
01-29-88	<4.0	<5.0	<1.0	--	<6.0	1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-23-88	<5.0	<7.0	<1.0	--	<6.0	1.0	<1.0	<7.0	<0.02	<1.0	<8.0
03-29-88	<3.0	<6.0	<1.0	--	<5.0	2.0	<2.0	<9.0	<0.02	<1.0	<8.0
04-25-88	<4.0	<8.0	<1.0	<1.0	<4.0	2.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-26-88	<3.0	<4.0	<1.0	<1.0	<5.0	1.0	<1.0	<8.0	<0.02	<1.0	<4.0
06-27-88	<3.0	<4.0	<1.0	<1.0	<4.0	1.0	<1.0	<8.0	<0.02	<1.0	<5.0
07-26-88	<4.0	<4.0	<1.0	<1.0	<5.0	1.0	<2.0	<10	<0.02	<1.0	<5.0
08-31-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-29-88	<3.0	<3.0	<1.0	<1.0	<2.0	1.0	<1.0	<6.0	<0.02	<1.0	<4.0
02-09-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
10-01-87	<3.0	<4.0	16	<1.0	<5.0	<1.0	<2.0	<9.0	<0.02	24.0	<6.0
02-25-88	<5.0	<7.0	<1.0	--	<6.0	1.0	<1.0	<7.0	<0.02	4.0	<8.0

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.
- 211RNCF - Raritan Confining Unit, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1988 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 17	N 2580	N 4390	N 5703	N 7515	N 8354	N 9713
N 22	N 2597	N 4393	N 5762	N 7516	N 8409	N 9768
N 28	N 2613	N 4400	N 5852	N 7521	N 8413	N 9792
N 31	N 2748	N 4405	N 5884	N 7522	N 8414	N 9809
N 36	N 2920	N 4411	N 5947	N 7523	N 8420	N 9846
N 37	N 2923	N 4425	N 6076	N 7526	N 8426	N 9892
N 46	N 3129	N 4447	N 6077	N 7548	N 8457	N 9893
N 68	N 3443	N 4448	N 6087	N 7549	N 8474	N 9895
N 69	N 3456	N 4450	N 6092	N 7561	N 8475	N 9896
N 72	N 3457	N 4451	N 6093	N 7562	N 8480	N 9897
N 75	N 3465	N 4462	N 6146	N 7593	N 8482	N 9898
N 79	N 3474	N 4602	N 6148	N 7620	N 8483	N 9899
N 80	N 3475	N 4623	N 6149	N 7649	N 8557	N 9900
N 82	N 3520	N 4756	N 6150	N 7650	N 8558	N 9901
N 83	N 3603	N 4757	N 6190	N 7651	N 8576	N 9902
N 95	N 3604	N 4758	N 6192	N 7747	N 8603	N 9903
N 97	N 3605	N 4759	N 6193	N 7776	N 8629	N 9905
N 101	N 3618	N 4859	N 6315	N 7781	N 8657	N 9907
N 103	N 3668	N 4860	N 6442	N 7785	N 8658	N 9914
N 104	N 3672	N 5007	N 6443	N 7796	N 8664	N 9918
N 119	N 3673	N 5121	N 6450	N 7797	N 8665	N 9919
N 133	N 3687	N 5129	N 6455	N 7831	N 8767	N 9920
N 134	N 3699	N 5147	N 6580	N 7852	N 8774	N 9921
N 152	N 3700	N 5153	N 6644	N 7855	N 8775	N 9922
N 198	N 3720	N 5155	N 6651	N 7873	N 8776	N 9924
N 585	N 3722	N 5156	N 6744	N 7957	N 8779	N 9928
N 617	N 3732	N 5163	N 6745	N 8004	N 8818	N 9929
N 650	N 3733	N 5187	N 6817	N 8007	N 8875	N 9931
N 651	N 3745	N 5193	N 6866	N 8010	N 8956	N 9932
N 687	N 3781	N 5194	N 6867	N 8011	N 8957	N 9939
N 693	N 3832	N 5195	N 6893	N 8031	N 8979	N 9940
N 700	N 3876	N 5209	N 6915	N 8054	N 8984	N 9941
N 1102	N 3878	N 5227	N 6916	N 8183	N 9078	N 9942
N 1176	N 3905	N 5260	N 6945	N 8195	N 9079	N 9943
N 1298	N 3935	N 5302	N 6956	N 8196	N 9088	N 9945
N 1346	N 3937	N 5303	N 7006	N 8214	N 9151	N 9948
N 1402	N 3953	N 5308	N 7058	N 8216	N 9168	N 9956
N 1601	N 4043	N 5318	N 7076	N 8217	N 9173	N 9957
N 1602	N 4077	N 5320	N 7104	N 8218	N 9180	N 9958
N 1603	N 4082	N 5321	N 7117	N 8233	N 9210	N 9961
N 1618	N 4095	N 5322	N 7157	N 8249	N 9211	N 9964
N 1697	N 4096	N 5450	N 7216	N 8250	N 9212	N 9968
N 1715	N 4132	N 5484	N 7298	N 8251	N 9334	N 9980
N 1870	N 4206	N 5596	N 7407	N 8264	N 9338	N 10034
N 1958	N 4223	N 5603	N 7421	N 8279	N 9446	N 10144
N 2115	N 4245	N 5653	N 7445	N 8313	N 9452	N 10149
N 2214	N 4265	N 5654	N 7446	N 8321	N 9488	N 10195
N 2400	N 4298	N 5656	N 7482	N 8326	N 9520	N 10207
N 2413	N 4327	N 5672	N 7512	N 8339	N 9521	N 10208
N 2414	N 4388	N 5695	N 7513	N 8342	N 9591	N 10211
N 2565	N 4389	N 5696				

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1988 water year by the agency listed below. For further information, contact:

Nassau County Department of Public Works
Water Supply Unit
170 Cantiague Rock Road
Hicksville, NY 11801

Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier
N 1102	N 1281	N 7161	N 8875	N 9316	N 9668	N 9946
N 1106	N 1422	N 7207	N 8877	N 9332	N 9669	N 9948
N 1108	N 1429	N 7235	N 8879	N 9333	N 9670	N 9979
N 1114	N 1432	N 7397	N 8891	N 9353	N 9694	N 9980
N 1116	N 1442	N 7478	N 8933	N 9355	N 9711	N 9981
N 1118	N 1453	N 8203	N 8938	N 9356	N 9802	N 9982
N 1129	N 1455	N 8269	N 8939	N 9358	N 9803	N 9983
N 1131	N 1457	N 8374	N 8940	N 9359	N 9804	N 9999
N 1132	N 1625	N 8550	N 8943	N 9366	N 9805	N 10000
N 1139	N 2635	N 8598	N 8944	N 9468	N 9899	N 10001
N 1148	N 2790	N 8629	N 8958	N 9469	N 9914	N 10002
N 1152	N 3707	N 8630	N 8970	N 9470	N 9917	N 10003
N 1164	N 3708	N 8631	N 8984	N 9472	N 9918	N 10004
N 1167	N 3710	N 8634	N 9054	N 9473	N 9919	N 10005
N 1168	N 3711	N 8636	N 9057	N 9476	N 9920	N 10006
N 1169	N 3861	N 8644	N 9077	N 9478	N 9921	N 10008
N 1183	N 3864	N 8645	N 9078	N 9607	N 9922	N 10010
N 1189	N 3865	N 8646	N 9079	N 9608	N 9923	N 10011
N 1190	N 3866	N 8647	N 9088	N 9609	N 9925	N 10035
N 1197	N 3867	N 8651	N 9089	N 9647	N 9926	N 10085
N 1223	N 3932	N 8652	N 9098	N 9648	N 9927	N 10200
N 1225	N 4026	N 8653	N 9099	N 9649	N 9928	N 10245
N 1227	N 4062	N 8654	N 9100	N 9650	N 9930	N 10252
N 1232	N 4213	N 8655	N 9115	N 9651	N 9931	N 10291
N 1233	N 5227	N 8669	N 9116	N 9652	N 9932	N 10292
N 1236	N 5250	N 8698	N 9117	N 9654	N 9933	N 10425
N 1239	N 6581	N 8717	N 9118	N 9658	N 9935	N 10430
N 1240	N 6701	N 8728	N 9127	N 9659	N 9936	N 10606
N 1243	N 6703	N 8749	N 9152	N 9660	N 9938	N 10620
N 1246	N 6706	N 8752	N 9154	N 9661	N 9939	N 10667
N 1250	N 6707	N 8788	N 9189	N 9662	N 9940	N 10912
N 1251	N 6849	N 8832	N 9208	N 9663	N 9942	N 10977
N 1253	N 6850	N 8838	N 9271	N 9664	N 9943	N 10979
N 1263	N 6851	N 8848	N 9309	N 9665	N 9944	N 11002
N 1274	N 6853	N 8849	N 9313	N 9667	N 9945	N 11067
N 1280	N 6928	N 8873	N 9314			

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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)
404908072473002	S 33920. 1	211MGTY	06-21-88	629.00	54	5.99
		211MGTY	06-21-88	629.00	54	5.99
405409073061402	S 37301. 1	211MGTY	06-22-88	315.00	66	6.15
405136072464500	S 47755. 1	112GLCLU	05-13-88	58.00	71	5.43
405139072385002	S 48584. 1	112GLCLU	10-06-87	89.00	30	5.80
		112GLCLU	06-27-88	89.00	42	5.96
405349072494101	S 51592. 1	112GLCLU	09-13-88	42.00	76	5.54
404357072515702	S 52163. 1	211MGTY	10-01-87	1305.00	109	8.00
		211MGTY	09-12-88	1305.00	--	--
404357072515703	S 52164. 1	211MGTY	10-01-87	735.00	61	6.50
		211MGTY	09-12-88	735.00	75	8.33
404558072521001	S 52943. 1	112GLCLU	06-29-88	310.00	75	5.97
403935073235001	S 66136. 1	211MGTY	09-15-88	144.00	35	5.92
403935073235002	S 67537. 1	112GLCLU	09-14-88	61.00	--	7.71
405155073045203	S 70488. 1	112GLCLU	06-28-88	440.00	50	6.68
404836072510401	S 71881. 1	211MGTY	06-29-88	305.00	57	6.30
404816072560901	S 72121. 1	112GLCLU	11-17-87	66.00	43	5.80
405102072450601	S 73807. 1	112GLCLU	06-22-88	100.00	118	5.43
405014072465701	S 73811. 1	112GLCLU	05-12-88	85.00	45	6.03
405330072453901	S 74301. 1	112GLCLU	06-21-88	109.00	44	5.88
405045072472602	S 74295. 1	112GLCLU	05-10-88	56.00	51	6.20
		112GLCLU	05-10-88	56.00	51	6.20
405014072465703	S 77637. 1	211MGTY	06-23-88	275.00	57	5.59
404701072545901	S 78151. 1	211MGTY	10-13-87	164.00	66	6.41
403935073235003	S 79407. 1	211LLYD	09-15-88	1219.00	59	6.43
403935073235004	S 79408. 1	211MGTY	09-15-88	680.00	30	5.52
405536072375302	S 82939. 1	211MGTY	08-10-88	162.00	226	7.10
404846072533204	S 84806. 1	211MGTY	10-15-87	849.00	74	6.71

