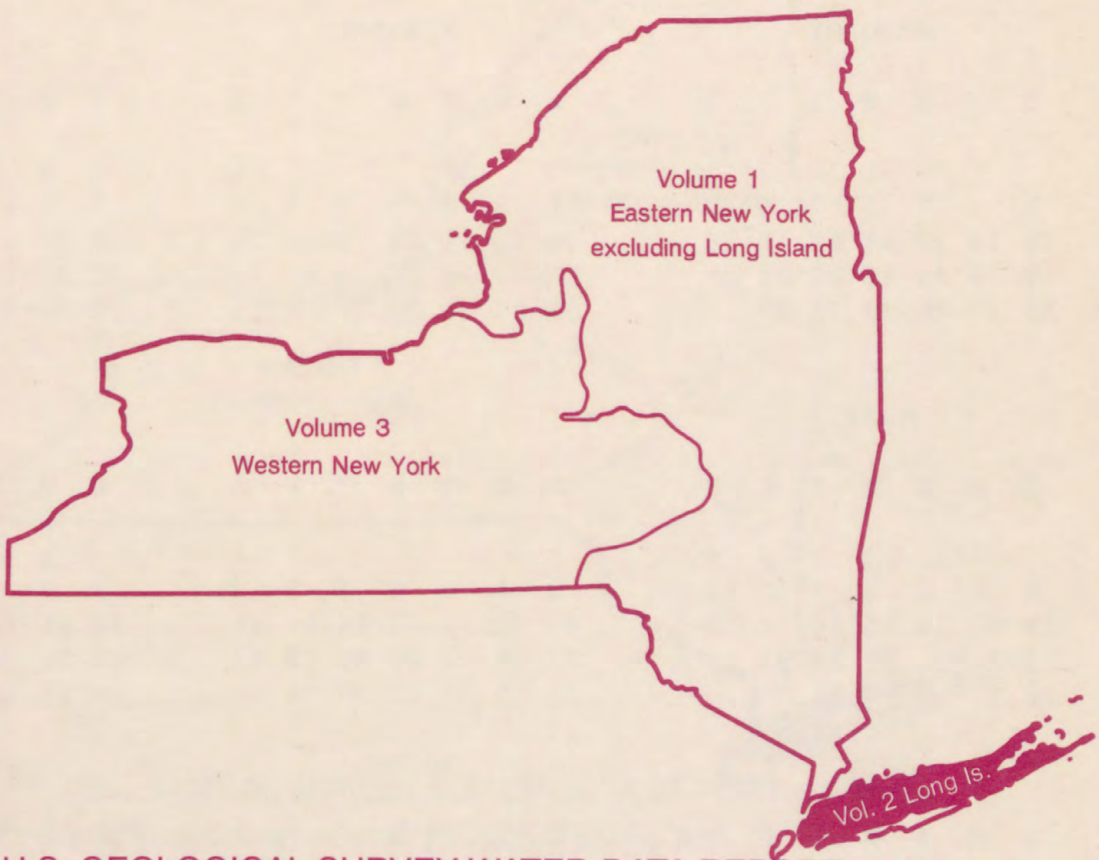
Water Resources Data New York Water Year 1992

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-92-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1992

1991

OCTOBER

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1992

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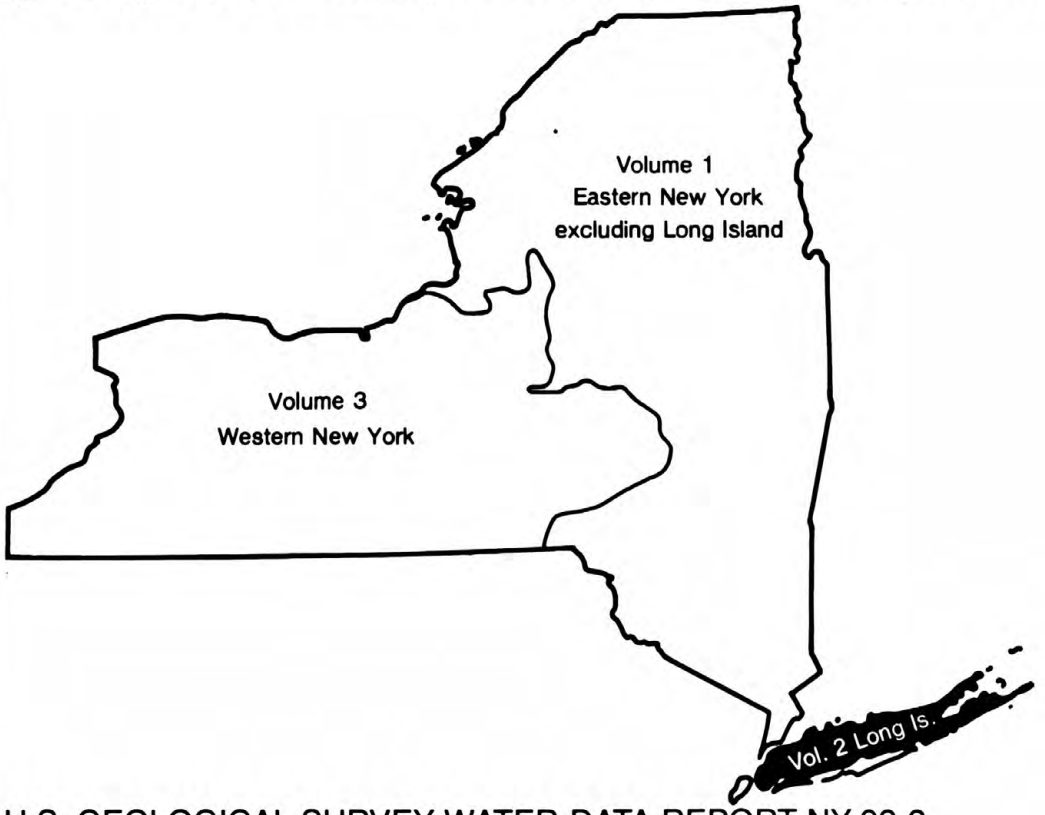
Water Resources Data New York Water Year 1992

Volume 2. Long Island

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-92-2
Prepared in cooperation with the State of New York
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

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District Chief, Water Resources Division
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P.O. Box 1669
Albany, New York 12201

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U.S. Geological Survey
5 Aerial Way
Syosset, New York 11791

1993

PREFACE

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

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

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

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

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

L. A. Chapman
K. McGrath
D. M. Mutter
G. Pena-Cruz
C. E. Shubert

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

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

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16. Abstract (Limit: 200 words)

Water resources data for the 1992 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 18 gaging stations; water quality at 19 gaging stations, and 26 wells; and water levels at 736 observation wells. Also included are data for 79 low-flow partial-record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data, together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

17. Document Analysis a. Descriptors

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

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

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

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations on Long Island have been discontinued. Daily streamflow records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as partial record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Station name	Station number	Drainage area (sq mi)	Period of record
Patchoque River at Patchoque (d)	01306000*	13.5	1946-69, 1974-76
Champlin Creek at Islip (d)	01307000*	6.5	1945-69
Penataquit Creek at Bay Shore (d)	01307500*	5	1945-76
Santapoque Creek at Lindenhurst (d)	01309000*	7	1947-69

WATER RESOURCES DATA FOR NEW YORK, 1992
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1992 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 20 gaging stations; water quality at 19 gaging stations, 26 wells; and water levels at 736 observation wells. Also included are data for 79 low-flow partial-record stations. Locations of these sites are shown on pages 28-36. 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, Box 25425, Denver, Colorado 80225.

Since the 1961 water year, streamflow data and since the 1964 water year, water-quality data have been released by the Geological Survey in annual reports on a State-boundary basis. These reports provided rapid release of water data in each state shortly after the end of the water year. Through 1970 the data were also released in the water-supply paper series mentioned above.

Streamflow and water-quality data beginning with the 1971 water year, and ground-water data beginning with the 1975 water year are published only in reports on a State-boundary basis. Beginning with the 1975 water year, these Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-92-2." Water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

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. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Services Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

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, John M. Waltz, Acting Commissioner.
County of Suffolk, Department of Health Services, Dr. Mary Hibberd, Commissioner.
Suffolk County Water Authority, Michael A. LoGrande, Chairman.

The following organizations aided in collecting records:

Nassau County Department of Health, Nassau County Department of Public Works, Suffolk County Department of Health Services, and Suffolk County Water Authority.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow and ground-water levels on Long Island ranged from slightly above to near or below average at the beginning of the water year and decreased gradually through the spring. Above-average precipitation in June and August resulted in near or above-average streamflow and ground-water levels that continued into September (figs. 3-5). The lowered water table in the highly urbanized area in southern Nassau County caused below average discharge (fig. 2).

Maximum discharges during 1992 water year occurred mainly in June and August. The storm of June 6 caused most of the maximum discharges in Suffolk County, whereas the storms of August 11 and (or) 18 caused the maximum discharges in Nassau County. Runoff on Long Island was generally less than that of the previous water year. It ranged from near average to below average for the year. Maximum monthly mean discharges at most stations occurred in June or August and minimum monthly mean discharges occurred mostly in July or September.

Water levels in most wells screened in the upper glacial aquifer were near or above average at the beginning of the water year, then began a moderate decline that lasted until the end of August; during September they began a slight rise.

Water levels in the Magothy and Lloyd aquifers were near or above average at the beginning of the water year, then began a slow decline that lasted until the end of the water year except in southern and central Queens County, where water levels in the Lloyd aquifer continued a slow rise throughout the water year.

Record high water levels were measured in a few wells screened in the upper glacial, Magothy, and Lloyd aquifers during the beginning and middle parts of the water year in southern and central Queens County, and in a few widely scattered areas throughout Nassau and western Suffolk Counties. Record low water levels were measured in a few wells screened in the Magothy and Lloyd aquifers in southwestern and northeastern Suffolk County, and in two wells screened in the upper glacial aquifer in south-central Kings County. The record-high water levels in the three main aquifers in southern and central Queens County occurred during a time when pumpage by a principal water-supply company was being decreased.

Concentrations of inorganic constituents in surface-water and ground-water samples collected during the 1992 water year did not differ significantly from those of the previous year. Specific conductance of surface-water samples ranged from 90 to 365 uS/cm (microsiemens per centimeter at 25 degrees Celsius); the median was 128 uS/cm. Unusually high specific conductance in samples collected during the winter at surface-water sites reflect road deicing with salt. The pH of water samples from streams ranged from 5.4 to 7.6; the median pH was 6.9. Annual median stream pH was highest in the north-shore streams of Nassau County and generally decreased southward and eastward into Suffolk County. Specific conductance of water samples from the Magothy aquifer ranged from 26 to 444 uS/cm, with a median of 37 uS/cm, and specific conductance of samples from the Lloyd aquifer ranged from 64 to 132 uS/cm, with a median of 65 uS/cm. The pH of water samples from the upper glacial aquifer ranged from 5.7 to 8.3, with a median of 6.2; the pH of water samples from the Magothy aquifer ranged from 5.1 to 7.7, with a median of 5.7. The pH of water samples from the Lloyd aquifer ranged from 6.4 to 7.6, with a median of 6.5.

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 1992 water year that began October 1, 1991, and ended September 30, 1992. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface water, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figures 6A, B, C, 7A, B, C, and 8A, B, C. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a "List of Stations" in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations, miscellaneous sites, and other stations; therefore, the station number for a partial-record station or a miscellaneous site indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 01300500 includes the 2-digit part number "01" plus the 6-digit downstream order number "300500". The part number designates the major river basin. (In a few instances where no gaps were left in the 8-digit numbering sequence, one or two digits were added (making a 9- or 10-digit station number) and (or) a latitude-longitude number was used for identification.)

Latitude-Longitude System

The identification numbers for wells are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. See figure 1 on next page.

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

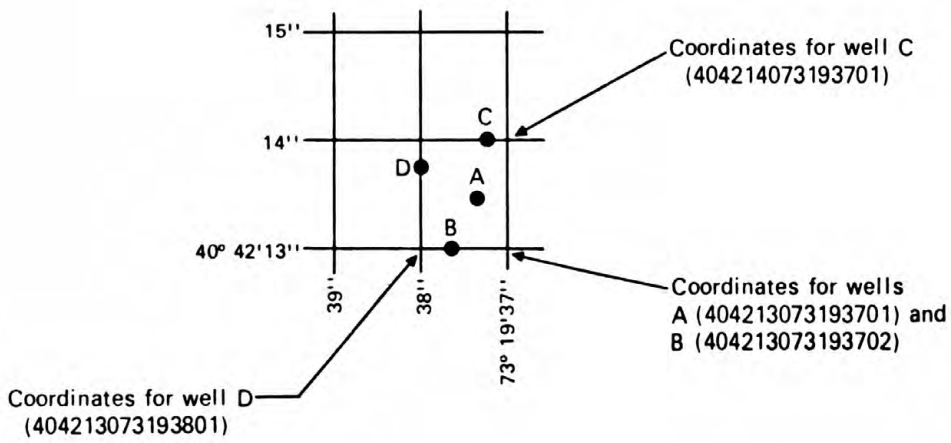


Figure 1. System for numbering wells (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Locations of all gaging stations and observations wells in this report are shown in figures 6A, B, C, and 7A, B, and C.

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed. If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for some stations, were determined and used by the U.S. Army Corps of Engineers of other agencies.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

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

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

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented at the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been depleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges and the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") or monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS ____-____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ____-____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes. At least 5 complete years of record must be available before this statistic is published for the designated period.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF (AC-FT).--Indicates the depth, in acre-feet, to which the drainage area would be covered if all the runoff for the year were uniformly distributed on it.

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

ANNUAL RUNOFF (INCHES).--Indicates the depth to which the drainage area would be covered if all the runoff for the year were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that is exceeded by 10 percent of the flow for the designated period.

50 PERCENT EXCEEDS.--The discharge that is exceeded by 50 percent of the flow for the designated period.

90 PERCENT EXCEEDS.--The discharge that is exceeded by 90 percent of the flow for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other Records Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, unless otherwise footnoted under "REMARKS". Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites. Data for precipitation-quality stations appears next. The table of ground-water quality follows ground-water level records. Data for quality of ground water is listed alphabetically by County, and is identified by well number.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

Historical and current (1992) dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperatures

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross-section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Laboratory Measurements

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

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial record stations and miscellaneous sampling sites are puhlished in a separate table following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

PRINTED OUTPUT	REMARK
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)

Records of Ground-Water Levels

Although over 950 wells are measured at annual or more frequent intervals, only ground-water level data from a basic network of 736 observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 1.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet in reference to National Geodetic Vertical Datum of 1929. National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum in reference to National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported as mean daily values, and the extremes are instantaneous values selected from the digital record. Water levels in wells not equipped with recording gages are read periodically or measured periodically with a weighted tape by U.S. Geological Survey personnel and/or an observer.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot.

Data Presentation

Most well records consist of three parts, the station description, the data table of water levels observed during the current water year, and a graph of the water levels for the current water year or other selected period. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings of the well description.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet above National Geodetic Vertical Datum and all taped measurements of water level are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only water-level means are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level. A hydrograph of water levels follows the data table for some wells. The current year and the previous 9 years of record are plotted in feet above National Geodetic Vertical Datum. If the period of record is less than 10 years, the water levels for the entire record are plotted.

A hydrograph of water levels follows the data table for some wells. The current year and the previous 9 years of record are plotted in feet above National Geodetic Vertical Datum. If the period of record is less than 10 years, the water levels for the entire record are plotted.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on a following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, data of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

* Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
* Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
* Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
* Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.

* Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time filed measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound 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 facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C ±1.0°C on M-endo median (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found also in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°±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.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The data shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Dissolved is that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentrations of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Total (as used in tables of chemical analyses):

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3-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.

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

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.

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

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

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

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F. A. Kilpatrick, R. E. Rathburn, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

3-A19. *Levels of streamflow gaging stations,* by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

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

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

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

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

3-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.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.

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

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.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

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

4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

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

4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

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. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 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 the determination of organic substances in water and fluvial sediments,* edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

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

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

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

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

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

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

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.