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	TEMPERATURE WATER (DEG C)	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	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
06-21-88	11.0	3.8	1.1	4.4	0.35	14	14	5.1	5.3
06-21-88	11.0	3.8	1.1	4.4	0.37	14	12	4.7	5.5
06-22-88	10.5	3.9	1.5	6.1	0.56	14	13	2.6	6.7
05-13-88	12.0	2.4	1.6	6.9	0.70	5	4.0	9.7	11
10-06-87	1.0	1.6	1.0	3.8	0.60	5	--	5.7	5.5
06-27-88	10.5	1.5	1.1	3.6	0.58	5	4.0	5.8	5.6
09-13-88	12.5	2.1	0.90	11	0.50	--	4.0	7.2	13
10-01-87	15.0	0.50	0.20	25	4.3	55	--	1.1	6.7
09-12-88	--	0.29	0.54	25	4.6	--	54	2.0	7.2
10-01-87	13.0	0.60	0.50	4.2	13	32	--	<0.50	4.6
09-12-88	17.5	0.56	1.0	12	5.0	--	33	0.30	4.6
06-29-88	11.0	2.8	1.3	8.7	0.83	9	9.0	7.9	11
09-15-88	13.5	0.82	1.2	2.8	0.40	--	5.0	3.9	3.8
09-14-88	14.5	21	1.6	3.0	0.40	--	62	4.0	3.8
06-28-88	10.5	3.6	1.3	3.8	0.42	16	17	2.8	3.6
06-29-88	10.5	5.2	0.94	4.0	0.38	17	17	4.9	4.4
11-17-87	10.5	0.89	1.5	4.0	0.39	8	3.0	6.1	10
06-22-88	11.5	2.9	2.4	14	0.99	4	4.0	7.2	25
05-12-88	--	1.5	1.2	4.5	0.47	6	5.0	7.1	6.1
06-21-88	10.5	1.7	1.1	4.3	0.33	5	11	6.6	5.3
05-10-88	10.5	2.1	1.4	5.1	0.47	8	8.0	6.2	7.3
05-10-88	10.5	2.2	1.4	5.1	0.48	8	8.0	6.4	7.1
06-23-88	10.5	3.0	1.2	5.0	0.51	--	6.0	8.8	6.9
10-13-87	11.5	5.6	1.9	4.5	0.60	22	20	5.2	4.8
09-15-88	14.0	0.53	0.38	6.4	0.30	--	18	5.8	3.2
09-15-88	14.0	0.42	0.42	2.8	0.40	--	6.0	2.6	3.7
08-10-88	13.0	17	5.4	14	0.96	29	28	6.1	44
10-15-87	13.0	4.7	2.0	5.7	0.81	28	26	3.1	5.7

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
06-21-88	0.20	13	0.002	<0.010	0.007	0.040	280	40
06-21-88	0.10	13	0.001	<0.010	0.008	0.040	340	30
06-22-88	0.20	12	0.001	<0.010	0.005	<0.010	<10	10
05-13-88	0.20	1.7	0.001	<0.010	<0.002	0.020	1500	30
10-06-87	--	--	<0.001	--	--	--	--	--
06-27-88	<0.10	6.4	0.003	<0.010	0.006	<0.010	40	<10
09-13-88	<0.10	6.0	<0.010	<0.010	<0.010	<0.010	540	30
10-01-87	--	--	<0.001	--	--	--	--	--
09-12-88	0.10	0.99	<0.010	0.290	<0.010	0.050	940	50
10-01-87	--	--	<0.001	--	--	--	--	--
09-12-88	0.10	0.92	<0.010	<0.010	0.030	0.020	1200	50
06-29-88	0.30	9.4	0.002	--	0.023	0.050	<10	20
09-15-88	<0.10	8.0	<0.010	0.020	<0.010	0.010	260	20
09-14-88	0.10	8.4	<0.010	<0.010	<0.010	0.040	70	290
06-28-88	0.30	15	--	--	0.038	0.020	<10	<10
06-29-88	0.30	15	--	--	0.048	0.060	250	30
11-17-87	0.10	7.1	--	--	0.012	--	--	--
06-22-88	0.10	9.0	0.002	<0.010	0.007	0.010	<10	10
05-12-88	0.10	7.9	0.002	<0.010	0.005	0.010	4800	60
06-21-88	0.20	9.2	0.002	<0.010	0.003	0.020	10	20
05-10-88	0.10	11	0.001	0.010	0.006	0.010	40	<10
05-10-88	0.10	11	0.002	<0.010	0.016	<0.010	40	<10
06-23-88	0.10	12	0.007	<0.010	0.004	<0.010	<10	<10
10-13-87	0.20	15	0.002	0.040	0.032	0.040	160	10
09-15-88	0.10	7.8	<0.010	<0.010	<0.010	0.010	2000	50
09-15-88	<0.10	6.8	<0.010	<0.010	<0.010	0.010	10	<10
08-10-88	0.10	16	<0.005	0.010	0.011	0.020	140	520
10-15-87	0.10	12	<0.001	0.010	<0.002	<0.010	530	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK 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)
404846072533203	S 84808. 1	211MGTY	10-13-87	109.00	80	6.78
404433073244906	S 87041. 1	211LLYD	08-22-88	983.00	33	5.68
		211LLYD	08-22-88	983.00	33	5.68

DATE	TEMPERATURE WATER (DEG C)	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	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
10-13-87	11.0	6.9	1.9	5.2	0.96	31	28	3.5	5.0
08-22-88	13.0	0.27	0.14	3.7	0.40	6	5.0	4.5	3.4
08-22-88	13.0	0.27	0.16	3.6	0.36	6	5.0	4.6	3.3

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
10-13-87	0.20	17	0.001	0.030	0.031	0.070	1900	80
08-22-88	<0.10	7.5	0.002	<0.010	0.005	0.020	70	30
08-22-88	<0.10	7.6	<0.001	<0.010	0.003	0.010	60	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
404954073183901	S 14579. 1	211MGTY	09-21-88	554	27	6.1	11.0	4
405040073175801	S 19057. 1	211MGTY	09-21-88	681	244	6.2	11.0	82
405108073174201	S 21134. 1	211MGTY	09-21-88	547	94	7.0	11.0	29
404705073190701	S 22548. 1	211MGTY	09-20-88	415	34	5.3	10.5	3
404808073191301	S 23522. 1	112GLCLU	09-22-88	424	92	6.0	11.5	17
404607073253001	S 26248. 1	211MGTY	09-20-88	552	24	5.4	11.5	1
404832073220702	S 29962. 1	211MGTY	09-22-88	675	188	5.9	11.0	62
405132073155901	S 33006. 1	211MGTY	09-13-88	504	41	6.3	11.5	8
404918073253201	S 35007. 1	211MGTY	09-20-88	660	29	5.7	11.0	3
405014073161401	S 36791. 1	211MGTY	09-13-88	674	57	6.6	11.5	18
404923073162801	S 36976. 1	211MGTY	09-13-88	418	58	5.9	11.0	12
405141073191001	S 37351. 1	211MGTY	09-13-88	609	136	5.9	11.5	38
404920073142801	S 44774. 1	112GLCLU	09-13-88	294	77	6.2	11.0	22
404920073150901	S 45594. 1	112GLCLU	04-07-88	85	149	5.52	12.5	--
404804073204401	S 45638. 1	211MGTY	09-22-88	725	28	5.9	11.5	5
405100073152601	S 50513. 1	112GLCLU	10-30-87	61	220	5.53	12.0	50
		112GLCLU	11-23-87	61	219	5.62	12.0	45
		112GLCLU	01-11-88	61	223	5.67	11.5	57
		112GLCLU	01-28-88	61	220	5.50	11.5	53
		112GLCLU	02-24-88	61	220	5.16	12.0	88
		112GLCLU	03-30-88	61	224	5.31	11.5	53
		112GLCLU	04-26-88	61	217	5.19	12.5	45
		112GLCLU	05-31-88	61	241	5.17	13.5	48
		112GLCLU	06-29-88	61	213	5.18	12.5	49
		112GLCLU	07-28-88	61	222	5.5	13.0	48
		112GLCLU	09-07-88	61	207	5.4	12.0	48
		112GLCLU	09-29-88	61	211	5.4	12.0	47
405716072413301	S 51566. 1	112GLCLU	10-29-87	89	560	6.20	11.5	200
		112GLCLU	11-24-87	89	560	5.84	11.5	200
		112GLCLU	01-12-88	89	563	6.31	11.5	290
		112GLCLU	01-28-88	89	564	6.08	11.0	260
		112GLCLU	02-24-88	89	539	5.78	11.0	230

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
09-21-88	1.2	0.3	3.0	0.5	7	<5.0	7.2	<0.2	7.5	24	<0.01
09-21-88	22	6.6	11	1.2	14	35	18	<0.2	13	151	<0.01
09-21-88	6.9	2.8	6.0	0.8	22	6.0	7.1	<0.2	16	67	<0.01
09-20-88	0.6	0.3	3.0	0.4	4	<5.0	4.7	<0.2	6.2	22	<0.01
09-22-88	3.5	2.0	9.0	0.8	20	<5.0	16	<0.2	9.4	55	<0.01
09-20-88	0.3	0.1	3.0	0.3	3	<5.0	3.6	<0.2	6.4	17	<0.01
09-22-88	13	7.0	9.0	1.0	10	25	16	<0.2	8.8	113	<0.01
09-13-88	2.1	0.7	5.0	0.4	8	<5.0	2.6	<0.2	8.3	28	<0.01
09-20-88	0.8	0.2	3.0	0.4	4	<5.0	3.7	<0.2	6.6	19	<0.01
09-13-88	4.3	1.7	5.0	0.5	17	<5.0	2.5	<0.2	11	39	<0.01
09-13-88	2.8	1.2	6.0	0.5	7	<5.0	4.6	<0.2	9.7	39	<0.01
09-13-88	9.5	3.4	9.0	1.1	6	5.0	8.8	<0.2	7.7	82	<0.01
09-13-88	5.3	2.1	7.0	0.4	19	<5.0	4.7	<0.2	14	49	<0.01
09-22-88	1.1	0.5	3.0	0.4	24	<5.0	4.2	<0.2	7.3	30	<0.01
10-30-87	14	4.1	19	3.5	6	23	26	<0.2	11	140	<0.01
11-23-87	11	4.3	19	3.6	6	22	26	<0.2	12	140	<0.01
01-11-88	16	4.3	16	3.5	7	20	25	<0.2	11	130	<0.01
01-28-88	14	4.1	19	3.9	8	25	24	<0.2	12	140	<0.01
02-24-88	15	12	17	5.0	7	21	23	<0.2	12	150	<0.01
03-30-88	15	3.7	19	3.3	6	21	21	<0.2	12	140	<0.01
04-26-88	13	3.3	19	3.5	8	22	21	--	12	140	<0.01
05-31-88	13	3.8	19	3.6	6	22	22	--	11	134	0.01
06-29-88	13	3.9	18	3.2	10	24	22	--	12	136	<0.01
07-28-88	13	3.9	16	3.4	6	24	22	<0.2	12	129	<0.01
09-07-88	13	3.7	16	3.3	6	23	26	<0.2	12	132	<0.01
09-29-88	12	3.8	18	3.2	3	26	21	<0.2	12	128	<0.01
10-29-87	71	12	12	5.0	9	120	33	<0.2	9.5	344	<0.01
11-24-87	59	13	11	4.6	9	120	34	<0.2	11	331	<0.01
01-12-88	94	14	8.0	4.2	10	130	34	<0.2	10	368	<0.01
01-28-88	83	14	11	4.6	9	130	34	<0.2	11	363	<0.01
02-24-88	86	2.7	10	2.2	9	130	36	<0.2	11	362	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

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)
09-21-88	<0.001	0.24	0.05	0.04	<5	<200	<10	<1	<10	<50	<50
09-21-88	0.002	7.85	0.09	<0.01	<5	<200	<10	<1	<10	<50	<50
09-21-88	0.003	1.94	0.05	<0.01	<5	<200	<10	<1	<10	<50	110
09-20-88	<0.001	0.88	0.02	<0.01	<5	<200	<10	<1	<10	<50	60
09-22-88	<0.01	1.17	0.13	<0.01	<5	<200	<10	<1	<10	<50	<50
09-20-88	<0.001	0.21	0.07	<0.01	<5	<200	<10	<1	<10	<50	<50
09-22-88	<0.001	6.01	0.06	<0.01	<5	<200	20	<1	<10	<50	<50
09-13-88	<0.001	0.93	0.06	<0.01	<5	<200	<10	<1	<10	<50	<50
09-20-88	0.002	0.46	0.08	<0.01	<5	<200	<10	<1	<10	<50	<50
09-13-88	<0.001	0.90	0.02	<0.01	<5	<200	<10	<1	<10	<50	<50
09-13-88	<0.001	2.13	0.04	<0.01	<5	<200	<10	<1	<10	<50	<50
09-13-88	<0.001	7.53	0.09	<0.01	<5	<200	<10	<1	<10	<50	<50
09-13-88	0.003	0.74	0.04	<0.01	<5	<200	20	<1	<10	<50	<50
09-22-88	<0.001	0.05	0.09	<0.01	<5	<200	<10	<1	<10	<50	<50
10-30-87	<0.001	8.10	<0.01	<0.01	<5	<200	60	<1	<10	<50	<50
11-23-87	<0.001	8.71	0.05	<0.01	<5	<200	60	<1	<10	<50	<50
01-11-88	<0.001	7.80	0.07	<0.01	<5	<200	50	<1	<10	<50	<50
01-28-88	<0.001	7.00	--	<0.01	<5	<200	50	<1	<10	<50	<50
02-24-88	<0.001	8.83	<0.01	<0.01	<5	<200	50	<1	<10	<50	<50
03-30-88	<0.001	9.24	0.04	<0.01	<5	<200	60	<1	<10	<50	<50
04-26-88	<0.001	10.0	0.01	<0.01	<5	<200	50	<1	<10	<50	<50
05-31-88	0.002	8.12	<0.01	<0.01	<5	<200	60	<1	<10	<50	80
06-29-88	<0.001	7.81	0.01	<0.01	<5	<200	50	<1	<10	<50	<50
07-28-88	<0.001	7.08	0.07	<0.01	<5	<200	70	<1	<10	<50	<50
09-07-88	<0.001	6.69	0.13	<0.01	<5	<200	40	<1	<10	<50	<50
09-29-88	0.001	6.74	0.02	<0.01	<5	<200	40	1	<10	<50	<50
10-29-87	<0.001	17.2	<0.01	<0.01	<5	<200	70	<1	<10	<50	200
11-24-87	<0.001	17.0	0.02	<0.01	<5	<200	70	<1	<10	<50	170
01-12-88	0.001	16.0	0.05	<0.01	<5	<200	60	<1	<10	<50	90
01-28-88	0.002	16.0	<0.01	<0.01	<5	<200	80	<1	<10	<50	130
02-24-88	0.002	18.0	<0.01	<0.01	<5	<200	70	<1	<10	<50	160