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

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

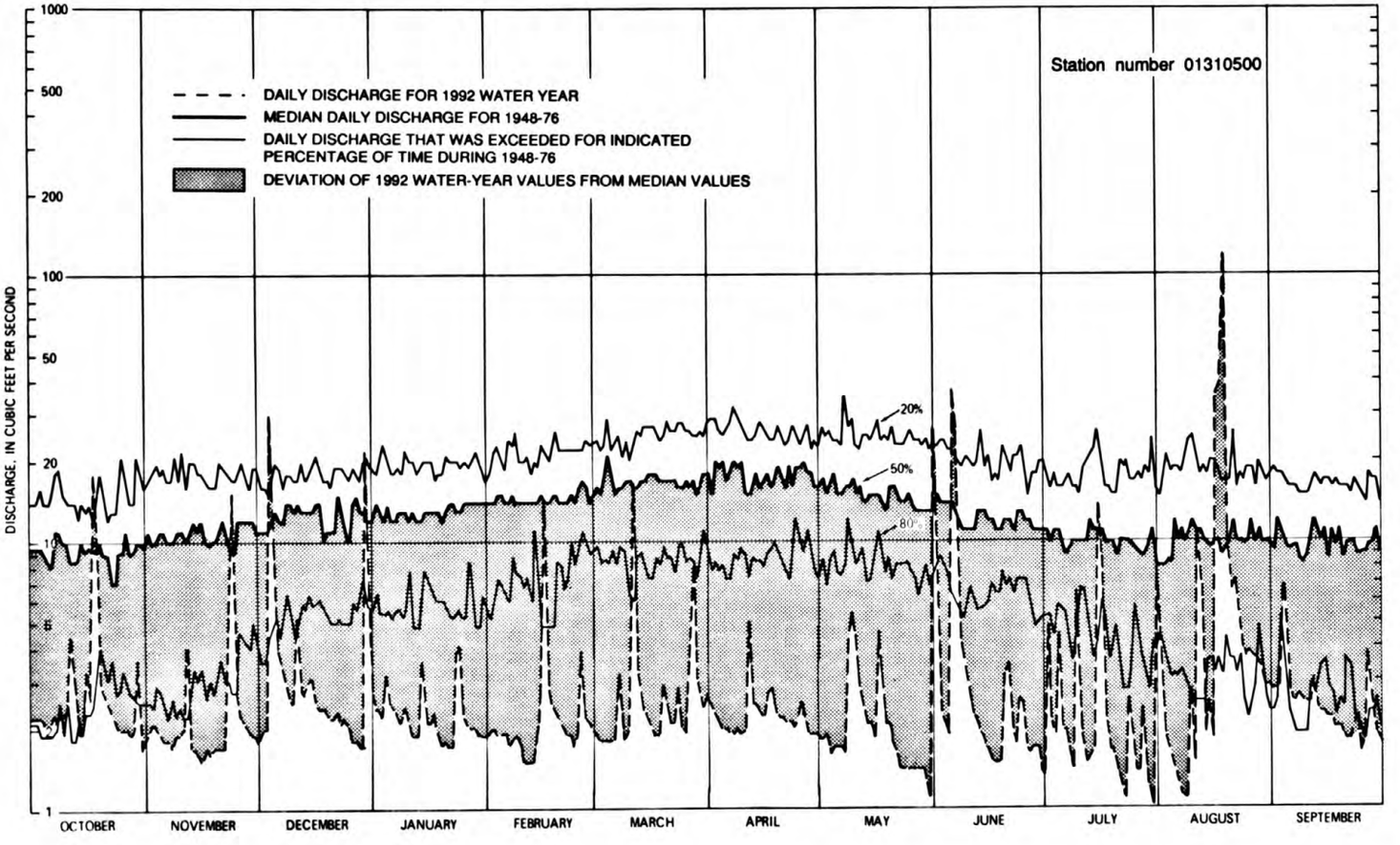


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport

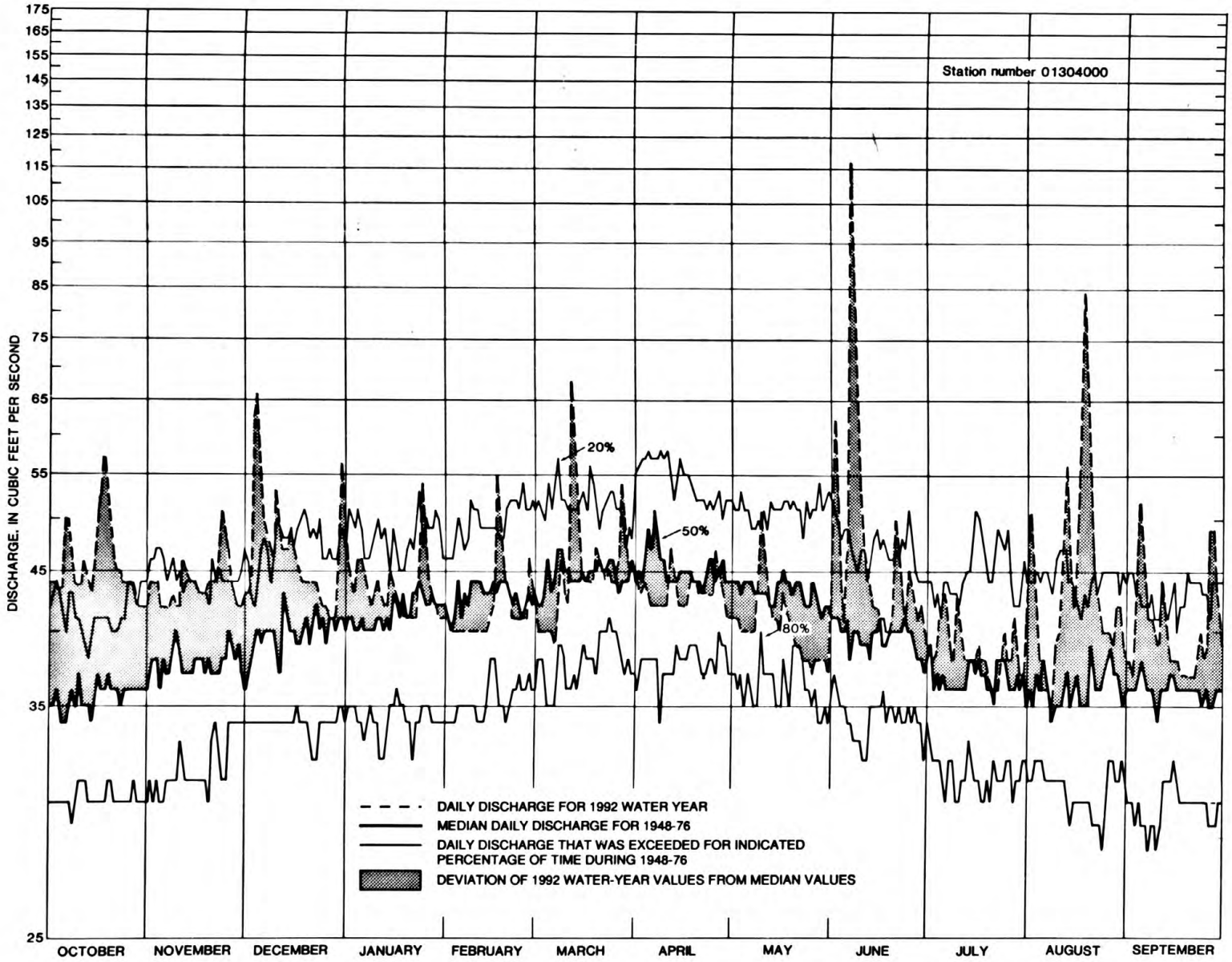


Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown

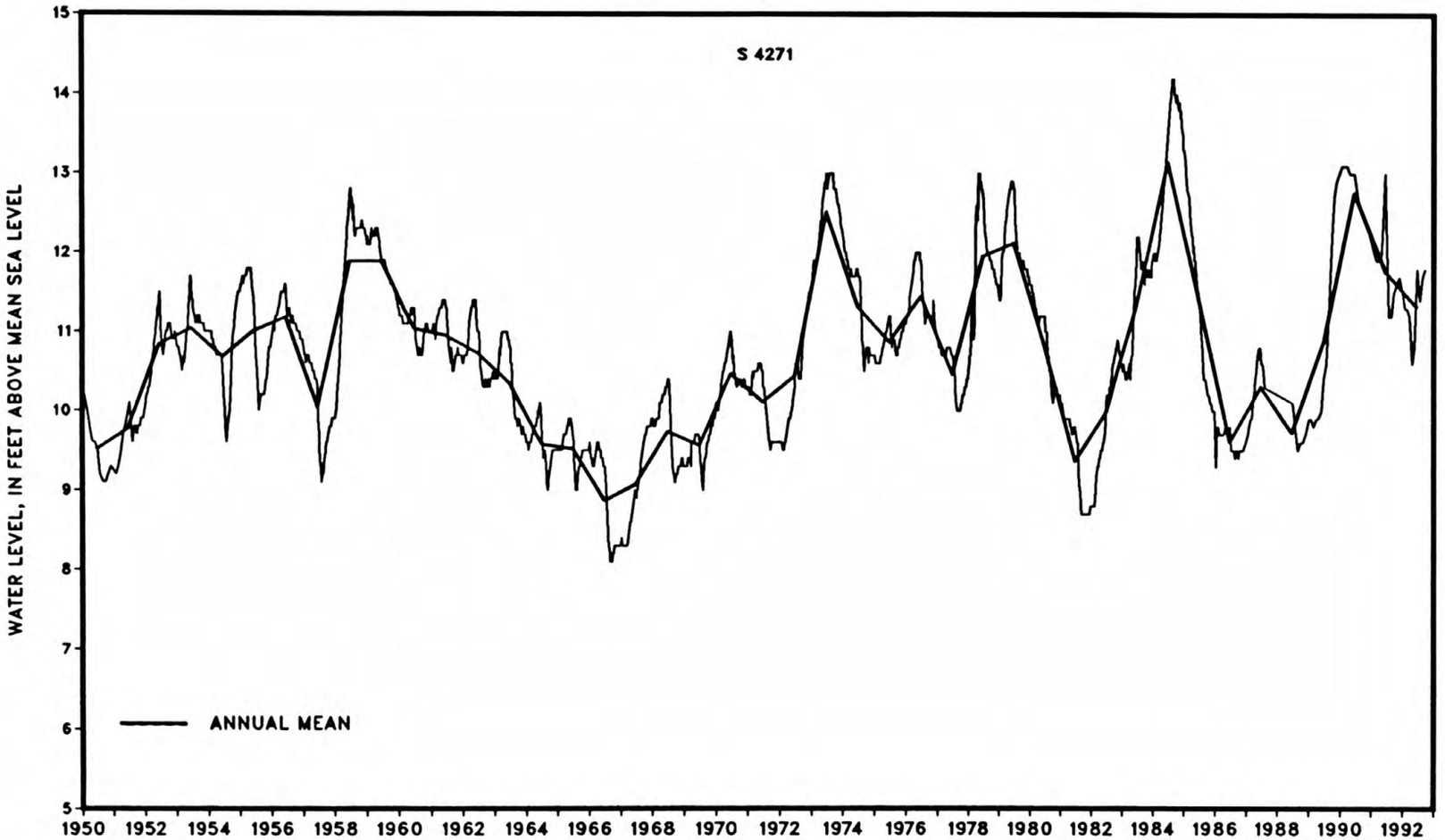


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead

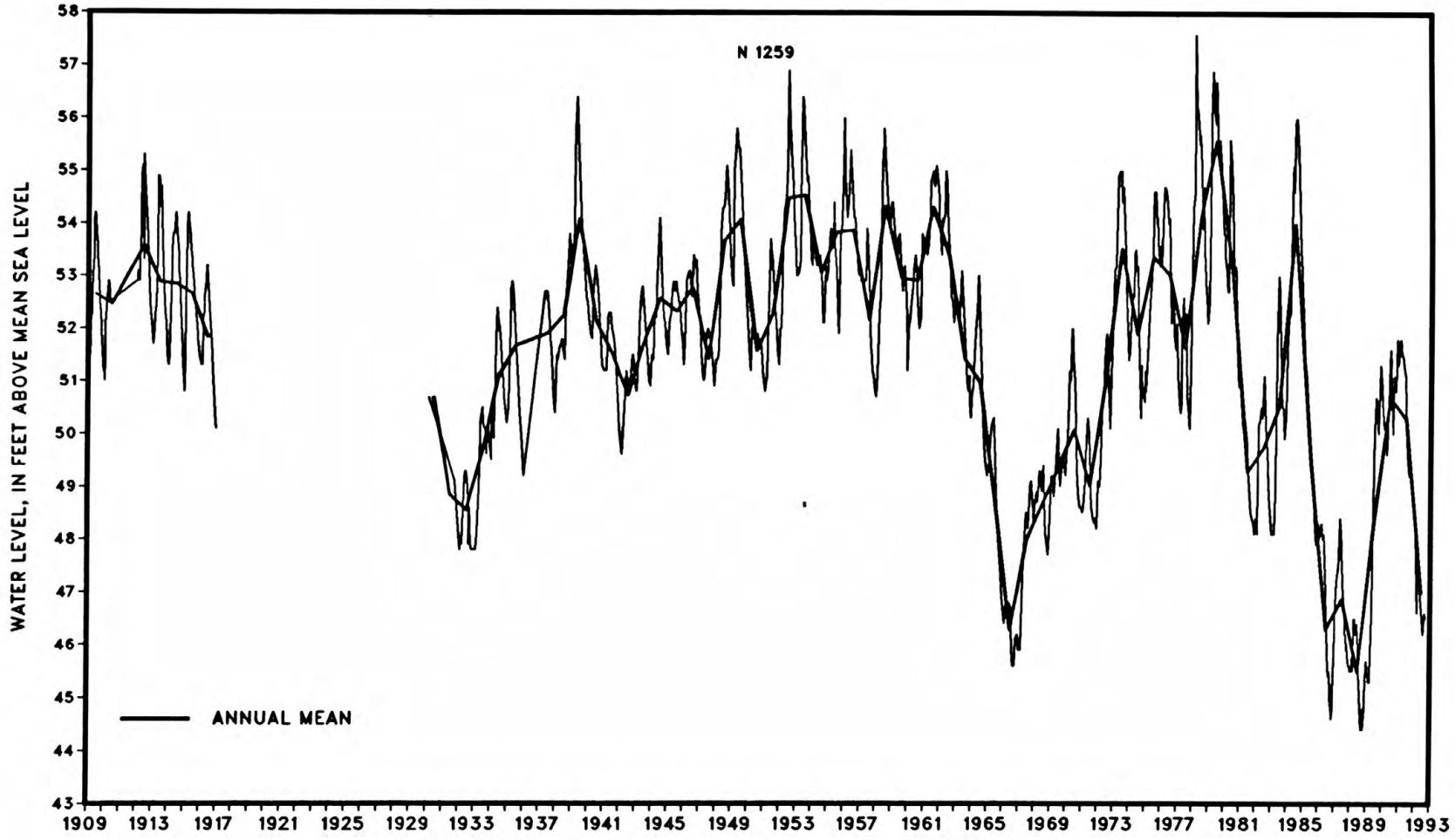


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge

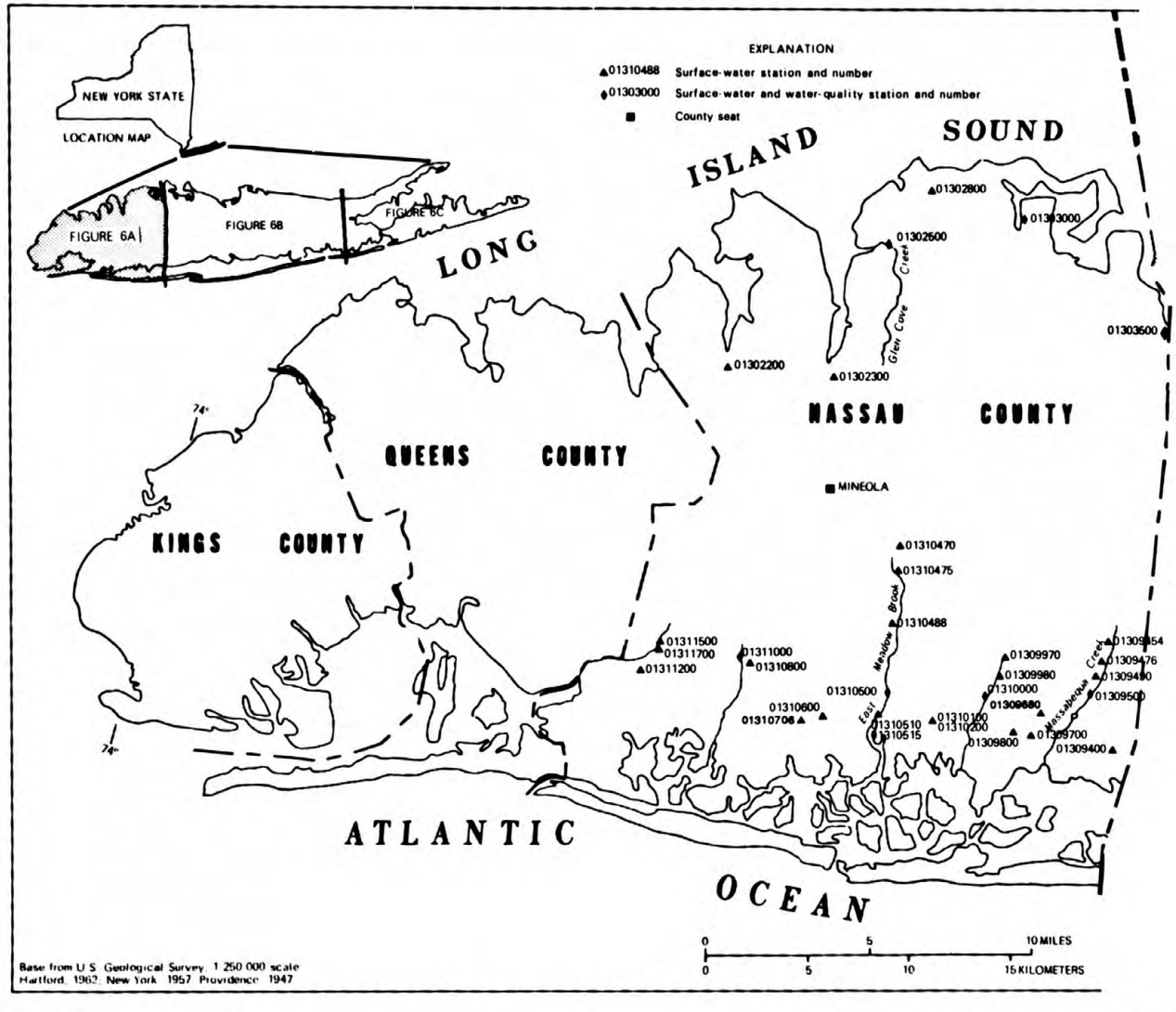


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

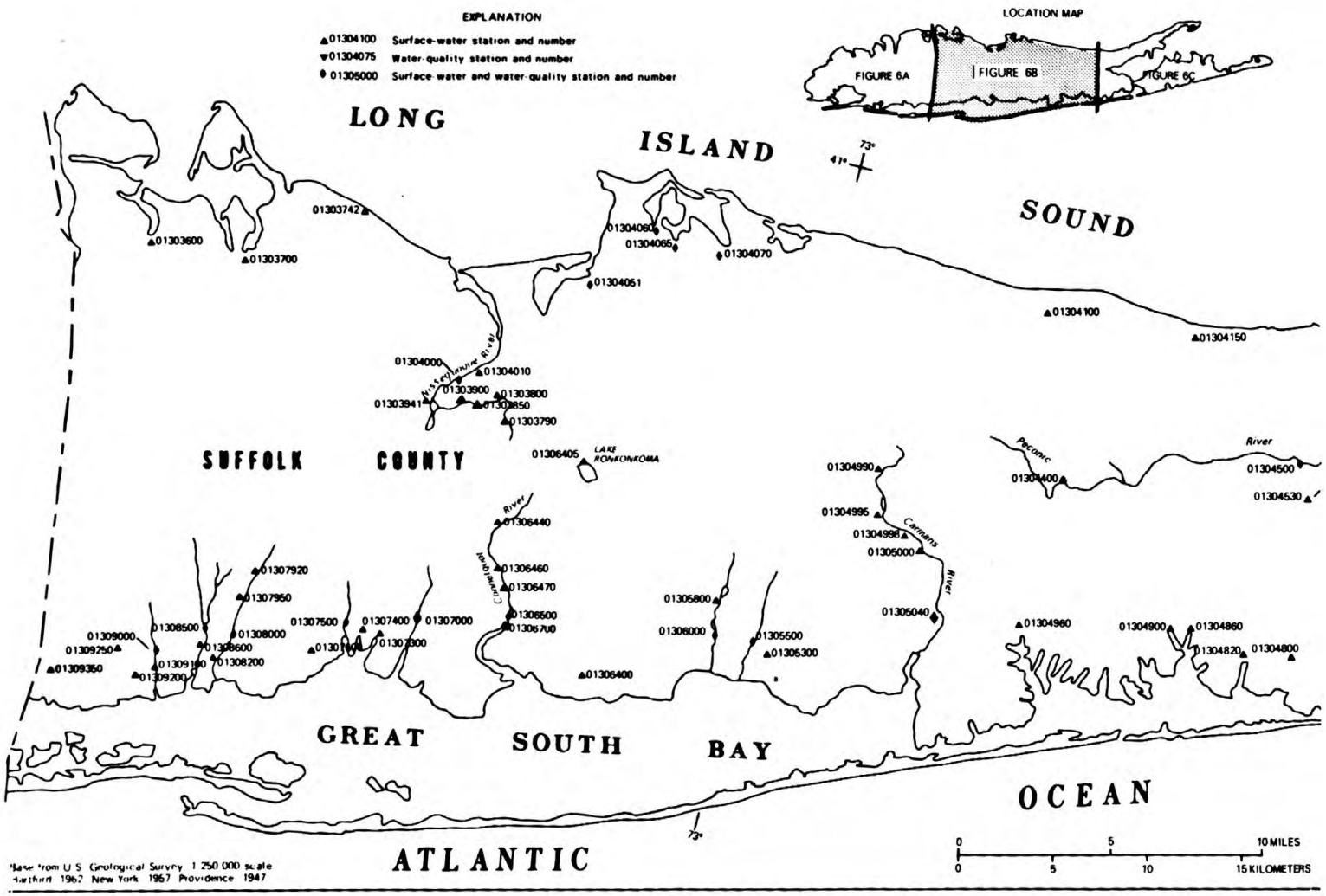


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

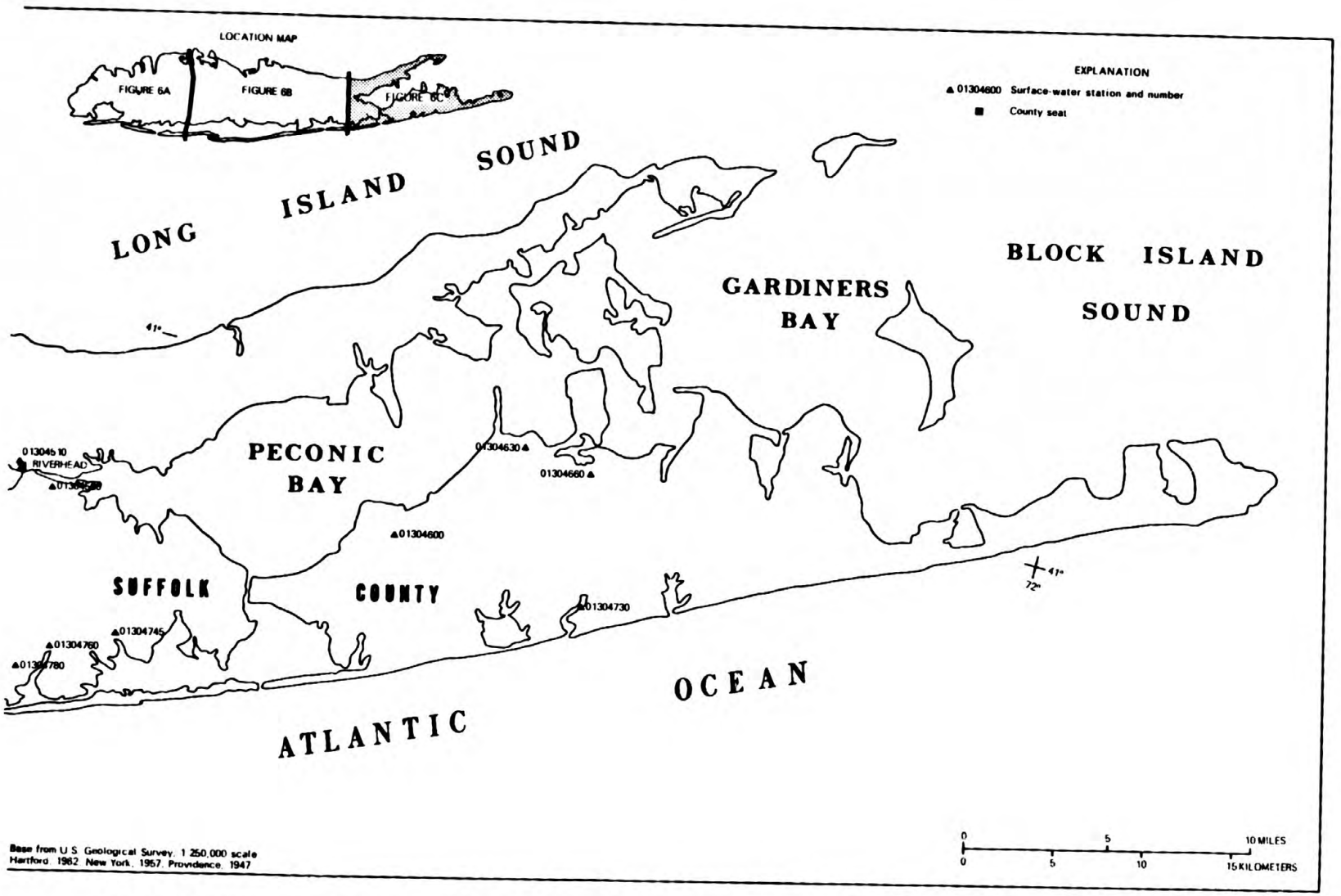


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

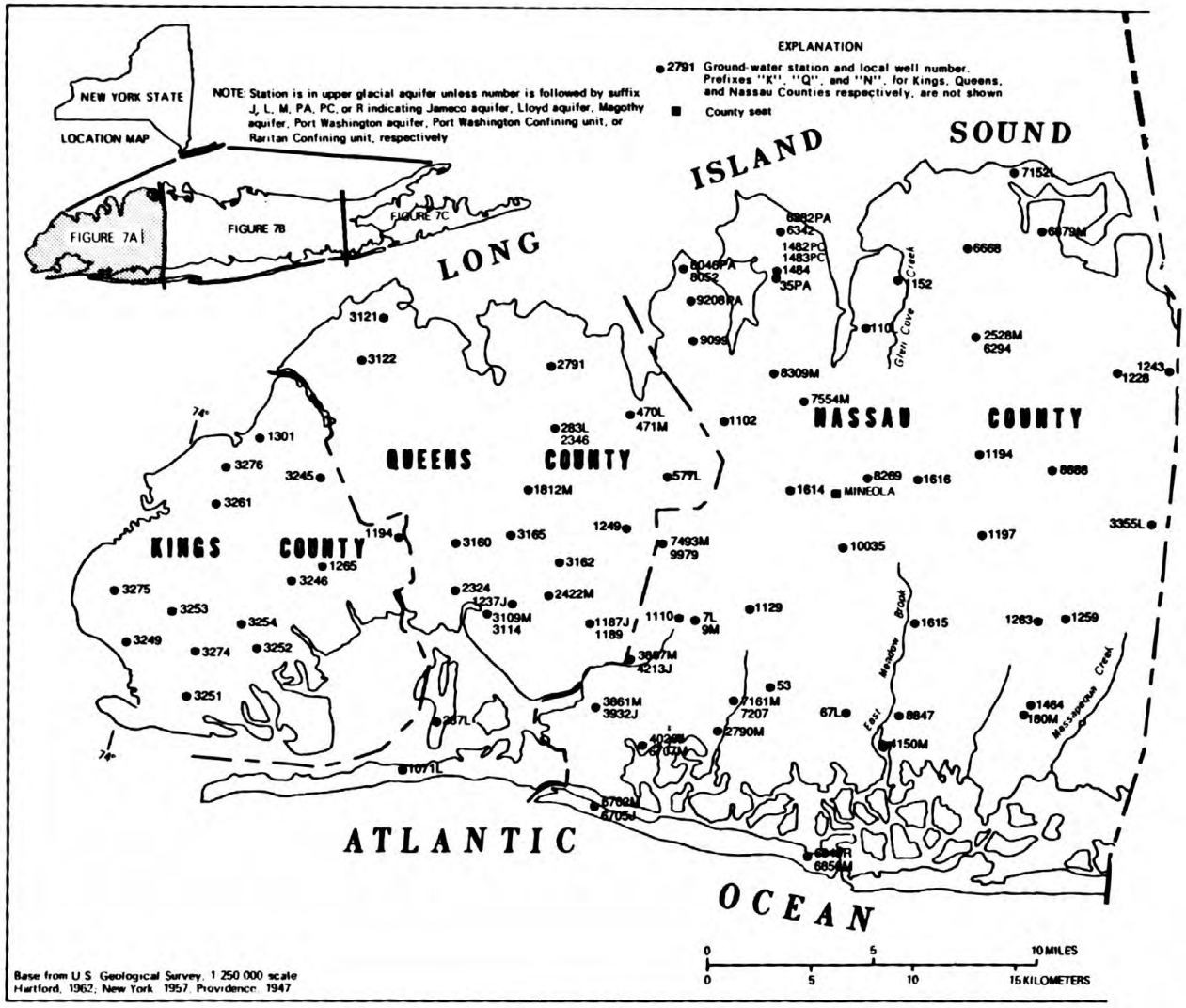


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

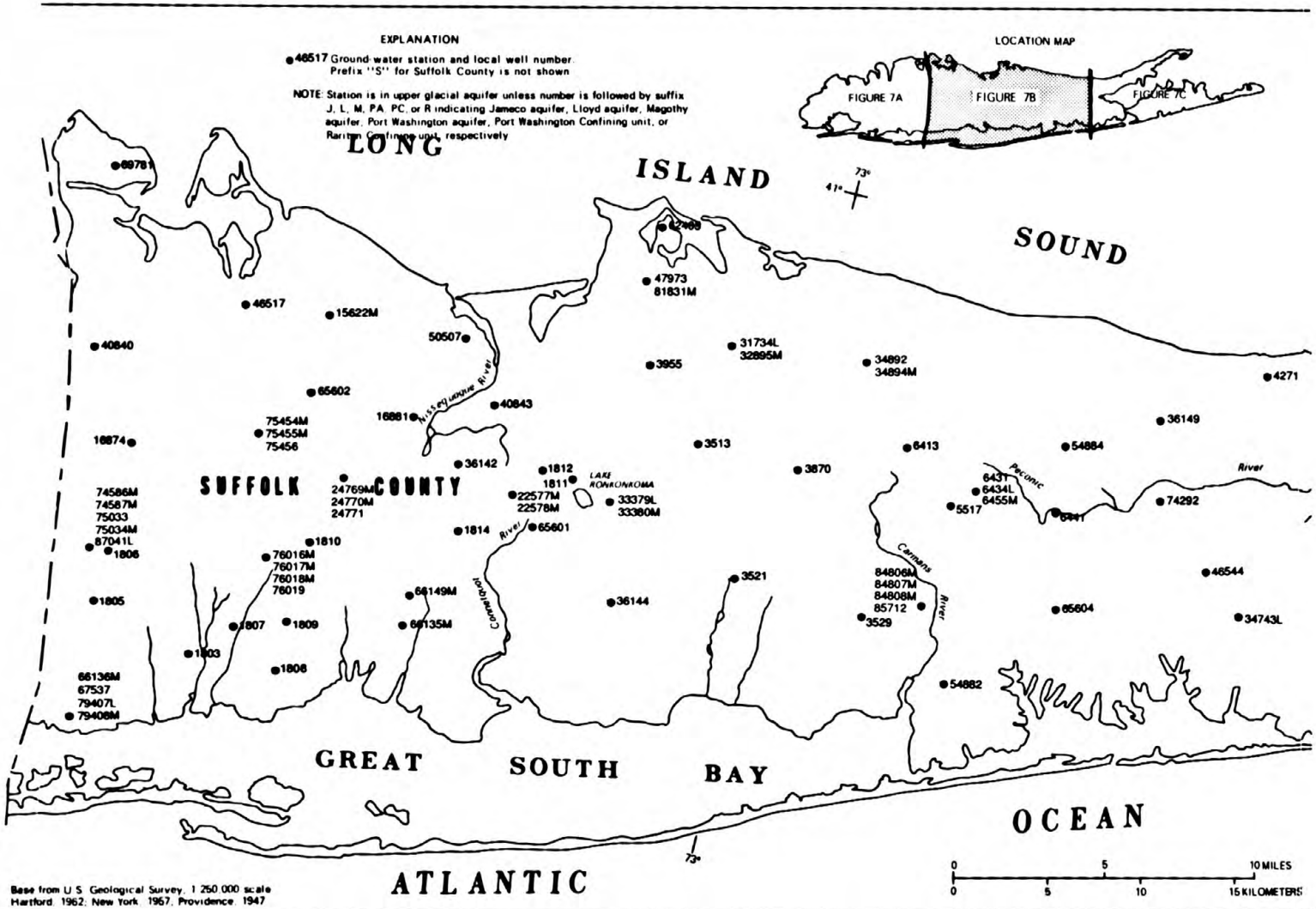


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

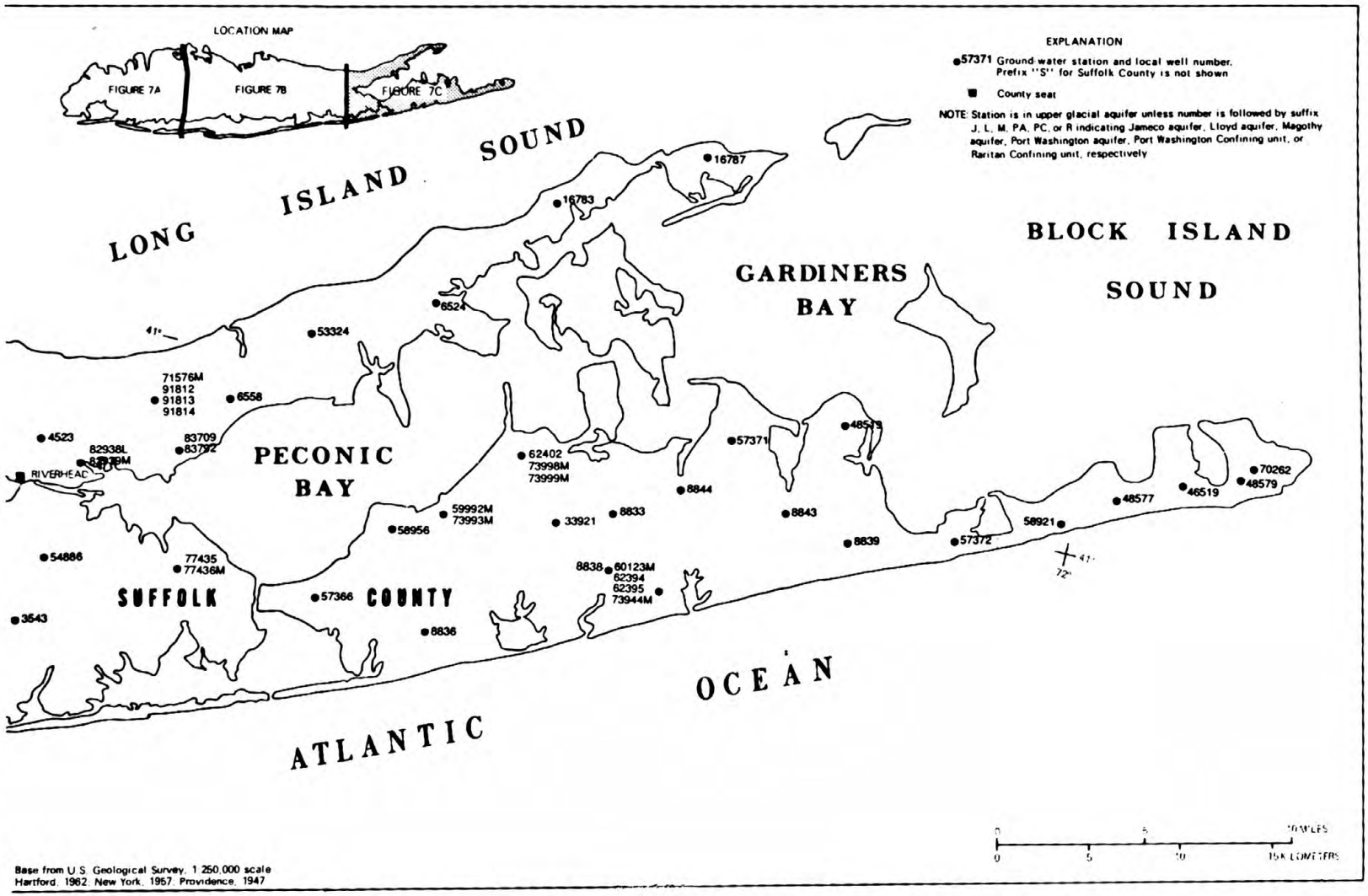


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

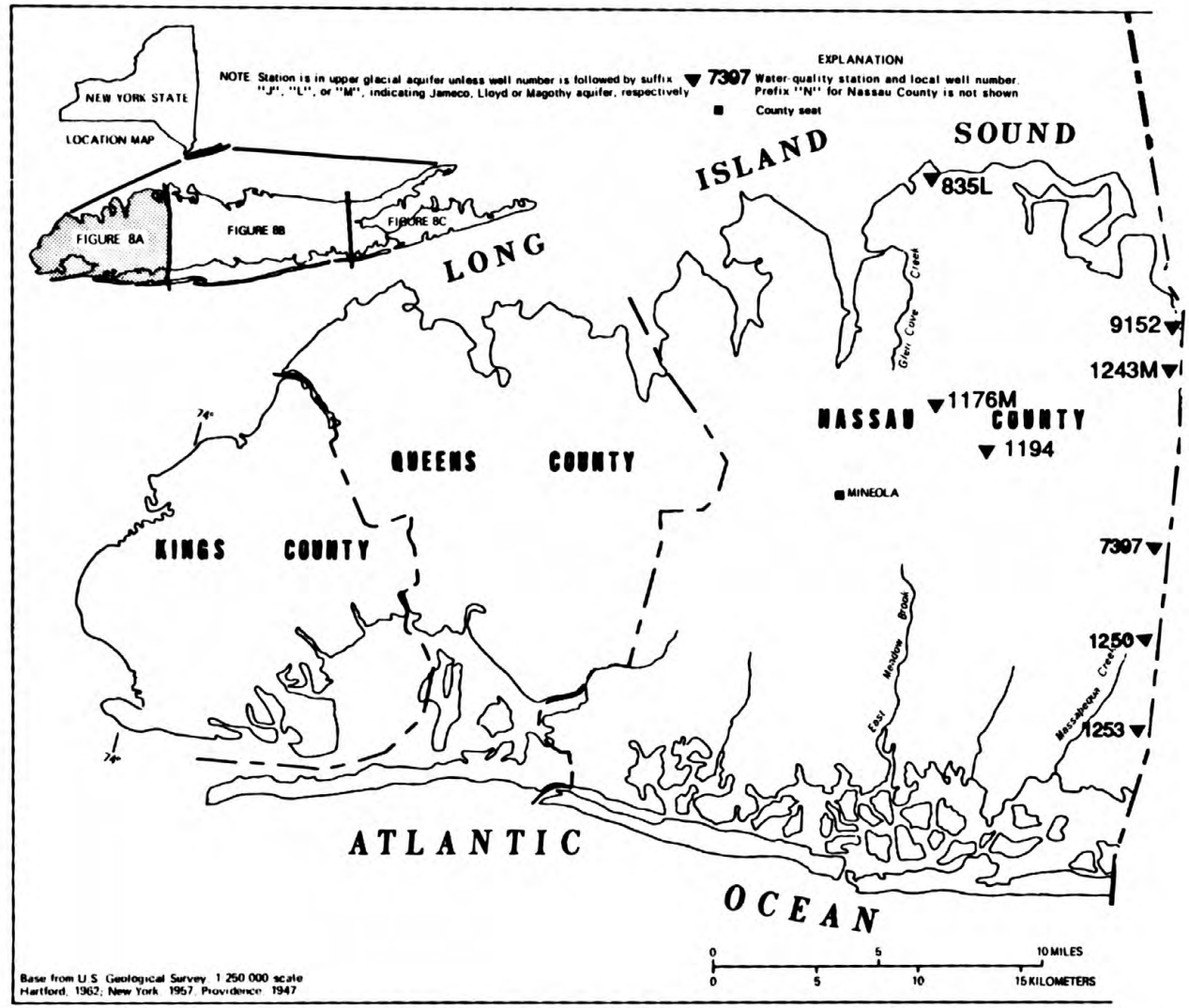


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

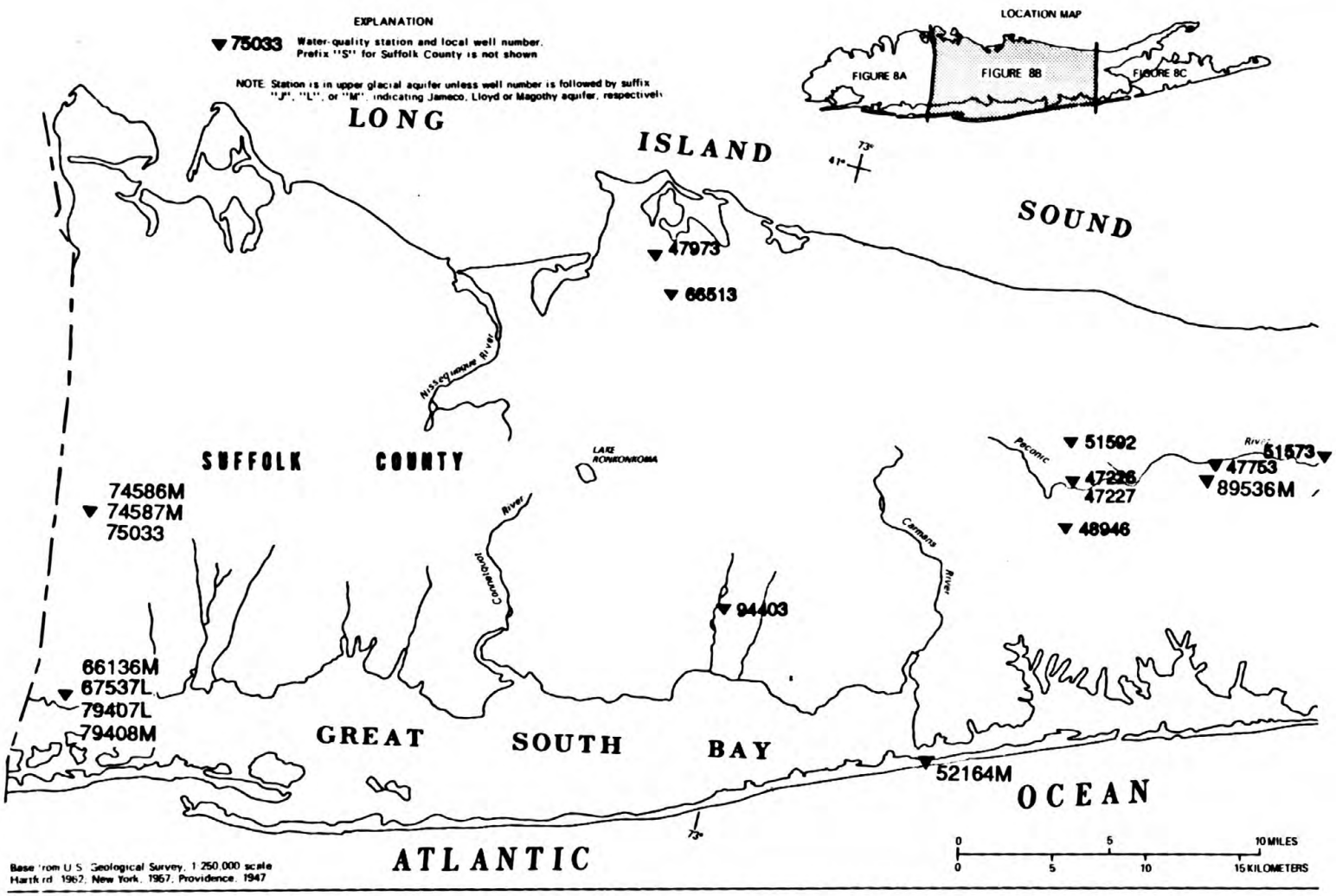


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

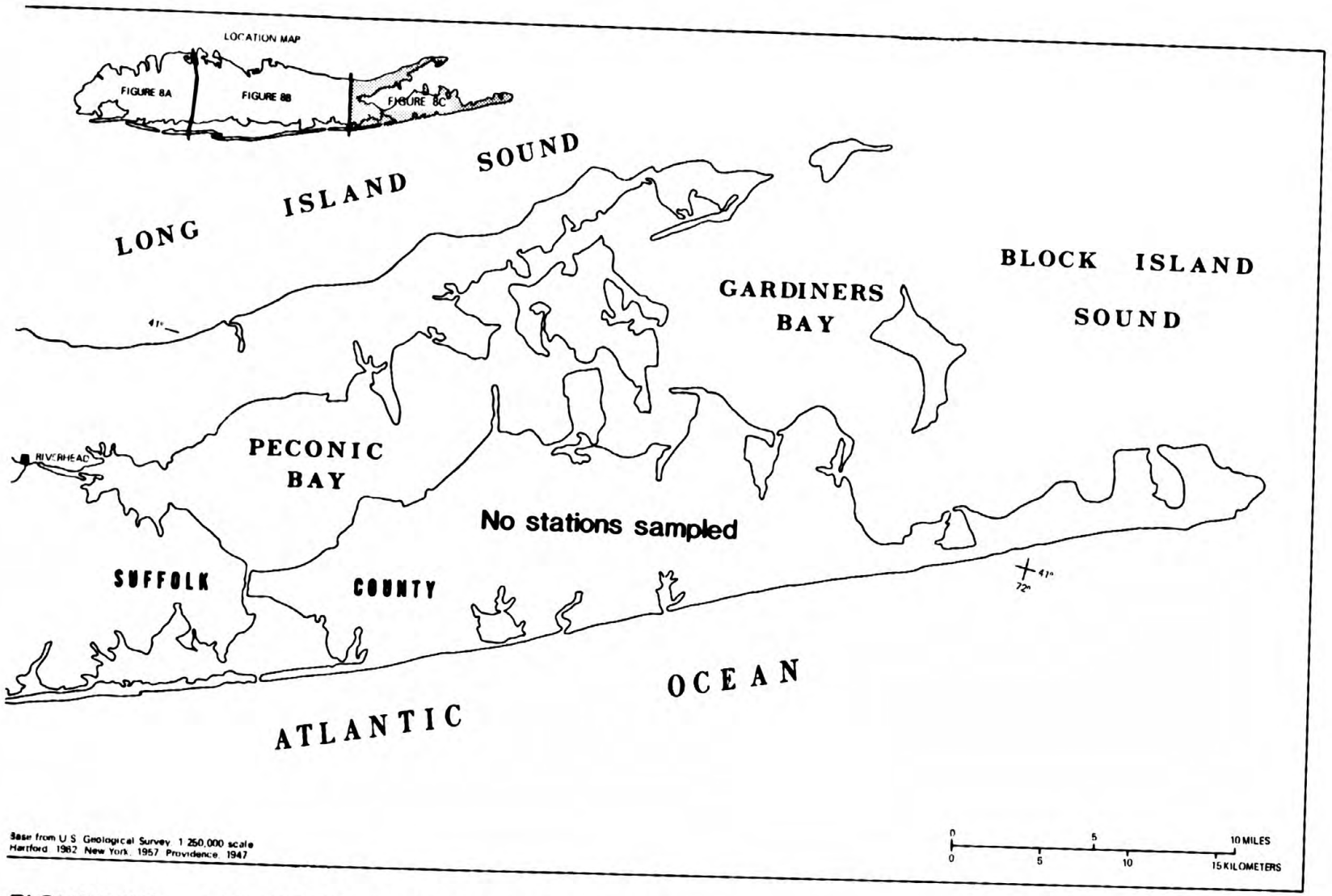


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

01302500 GLEN COVE CREEK AT GLEN COVE, NY

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

DRAINAGE AREA.--About 11 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS (WATER YEARS).--WSP 971: 1939-42. WDR NY-88-2: 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	6.3	4.9	5.1	4.5	4.4	5.6	5.1	9.4	4.1	5.2	3.9
2	5.5	5.5	7.4	4.9	4.5	4.4	5.3	5.5	7.0	4.1	4.4	3.9
3	5.5	5.5	30	4.8	4.4	4.4	5.1	5.3	5.8	5.1	4.0	23
4	5.5	5.5	12	7.3	4.5	4.4	5.0	5.1	5.0	6.1	4.6	4.9
5	5.8	5.5	7.0	5.0	4.4	4.4	4.9	5.1	36	4.0	4.3	4.1
6	6.5	5.5	6.3	4.7	4.4	4.4	4.9	5.1	17	5.7	4.2	3.9
7	5.3	5.5	5.5	4.5	4.4	11	4.9	5.1	8.3	4.0	3.9	3.9
8	5.3	5.5	5.0	4.4	4.6	5.3	5.0	9.0	6.8	4.5	3.9	4.0
9	5.3	5.5	6.9	5.7	4.4	4.9	5.1	5.8	5.8	14	8.2	4.1
10	5.3	5.6	11	4.7	4.4	9.1	4.9	6.9	5.0	4.5	4.2	9.5
11	8.9	11	5.2	4.7	4.5	19	11	5.1	4.6	4.1	71	5.8
12	5.7	5.6	4.9	4.8	4.4	6.8	5.7	5.0	4.6	4.2	13	4.5
13	5.4	5.8	10	4.9	4.4	5.8	5.3	4.9	4.2	4.1	10	4.0
14	5.3	5.7	6.4	9.5	5.0	5.2	5.3	4.9	4.2	4.3	11	3.9
15	9.3	5.5	5.0	4.8	16	4.9	5.1	5.0	4.2	12	5.7	3.9
16	5.6	5.4	4.7	4.7	13	4.6	6.1	8.4	4.1	7.1	21	3.9
17	17	5.5	4.5	4.8	6.3	4.5	6.4	5.2	4.2	5.7	28	3.9
18	8.7	5.4	4.5	5.1	5.9	4.5	5.4	5.1	4.2	4.4	71	3.9
19	7.7	5.4	4.4	5.1	5.4	6.4	5.9	5.0	7.9	4.0	17	3.9
20	6.2	5.5	4.4	5.1	4.9	6.3	5.1	4.9	11	4.0	9.8	3.9
21	5.9	6.1	4.5	5.1	4.6	5.0	5.2	4.9	4.8	4.0	6.3	3.9
22	5.5	22	4.4	5.1	4.5	5.0	5.7	4.9	4.4	3.9	4.9	7.8
23	5.7	9.3	4.4	13	4.5	6.5	5.1	4.7	4.2	7.4	4.4	5.1
24	5.4	6.9	4.4	7.8	4.4	4.8	7.6	4.4	11	4.1	4.2	4.1
25	5.4	5.5	4.4	5.8	5.6	4.7	8.1	4.4	4.3	4.0	4.2	4.2
26	5.5	4.9	4.4	5.1	9.3	17	5.4	4.9	4.2	5.8	4.1	10
27	5.5	4.5	4.4	4.7	5.0	13	5.3	5.0	8.1	4.5	4.4	7.5
28	5.4	4.4	4.4	4.6	4.7	6.9	5.1	4.9	4.5	4.0	4.0	4.5
29	5.4	4.3	16	4.5	4.5	5.9	5.5	4.9	4.1	4.0	4.0	4.2
30	5.5	4.2	7.7	4.5	---	5.5	5.2	4.8	4.1	3.9	3.9	3.9
31	5.9	---	5.5	4.5	---	6.5	---	31	---	14	3.9	---
TOTAL	196.5	188.8	214.5	169.3	161.4	205.5	170.2	190.3	213.0	169.6	352.7	162.0
MEAN	6.34	6.29	6.92	5.46	5.57	6.63	5.67	6.14	7.10	5.47	11.4	5.40
MAX	17	22	30	13	16	19	11	31	36	14	71	23
MIN	5.3	4.2	4.4	4.4	4.4	4.4	4.9	4.4	4.1	3.9	3.9	3.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

MEAN	6.42	7.09	7.15	7.60	7.87	8.41	8.22	7.61	6.85	6.91	7.45	6.76
MAX	11.7	15.4	12.4	29.8	16.2	14.7	23.5	21.2	16.0	19.1	20.5	13.7
(WY)	1990	1978	1984	1979	1941	1980	1983	1989	1984	1984	1955	1975
MIN	3.18	3.23	3.48	3.27	3.48	4.32	3.90	3.87	3.07	3.14	3.25	2.84
(WY)	1966	1966	1966	1970	1967	1981	1966	1965	1971	1970	1965	1967

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1939 - 1992	
ANNUAL TOTAL	2757.4		2393.8			
ANNUAL MEAN	7.55		6.54		7.36	
HIGHEST ANNUAL MEAN					12.8	1979
LOWEST ANNUAL MEAN					4.22	1966
HIGHEST DAILY MEAN	83	Aug 19	71	Aug 11	455	Jan 21 1979
LOWEST DAILY MEAN	4.2	Nov 30	3.9	Jul 22	2.2	Oct 8 1967