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
09-21-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-21-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-21-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-20-88	50	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-20-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-20-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-22-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
10-30-87	<10	70	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
11-23-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
01-11-88	<10	50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
01-28-88	<10	60	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-24-88	<10	60	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
03-30-88	<10	50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-26-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-31-88	<10	90	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
06-29-88	<10	60	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
07-28-88	<10	50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
09-07-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<7.0	<3.0
09-29-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
10-29-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
11-24-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
01-12-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
01-28-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-24-88	<10	<50	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
09-21-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-21-88	<3.0	<3.0	<1.0	<1.0	<2.0	2.0	<1.0	<6.0	<0.02	1.0	<4.0
09-21-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-20-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-22-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-20-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-22-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	1.0	<4.0
09-13-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-20-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-13-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-13-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-13-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-13-88	<5.0	<4.0	2.0	<1.0	<2.0	3.0	<1.0	<11	<0.02	<1.0	<3.0
09-22-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
10-30-87	<3.0	<4.0	<1.0	<1.0	<4	6.0	<2.0	<5.0	<0.02	<1.0	<6.0
11-23-87	<3.0	<4.0	<1.0	<1.0	<4.0	3.0	<2.0	<5.0	<0.02	<1.0	<6.0
01-11-88	<3.0	<4.0	<1.0	--	<5.0	3.0	<1.0	<11	<0.02	<2.0	<5.0
01-28-88	<4.0	<5.0	<1.0	--	<6.0	6.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-24-88	<5.0	<7.0	<1.0	--	<6.0	6.0	<1.0	<7.0	<0.02	<1.0	<8.0
03-30-88	<3.0	<6.0	<1.0	--	<5.0	5.0	<2.0	<9.0	<0.02	<1.0	<8.0
04-26-88	<4.0	<8.0	<1.0	<1.0	<4.0	4.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-31-88	<3.0	<4.0	<1.0	<1.0	<5.0	5.0	<1.0	<8.0	<0.02	<1.0	<4.0
06-29-88	<3.0	<4.0	<1.0	<1.0	<4.0	4.0	<1.0	<8.0	<0.02	<1.0	<5.0
07-28-88	<4.0	<4.0	<1.0	<1.0	<5.0	3.0	<2.0	<10	<0.02	<1.0	<5.0
09-07-88	<6.0	<5.0	<1.0	<1.0	<2.0	3.0	<1.0	<11	<0.02	<1.0	<10
09-29-88	<3.0	<3.0	<1.0	<1.0	<2.0	3.0	<1.0	<6.0	<0.02	<1.0	<4.0
10-29-87	<3.0	<4.0	<1.0	<1.0	<4	<1.0	<2.0	<5.0	<0.02	<1.0	<6.0
11-24-87	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<2.0	<5.0	<0.02	<1.0	<6.0
01-12-88	<3.0	<4.0	<1.0	--	<5.0	<1.0	<1.0	<11	<0.02	<2.0	<5.0
01-28-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-24-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
405716072413301	S 51566. 1	112GLCLU	03-30-88	89	577	5.85	11.5	140
		112GLCLU	04-26-88	89	562	5.76	11.5	250
		112GLCLU	05-31-88	89	583	5.85	13.0	250
		112GLCLU	06-28-88	89	599	5.85	12.5	110
		112GLCLU	07-27-88	89	568	5.9	13.0	150
		112GLCLU	09-01-88	89	610	5.9	12.5	260
		112GLCLU	09-29-88	89	614	5.8	11.5	240
405053073150901	S 63966. 1	211MGTY	09-13-88	653	48	6.6	11.5	12
405213072481101	S 74294. 1	112GLCLU	10-29-87	36	284	6.14	12.5	6
		112GLCLU	11-24-87	36	408	5.91	12.5	13
		112GLCLU	01-12-88	36	604	5.67	12.0	41
		112GLCLU	01-28-88	36	628	5.62	12.5	38
		112GLCLU	02-24-88	36	739	5.14	12.5	45
		112GLCLU	03-30-88	36	599	5.33	13.0	71
		112GLCLU	04-26-88	36	171	5.77	12.5	5
		112GLCLU	05-31-88	36	116	5.99	12.5	4
		112GLCLU	06-28-88	36	160	5.75	12.5	8
		112GLCLU	07-27-88	36	329	5.8	13.0	20
		112GLCLU	09-01-88	36	380	5.6	12.5	24
		112GLCLU	09-27-88	36	457	5.6	12.0	21
405106072500901	S 89455. 1	112GLCLU	04-14-88	98	64	5.78	10.5	7
405121072490602	S 89456. 1	112GLCLU	04-18-88	95	401	5.44	11.5	150
405213072480801	S 89457. 1	112GLCLU	04-18-88	98	158	5.84	12.0	19
405035072432201	S 89458. 1	112GLCLU	05-03-88	114	174	5.60	10.5	66
405241072381801	S 89459. 1	112GLCLU	05-03-88	117	60	7.65	10.5	16
405321072401001	S 89460. 1	112GLCLU	04-13-88	98	50	6.24	10.0	13
404949072503901	S 89537. 1	112GLCLU	04-14-88	98	51	6.45	10.0	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
03-30-88	36	13	11	4.8	9	140	35	<0.2	11	332	<0.01
04-26-88	80	13	13	4.9	9	130	33	--	10	363	<0.01
05-31-88	78	13	10	5.0	10	130	33	--	9.6	342	<0.01
06-28-88	23	13	11	4.8	11	160	31	--	10	324	<0.01
07-27-88	40	13	10	5.2	9	130	31	<0.2	10	326	0.03
09-01-88	81	13	11	5.1	10	130	36	<0.2	11	380	<0.01
09-29-88	74	15	12	5.5	8	140	37	<0.2	11	402	0.02
09-13-88	2.9	1.2	5.0	0.4	16	<5.0	3.0	<0.2	10	35	<0.01
10-29-87	2.5	<0.1	51	0.8	9	11	69	<0.2	4.6	150	<0.01
11-24-87	3.8	0.8	66	1.4	6	8.0	110	<0.2	5.2	210	<0.01
01-12-88	12	2.4	120	2.0	6	10	200	<0.2	5.9	370	<0.01
01-28-88	12	2.2	120	2.2	5	20	190	<0.2	6.0	360	<0.01
02-24-88	13	2.7	110	2.8	6	22	210	<0.2	6.0	390	<0.01
03-30-88	25	2.3	97	1.6	5	22	150	<0.2	5.6	320	<0.01
04-26-88	1.5	0.4	32	0.6	7	31	19	--	4.5	95	<0.01
05-31-88	1.1	0.20	21	0.5	8	19	17	--	4.1	70	<0.01
06-28-88	2.1	0.6	27	0.5	7	12	35	--	3.9	89	<0.01
07-27-88	5.7	1.4	48	1.1	5	7.0	81	<0.2	4.1	155	<0.01
09-01-88	6.8	1.7	61	1.3	9	9.0	110	<0.2	4.5	200	<0.01
09-27-88	5.8	1.7	75	1.5	4	10	120	<0.2	4.8	231	<0.01
04-14-88	1.1	1.0	10	0.4	5	8.0	9.3	<0.2	10	43	<0.01
04-18-88	49	6.9	8.0	4.2	9	40	24	--	11	240	0.03
04-18-88	4.8	1.7	18	6.0	8	14	22	--	11	90	<0.01
05-03-88	11	9.5	5.0	0.7	6	32	13	--	10	112	<0.01
05-03-88	4.6	1.2	5.0	0.3	20	<5.0	5.6	--	14	40	<0.01
04-13-88	3.6	0.9	5.0	0.4	9	<5.0	4.7	<0.2	10	31	<0.01
04-14-88	3.1	1.1	5.0	0.3	10	<5.0	4.6	<0.2	12	34	<0.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