ANNUAL SEVEN-DAY MINIMUM	4.4	Dec 22	3.9	Sep 14	2.3	Oct 2 1967
INSTANTANEOUS PEAK FLOW			597a	Aug 11	728a	Sep 12 1960
INSTANTANEOUS PEAK STAGE			6.21	Aug 11	7.12	Sep 12 1960
INSTANTANEOUS LOW FLOW			3.7	Sep 24	2.1	Oct 15 1967
10 PERCENT EXCEEDS	11		9.5		11	
50 PERCENT EXCEEDS	5.5		5.1		5.8	
90 PERCENT EXCEEDS	4.7		4.1		3.5	

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

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT									
02...	0955	5.6	300	6.9	13.5	776	9.5	23	8.1
JAN									
07...	1110	4.5	295	6.9	9.5	760	--	22	8.0
APR									
06...	0850	4.9	303	7.0	10.5	765	10.6	23	7.8
JUL									
09...	0845	6.7	200	6.7	17.0	755	9.8	15	5.1

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT									
02...	21	2.2	46	31	39	<0.10	17	0.007	3.80
JAN									
07...	21	2.3	43	30	39	0.20	17	0.010	3.90
APR									
06...	21	2.1	41	29	41	0.10	16	0.007	3.80
JUL									
09...	12	1.8	31	18	26	<0.10	10	0.019	2.70

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT									
02...	0.060	<0.20	0.017	0.008	410	250	60	68	0.05
JAN									
07...	0.060	<0.20	0.016	0.015	410	260	60	59	0.05
APR									
06...	0.030	<0.20	0.009	0.004	280	190	60	57	0.05
JUL									
09...	0.060	<0.20	0.043	0.027	640	200	40	43	0.06

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.

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)
Oct. 31	0700	(b)	*1.90
Aug. 11	1930	*82	1.05
Aug. 18	0330	53	0.97

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	7.0	7.9	8.0	7.0	6.7	7.6	6.3	12	5.5	7.4	6.3
2	7.5	7.0	8.3	7.5	6.6	6.7	7.3	6.4	8.8	5.2	6.2	6.3
3	7.5	7.0	15	7.4	6.6	6.7	7.1	6.4	7.2	5.3	5.6	6.5
4	7.5	7.0	17	8.6	6.8	6.7	7.0	6.2	6.2	6.5	5.6	14
5	7.6	7.0	10	8.6	6.7	6.7	6.8	6.1	9.7	6.2	5.7	9.4
6	8.0	7.0	8.4	7.9	6.6	6.6	6.9	6.0	19	6.0	5.5	8.0
7	7.5	7.2	7.9	7.2	6.7	8.0	6.9	6.0	11	5.5	5.3	7.6
8	7.3	7.1	7.6	7.0	7.0	8.5	6.8	6.4	8.3	5.3	5.2	7.4
9	7.2	7.2	7.6	7.3	6.8	7.7	6.8	8.2	7.4	8.2	6.5	7.1
10	7.3	7.5	10	7.6	6.5	7.7	7.2	8.0	6.7	6.9	7.1	7.6
11	7.6	9.3	8.6	7.1	6.6	13	8.3	7.7	5.9	5.7	22	8.4
12	8.2	8.7	7.8	7.0	6.6	9.7	8.1	6.8	5.8	5.4	28	7.6
13	7.8	8.2	8.6	7.0	6.7	7.9	7.1	6.7	5.6	5.5	13	7.1
14	7.4	7.7	9.4	8.5	7.3	7.2	6.8	6.4	5.5	5.5	11	7.0
15	7.7	7.6	8.1	8.2	8.0	6.8	6.4	6.0	5.3	6.3	9.5	6.8
16	8.4	7.5	7.3	7.4	13	6.7	6.8	6.7	5.3	9.2	11	6.8
17	9.0	7.1	7.1	6.9	9.5	6.9	7.9	6.8	5.4	7.2	14	6.7
18	10	7.3	7.2	6.7	8.2	6.7	7.8	6.4	5.3	6.4	38	6.7
19	8.6	7.3	7.0	6.5	7.8	8.0	7.6	6.1	5.9	5.9	16	6.6
20	7.7	7.4	7.0	6.7	7.3	8.2	7.3	5.9	8.6	5.6	10	6.3
21	7.4	7.5	7.3	6.7	6.9	7.6	7.2	5.8	9.0	5.2	8.0	6.3
22	7.4	10	7.3	6.7	6.7	7.5	7.4	5.8	7.2	5.0	7.2	6.9
23	7.3	16	7.5	8.2	6.9	8.1	7.9	5.9	7.2	5.6	6.8	7.9
24	7.4	11	7.4	11	6.9	7.5	7.6	5.6	8.6	6.1	6.5	6.8
25	7.6	9.0	7.1	8.4	7.1	7.3	9.1	5.6	7.8	5.6	6.3	6.4
26	7.7	7.8	7.1	7.7	9.0	8.2	8.8	5.9	6.6	5.7	6.3	9.5
27	7.7	7.3	7.3	7.1	8.1	13	7.9	6.3	6.5	6.6	6.3	9.3
28	7.2	7.3	7.3	7.0	7.4	9.2	6.9	6.2	6.8	6.0	6.4	8.6
29	7.0	7.3	9.6	7.0	6.9	7.8	6.5	5.9	6.1	5.6	6.1	7.6
30	7.0	7.5	11	7.0	---	7.4	6.3	5.7	5.6	5.3	6.0	6.9
31	7.0	---	8.9	7.0	---	8.0	---	10	---	6.6	6.1	---
TOTAL	238.0	239.8	265.6	232.9	214.2	244.7	220.1	200.2	226.3	186.6	304.6	228.4
MEAN	7.68	7.99	8.57	7.51	7.39	7.89	7.34	6.46	7.54	6.02	9.83	7.61
MAX	10	16	17	11	13	13	9.1	10	19	9.2	38	14
MIN	7.0	7.0	7.0	6.5	6.5	6.6	6.3	5.6	5.3	5.0	5.2	6.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	8.38	9.24	9.24	9.18	9.45	9.97	9.77	9.32	8.63	8.49	8.66	8.41
MAX	12.9	12.3	14.5	16.4	13.4	13.8	14.9	13.9	14.1	17.9	15.7	13.3
(WY)	1956	1978	1974	1979	1979	1953	1980	1984	1984	1984	1955	1960
MIN	5.22	5.48	5.20	5.36	5.66	6.59	5.19	5.45	4.53	4.10	4.54	4.64
(WY)	1966	1967	1967	1967	1966	1966	1966	1965	1966	1966	1966	1965

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

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	3199.0		2801.4			
ANNUAL MEAN	8.76		7.65		9.07	
HIGHEST ANNUAL MEAN					12.1	1984
LOWEST ANNUAL MEAN					5.59	1966
HIGHEST DAILY MEAN	30	Aug 21	38	Aug 18	105	Aug 12 1955
LOWEST DAILY MEAN	5.9	Jul 18,19,21	5.0	Jul 22	3.6	Sep 11 1965
ANNUAL SEVEN-DAY MINIMUM	6.0	Jul 17	5.5	Jun 12	3.7	Oct 7 1966
INSTANTANEOUS PEAK FLOW			62	Aug 11	137a	Sep 12 1960
INSTANTANEOUS PEAK STAGE			1.90b	Oct 31	4.85c	Sep 21 1938
INSTANTANEOUS LOW FLOW			5.0d	Jun 18	.09e	Dec 11 1941
10 PERCENT EXCEEDS	11		9.3		12	
50 PERCENT EXCEEDS	8.0		7.2		8.4	
90 PERCENT EXCEEDS	7.0		5.9		5.8	

a From rating curve extended above 70 ft^3/s.
b Backwater from high tide.
c From hurricane wave.
d Also occurred on June 18,19, July 2,3,8,15,21-23,29, and Aug 7,8.
e Result of freezeup.

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 02...	0825	7.4	141	7.6	17.0	767	9.3	10	4.1
JAN 07...	1000	7.0	506	7.8	3.0	761	12.9	13	11
APR 06...	1125	7.0	215	7.8	10.0	764	11.9	12	5.1
JUL 15...	0900	5.4	173	8.7	28.0	--	--	11	4.8

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 02...	9.7	1.3	25	17	16	0.20	8.6	0.012	0.880
JAN 07...	71	3.5	26	35	130	0.20	10	0.022	1.50
APR 06...	21	1.4	26	19	37	<0.10	5.3	0.010	0.970
JUL 15...	14	1.7	31	16	21	<0.10	9.5	0.016	0.210

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 02...	<0.010	0.10	0.061	0.001	490	130	50	8	0.03
JAN 07...	0.090	0.20	0.029	0.001	260	86	30	18	0.06
APR 06...	<0.010	<0.20	0.023	0.001	400	130	30	9	0.03
JUL 15...	0.030	0.60	0.061	0.003	700	160	50	2	0.06

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

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

DRAINAGE AREA.--About 7.3 mi^2.

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.6	2.5	3.0	2.8	2.8	3.0	2.6	6.0	2.2	3.0	2.8
2	2.8	2.6	2.6	2.8	2.8	2.8	2.9	2.6	4.0	2.2	2.3	2.6
3	2.8	2.4	4.5	2.8	2.8	2.8	3.0	2.6	3.1	2.2	2.0	2.7
4	2.8	2.3	5.0	3.2	2.8	2.8	2.8	2.6	2.7	2.6	2.1	2.9
5	2.8	2.0	3.4	3.3	2.8	3.0	2.8	2.6	4.0	2.4	2.1	2.4
6	3.0	2.0	2.9	3.0	2.8	2.9	2.7	2.6	7.8	2.5	1.7	2.1
7	2.9	2.1	2.8	2.8	2.8	3.3	2.8	2.6	4.4	2.6	1.8	2.0
8	2.8	2.1	2.8	2.8	2.8	3.5	2.8	2.8	3.3	1.9	1.7	2.1
9	2.8	2.0	2.7	2.9	2.9	3.2	2.8	3.6	2.9	3.1	2.2	2.0
10	2.8	2.1	3.4	3.0	2.6	3.0	2.8	3.4	2.6	2.7	2.3	2.1
11	2.9	3.1	3.0	2.8	2.6	4.8	3.4	3.1	2.4	2.3	3.3	2.7
12	3.3	2.9	2.7	2.8	2.6	4.1	3.3	2.8	2.4	2.2	4.8	2.2
13	3.0	2.5	2.8	2.5	2.6	3.2	2.9	2.9	2.4	2.3	2.0	2.0
14	2.9	2.3	3.1	3.1	3.0	2.9	2.8	2.8	2.3	2.1	3.8	1.8
15	3.1	2.2	2.9	3.1	3.2	2.8	2.8	2.8	2.2	2.1	2.9	1.9
16	3.8	2.2	2.6	2.9	5.8	2.8	2.8	2.9	2.2	3.0	3.0	2.0
17	3.7	2.1	2.4	2.8	4.3	2.8	3.0	2.9	2.2	2.5	4.6	2.0
18	5.1	2.2	2.4	2.8	3.2	2.8	3.2	2.8	2.2	2.3	12	2.0
19	3.7	2.2	2.3	2.6	3.2	3.5	3.1	2.7	2.4	2.2	4.3	2.0
20	2.8	2.3	2.3	2.7	2.9	3.2	3.0	2.6	3.2	2.0	3.1	1.9
21	2.5	2.4	2.7	2.9	3.0	3.0	2.9	2.4	3.4	1.9	2.5	1.8
22	2.6	3.0	2.8	2.8	2.9	3.1	2.9	2.6	2.7	2.0	2.0	2.0
23	2.6	4.6	2.8	3.2	2.8	3.2	2.9	2.6	2.3	2.2	2.3	2.4
24	2.6	3.7	2.8	4.2	2.8	3.0	2.8	2.5	2.7	2.4	2.0	2.0
25	2.6	3.0	2.8	3.3	2.9	2.9	3.2	2.6	2.7	2.1	1.9	1.8
26	2.8	2.6	2.8	3.0	3.6	3.2	3.0	2.6	2.3	2.2	2.2	3.5
27	2.9	2.4	2.8	2.8	3.3	4.6	2.8	2.6	2.6	2.4	1.8	3.5
28	2.7	2.2	2.7	2.8	3.0	3.7	2.8	2.6	2.7	2.4	1.4	2.6
29	2.6	2.4	3.5	2.8	2.9	3.1	2.7	2.6	2.6	2.0	.98	2.1
30	2.6	2.4	4.3	2.8	---	2.9	2.6	2.4	2.4	.86	.56	1.8
31	2.4	---	3.5	2.8	---	3.0	---	4.0	---	2.8	1.8	---
TOTAL	91.5	74.9	92.6	91.1	88.5	98.7	87.3	85.8	91.1	70.66	84.44	67.7
MEAN	2.95	2.50	2.99	2.94	3.05	3.18	2.91	2.77	3.04	2.28	2.72	2.26
MAX	5.1	4.6	5.0	4.2	5.8	4.8	3.4	4.0	7.8	3.1	12	3.5
MIN	2.4	2.0	2.3	2.5	2.6	2.8	2.6	2.4	2.2	.86	.56	1.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

MEAN	2.50	2.69	2.64	2.82	2.94	2.92	2.91	2.78	2.67	2.63	2.75	2.53
MAX	6.02	6.35	5.95	8.56	6.85	6.56	7.25	6.60	6.37	6.17	6.11	6.35
(WY)	1980	1980	1980	1979	1979	1979	1980	1979	1979	1979	1979	1979
MIN	.38	.29	.29	.27	.29	.46	.45	.41	.67	.63	.59	.63
(WY)	1966	1967	1967	1967	1967	1967	1966	1967	1967	1966	1988	1965

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	1278.6		1024.30			
ANNUAL MEAN	3.50		2.80		2.73	
HIGHEST ANNUAL MEAN					6.32	1979
LOWEST ANNUAL MEAN					.51	1967
HIGHEST DAILY MEAN	32	Aug 19	12	Aug 18	53	Jan 21 1979
LOWEST DAILY MEAN	2.0	Nov 5,6,9	.56	Aug 30	.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	2.1	Nov 4	1.5	Aug 25	.22	Dec 3 1983
INSTANTANEOUS PEAK FLOW			18b	Aug 18	181ab	Jan 21 1979
INSTANTANEOUS PEAK STAGE			3.88c	Oct 31	5.34c	Aug 31 1954
INSTANTANEOUS LOW FLOW			.47bd	Jul 30	.20	Jan 24 1967
10 PERCENT EXCEEDS	4.3		3.4		4.4	
50 PERCENT EXCEEDS	3.4		2.8		2.6	
90 PERCENT EXCEEDS	2.5		2.0		.86	

a From rating curve extended above 70 ft^3/s.
b Result of regulation.
c Backwater from high tide.
d Also occurred on Jul 31, Aug 4, 30.