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)
03-30-88	0.002	18.0	0.01	<0.01	<5	<200	80	<1	<10	<50	120
04-26-88	0.003	15.7	<0.01	<0.01	<5	<200	10	<1	<10	<50	430
05-31-88	0.003	13.0	<0.01	<0.01	<5	<200	70	<1	<10	<50	290
06-28-88	0.001	15.0	<0.01	<0.01	<5	<200	70	<1	<10	<50	150
07-27-88	0.002	17.4	<0.01	<0.01	<5	<200	60	<1	<10	<50	170
09-01-88	0.002	18.6	0.03	<0.01	<5	<200	60	<1	<10	<50	140
09-29-88	0.006	23.0	0.01	<0.01	<5	<200	70	<1	<10	<50	100
09-13-88	<0.001	0.69	0.02	<0.01	<5	<200	<10	<1	<10	<50	<50
10-29-87	<0.001	0.56	<0.01	<0.01	<5	<200	20	<1	<10	<50	<50
11-24-87	<0.001	0.67	0.07	<0.01	<5	<200	20	<1	<10	<50	<50
01-12-88	<0.001	3.20	0.19	<0.01	<5	300	30	<1	<10	<50	<50
01-28-88	<0.001	2.68	--	<0.01	<5	<200	30	<1	<10	<50	<50
02-24-88	<0.001	3.51	0.03	<0.01	<5	500	30	<1	<10	<50	<50
03-30-88	<0.001	3.69	0.02	<0.01	<5	200	30	<1	<10	<50	<50
04-26-88	0.002	0.26	0.01	<0.01	<5	<200	20	<1	<10	<50	310
05-31-88	0.001	0.57	<0.01	<0.01	<5	<200	20	<1	<10	<50	70
06-28-88	<0.001	0.89	<0.01	<0.01	<5	<200	20	<1	<10	<50	<50
07-27-88	<0.001	0.60	0.04	<0.01	<5	<200	20	<1	<10	<50	<50
09-01-88	<0.001	0.66	0.02	<0.01	<5	<200	20	<1	<10	<50	<50
09-27-88	0.001	1.18	0.01	<0.01	<5	<200	20	<1	<10	<50	<50
04-14-88	0.003	0.07	<0.01	<0.01	<5	<200	20	<1	<10	<50	<50
04-18-88	0.001	21.4	0.15	0.04	<5	200	--	<1	<10	<50	<50
04-18-88	<0.001	1.54	0.04	<0.01	<5	<200	20	<1	<10	<50	<50
05-03-88	<0.001	6.18	0.03	<0.01	<5	<200	30	<1	<10	<50	<50
05-03-88	0.008	<0.01	0.11	0.09	<5	<200	10	<1	<10	<50	<50
04-13-88	0.003	<0.01	0.05	<0.01	<5	<200	<10	<1	<10	<50	<50
04-14-88	<0.001	<0.01	0.06	<0.01	<5	<200	<10	<1	<10	<50	<50