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
JAN									
22...	1020	2.8	103	6.5	2.0	772	12.8	5.4	2.1
APR									
08...	1040	2.8	122	7.4	10.0	760	13.4	5.1	2.0
JUL									
07...	0815	3.0	96.3	7.2	22.5	763	8.7	4.8	2.0

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JAN									
22...	10	1.1	14	9.5	21	0.10	6.7	0.011	1.20
APR									
08...	13	0.80	13	6.9	23	0.20	4.4	0.005	0.790
JUL									
07...	9.0	0.70	15	5.4	15	<0.10	6.8	0.017	0.450

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JAN									
22...	0.010	0.30	0.028	0.004	140	53	<10	4	0.03
APR									
08...	0.030	<0.20	0.013	<0.001	370	200	10	15	0.02
JUL									
07...	0.060	0.20	0.016	0.004	610	390	20	16	0.02

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	44	43	46	41	40	44	41	62	39	51	38
2	44	44	44	44	40	40	43	41	51	38	44	37
3	43	44	62	43	40	40	44	40	44	39	40	42
4	43	42	66	46	40	40	43	40	41	43	38	52
5	43	42	55	46	40	40	42	40	51	43	36	47
6	50	42	50	45	40	39	42	40	118	42	36	42
7	50	42	48	43	40	42	42	40	84	39	36	41
8	46	43	47	42	40	46	42	43	62	38	35	41
9	44	42	46	43	40	43	42	51	53	43	39	40
10	44	42	53	44	40	42	42	47	48	41	40	39
11	44	46	50	43	40	68	47	44	45	39	46	44
12	46	45	47	42	40	60	46	42	43	38	56	42
13	44	44	47	42	40	51	43	41	42	38	46	40
14	43	44	49	45	41	46	42	41	42	38	45	38
15	46	44	47	44	42	44	42	40	41	38	42	38
16	52	43	46	43	55	44	42	43	41	39	51	38
17	53	43	45	42	49	44	44	42	40	38	71	37
18	57	43	44	41	46	44	45	41	40	38	84	37
19	52	44	44	41	44	47	44	40	41	37	65	37
20	49	44	44	41	43	46	43	39	50	36	52	37
21	46	44	44	41	41	45	43	39	47	36	46	37
22	45	48	44	41	41	44	43	38	42	36	43	38
23	45	51	43	47	41	45	43	38	41	38	41	40
24	44	50	42	54	41	44	43	38	45	40	40	38
25	44	47	42	48	41	44	47	37	44	38	40	39
26	44	44	41	44	46	46	45	38	42	38	40	49
27	44	43	41	43	44	54	43	38	41	41	39	49
28	42	42	41	42	43	49	42	38	42	38	42	45
29	42	42	48	41	41	46	41	38	40	37	42	41
30	42	43	56	41	---	45	41	37	39	36	39	39
31	42	---	50	41	---	45	---	49	---	45	38	---
TOTAL	1417	1321	1469	1349	1220	1413	1295	1264	1462	1207	1403	1222
MEAN	45.7	44.0	47.4	43.5	42.1	45.6	43.2	40.8	48.7	38.9	45.3	40.7
MAX	57	51	66	54	55	68	47	51	118	45	84	52
MIN	42	42	41	41	40	39	41	37	39	36	35	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

MEAN	38.7	40.5	42.2	43.6	44.7	46.7	47.8	45.9	43.0	40.1	39.8	38.4
MAX	76.1	70.0	63.8	75.5	66.2	70.1	73.7	63.0	69.2	70.4	59.0	55.3
(WY)	1991	1958	1991	1979	1979	1979	1983	1989	1984	1984	1984	1984
MIN	23.5	24.3	24.0	23.3	23.4	29.2	27.3	30.8	25.6	22.4	22.1	24.2
(WY)	1967	1967	1967	1967	1967	1966	1966	1966	1966	1966	1966	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	19588		16042			
ANNUAL MEAN	53.7		43.8		42.6	
HIGHEST ANNUAL MEAN					58.9	1991
LOWEST ANNUAL MEAN					27.0	1966
HIGHEST DAILY MEAN	135	Aug 20	118	Jun 6	334	Jan 22 1979
LOWEST DAILY MEAN	39	May 30	35	Aug 8	19	Jun 6 1967
ANNUAL SEVEN-DAY MINIMUM	42	Jul 16	37	Jul 17	21	Jul 31 1966
INSTANTANEOUS PEAK FLOW			128	Jun 6	952a	Jan 22 1979
INSTANTANEOUS PEAK STAGE			1.17	Jun 6	3.22	Jan 22 1979
INSTANTANEOUS LOW FLOW			35b	Jul 22	16c	Jun 5 1967
10 PERCENT EXCEEDS	65		50		56	
50 PERCENT EXCEEDS	51		43		41	
90 PERCENT EXCEEDS	42		38		31	

a Result of dam failure, from rating curve extended above 600 ft^3.
b Also occurred on Aug 7, 8, and 9.
c Also occurred on Jun 6 1967.

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 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT										
*01...	1420	44	98.0	5.9	13.0	--	9.8	--	--	--
NOV										
14...	0920	44	118	7.0	7.5	774	10.5	79	1.0	K9
DEC										
*18...	1440	44	--	--	3.5	--	12.9	--	--	--
FEB										
11...	1010	40	134	6.9	2.5	770	13.6	70	0.70	26
APR										
*06...	1500	42	211	6.7	11.0	--	10.3	--	--	--
MAY										
04...	1320	40	107	7.1	16.5	756	9.8	78	1.0	K12
JUN										
*17...	1505	40	131	7.4	21.0	--	8.2	--	--	--
AUG										
04...	1000	38	122	7.1	20.5	764	9.2	70	0.60	22
SEP										
*02...	1505	37	109	6.9	18.5	--	8.0	--	--	--

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	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 DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT										
*01...	--	10	3.2	15	1.7	--	10	20	--	--
NOV										
14...	87	7.6	2.6	12	1.5	17	11	16	<0.10	8.5
DEC										
*18...	--	7.0	2.8	13	1.3	--	8.0	20	--	--
FEB										
11...	K16	7.7	2.6	13	1.4	15	11	19	0.10	8.1
APR										
*06...	--	8.7	3.4	17	2.1	--	12	25	--	--
MAY										
04...	K13	7.3	2.6	12	1.3	18	9.9	19	<0.10	6.6
JUN										
*17...	--	6.4	2.9	13	1.2	--	7.1	19	--	--
AUG										
04...	K100	7.1	2.6	12	0.70	16	9.2	17	<0.10	6.0
SEP										
*02...	--	8.3	3.2	14	1.3	--	7.0	18	--	--

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 1991 TO SEPTEMBER 1992

DATE	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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)
OCT										
*01...	--	--	--	0.99	<0.010	<0.010	--	<20	<50	<10
NOV										
14...	0.020	2.10	0.040	<0.20	<0.010	<0.010	<0.010	--	26	--
DEC										
*18...	--	--	--	--	--	--	--	<20	<50	<10
FEB										
11...	0.020	2.30	0.040	<0.20	<0.010	<0.010	<0.010	--	14	--
APR										
*06...	--	--	--	0.95	<0.010	<0.010	--	<20	<50	<10
MAY										
04...	0.010	1.80	0.030	<0.20	<0.010	<0.010	0.010	--	20	--
JUN										
*17...	--	--	--	--	--	--	--	<20	<50	<10
AUG										
04...	0.010	1.60	0.050	0.20	<0.010	<0.010	<0.010	--	12	--
SEP										
*02...	--	--	--	0.37	<0.010	--	--	<20	<50	<10

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
OCT										
*01...	--	<20	<20	<20	<20	40	50	<20	--	10
NOV										
14...	<1	--	--	<3	--	130	29	--	<4	30
DEC										
*18...	--	<20	<20	<20	<20	80	<50	<20	--	20
FEB										
11...	<1	--	--	<3	--	110	38	--	<4	80
APR										
*06...	--	<20	<20	<20	<20	100	60	<20	--	40
MAY										
04...	--	--	--	<3	--	--	41	--	<4	--
JUN										
*17...	--	<20	<20	<20	<20	160	120	<20	--	70
AUG										
04...	--	--	--	<3	--	--	45	--	<4	--
SEP										
*02...	--	<20	<20	<20	<20	140	110	<20	--	40

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (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)
OCT									
*01...	20	--	--	--	<20	<20	<20	70	--
NOV									
14...	22	<0.10	<10	2	1	<1	<1.0	54	<6
DEC									
*18...	30	--	<20	--	<20	<20	<20	60	<20
FEB									
11...	72	0.10	<10	<1	1	<1	<1.0	55	<6
APR									
*06...	40	--	<20	--	<20	<20	<20	70	<20
MAY									
04...	88	--	<10	--	1	<1	<1.0	55	<6
JUN									
*17...	80	--	<20	--	<20	<20	<20	60	<20
AUG									
04...	25	--	<10	--	2	<1	<1.0	57	<6
SEP									
*02...	40	--	<20	--	<20	<20	<20	70	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
14...	0920	44	0	0.0	67
FEB					
11...	1010	40	3	0.32	51
MAY					
04...	1320	40	2	0.22	94
AUG					
04...	1000	38	1	0.10	81

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	29	28	35	31	30	34	29	31	29	31	27
2	39	29	28	34	31	30	33	30	31	28	28	25
3	38	28	34	33	31	29	33	28	29	28	25	27
4	36	28	39	35	33	29	32	28	28	28	27	41
5	35	27	37	38	31	30	31	27	31	28	28	30
6	39	27	38	37	31	29	30	27	65	29	27	21
7	38	27	38	37	30	29	30	27	60	28	26	22
8	36	27	37	36	30	31	30	27	58	27	25	26
9	35	27	37	35	30	31	30	29	57	28	27	29
10	34	27	40	35	25	30	30	30	55	28	27	30
11	34	29	40	34	31	34	31	29	53	27	27	30
12	34	30	38	33	27	34	32	29	50	26	30	29
13	33	29	38	32	27	33	31	29	47	27	28	28
14	32	28	39	34	27	32	31	29	45	26	29	27
15	31	28	38	34	27	31	30	27	42	25	29	26
16	32	27	37	32	34	30	30	27	40	27	33	26
17	33	27	37	25	34	30	31	27	40	27	42	25
18	34	26	36	32	34	28	32	27	45	29	43	25
19	30	26	31	32	34	29	32	26	49	29	42	24
20	30	26	35	31	34	30	32	26	47	26	42	23
21	31	25	33	30	33	30	32	25	43	24	41	23
22	31	26	32	29	32	29	32	24	40	23	40	24
23	31	30	31	31	31	31	32	23	39	24	38	25
24	31	30	31	37	30	30	31	23	41	26	35	23
25	30	30	30	36	30	30	32	22	42	28	33	23
26	30	30	31	35	32	30	32	21	41	27	32	25
27	29	29	31	35	32	34	31	20	39	27	31	27
28	29	28	30	35	32	36	31	23	38	23	31	26
29	28	28	31	34	31	35	30	23	36	22	32	25
30	28	28	35	33	---	34	30	22	34	21	29	24
31	27	---	35	32	---	34	---	24	---	23	27	---
TOTAL	1018	836	1075	1041	895	962	938	808	1296	818	985	786
MEAN	32.8	27.9	34.7	33.6	30.9	31.0	31.3	26.1	43.2	26.4	31.8	26.2
MAX	40	30	40	38	34	36	34	30	65	29	43	41
MIN	27	25	28	25	25	28	30	20	28	21	25	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1992, BY WATER YEAR (WY)

MEAN	26.8	31.1	34.5	39.0	42.5	48.0	51.1	46.5	40.5	30.9	29.2	25.9
MAX	69.6	80.6	63.8	106	105	109	96.4	96.3	104	84.7	83.4	62.6
(WY)	1990	1990	1984	1979	1979	1979	1984	1958	1984	1984	1989	1954
MIN	12.5	13.3	13.2	14.7	16.4	22.8	17.1	18.7	17.1	13.5	10.8	11.1
(WY)	1967	1967	1967	1966	1967	1966	1966	1966	1986	1966	1966	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1942 - 1992	
ANNUAL TOTAL	15628		11458			
ANNUAL MEAN	42.8		31.3		37.2	
HIGHEST ANNUAL MEAN					67.9	1984
LOWEST ANNUAL MEAN					16.1	1966
HIGHEST DAILY MEAN	88	Aug 21	65	Jun 6	173	Jan 27 1979
LOWEST DAILY MEAN	20	Jul 22	20	May 27	3.7	Aug 2 1944
ANNUAL SEVEN-DAY MINIMUM	22	Jul 17	22	May 24	5.8	Aug 9 1966
INSTANTANEOUS PEAK FLOW			68	Jun 6	225a	Jan 30 1978
INSTANTANEOUS PEAK STAGE			.68	Jun 6	2.09b	Mar 29 1984
INSTANTANEOUS LOW FLOW			2.4c	Dec 19	1.4d	Jan 9 1966
10 PERCENT EXCEEDS	65		38		62	
50 PERCENT EXCEEDS	40		30		32	
90 PERCENT EXCEEDS	26		25		17	

a Result of regulation.
b Backwater from high tide.
c Also occurred on Feb 10. Result of freezeup.
d Also occurred on Jan 31 1967, Dec 6 1969, Jan 27 1972 and Dec 10,11 1977. Result of freezeup.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
01...	0835	40	101	6.7	14.5	772	9.9	6.3	2.1	8.2	1.3
DEC											
*17...	0915	37	--	--	2.0	--	13.2	6.0	2.1	8.2	1.4
JAN											
06...	1015	37	95.4	6.9	5.0	757	12.2	6.1	2.0	7.8	1.3
MAR											
*30...	0925	34	123	--	8.0	--	11.4	7.3	2.5	9.6	1.5
APR											
20...	0905	32	103	7.0	9.5	768	11.7	7.0	2.3	8.4	1.3
JUN											
*11...	0920	52	94.0	6.6	21.5	--	7.2	6.6	2.1	7.3	1.2
JUL											
14...	0800	26	105	6.9	25.0	758	--	6.2	2.2	8.7	1.0
AUG											
*31...	0920	27	97.0	6.9	20.5	--	7.0	7.8	2.6	9.0	1.2

DATE	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)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
OCT											
01...	15	12	14	0.20	5.4	0.004	0.004	0.110	0.110	0.050	0.020
DEC											
*17...	--	11	14	--	--	--	--	<0.200	--	0.060	--
JAN											
06...	15	11	13	<0.10	7.3	0.018	0.014	0.360	0.380	0.030	0.030
MAR											
*30...	--	12	14	--	--	--	--	<0.200	--	<0.020	--
APR											
20...	17	11	14	0.10	6.2	0.009	0.006	0.120	0.130	0.050	0.040
JUN											
*11...	--	11	12	--	--	--	--	<0.020	--	0.050	--
JUL											
14...	15	10	13	<0.10	3.5	0.006	0.003	0.051	0.060	0.080	0.100
AUG											
*31...	--	8.0	13	--	--	--	--	<0.020	--	0.030	--

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (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, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)
OCT 01...	0.30	0.20	0.057	--	0.024	0.018	--	--	--	--	--
DEC *17...	--	--	--	--	0.018	--	<50	<20	<20	<50	<10
JAN 06...	0.20	<0.20	0.036	--	0.025	0.016	--	--	--	--	--
MAR *30...	<0.05	<0.05	<0.010	<0.010	0.007	--	<50	<20	<20	<50	<10
APR 20...	0.40	0.20	0.052	--	0.034	0.022	--	--	--	--	--
JUN *11...	--	--	--	--	--	--	<50	<20	<20	60	<10
JUL 14...	0.50	0.20	0.098	--	0.057	0.041	--	--	--	--	--
AUG *31...	0.67	--	0.066	--	0.031	--	50	<20	<20	<50	<10

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)
OCT 01...	--	--	--	--	540	300	--	60	51	--	--
DEC *17...	<20	<20	<20	<20	490	270	<20	50	40	<20	<20
JAN 06...	--	--	--	--	800	390	--	50	56	--	--
MAR *30...	<20	<20	<20	<20	570	360	<20	100	100	<20	<20
APR 20...	--	--	--	--	1100	600	--	170	160	--	--
JUN *11...	<20	<20	<20	<20	980	830	<20	180	180	<20	<20
JUL 14...	--	--	--	--	790	470	--	120	99	--	--
AUG *31...	<20	<20	<20	<20	890	720	<20	50	40	<20	<20

DATE	PALLADIUM TOTAL (UG/L	SELENIUM, DISSOLVED (UG/L	SILVER, DISSOLVED (UG/L	SILICON DISSOLVED (UG/L	STRONTIUM, DISSOLVED (UG/L	THALLIUM, DISSOLVED (UG/L	TIN DISSOLVED (UG/L AS SN)	TITANIUM DISSOLVED (UG/L	VANADIUM, DISSOLVED (UG/L	METHYLENE BLUE ACTIVE SUBSTANCE
OCT 01...	--	--	--	--	--	--	--	--	--	0.03
DEC *17...	<100	<20	<20	3200	30	<250	<100	<20	<20	--
JAN 06...	--	--	--	--	--	--	--	--	--	0.02
MAR *30...	<50	<20	<20	2800	<50	<250	<50	<20	<20	<0.02
APR 20...	--	--	--	--	--	--	--	--	--	0.03
JUN *11...	--	<20	<20	2800	30	<100	--	<20	<20	--
JUL 14...	--	--	--	--	--	--	--	--	--	0.03
AUG *31...	--	<20	<20	2600	40	--	--	<20	<20	<0.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 71 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	25	24	24	22	22	22	21	25	20	24	18
2	26	25	25	23	22	22	22	21	21	20	20	18
3	26	25	31	23	20	22	22	21	20	20	19	21
4	26	25	31	25	22	19	22	20	19	21	19	22
5	26	25	27	25	22	18	22	20	23	21	18	20
6	31	25	26	24	22	19	22	20	41	22	18	19
7	29	25	25	23	22	28	22	20	29	20	17	19
8	27	25	25	23	22	26	22	21	26	19	17	20
9	26	24	25	23	22	23	21	23	24	21	20	19
10	26	24	28	23	21	22	21	22	23	20	20	19
11	26	26	26	23	21	26	24	21	22	19	20	19
12	27	25	25	23	21	24	23	21	22	19	22	18
13	27	25	25	23	21	23	22	20	21	19	21	18
14	28	25	26	24	22	22	22	20	35	19	20	18
15	28	24	26	24	22	22	22	20	23	20	19	18
16	29	25	25	23	29	22	22	20	15	22	24	18
17	31	24	24	22	25	22	23	20	20	20	28	18
18	33	24	24	22	23	21	23	20	21	20	27	18
19	30	24	23	22	23	23	22	19	22	19	25	18
20	29	24	23	22	24	23	22	19	22	18	22	18
21	28	24	24	22	23	22	21	19	22	19	21	18
22	28	25	24	22	22	22	22	19	21	18	20	18
23	29	29	24	24	22	23	22	19	20	19	20	19
24	29	27	24	27	22	22	22	19	22	18	20	18
25	29	25	23	23	23	22	23	19	22	20	20	17
26	29	24	23	23	25	23	22	19	21	22	20	19
27	27	24	23	22	23	26	21	19	21	21	20	20
28	26	24	23	22	21	25	21	19	20	19	19	19
29	25	24	25	22	22	23	21	19	20	18	19	18
30	25	24	26	22	---	22	21	19	20	18	19	18
31	25	---	25	22	---	23	---	22	---	22	19	---
TOTAL	857	744	778	715	651	702	659	621	683	613	637	560
MEAN	27.6	24.8	25.1	23.1	22.4	22.6	22.0	20.0	22.8	19.8	20.5	18.7
MAX	33	29	31	27	29	28	24	23	41	22	28	22
MIN	25	24	23	22	20	18	21	19	15	18	17	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1992, BY WATER YEAR (WY)

MEAN	22.2	22.5	22.8	23.7	24.8	26.1	27.1	26.6	25.5	23.6	23.4	22.3
MAX	38.6	37.9	35.0	42.6	44.0	45.4	42.5	41.8	49.2	46.6	40.9	38.7
(WY)	1980	1990	1980	1979	1979	1979	1984	1984	1984	1984	1984	1984
MIN	10.9	10.6	9.48	9.35	9.74	13.7	13.1	14.1	13.8	10.5	10.5	10.6
(WY)	1967	1967	1967	1967	1967	1967	1966	1966	1966	1966	1966	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1942 - 1992	
ANNUAL TOTAL	10662		8220			
ANNUAL MEAN	29.2		22.5		24.2	
HIGHEST ANNUAL MEAN					37.7	1979
LOWEST ANNUAL MEAN					12.9	1967
HIGHEST DAILY MEAN	63	Aug 19	41	Jun 6	84	Jan 26 1978
LOWEST DAILY MEAN	23	Aug 7	15	Jun 16	6.2ab	Feb 28 1967
ANNUAL SEVEN-DAY MINIMUM	23	Dec 22	18	Sep 12	7.4	Feb 25 1967
INSTANTANEOUS PEAK FLOW			78d	Jun 14	143c	Aug 11 1989
INSTANTANEOUS PEAK STAGE			1.75	Jun 14	2.09	Aug 11 1989
INSTANTANEOUS LOW FLOW			7.5d	Jun 15	2.8b	Feb 24 1967
10 PERCENT EXCEEDS	34		26		34	
50 PERCENT EXCEEDS	29		22		23	
90 PERCENT EXCEEDS	24		19		16	