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

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)	MERCURY DIS-SOLVED (UG/L AS HG)	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)
03-30-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-26-88	<10	140	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-31-88	<10	60	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
06-28-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
07-27-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
09-01-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<7.0	<3.0
09-29-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
09-13-88	<10	<50	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
10-29-87	<10	50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
11-24-87	<10	<50	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
01-12-88	<10	120	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
01-28-88	<10	130	<50	<5	<0.5	<1.0	<1.0	<1.0	<1.0	<4.0	<3.0
02-24-88	<10	150	<50	<5	<0.5	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
03-30-88	<10	100	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-26-88	<10	140	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-31-88	<10	60	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
06-28-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0
07-27-88	<10	<50	<50	<5	--	<1.0	<1.0	<2.0	<1.0	<4.0	<3.0
09-01-88	<10	70	<50	<5	--	<2.0	<1.0	<2.0	<1.0	<5.0	<3.0
09-27-88	<10	60	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<6.0	<3.0
04-14-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-18-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-18-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-03-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-03-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-13-88	10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-14-88	10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
03-30-88	<3.0	<6.0	<1.0	--	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<8.0
04-26-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-31-88	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<1.0	<8.0	<0.02	<1.0	<4.0
06-28-88	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<5.0
07-27-88	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<10	<0.02	<1.0	<5.0
09-01-88	<6.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<10
09-29-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
09-13-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
10-29-87	<3.0	<4.0	<1.0	<1.0	<4	<1.0	<2.0	<5.0	<0.02	<1.0	<6.0
11-24-87	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<2.0	<5.0	<0.02	<1.0	<6.0
01-12-88	<3.0	<4.0	<1.0	--	<5.0	<1.0	<1.0	<11	<0.02	<2.0	<5.0
01-28-88	<4.0	<5.0	<1.0	--	<6.0	<1.0	<3.0	<7.0	<0.02	<1.0	<6.0
02-24-88	<5.0	<7.0	<1.0	--	<6.0	<1.0	<1.0	<7.0	<0.02	<1.0	<8.0
03-30-88	<3.0	<6.0	<1.0	--	<5.0	<1.0	<2.0	<9.0	<0.02	<1.0	<8.0
04-26-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-31-88	<3.0	<4.0	<1.0	<1.0	<5.0	<1.0	<1.0	<8.0	<0.02	<1.0	<4.0
06-28-88	<3.0	<4.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<5.0
07-27-88	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<2.0	<10	<0.02	<1.0	<5.0
09-01-88	<5.0	<4.0	<1.0	<1.0	<2.0	<1.0	<1.0	<11	<0.02	<1.0	<3.0
09-27-88	<3.0	<3.0	<1.0	<1.0	<2.0	<1.0	<1.0	<6.0	<0.02	<1.0	<4.0
04-14-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-18-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-18-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-03-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-03-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-13-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-14-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)
405047072472701	S 89538. 1	112GLCLU	04-27-88	114	51	6.25	10.5	9
405136072464502	S 89539. 1	112GLCLU	04-27-88	108	97	6.38	11.5	12
405034072432201	S 89540. 1	112GLCLU	05-02-88	118	49	6.34	11.0	8
405032072392901	S 89541. 1	112GLCLU	05-03-88	108	44	6.62	10.5	8
405633072435601	S 89543. 1	112GLCLU	05-02-88	108	514	5.43	11.0	210
405651072392901	S 89544. 1	112GLCLU	04-20-88	98	117	8.45	11.0	44
405701072361001	S 89545. 1	112GLCLU	04-20-88	98	121	6.10	10.5	16

DATE	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 LAB MG/L AS CACO3	SULFATE (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, TOTAL (MG/L AS F)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
04-27-88	1.9	1.1	7.0	0.4	9	<5.0	5.6	--	11	32	<0.01
04-27-88	2.8	1.1	7.0	0.6	40	6.0	7.0	--	14	75	0.08
05-02-88	1.7	0.9	5.0	0.4	10	5.0	4.3	--	10	34	<0.01
05-03-88	1.5	0.9	4.0	0.3	10	<5.0	5.3	--	12	30	<0.01
05-02-88	69	9.8	7.0	7.0	6	150	27	--	9.8	323	0.01
04-20-88	13	2.9	7.0	1.0	40	7.0	4.7	--	16	77	0.02
04-20-88	4.6	1.1	5.0	3.6	30	11	5.0	--	8.3	74	0.29

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

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)
04-27-88	<0.001	<0.01	0.01	<0.01	<5	<200	<10	<1	<10	<50	310
04-27-88	0.008	<0.01	0.11	0.04	<5	<200	70	<1	<10	<50	14000
05-02-88	<0.001	<0.01	0.02	<0.01	<5	<200	10	<1	<10	<50	<50
05-03-88	0.002	<0.01	0.03	<0.01	<5	<200	<10	<1	<10	<50	<50
05-02-88	<0.001	10.0	0.14	<0.01	<5	<200	110	<1	<10	<50	<50
04-20-88	<0.001	<0.01	0.15	0.06	<5	<200	10	<1	<10	<50	<50
04-20-88	0.01	<0.01	0.04	<0.01	<5	<200	40	<1	<10	<50	14

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)	MERCURY DISSOLVED (UG/L AS HG)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)
04-27-88	<10	130	<50	<5	--	<1.0	<1.0	<1.0	2.0	<3.0	<3.0
04-27-88	<10	720	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-02-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
05-03-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	1.0	<3.0	<3.0
05-02-88	<10	100	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.00
04-20-88	<10	<50	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0
04-20-88	<10	1000	<50	<5	--	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY--Continued

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

DATE	CHLORO-BENZENE TOTAL (UG/L)	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)
04-27-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-27-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-02-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-03-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
05-02-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-20-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0
04-20-88	<4.0	<8.0	<1.0	<1.0	<4.0	<1.0	<1.0	<8.0	<0.02	<1.0	<9.0

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.
- 211RNCF - Raritan Confining Unit, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1988 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 20479	S 28408	S 36460	S 43001	S 53361	S 66366
S 872	S 20530	S 28503	S 36711	S 43117	S 53498	S 66429
S 1331	S 20566	S 28767	S 36714	S 43641	S 53522	S 66496
S 1340	S 20635	S 28819	S 36748	S 44468	S 53593	S 66657
S 1341	S 20688	S 28928	S 36791	S 44640	S 53747	S 66733
S 2415	S 20689	S 29411	S 36869	S 44774	S 53850	S 66758
S 2978	S 20838	S 29491	S 36976	S 45610	S 53851	S 66825
S 3615	S 20839	S 29492	S 37140	S 45839	S 54162	S 66881
S 3813	S 20955	S 29732	S 37141	S 45840	S 54305	S 67074
S 3815	S 21121	S 30088	S 37174	S 46235	S 54308	S 67197
S 4184	S 21244	S 30117	S 37301	S 46400	S 54473	S 67656
S 4372	S 21247	S 30118	S 37351	S 46712	S 54568	S 67819
S 6513	S 21366	S 30207	S 37494	S 46713	S 54730	S 67925
S 7570	S 21375	S 30208	S 37681	S 46830	S 54957	S 68230
S 8439	S 21487	S 30227	S 37847	S 46928	S 55463	S 68552
S 9893	S 21632	S 30228	S 37861	S 47024	S 55502	S 68666
S 11105	S 21945	S 30506	S 37963	S 47035	S 55733	S 68690
S 12130	S 22048	S 30762	S 38192	S 47219	S 55734	S 68880
S 14710	S 22351	S 31037	S 38194	S 47310	S 56038	S 69024
S 14792	S 22362	S 31038	S 38320	S 47435	S 56039	S 69364
S 14828	S 22389	S 31039	S 38321	S 47436	S 56133	S 69511
S 14921	S 22471	S 31104	S 38491	S 47437	S 56674	S 70008
S 15514	S 22547	S 31624	S 38701	S 47438	S 57008	S 70155
S 15515	S 22548	S 31653	S 38784	S 47453	S 57354	S 70459
S 15746	S 22640	S 31913	S 38785	S 47673	S 57357	S 70488
S 15776	S 23046	S 32180	S 38916	S 47886	S 57979	S 70767
S 15898	S 23183	S 32287	S 38917	S 47887	S 57980	S 71038
S 15962	S 23184	S 32325	S 39024	S 48014	S 58708	S 71083
S 16129	S 23185	S 32326	S 39531	S 48193	S 58761	S 71533
S 16256	S 23186	S 32359	S 39536	S 48719	S 59347	S 71785
S 16309	S 23255	S 32501	S 40161	S 49018	S 59744	S 71881
S 16892	S 23371	S 32551	S 40330	S 49422	S 60127	S 71882
S 16893	S 23440	S 32552	S 40331	S 49606	S 60486	S 71892
S 17037	S 23445	S 33005	S 40497	S 50546	S 60812	S 72245
S 17474	S 23524	S 33006	S 40498	S 50630	S 61910	S 72271
S 17689	S 23631	S 33308	S 40709	S 51214	S 61937	S 72300
S 18003	S 23827	S 33500	S 40710	S 51266	S 62022	S 72326
S 18261	S 23828	S 33826	S 40711	S 51274	S 62240	S 72917
S 18621	S 23832	S 33970	S 40837	S 51275	S 62855	S 73144
S 18729	S 23848	S 34007	S 40838	S 51298	S 63205	S 73332
S 18762	S 24047	S 34030	S 40980	S 51457	S 63256	S 73492
S 19048	S 24323	S 34031	S 40982	S 51519	S 63618	S 73847
S 19198	S 24545	S 34300	S 42226	S 51609	S 63966	S 74505
S 19399	S 24663	S 34301	S 42227	S 51673	S 64023	S 74573
S 19408	S 25617	S 34460	S 42270	S 51953	S 64062	S 74865
S 19465	S 25674	S 34595	S 42473	S 52451	S 64609	S 77010
S 19565	S 25776	S 35033	S 42499	S 52490	S 64716	S 78310
S 19584	S 26535	S 35446	S 42504	S 52943	S 64847	S 79293
S 19884	S 27070	S 35494	S 42505	S 52944	S 65505	S 81473
S 19885	S 27192	S 35939	S 42760	S 52945	S 65766	S 82422
S 20057	S 27259	S 36166	S 42761	S 53074	S 65905	S 83096
S 20300	S 27533	S 36185	S 42762	S 53291	S 66183	S 83707
S 20369	S 27784	S 36459	S 42827	S 53360	S 66184	S 84848
S 20460						

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1988 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 45717	S 47231	S 48438	S 51175	S 51588	S 55046
S 6524	S 45718	S 47233	S 48439	S 51176	S 51589	S 55047
S 8837	S 45719	S 47234	S 48440	S 51177	S 51591	S 55584
S 13204	S 45720	S 47235	S 48517	S 51178	S 51592	S 57691
S 13924	S 45721	S 47489	S 48518	S 51179	S 51626	S 58921
S 15046	S 45722	S 47698	S 48519	S 51180	S 52050	S 58922
S 17174	S 45838	S 47745	S 48520	S 51182	S 52084	S 58924
S 22660	S 46284	S 47746	S 48521	S 51183	S 52383	S 58925
S 43808	S 46287	S 47747	S 48522	S 51184	S 52449	S 58960
S 43809	S 46359	S 47748	S 48577	S 51185	S 52641	S 59583
S 43810	S 46445	S 47751	S 48578	S 51186	S 52645	S 60123
S 43811	S 46518	S 47752	S 48579	S 51228	S 52686	S 63831
S 43812	S 46911	S 47755	S 48580	S 51265	S 53057	S 64477
S 43813	S 46912	S 47897	S 48581	S 51566	S 53196	S 64822
S 43815	S 46913	S 47945	S 48582	S 51567	S 53323	S 65880
S 43816	S 46914	S 47973	S 48651	S 51268	S 53325	S 66506
S 43818	S 46962	S 47974	S 48759	S 51571	S 53327	S 66509
S 43819	S 46964	S 47976	S 48946	S 51572	S 53328	S 66511
S 43820	S 46965	S 48012	S 48958	S 51573	S 53329	S 66512
S 43821	S 46966	S 48204	S 49398	S 51575	S 53330	S 66513
S 43822	S 47100	S 48375	S 49604	S 51576	S 53331	S 70257
S 44466	S 47102	S 48425	S 49749	S 51577	S 53332	S 70259
S 44914	S 47157	S 48426	S 49898	S 51578	S 53333	S 70260
S 44918	S 47220	S 48427	S 50971	S 51579	S 53334	S 70262
S 45207	S 47223	S 48428	S 51169	S 51580	S 53335	S 70952
S 45212	S 47224	S 48429	S 51170	S 51581	S 53336	S 72342
S 45346	S 47225	S 48430	S 51171	S 51582	S 53337	S 72344
S 45402	S 47226	S 48432	S 51172	S 51583	S 53539	S 72346
S 45446	S 47227	S 48433	S 51173	S 51586	S 54020	S 75441
S 45636	S 47228	S 48435	S 51174	S 51587	S 54972	S 86100
S 45637	S 47229	S 48437				

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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

U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
5 Aerial Way
Syosset, NY 11791

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