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

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 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
NOV										
13...	0945	25	124	6.7	8.0	777	9.9	80	1.5	K7
DEC										
*17...	1045	24	--	--	3.5	--	11.6	--	--	--
FEB										
19...	0940	23	121	7.1	7.5	760	9.9	85	1.1	K3
MAR										
*30...	1115	22	144	--	9.0	--	8.9	--	--	--
MAY										
04...	1010	20	129	7.1	16.5	754	10.3	86	0.90	K5
JUN										
*11...	1105	22	127	6.9	19.5	--	8.2	--	--	--
AUG										
03...	0930	19	129	7.2	20.0	762	10.4	76	0.90	55
*31...	1110	19	117	7.0	18.0	--	10.5	--	--	--

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	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 DIS TOT IT FIELD 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)
NOV										
13...	K6	8.2	3.1	11	1.0	16	13	16	<0.10	11
DEC										
*17...	--	7.8	2.9	9.5	1.0	--	12	16	--	--
FEB										
19...	K4	7.7	2.7	9.3	0.90	16	13	16	<0.10	9.6
MAR										
*30...	--	8.5	3.3	11	1.4	--	12	15	--	--
MAY										
04...	K5	8.1	3.2	10	1.0	19	13	17	<0.10	7.7
JUN										
*11...	--	7.0	3.1	9.4	1.0	--	13	15	--	--
AUG										
03...	55	7.7	3.0	11	0.90	17	12	16	<0.10	9.0
*31...	--	9.2	3.6	11	1.2	--	10	15	--	--

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

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

DATE	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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)
NOV										
13...	0.010	1.50	0.060	<0.20	<0.010	<0.010	<0.010	--	29	--
DEC										
*17...	--	--	--	--	--	--	--	<20	<50	<10
FEB										
19...	<0.010	1.50	0.020	<0.20	0.020	<0.010	<0.010	--	25	--
MAR										
*30...	--	--	--	<0.05	<0.010	<0.010	--	<20	<50	<10
MAY										
04...	<0.010	1.10	0.020	<0.20	<0.010	<0.010	<0.010	--	17	--
JUN										
*11...	--	--	--	--	--	--	--	<20	50	<10
AUG										
03...	<0.010	1.00	0.030	0.20	<0.010	<0.010	<0.010	--	16	--
*31...	--	--	--	0.55	<0.010	--	--	<20	<50	<10

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
NOV										
13...	<1	--	--	<3	--	190	110	--	<4	50
DEC										
*17...	--	<20	<20	<20	<20	260	100	<20	--	40
FEB										
19...	<1	--	--	<3	--	210	82	--	<4	60
MAR										
*30...	--	<20	<20	<20	<20	200	100	<20	--	40
MAY										
04...	--	--	--	<3	--	--	94	--	<4	--
JUN										
*11...	--	<20	<20	<20	<20	360	230	<20	--	80
AUG										
03...	--	--	--	<3	--	--	160	--	<4	--
*31...	--	<20	<20	<20	<20	260	160	<20	--	<20

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (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)
NOV 13...	45	<0.10	<10	1	<1	<1	<1.0	38	<6
DEC *17...	40	--	<20	--	<20	<20	<20	30	<20
FEB 19...	45	<0.10	<10	<1	<1	<1	<1.0	35	<6
MAR *30...	40	--	<20	--	<20	<20	<20	<50	<20
MAY 04...	47	--	<10	--	<1	<1	<1.0	40	<6
JUN *11...	70	--	<20	--	<20	<20	<20	40	<20
AUG 03...	49	--	<10	--	1	<1	<1.0	38	<6
*31...	30	--	<20	--	<20	<20	<20	40	<20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 13...	0945	25	1	0.07	87
FEB 19...	0940	23	3	0.19	74
MAY 04...	1010	20	2	0.11	91
AUG 03...	0930	19	1	0.05	65

25
24
23
22
20
22
19
19

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 Dec. to June; which are fair. Flow regulated at outlet of Swan Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	11	9.4	9.4	8.9	11	13	11	9.7	16	10
2	11	11	12	9.4	8.9	9.2	11	13	8.5	9.6	12	10
3	11	11	22	9.3	8.7	9.1	11	13	9.2	9.3	12	17
4	10	11	15	12	9.0	9.2	11	12	8.9	9.9	12	13
5	11	11	12	10	8.9	9.4	11	11	19	9.7	12	11
6	15	11	12	9.9	8.5	9.4	11	11	30	9.9	11	11
7	11	11	11	9.6	8.8	12	11	11	9.9	9.2	11	10
8	11	11	10	9.0	9.4	11	11	14	9.1	9.3	11	11
9	11	11	10	9.3	9.1	10	11	14	8.8	11	12	10
10	11	11	14	9.2	8.5	10	11	12	9.6	10	12	10
11	11	12	10	9.0	8.6	18	13	11	9.7	9.7	12	11
12	11	10	10	9.0	8.1	11	11	10	9.6	9.6	12	10
13	10	9.8	11	9.0	8.0	11	11	11	10	9.7	12	9.8
14	10	9.8	12	11	8.9	10	11	12	12	10	12	9.8
15	11	9.9	11	9.5	11	10	11	12	13	14	12	9.8
16	11	10	10	9.4	14	9.9	11	11	12	15	16	9.8
17	14	9.6	10	9.1	8.9	9.8	12	10	11	11	15	9.8
18	13	9.4	10	8.8	8.6	9.8	11	11	11	11	13	10
19	11	9.7	9.8	8.4	8.8	11	11	10	11	8.8	11	9.7
20	11	10	9.9	8.4	8.6	11	11	11	11	8.8	10	11
21	11	10	9.7	8.3	8.5	10	12	11	10	9.7	10	11
22	11	12	9.4	8.1	8.2	10	12	11	10	9.6	10	10
23	11	14	9.6	14	8.3	11	11	11	9.7	11	9.8	11
24	11	12	9.5	12	8.5	10	12	12	11	10	10	9.8
25	11	11	9.4	9.2	8.9	11	12	9.3	10	9.7	9.9	9.8
26	11	11	9.4	9.2	11	12	11	9.2	9.6	10	9.9	12
27	11	11	9.5	9.0	9.3	13	12	11	10	12	10	11
28	11	11	9.5	9.3	9.2	11	12	11	10	10	11	10
29	11	11	12	9.4	9.2	11	12	10	9.7	10	11	10
30	11	11	11	9.1	---	11	13	9.6	9.4	10	11	9.8
31	12	---	9.6	9.4	---	11	---	17	---	18	11	---
TOTAL	348	325.2	341.3	295.7	263.8	330.7	342	355.1	333.7	325.2	359.6	318.1
MEAN	11.2	10.8	11.0	9.54	9.10	10.7	11.4	11.5	11.1	10.5	11.6	10.6
MAX	15	14	22	14	14	18	13	17	30	18	16	17
MIN	10	9.4	9.4	8.1	8.0	8.9	11	9.2	8.5	8.8	9.8	9.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1992, BY WATER YEAR (WY)

MEAN	11.4	11.6	11.7	12.3	12.7	13.5	14.2	14.0	13.3	12.4	12.0	11.3
MAX	17.3	17.7	16.4	18.6	18.3	19.6	21.7	21.5	21.6	20.7	20.1	19.7
(WY)	1980	1956	1984	1979	1973	1984	1984	1984	1984	1979	1984	1984
MIN	7.26	7.67	7.64	7.64	8.03	9.49	8.85	9.30	8.01	7.78	7.31	7.64
(WY)	1989	1966	1967	1967	1967	1966	1966	1966	1981	1988	1981	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1947 - 1992	
ANNUAL TOTAL	4588.2		3938.4			
ANNUAL MEAN	12.6		10.8		12.5	
HIGHEST ANNUAL MEAN					18.5	1984
LOWEST ANNUAL MEAN					8.68	1966
HIGHEST DAILY MEAN	33	Aug 19	30	Jun 6	40	Jan 26 1978
LOWEST DAILY MEAN	7.9	Jul 22	8.0	Feb 13	4.3a	Oct 13 1966
ANNUAL SEVEN-DAY MINIMUM	8.3	Jul 16	8.5	Feb 18	5.8	Oct 25 1988
INSTANTANEOUS PEAK FLOW			55	Jun 5	77b	Aug 24 1990
INSTANTANEOUS PEAK STAGE			1.83	Jun 5	2.71	Aug 24 1990
INSTANTANEOUS LOW FLOW			3.0c	Jul 19	.06c	Sep 2 1964
10 PERCENT EXCEEDS	16		12		16	
50 PERCENT EXCEEDS	12		11		12	
90 PERCENT EXCEEDS	9.5		9.1		9.0	

a Also occurred on Oct 14 1967.
b From rating curve extended above 55 ft^3/s.
c Result of regulation.

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
DEC												
17...	1255	10	--	--	3.0	12.7	7.0	2.2	11	1.4	10	16
MAR												
03...	1325	9.0	147	--	8.0	13.6	8.0	2.6	12	1.7	9.4	15
JUN												
11...	1315	9.4	128	7.4	18.0	9.9	7.0	2.6	12	1.5	9.7	17
AUG												
31...	1425	10	117	7.1	18.0	10.9	8.8	2.7	12	1.6	11	16

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
DEC											
17...	2.55	0.060	--	--	--	--	0.007	<50	<20	<20	<50
MAR											
03...	2.35	0.070	<0.05	<0.05	0.070	<0.010	0.006	<50	<20	<20	<50
JUN											
11...	2.01	0.050	--	--	--	--	--	<50	<20	<20	50
AUG											
31...	2.10	0.020	0.16	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)
DEC											
17...	<10	<20	<20	<20	<20	80	<50	<20	40	30	<20
MAR											
03...	<10	<20	<20	<20	<20	80	50	<20	90	100	<20
JUN											
11...	<10	<20	<20	<20	<20	140	110	<20	170	170	<20
AUG											
31...	<10	<20	<20	<20	<20	120	80	<20	50	40	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	PAL-LADIUM TOTAL (UG/L AS PD)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	THAL-LIUM, DIS-SOLVED (UG/L AS TL)	TIN DIS-SOLVED (UG/L AS SN)	TITA-NIUM DIS-SOLVED (UG/L AS TI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC											
17...	<20	<100	<20	<20	5000	30	<250	<100	<20	<20	--
MAR											
03...	<20	<50	<20	<20	4800	<50	<50	<50	<20	<20	<0.02
JUN											
11...	<20	<100	<20	<20	4700	40	<100	--	<20	<20	--
AUG											
31...	<20	--	<20	<20	4500	40	--	--	<20	<20	<0.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

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

DRAINAGE AREA.--About 13.5 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 17...	1200	--	--	3.0	11.9	10	3.3	17	3.1	11	28
MAR 30...	1220	247	--	8.0	12.2	11	3.9	25	3.6	10	36
JUN 11...	1215	170	7.1	21.0	7.3	9.3	3.4	15	3.1	11	25
AUG 31...	1220	160	7.3	21.5	9.2	13	4.0	19	3.6	11	27

DATE	NITROGEN, NO2+NO3 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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
DEC 17...	3.05	0.370	--	--	--	--	<0.005	<50	<20	<20	<50
MAR 30...	2.92	0.310	0.28	0.22	<0.010	<0.010	0.006	<50	<20	<20	<50
JUN 11...	2.20	0.710	--	--	--	--	--	<50	<20	<20	70
AUG 31...	2.60	0.020	0.23	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)
DEC 17...	<10	<20	<20	<20	<20	320	200	<20	150	140	<20
MAR 30...	<10	<20	<20	<20	<20	260	200	<20	160	190	<20
JUN 11...	<10	<20	<20	<20	<20	730	650	<20	480	480	<20
AUG 31...	<10	<20	<20	<20	<20	290	190	<20	120	100	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI)	PALLADIUM TOTAL (UG/L AS PD)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	SILICON DISSOLVED (UG/L AS SI)	STRONTIUM, DISSOLVED (UG/L AS SR)	THALLIUM, DISSOLVED (UG/L AS TL)	TIN DISSOLVED (UG/L AS SN)	TITANIUM DISSOLVED (UG/L AS TI)	VANADIUM, DISSOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 17...	<20	<100	<20	<20	4600	60	<250	<100	<20	<20	--
MAR 30...	<20	<50	<20	<20	4100	<50	<50	<50	<20	<20	<0.02
JUN 11...	<20	<100	<20	<20	4500	60	<100	--	<20	<20	--
AUG 31...	<20	--	<20	<20	4600	70	--	--	<20	<20	<0.02

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

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

DRAINAGE AREA.--About 12 mi^2.

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.6	6.0	6.6	5.5	5.0	5.4	4.3	6.3	5.0	6.7	5.0
2	6.9	6.6	6.2	6.5	5.4	5.0	5.6	4.5	4.9	4.8	5.3	4.9
3	7.3	6.4	9.9	6.5	5.4	5.0	5.5	4.5	4.4	4.7	4.9	6.0
4	7.2	6.3	9.7	7.0	5.5	4.8	5.2	4.3	4.0	5.3	4.9	6.4
5	7.1	6.3	8.4	7.0	5.4	4.8	5.2	4.2	7.1	5.1	4.6	5.6
6	8.3	6.3	8.0	6.7	5.4	4.8	4.9	4.1	18	5.2	4.3	5.3
7	7.7	6.3	7.8	6.3	5.4	5.3	4.8	4.0	11	4.9	4.1	5.3
8	7.1	6.2	7.6	6.0	5.4	5.5	4.8	4.6	9.7	4.6	4.0	5.3
9	6.9	6.1	7.6	6.0	5.4	5.0	4.8	5.7	9.1	5.4	4.5	5.1
10	6.8	6.1	8.9	6.0	5.2	4.9	4.8	5.0	8.3	4.7	4.3	4.9
11	6.9	6.4	8.0	5.9	5.2	9.3	5.5	4.7	7.8	4.4	5.1	6.1
12	7.1	6.2	7.4	5.7	5.1	7.1	5.1	4.4	7.4	4.3	5.5	5.4
13	6.7	6.1	7.5	5.7	5.0	6.4	4.8	4.3	7.1	4.7	4.7	5.1
14	6.6	6.1	7.9	6.3	5.3	6.2	4.8	4.3	6.8	4.3	5.0	4.9
15	7.0	6.0	7.6	6.0	5,7	6.1	4.6	4.1	6.6	5.1	4.9	4.8
16	7.6	6.0	7.3	5.8	8.0	5.8	4.7	4.4	6.2	5.7	8.5	4.7
17	8.2	5.9	7.0	5.6	6.4	5.6	4.9	4.2	6.0	5.1	11	4.7
18	9.1	5.9	7.0	5.6	5.9	5.5	4.9	4.1	5.8	4.8	11	4.7
19	7.8	5.9	6.8	6.4	5.9	5.7	4.8	3.9	6.0	4.6	8.9	4.7
20	7.3	5.9	6.6	5.5	5.6	5.6	4.8	3.8	6.1	4.3	7.9	4.6
21	7.0	5.9	6.7	5.4	5.4	5.5	4.8	3.7	5.9	4.1	7.3	4.5
22	7.0	6.4	6.7	5.4	5.4	5.5	4.9	3.7	5.7	4.0	6.8	4.6
23	7.0	7.3	6.8	6.8	5.2	5.7	4.8	3.5	5.5	4.8	6.5	4.7
24	7.0	7.0	6.6	7.6	5.2	5.4	4.7	3.3	6.2	4.8	6.2	4.4
25	7.0	6.5	6.4	6.3	5.2	5.3	5.1	3.2	5.9	4.3	6.0	4.4
26	7.0	6.1	6.3	6.0	6.0	5.9	4.9	3.2	5.5	4.3	6.1	6.6
27	7.0	5.9	6.3	5.7	5.4	7.1	4.7	3.2	5.8	4.8	5.8	5.9
28	6.7	5.9	6.2	5.6	5.2	6.2	4.6	3.2	6.0	4.4	5.8	5.4
29	6.3	5.9	8.1	5.6	5.1	5.8	4.6	3.1	5.4	4.1	5.6	5.1
30	5.6	5.9	8.3	5.6	---	5.5	4.4	3.0	5.1	4.0	5.3	4.9
31	5.9	---	7.0	5.6	---	5.4	---	5.1	---	6.2	5.1	---
TOTAL	220.1	186.4	228.6	187.7	160.2	176.7	147.3	125.6	205.6	146.8	186.6	154.0
MEAN	7.10	6.21	7.37	6.05	5.52	5.70	4.91	4.05	6.85	4.74	6.02	5.13
MAX	9.1	7.3	9.9	7.6	8.0	9.3	5.5	5.7	18	6.2	11	6.6
MIN	5.6	5.9	6.0	5.4	5.0	4.8	4.4	3.0	4.0	4.0	4.0	4.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	5.99	6.22	6.44	6.09	6.35	7.01	8.36	8.02	8.37	6.65	6.27	5.68
MAX	14.3	14.0	13.4	14.7	13.1	15.0	14.9	14.7	17.8	18.8	15.6	16.0
(WY)	1991	1991	1991	1991	1991	1991	1984	1984	1984	1984	1984	1984
MIN	.93	1.69	2.29	2.16	2.53	3.41	3.79	3.14	1.99	.94	.62	.76
(WY)	1989	1982	1983	1989	1989	1989	1988	1981	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979 - 1992	
ANNUAL TOTAL	3621.1		2125.6			
ANNUAL MEAN	9.92		5.81		6.67	
HIGHEST ANNUAL MEAN					12.3	1984
LOWEST ANNUAL MEAN					2.56	1988
HIGHEST DAILY MEAN	25	Aug 19	18	Jun 6	27	Jun 2 1984
LOWEST DAILY MEAN	4.9	Aug 8	3.0	May 30	.41	Aug 22 1988
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 2	3.2	May 24	.43	Aug 17 1988
INSTANTANEOUS PEAK FLOW			27	Jun 6	40	Aug 4 1979
INSTANTANEOUS PEAK STAGE			1.21	Jun 6	1.56	Aug 4 1979
INSTANTANEOUS LOW FLOW			3.0a	May 29	.36b	Jul 15 1980
10 PERCENT EXCEEDS	15		7.3		13	
50 PERCENT EXCEEDS	8.6		5.6		5.5	
90 PERCENT EXCEEDS	5.9		4.4		2.1	

a Also occurred on May 30, 31.
b Result of regulation.

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.--No estimated daily discharges. Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	23	24	28	24	22	26	22	29	21	28	22
2	25	23	24	27	24	22	25	23	25	21	23	22
3	25	23	32	27	24	22	25	23	23	20	22	25
4	25	23	34	29	24	22	24	22	22	23	22	24
5	25	23	31	28	24	22	24	22	31	21	21	22
6	29	23	30	27	24	21	24	22	81	22	20	21
7	27	23	29	27	23	23	23	22	51	20	20	22
8	26	23	29	27	23	24	23	22	45	19	20	22
9	25	23	30	27	23	23	23	26	41	20	23	21
10	24	23	34	27	22	23	24	24	38	19	21	21
11	25	24	31	25	23	36	26	23	36	19	23	24
12	25	23	30	24	22	29	25	23	35	18	24	20
13	24	22	31	24	23	27	24	23	33	19	21	20
14	24	22	32	27	23	27	24	22	30	19	23	19
15	25	22	31	26	24	26	24	21	28	22	23	19
16	27	22	30	25	31	26	25	22	26	26	34	19
17	28	21	29	25	27	25	25	21	27	24	42	19
18	31	21	29	25	26	24	24	22	27	22	42	19
19	27	21	28	24	26	26	23	21	27	21	34	19
20	26	21	28	25	25	25	23	21	27	20	31	19
21	26	22	29	26	24	25	23	21	26	19	28	19
22	26	23	28	25	24	25	24	20	26	19	26	20
23	26	26	28	28	24	24	23	19	24	23	25	20
24	25	25	28	31	23	24	23	19	27	22	25	19
25	25	24	28	27	23	24	25	19	25	20	24	19
26	25	23	27	26	25	26	24	19	24	20	24	27
27	24	23	27	26	23	31	24	19	24	22	24	24
28	24	23	27	26	23	27	23	19	22	20	24	23
29	24	23	31	25	22	26	22	19	22	19	24	21
30	22	23	33	24	---	26	22	19	22	19	23	21
31	22	---	29	24	---	26	---	24	---	26	23	---
TOTAL	787	684	911	812	696	779	717	664	924	645	787	632
MEAN	25.4	22.8	29.4	26.2	24.0	25.1	23.9	21.4	30.8	20.8	25.4	21.1
MAX	31	26	34	31	31	36	26	26	81	26	42	27
MIN	22	21	24	24	22	21	22	19	22	18	20	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1992, BY WATER YEAR (WY)

MEAN	24.4	25.9	28.4	28.6	29.1	31.3	33.8	31.8	31.5	26.7	26.3	23.7
MAX	43.0	38.8	37.0	45.4	49.4	52.0	48.6	44.1	46.2	47.8	43.5	37.2
(WY)	1991	1990	1990	1979	1979	1979	1983	1979	1984	1984	1979	1984
MIN	13.0	17.1	18.4	18.1	20.2	21.3	20.2	18.0	15.8	13.5	11.5	12.3
(WY)	1989	1988	1988	1981	1989	1988	1988	1986	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1978 - 1992	
ANNUAL TOTAL	11324		9038			
ANNUAL MEAN	31.0		24.7		28.1	
HIGHEST ANNUAL MEAN					39.8	1979
LOWEST ANNUAL MEAN					17.1	1988
HIGHEST DAILY MEAN	80	Aug 19	81	Jun 6	85	Jan 21 1979
LOWEST DAILY MEAN	20	Jul 20	18	Jul 12	11	Aug 7 1988
ANNUAL SEVEN-DAY MINIMUM	20	Jul 20	19	May 23	11	Aug 7 1988
INSTANTANEOUS PEAK FLOW			114	Jun 6	154	Aug 19 1991
INSTANTANEOUS PEAK STAGE			2.61	Jun 6	2.82	Aug 19 1991
INSTANTANEOUS LOW FLOW			18a	May 30	11b	Aug 8 1988
10 PERCENT EXCEEDS	39		29		41	
50 PERCENT EXCEEDS	30		24		27	
90 PERCENT EXCEEDS	22		20		17	

a Also occurred on Jul 12, 15.
b Also occurred on Aug 9-14, Sept 29 to Oct 2 1988, minimum recorded.

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 and supplementary gage.

DRAINAGE AREA.--About 24 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft above 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	e34	37	41	39	36	40	36	46	36	49	32
2	36	e34	37	41	38	36	40	36	38	34	39	32
3	34	e34	56	40	38	e36	39	35	36	34	34	38
4	35	e34	57	47	39	e35	37	35	34	39	37	38
5	35	e34	46	46	38	e35	37	35	44	37	35	39
6	41	e33	45	43	38	e34	37	35	116	39	33	34
7	38	e33	44	41	40	38	37	33	65	36	31	35
8	34	e34	42	39	43	41	37	35	56	33	32	35
9	34	e34	43	40	39	38	36	40	51	37	37	34
10	34	e34	49	41	34	39	35	37	48	34	36	34
11	34	e36	46	40	35	59	38	35	46	32	35	37
12	37	e35	42	38	34	47	38	35	45	31	38	34
13	35	e35	44	39	34	42	35	35	43	33	35	32
14	33	e35	45	45	36	40	34	35	43	32	37	31
15	35	e35	44	41	38	39	34	33	41	38	38	31
16	39	e35	41	38	50	38	35	33	39	47	48	31
17	40	e34	40	37	42	39	37	33	38	39	63	31
18	44	e34	41	36	41	38	38	33	38	38	63	31
19	39	e35	39	36	41	39	37	31	39	35	52	31
20	35	e34	38	36	40	42	37	31	40	34	46	31
21	35	e34	40	38	38	41	37	30	39	32	41	32
22	35	36	39	37	37	41	37	29	37	31	39	32
23	35	48	40	43	37	42	37	30	36	34	38	31
24	34	42	40	50	36	38	36	31	40	37	36	31
25	34	39	39	40	38	37	39	31	39	33	36	32
26	34	35	38	39	43	39	40	32	36	34	36	40
27	34	33	37	38	40	53	39	31	37	38	37	37
28	34	34	35	38	37	44	37	30	39	34	38	34
29	e34	33	43	38	37	40	37	29	36	33	38	32
30	e32	34	51	37	---	39	37	28	36	34	35	31
31	e32	---	46	39	---	39	---	37	---	45	34	---
TOTAL	1101	1049	1324	1242	1120	1244	1114	1029	1321	1103	1226	1003
MEAN	35.5	35.0	42.7	40.1	38.6	40.1	37.1	33.2	44.0	35.6	39.5	33.4
MAX	44	43	57	50	50	59	40	40	116	47	63	40
MIN	32	33	35	36	34	34	34	28	34	31	31	31

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

MEAN	34.1	36.4	38.2	39.3	40.5	43.5	44.3	42.2	40.4	36.3	35.1	33.1
MAX	65.2	67.3	55.2	65.1	62.3	70.3	69.7	62.2	64.1	64.3	52.1	48.6
(WY)	1956	1956	1991	1979	1979	1979	1980	1958	1984	1984	1984	1984
MIN	22.0	17.3	21.8	24.0	23.8	29.4	25.8	28.2	25.6	20.0	19.5	21.2
(WY)	1967	1983	1967	1967	1967	1966	1966	1966	1988	1966	1966	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	16086		13876			
ANNUAL MEAN	44.1		37.9		38.6	
HIGHEST ANNUAL MEAN					52.5	1984
LOWEST ANNUAL MEAN					24.9	1966
HIGHEST DAILY MEAN	101	Aug 19	116	Jun 6	263	Oct 16 1955
LOWEST DAILY MEAN	27	Aug 8	28	May 30	9.3a	Nov 25 1982
ANNUAL SEVEN-DAY MINIMUM	30	Aug 2	30	May 24	13	Nov 22 1982
10 PERCENT EXCEEDS	56		44		52	
50 PERCENT EXCEEDS	41		37		37	
90 PERCENT EXCEEDS	33		32		27	

a Result of regulation.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
*01...	0900	17	92.0	5.6	12.5	--	9.9	7.2	3.4	12	1.8
01...	1010	17	128	6.8	11.5	770	10.2	7.6	3.4	11	1.4
DEC											
*18...	0900	22	--	--	3.0	--	11.4	12	18	140	6.6
JAN											
06...	1225	25	119	6.9	5.5	756	11.2	7.4	3.2	9.9	1.4
APR											
*06...	1300	21	170	6.7	10.0	--	12.0	8.2	3.7	12	1.6
20...	1030	21	123	7.1	8.5	768	11.8	7.7	3.4	10	1.3
JUN											
*17...	0905	17	155	6.6	18.5	--	9.8	7.5	4.1	16	1.6
JUL											
08...	1030	18	126	7.4	20.5	767	9.9	7.9	3.4	10	1.3
SEP											
*01...	0900	15	116	6.5	17.5	--	8.9	8.6	3.9	13	1.5

DATE	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)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
OCT											
*01...	--	7.0	16	--	--	--	--	2.30	--	<0.020	--
01...	20	9.7	15	0.20	11	0.011	0.011	2.10	2.20	0.050	0.040
DEC											
*18...	--	50	300	--	--	--	--	2.36	--	0.080	--
JAN											
06...	19	8.4	15	<0.10	12	0.049	0.026	2.20	2.10	0.080	0.070
APR											
*06...	--	11	18	--	--	--	--	2.38	--	0.030	--
20...	20	9.5	15	<0.10	9.9	0.011	0.009	2.10	2.20	0.030	0.030
JUN											
*17...	--	5.8	26	--	--	--	--	2.13	--	<0.020	--
JUL											
08...	22	8.8	15	<0.10	11	0.023	0.030	1.90	2.00	0.030	0.030
SEP											
*01...	--	9.0	18	--	--	--	--	2.00	--	0.060	--

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	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)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT											
*01...	--	--	<0.010	<0.010	<0.005	--	<50	<20	<20	<50	<10
01...	0.50	<0.20	0.021	--	0.006	0.006	--	--	--	--	--
DEC											
*18...	--	--	--	--	<0.005	--	<50	<20	<20	<50	<10
JAN											
06...	0.30	<0.20	0.019	--	0.015	0.010	--	--	--	--	--
APR											
*06...	<0.05	<0.05	<0.010	<0.010	<0.005	--	<50	<20	<20	<50	<10
20...	0.20	<0.20	0.010	--	0.007	0.004	--	--	--	--	--
JUN											
*17...	--	--	--	--	0.006	--	<50	<20	<20	<50	<10
JUL											
08...	<0.20	<0.20	0.023	--	0.006	0.004	--	--	--	--	--
SEP											
*01...	0.44	--	<0.010	--	<0.010	--	<50	<20	<20	<50	<10

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
*01...	<20	<20	<20	<20	80	90	<20	20	30	--	<20
01...	--	--	--	--	180	70	--	30	23	--	--
DEC											
*18...	<20	<20	<20	<20	170	100	<20	100	100	<20	<20
JAN											
06...	--	--	--	--	210	82	--	90	79	--	--
APR											
*06...	<20	<20	<20	<20	140	90	<20	50	70	<20	<20
20...	--	--	--	--	170	71	--	100	83	--	--
JUN											
*17...	<20	<20	<20	<20	240	170	<20	70	70	<20	<20
JUL											
08...	--	--	--	--	220	130	--	130	130	--	--
SEP											
*01...	<20	<20	<20	<20	160	110	<20	40	40	<20	<20

DATE	PAL-LADIUM TOTAL (UG/L	SELE-NIUM, DIS-SOLVED (UG/L	SILVER, DIS-SOLVED (UG/L	SILICON DIS-SOLVED (UG/L	STRON-TIUM, DIS-SOLVED (UG/L	THAL-LIUM, DIS-SOLVED (UG/L	TIN, DIS-SOLVED (UG/L AS SN)	TITA-NIUM DIS-SOLVED (UG/L	VANA-DIUM, DIS-SOLVED (UG/L	METHY-LENE BLUE ACTIVE SUB-STANCE
OCT										
*01...	--	<20	<20	4800	50	<100	--	<100	--	<0.02
01...	--	--	--	--	--	--	--	--	--	0.04
DEC										
*18...	<100	<20	<20	5000	130	<250	<100	<20	<20	--
JAN										
06...	--	--	--	--	--	--	--	--	--	0.03
APR										
*06...	--	<20	<20	4700	50	<50	<50	<20	<20	<0.02
20...	--	--	--	--	--	--	--	--	--	0.15
JUN										
*17...	<100	<20	<20	5000	60	<100	--	<20	<20	--
JUL										
08...	--	--	--	--	--	--	--	--	--	0.03
SEP										
*01...	--	<20	<20	4900	50	--	--	<20	<20	<0.02

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01306495 (Supplementary gage): March 1988 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
01...	1010	19	90.0	5.7	11.5	9.2	7.7	3.4	11	1.4	9.0	16
DEC												
18...	1000	19	--	--	4.0	10.6	7.0	3.3	10	1.3	9.0	16
JUN												
17...	1025	22	129	7.0	17.5	9.8	7.5	3.7	10	1.4	6.2	16
SEP												
01...	1030	17	109	6.7	15.5	9.1	8.7	3.8	11	1.4	9.0	15

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT											
01...	2.50	<0.020	0.70	0.25	<0.010	<0.010	<0.005	<50	<20	<20	<50
DEC											
18...	2.44	0.060	--	--	--	--	<0.005	<50	<20	<20	<50
JUN											
17...	2.39	<0.020	--	--	--	--	0.006	<50	<20	<20	<50
SEP											
01...	2.20	0.040	<0.05	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)
OCT											
01...	<10	<20	<20	<20	<20	70	70	<20	30	40	--
DEC											
18...	<10	<20	<20	<20	<20	150	70	<20	100	90	<20
JUN											
17...	<10	<20	<20	<20	<20	170	150	<20	140	130	<20
SEP											
01...	<10	<20	<20	<20	<20	130	100	<20	50	40	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	PAL-LADIUM TOTAL (UG/L AS PD)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	THAL-LIUM, DIS-SOLVED (UG/L AS TL)	TIN DIS-SOLVED (UG/L AS SN)	TITA-NIUM DIS-SOLVED (UG/L AS TI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT											
01...	<20	--	<20	<20	5000	50	<100	--	<20	--	<0.02
DEC											
18...	<20	<100	<20	<20	5400	40	<250	<100	<20	<20	--
JUN											
17...	<20	<100	<20	<20	5600	50	<100	--	<20	<20	--
SEP											
01...	<20	--	<20	<20	5100	50	--	--	<20	<20	<0.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

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

DRAINAGE AREA.--About 6.5 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
MAR 30...	1430	348	--	11.5	14.8	15	4.6	37	2.6	21	58
JUN 11...	1440	233	6.7	19.0	7.2	14	4.4	33	2.3	20	56
AUG 31...	1425	212	6.7	18.0	8.2	17	4.8	35	2.6	21	56

DATE	NITROGEN, NO2+NO3 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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
MAR 30...	3.00	0.280	0.39	0.29	<0.010	<0.010	<0.005	<50	<20	<20	<50
JUN 11...	2.83	0.340	--	--	--	--	--	<50	<20	<20	60
AUG 31...	2.60	0.240	0.48	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)
MAR 30...	<10	<20	<20	<20	<20	190	170	<20	310	400	<20
JUN 11...	<10	<20	<20	<20	<20	380	290	<20	410	430	<20
AUG 31...	<10	<20	<20	<20	<20	200	130	<20	50	310	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI)	PALLADIUM TOTAL (UG/L AS PD)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	SILICON DISSOLVED (UG/L AS SI)	STRONTIUM, DISSOLVED (UG/L AS SR)	THALLIUM, DISSOLVED (UG/L AS TL)	TIN DISSOLVED (UG/L AS SN)	TITANIUM DISSOLVED (UG/L AS TI)	VANADIUM, DISSOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
MAR 30...	<20	<50	<20	<20	--	110	<50	<50	<20	<20	<0.02
JUN 11...	<20	<100	<20	<20	5400	110	<100	--	<20	<20	--
AUG 31...	<20	--	<20	<20	5500	110	--	--	<20	<20	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 1991 TO SEPTEMBER 1992

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
DEC 17...	1500	--	--	8.0	8.6	15	3.4	26	2.4	23	44
MAR 30...	1530	338	--	11.0	11.7	16	3.9	33	2.9	22	49
JUN 11...	1600	226	6.9	18.0	7.7	14	3.8	31	2.9	22	49
AUG 31...	1605	207	6.8	18.0	9.3	18	4.1	32	2.9	22	48

DATE	NITROGEN, NO2+NO3 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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
DEC 17...	3.55	0.370	--	--	--	--	<0.005	<50	<20	<20	<50
MAR 30...	3.56	0.320	0.27	0.18	<0.010	<0.010	<0.005	<50	<20	<20	50
JUN 11...	3.53	0.330	--	--	--	--	--	<50	<20	<20	50
AUG 31...	3.60	0.260	0.55	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)
DEC 17...	<10	<20	<20	<20	<20	1000	200	<20	850	800	<20
MAR 30...	<10	<20	<20	<20	<20	350	190	<20	600	700	<20
JUN 11...	<10	<20	<20	<20	<20	420	250	<20	790	810	<20
AUG 31...	<10	<20	<20	<20	<20	460	160	<20	840	780	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI)	PALLADIUM TOTAL (UG/L AS PD)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	SILICON DISSOLVED (UG/L AS SI)	STRONTIUM, DISSOLVED (UG/L AS SR)	THALLIUM, DISSOLVED (UG/L AS TL)	TIN DISSOLVED (UG/L AS SN)	TITANIUM DISSOLVED (UG/L AS TI)	VANADIUM, DISSOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 17...	<20	<100	<20	<20	4600	90	<250	<100	<20	<20	--
MAR 30...	<20	<50	<20	<20	600	100	<50	<50	<20	<20	<0.02
JUN 11...	<20	<100	<20	<20	4900	100	<100	--	<20	<20	--
AUG 31...	<20	--	<20	<20	5000	100	--	--	<20	<20	0.03

01308000 SAMPAWAMS CREEK AT BABYLON, NY

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

DRAINAGE AREA.--About 23 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--No estimated daily discharges. Records good except those for Oct. to Dec., Aug. and Sept., 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.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun. 6	0100	*107	*1.72	Sep. 3	1030	101	1.65

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	7.4	5.4	6.4	6.0	5.5	8.0	6.4	8.6	6.8	13	7.1
2	8.5	7.4	6.3	6.1	5.8	5.4	8.1	6.4	6.4	6.2	9.1	7.0
3	9.0	7.1	22	6.0	5.7	5.4	8.1	6.2	6.1	6.1	8.0	20
4	8.0	6.6	14	7.9	5.9	5.7	8.0	6.1	8.1	8.6	7.0	9.0
5	8.2	6.0	9.2	7.6	5.8	5.7	7.8	5.6	24	7.2	6.5	8.2
6	14	6.2	8.1	6.1	5.7	5.5	7.6	5.4	37	9.9	6.2	6.8
7	10	5.8	7.5	5.9	5.7	7.5	7.7	5.7	15	6.5	5.9	6.7
8	9.2	5.8	6.9	5.7	5.9	6.1	7.4	8.1	12	5.8	5.7	6.8
9	8.4	5.6	7.0	6.2	5.6	6.4	7.3	8.0	10	9.5	8.0	6.8
10	8.5	5.4	11	6.3	5.0	6.9	7.5	6.7	9.3	6.5	6.6	7.4
11	12	6.5	7.7	6.0	5.4	21	12	7.1	9.0	6.1	11	9.8
12	10	5.5	6.9	6.1	5.0	10	8.1	6.6	8.6	5.9	6.9	6.9
13	8.7	5.2	8.2	6.2	5.4	8.4	7.5	6.4	8.3	5.9	6.1	6.6
14	8.1	5.0	9.0	7.9	6.7	7.7	7.2	6.0	7.9	5.5	8.3	6.5
15	10	4.9	7.3	6.4	8.4	7.5	7.2	5.8	7.8	16	11	6.6
16	9.8	5.0	6.5	6.3	12	7.2	8.0	7.7	7.3	9.3	23	6.7
17	14	5.0	6.5	6.0	7.7	7.2	8.5	6.5	7.0	7.8	30	7.0
18	13	4.8	6.3	5.8	7.2	7.2	7.7	6.4	6.8	6.8	23	7.2
19	11	4.9	6.1	5.6	6.9	8.9	7.5	5.8	7.4	6.0	13	7.0
20	9.6	5.3	6.1	5.9	6.6	8.2	7.5	5.6	7.5	6.3	9.9	6.7
21	9.7	5.3	6.1	5.7	6.2	7.9	7.3	5.4	7.1	5.6	8.6	6.9
22	9.5	7.5	6.4	5.7	6.1	8.1	7.4	5.2	6.8	4.9	8.4	7.3
23	9.3	7.7	6.4	11	6.1	8.6	7.1	5.1	6.6	8.5	8.1	7.1
24	8.9	8.1	6.1	8.7	6.0	8.0	6.9	4.9	8.8	5.8	7.7	6.0
25	9.0	6.1	5.7	7.2	6.0	8.0	7.1	4.7	7.7	5.6	7.6	5.5
26	8.7	5.3	5.7	6.6	8.7	10	6.8	4.9	7.0	6.2	7.6	16
27	8.4	4.8	6.0	6.4	6.8	12	6.8	4.9	8.8	8.2	7.7	9.1
28	8.1	5.0	5.8	6.4	6.4	9.1	6.5	4.7	7.8	5.9	10	7.5
29	7.5	4.9	13	6.2	5.9	8.0	6.7	4.7	7.0	5.5	9.9	6.4
30	7.4	5.0	7.8	6.2	---	8.2	6.5	4.8	6.7	6.3	7.3	5.7
31	7.2	---	6.8	6.2	---	8.6	---	16	---	21	7.2	---
TOTAL	291.9	175.1	243.8	202.7	186.6	249.9	227.8	193.8	288.4	232.2	308.3	234.3
MEAN	9.42	5.84	7.86	6.54	6.43	8.06	7.59	6.25	9.61	7.49	9.95	7.81
MAX	14	8.1	22	11	12	21	12	16	37	21	30	20
MIN	7.2	4.8	5.4	5.6	5.0	5.4	6.5	4.7	6.1	4.9	5.7	5.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1992, BY WATER YEAR (WY)

MEAN	7.37	8.29	9.42	10.3	10.9	12.4	13.3	11.7	10.1	8.83	8.32	7.43
MAX	22.5	19.8	14.2	19.6	16.6	20.1	23.7	20.7	24.3	21.9	20.5	16.3
(WY)	1991	1956	1984	1978	1979	1958	1983	1989	1989	1975	1989	1989
MIN	3.95	4.30	4.23	5.13	5.77	6.97	5.98	5.79	4.70	3.38	3.43	3.79
(WY)	1988	1951	1966	1981	1947	1988	1966	1986	1986	1966	1988	1986

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1945 - 1992	
ANNUAL TOTAL	4136.2		2834.8			
ANNUAL MEAN	11.3		7.75		9.83	
HIGHEST ANNUAL MEAN					15.4	1984
LOWEST ANNUAL MEAN					5.55	1988
HIGHEST DAILY MEAN	71	Aug 19	37	Jun 6	93	Oct 13 1990
LOWEST DAILY MEAN	4.7	Aug 18	4.7	May 25	1.7	May 29 1976
ANNUAL SEVEN-DAY MINIMUM	5.0	Nov 13	4.8	May 24	2.6	Aug 17 1988
INSTANTANEOUS PEAK FLOW			107	Jun 6	212a	Oct 13 1990
INSTANTANEOUS PEAK STAGE			1.72	Jun 6	3.28	Feb 7 1971
INSTANTANEOUS LOW FLOW			4.7b	Nov 14	1.3c	Sep 13 1986
10 PERCENT EXCEEDS	17		10		16	
50 PERCENT EXCEEDS	11		7.0		8.7	
90 PERCENT EXCEEDS	5.8		5.5		4.8	

a From rating curve extended above 110 ft^3/s.
b Also occurred on Nov 15,16, 27, Feb 12,13, May 24-30 and Jul 22,23.
c Result of regulation, also occurred on Sept 14 1986.

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 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 01...	1120	8.4	124	5.4	14.5	7.6	12	3.1	18	3.1	23	24
DEC 18...	1110	6.4	--	--	6.0	9.2	13	3.2	17	2.8	25	26
APR 06...	1145	7.6	211	6.2	11.0	11.8	14	3.4	20	3.1	26	26
JUN 17...	1115	6.8	185	6.2	18.0	6.8	13	3.3	18	2.9	24	27
SEP 01...	1125	7.2	153	6.5	17.0	7.3	17	3.7	18	3.0	22	25

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	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)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 01...	3.00	0.270	0.87	0.88	<0.010	<0.010	<0.005	<50	<20	<20	<50
DEC 18...	2.62	0.840	--	--	--	--	<0.005	<50	<20	<20	<50
APR 06...	2.18	0.950	0.73	0.78	<0.010	<0.010	<0.005	<50	<20	<20	50
JUN 17...	2.04	0.950	--	--	--	--	0.009	<50	<20	<20	<50
SEP 01...	2.00	0.590	0.71	--	<0.010	--	<0.010	<50	<20	<20	<50

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)
OCT 01...	<10	<20	<20	<20	<20	130	140	<20	180	290	--
DEC 18...	<10	<20	<20	<20	<20	330	230	<20	780	800	<20
APR 06...	<10	<20	<20	<20	<20	530	440	<20	810	1100	<20
JUN 17...	<10	<20	<20	<20	<20	1300	1100	<20	920	1000	<20
SEP 01...	<10	<20	<20	<20	<20	580	440	<20	610	660	<20

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	PAL-LADIUM TOTAL (UG/L AS PD)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	SILICON DIS-SOLVED (UG/L AS SI)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	THAL-LIUM, DIS-SOLVED (UG/L AS TL)	TIN DIS-SOLVED (UG/L AS SN)	TITA-NIUM DIS-SOLVED (UG/L AS TI)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 01...	<20	--	<20	<20	3400	80	<100	--	<20	--	0.03
DEC 18...	<20	<100	<20	<20	3500	70	<250	<100	<20	<20	--
APR 06...	<20	--	<20	<20	3900	<100	<50	--	<20	<20	0.04
JUN 17...	<20	<100	<20	<20	3900	80	<100	--	<20	<20	--
SEP 01...	<20	--	<20	<20	4000	--	--	--	<20	<20	0.03

01308500 CARLLS RIVER AT BABYLON, NY

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

DRAINAGE AREA.--About 35 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area. WRD NY 1972: 1947(m), 1952(m), 1954(m), 1958(m), 1960-63(m).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	19	20	22	20	19	25	20	47	16	51	16
2	21	20	22	22	18	19	25	20	25	15	24	17
3	21	19	52	24	19	18	25	19	20	15	18	35
4	21	19	47	27	19	18	23	19	21	24	19	30
5	20	19	30	24	19	18	23	20	35	19	19	22
6	30	19	28	20	18	18	23	19	114	21	14	20
7	27	19	26	20	18	20	23	e19	40	17	15	20
8	22	19	24	20	19	24	22	e25	32	16	15	20
9	20	18	25	21	19	21	21	e30	28	25	21	19
10	20	19	36	22	17	20	21	e25	25	18	16	21
11	23	26	28	21	18	53	31	e20	24	15	22	25
12	27	24	25	20	17	31	25	e19	23	15	30	18
13	21	21	26	20	17	26	22	e19	22	16	19	16
14	19	20	30	25	20	24	22	e19	21	15	20	18
15	22	19	27	22	21	24	21	e19	20	22	19	20
16	32	19	24	21	40	23	22	23	19	37	44	20
17	32	18	23	20	25	23	26	22	20	19	81	18
18	38	18	23	20	22	22	24	20	19	18	75	17
19	26	18	22	19	22	26	23	18	20	16	38	17
20	24	19	22	19	21	26	22	17	22	15	30	16
21	23	19	22	20	20	25	22	17	20	15	27	16
22	22	22	22	19	19	24	22	e17	18	14	26	17
23	22	31	22	26	19	26	22	e17	18	21	24	18
24	21	28	21	34	19	25	21	e17	23	21	23	16
25	21	23	21	24	20	23	24	e16	21	16	23	15
26	21	21	21	21	28	26	22	e16	18	16	22	32
27	21	20	20	21	23	41	21	e16	19	24	22	25
28	20	20	20	21	20	29	21	e17	24	17	24	21
29	19	20	31	21	20	26	21	16	18	15	32	18
30	20	19	32	21	---	26	21	15	17	15	22	17
31	19	---	23	21	---	27	---	33	---	44	19	---
TOTAL	717	615	815	678	597	771	686	609	793	592	854	600
MEAN	23.1	20.5	26.3	21.9	20.6	24.9	22.9	19.6	26.4	19.1	27.5	20.0
MAX	38	31	52	34	40	53	31	33	114	44	81	35
MIN	19	18	20	19	17	18	21	15	17	14	14	15

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1992, BY WATER YEAR (WY)

MEAN	21.1	24.4	27.2	28.5	30.0	32.9	34.0	30.5	26.5	22.6	22.1	20.3
MAX	52.0	50.3	48.8	55.8	49.3	54.5	64.3	53.8	50.7	49.6	40.7	36.4
(WY)	1991	1956	1978	1978	1979	1979	1983	1989	1989	1984	1990	1960
MIN	10.5	11.3	12.3	13.6	15.1	18.5	13.2	14.1	11.8	8.57	9.66	9.67
(WY)	1966	1966	1966	1966	1967	1966	1966	1966	1966	1966	1966	1965

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1945 - 1992	
ANNUAL TOTAL	10876		8327			
ANNUAL MEAN	29.8		22.8		26.7	
HIGHEST ANNUAL MEAN					39.9	1978
LOWEST ANNUAL MEAN					14.1	1966
HIGHEST DAILY MEAN	154	Aug 19	114	Jun 6	205	Jan 26 1978
LOWEST DAILY MEAN	14	Jul 22	14	Jul 22	4.5	Jul 6 1966
ANNUAL SEVEN-DAY MINIMUM	15	Jul 16	16	May 24	7.4	Aug 4 1966
INSTANTANEOUS PEAK FLOW			170	Jun 6	300a	Aug 24 1990
INSTANTANEOUS PEAK STAGE			1.79	Jun 6	2.39	Aug 24 1990
INSTANTANEOUS LOW FLOW			.96b	Dec 19	.05c	Sep 4 1963
10 PERCENT EXCEEDS	42		30		41	
50 PERCENT EXCEEDS	27		21		24	
90 PERCENT EXCEEDS	18		17		14	

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

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
*01...	1100	22	194	6.7	14.5	770	9.4	12	3.0	17	2.9
01...	1320	22	119	6.1	15.0	--	9.6	11	2.8	18	3.0
DEC											
*18...	1220	23	--	--	3.0	--	11.0	12	2.9	18	2.8
JAN											
08...	0940	20	192	6.9	3.5	769	12.4	13	3.0	18	2.9
APR											
*06...	1030	22	257	7.0	8.5	--	11.4	13	3.3	22	3.1
21...	0900	22	208	6.8	11.5	765	9.0	12	3.0	19	2.9
JUN											
*17...	1345	20	175	7.6	21.5	--	9.6	12	3.1	18	2.8
JUL											
08...	0850	17	125	7.0	22.0	767	8.1	12	3.0	17	2.8
SEP											
*01...	1345	16	143	7.3	21.0	--	10.6	14	3.3	20	3.2

DATE	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)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
OCT											
*01...	18	34	26	<0.10	6.9	0.020	0.020	2.70	2.80	0.180	0.150
01...	--	26	22	--	--	--	--	2.90	--	0.160	--
DEC											
*18...	--	28	24	--	--	--	--	2.61	--	1.22	--
JAN											
08...	25	31	26	<0.10	9.1	0.037	0.037	2.60	2.60	1.10	1.10
APR											
*06...	--	30	28	--	--	--	--	2.91	--	0.800	--
21...	18	26	25	<0.10	7.3	0.020	0.020	2.50	2.50	0.800	0.810
JUN											
*17...	--	28	24	--	--	--	--	2.81	--	0.140	--
JUL											
08...	20	25	24	<0.10	8.0	0.035	0.041	1.90	1.90	0.270	0.280
SEP											
*01...	--	26	23	--	--	--	--	2.30	--	0.090	--

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	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)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)
OCT											
*01...	0.40	0.20	0.014	--	0.003	0.001	--	--	--	--	--
01...	0.73	0.71	<0.010	<0.010	<0.005	--	<50	<20	<20	<50	<10
DEC											
*18...	--	--	--	--	<0.005	--	<50	<20	<20	<50	<10
JAN											
08...	1.4	1.4	0.011	--	0.007	0.004	--	--	--	--	--
APR											
*06...	0.70	0.66	<0.010	<0.010	<0.005	--	<50	<20	<20	50	<10
21...	1.2	1.1	0.010	--	0.003	<0.001	--	--	--	--	--
JUN											
*17...	--	--	--	--	<0.005	--	<50	<20	<20	<50	<10
JUL											
08...	0.60	0.50	0.016	--	0.003	<0.001	--	--	--	--	--
SEP											
*01...	0.60	--	<0.010	--	<0.010	--	<50	<20	<20	<50	<10

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)
OCT											
01...	--	--	--	--	260	81	--	290	290	--	--
*01...	<20	<20	<20	<20	140	140	<20	170	260	--	<20
DEC											
*18...	<20	<20	<20	<20	390	190	<20	920	900	<20	<20
JAN											
08...	--	--	--	--	390	160	--	940	1000	--	--
APR											
*06...	<20	<20	<20	<20	470	250	<20	1200	1500	<20	<20
21...	--	--	--	--	560	100	--	1300	1200	--	--
JUN											
*17...	<20	<20	<20	<20	540	300	<20	1000	1000	<20	<20
JUL											
08...	--	--	--	--	670	230	--	1300	1300	--	--
SEP											
*01...	<20	<20	<20	<20	350	210	<20	270	220	<20	<20

DATE	PAL-LADIUM TOTAL (UG/L	SELE-NIUM, DIS-SOLVED (UG/L	SILVER, DIS-SOLVED (UG/L	SILICON DIS-SOLVED (UG/L	STRON-TIUM, DIS-SOLVED (UG/L	THAL-LIUM, DIS-SOLVED (UG/L	TIN DIS-SOLVED (UG/L AS SN)	TITA-NIUM DIS-SOLVED (UG/L	VANA-DIUM, DIS-SOLVED (UG/L	METHY-LENE BLUE ACTIVE SUB-STANCE
OCT										
01...	--	--	--	--	--	--	--	--	--	0.08
*01...	--	<20	<20	<1000	70	<100	--	<20	--	0.03
DEC										
*18...	<100	<20	<20	4200	60	<250	<100	<20	<20	--
JAN										
08...	--	--	--	--	--	--	--	--	--	0.09
APR										
*06...	--	<20	<20	3600	<100	<50	--	<20	<20	--
21...	--	--	--	--	--	--	--	--	--	0.08
JUN										
*17...	<100	<20	<20	4200	70	<100	--	<20	<20	--
JUL										
08...	--	--	--	--	--	--	--	--	--	0.08
SEP										
*01...	--	<20	<20	3300	70	--	--	<20	<20	0.03

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

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

DRAINAGE AREA.--About 7 square miles.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	SPECIFIC CONDUCTANCE FIELD (US/CM)	PH WATER WHOLE FIELD (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)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 01...	1220	166	6.4	15.0	5.8	20	4.0	28	4.4	31	46
DEC 18...	1325	--	--	6.5	7.8	20	4.0	25	3.8	33	43
APR 06...	0915	365	6.8	7.0	9.9	24	4.7	30	4.5	33	49
JUN 17...	1230	233	6.5	17.5	7.5	19	4.3	27	4.0	29	45
SEP 01...	1230	194	6.7	16.5	6.2	25	4.6	29	4.2	28	43

DATE	NITROGEN, NO2+NO3 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)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)
OCT 01...	1.10	1.46	--	2.0	<0.010	<0.010	0.011	<50	<20	<20	60
DEC 18...	1.05	1.56	--	--	--	--	<0.005	<50	<20	<20	50
APR 06...	1.00	1.56	1.4	1.4	<0.010	<0.010	<0.005	<50	<20	<20	60
JUN 17...	1.26	1.22	--	--	--	--	<0.005	<50	<20	<20	70
SEP 01...	1.10	1.23	1.4	--	<0.010	--	<0.010	<50	<20	<20	<60

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MOLYBDENUM, DISSOLVED (UG/L AS MO)
OCT 01...	<10	<20	<20	<20	<20	720	800	<20	12000	2300	--
DEC 18...	<10	<20	<20	<20	<20	1400	970	<20	2400	2400	<20
APR 06...	<10	<20	<20	<20	<20	1200	1200	<20	1900	2400	<20
JUN 17...	<10	<20	<20	<20	<20	1000	800	<20	1900	2000	<20
SEP 01...	<10	<20	<20	<20	<20	990	820	<20	2000	2100	<20

DATE	NICKEL, DISSOLVED (UG/L AS NI)	PALLADIUM TOTAL (UG/L AS PD)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	SILICON DISSOLVED (UG/L AS SI)	STRONTIUM, DISSOLVED (UG/L AS SR)	THALLIUM, DISSOLVED (UG/L AS TL)	TIN DISSOLVED (UG/L AS SN)	TITANIUM DISSOLVED (UG/L AS TI)	VANADIUM, DISSOLVED (UG/L AS V)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 01...	<20	--	<20	<20	<1000	120	<100	--	<20	--	0.07
DEC 18...	<20	<100	<20	<20	4000	110	<250	<100	<20	<20	--
APR 06...	<20	--	<20	<20	3900	100	<50	--	<20	<20	0.04
JUN 17...	<20	<100	<20	<20	4300	120	<100	--	<20	<20	--
SEP 01...	<20	--	<20	<20	4200	140	--	--	<20	<20	0.04

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

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

DRAINAGE AREA.--About 38 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

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)
Aug. 16	1745	*106	*1.49

Date	Time	Discharge (ft^3/s)	Gage height (ft)

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	3.4	3.7	4.5	3.8	3.5	4.2	2.8	6.5	1.5	7.1	2.4
2	4.4	3.3	3.8	4.5	3.7	3.4	4.0	2.6	3.1	1.4	2.6	2.2
3	4.5	3.0	23	4.1	3.5	3.3	4.1	2.5	2.6	1.5	2.0	e12
4	3.9	2.9	13	5.5	3.4	3.3	3.7	2.6	2.4	5.1	2.0	5.5
5	3.8	2.9	6.2	4.6	3.3	3.3	3.7	2.6	23	1.7	1.8	3.0
6	8.9	3.1	5.7	4.2	3.3	3.3	3.7	2.5	21	1.6	1.6	2.4
7	4.7	2.9	5.4	4.0	3.3	6.2	3.7	2.5	5.5	1.4	1.6	2.4
8	3.7	2.9	5.0	4.0	3.4	4.7	4.3	4.3	4.8	1.3	1.5	2.5
9	3.5	2.9	5.0	4.4	3.4	3.7	3.7	6.9	3.5	6.8	3.3	2.2
10	3.6	3.1	11	4.2	3.1	3.9	3.6	5.1	3.0	1.6	1.6	2.4
11	4.5	8.0	5.5	4.0	3.3	17	9.6	3.4	2.8	1.4	13	4.2
12	4.8	3.8	5.1	3.7	3.1	4.9	4.1	3.1	2.6	1.5	4.6	2.3
13	3.6	3.3	6.4	3.7	3.3	4.3	4.0	3.1	2.4	1.4	2.0	2.0
14	3.7	3.3	6.8	5.7	4.4	4.0	4.2	2.8	2.3	1.4	3.8	2.0
15	9.7	3.3	5.4	4.3	6.1	3.7	3.9	2.5	1.9	8.2	2.5	2.1
16	6.3	3.3	4.8	4.1	13	3.7	4.3	5.9	1.9	4.8	26	1.9
17	14	3.3	4.3	4.0	4.7	3.7	5.1	2.9	1.9	1.8	30	1.7
18	8.3	3.3	4.1	3.8	4.5	3.5	4.3	2.8	1.7	1.6	31	1.7
19	5.5	3.3	4.0	3.7	4.5	4.5	3.9	2.5	3.8	1.5	8.5	1.7
20	4.5	3.3	3.9	3.7	4.0	4.0	3.8	2.5	3.0	1.6	6.1	1.6
21	4.0	3.3	4.0	3.7	3.8	3.8	3.8	2.5	1.9	1.4	4.9	1.6
22	4.0	8.0	3.8	3.7	3.7	3.8	3.6	2.4	1.7	1.4	4.1	1.8
23	3.8	12	3.8	9.3	3.7	4.6	3.3	2.2	1.7	3.9	4.3	3.0
24	3.7	8.0	3.8	6.8	3.8	3.8	3.2	2.2	4.2	2.1	3.9	1.6
25	3.5	4.8	3.7	4.6	3.8	3.8	4.2	2.3	2.1	1.4	3.5	1.5
26	3.3	3.9	3.7	4.3	8.1	6.2	3.5	2.4	1.6	1.9	3.4	10
27	3.3	3.7	3.7	4.0	4.3	11	3.2	2.4	1.7	4.2	3.4	3.1
28	3.3	3.7	3.7	4.0	3.8	5.1	3.1	2.4	1.9	1.6	3.3	2.7
29	3.3	3.7	14	4.0	3.8	4.6	2.9	2.5	1.5	1.4	3.7	1.9
30	3.4	3.4	6.4	4.0	---	4.4	3.1	2.5	1.4	1.4	2.9	1.7
31	3.6	---	4.9	4.0	---	4.8	---	20	---	19	2.8	---
TOTAL	150.0	123.1	187.6	137.1	123.9	147.8	119.8	109.7	119.4	88.8	192.8	87.1
MEAN	4.84	4.10	6.05	4.42	4.27	4.77	3.99	3.54	3.98	2.86	6.22	2.90
MAX	14	12	23	9.3	13	17	9.6	20	23	19	31	12
MIN	3.3	2.9	3.7	3.7	3.1	3.3	2.9	2.2	1.4	1.3	1.5	1.5

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	7.53	8.95	9.66	11.0	11.8	13.9	15.1	13.2	10.9	8.90	8.60	7.19
MAX	18.6	24.5	18.8	33.2	25.7	28.7	33.8	32.5	28.7	25.7	22.9	18.2
(WY)	1956	1956	1973	1979	1973	1939	1953	1979	1952	1984	1955	1938
MIN	1.95	2.01	2.12	2.71	3.72	3.85	2.91	2.92	1.95	1.90	1.73	1.47
(WY)	1987	1966	1966	1966	1989	1966	1966	1986	1986	1966	1966	1986

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	2880.6		1587.1			
ANNUAL MEAN	7.89		4.34		10.7	
HIGHEST ANNUAL MEAN					19.4	1973
LOWEST ANNUAL MEAN					3.19	1966
HIGHEST DAILY MEAN	103	Aug 19	31	Aug 18	191	Jan 21 1979
LOWEST DAILY MEAN	1.7	Aug 8	1.3	Jul 8	1.0	Nov 5 1987
ANNUAL SEVEN-DAY MINIMUM	2.0	Jul 16	1.6	Jun 27	1.2	Aug 19 1987
INSTANTANEOUS PEAK FLOW			106	Aug 16	510a	Jul 29 1980
INSTANTANEOUS PEAK STAGE			1.49	Aug 16	2.40	Jul 29 1980
INSTANTANEOUS LOW FLOW			1.3b	Jun 29	.48c	Nov 21 1987
10 PERCENT EXCEEDS	13		6.4		20	
50 PERCENT EXCEEDS	6.5		3.7		8.6	
90 PERCENT EXCEEDS	3.1		1.7		3.5	

a From rating curve extended above 200 ft^3/s.
b Also occurred on Jun 30 to Jul 3, 7-9, 11, 13-15, 21-23, 25, 29-31, Aug 8.
c Result of regulation.

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT									
04...	0855	4.0	251	6.5	15.5	766	7.8	18	3.4
JAN									
13...	1125	3.7	241	6.5	8.5	759	11.0	17	3.1
APR									
08...	0915	4.0	229	6.6	9.5	759	10.1	17	2.9
JUL									
22...	0945	1.5	--	6.6	20.0	765	7.6	18	3.5

DATE	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)	NITRO-GEN NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT									
04...	23	3.0	26	31	33	<0.10	8.1	0.025	2.70
JAN									
13...	20	3.1	24	31	34	0.10	9.5	0.020	2.90
APR									
08...	19	2.8	24	27	30	0.10	6.9	0.019	2.20
JUL									
22...	22	3.0	24	30	36	<0.10	7.6	0.037	2.50

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT									
04...	0.110	0.30	0.020	0.002	170	33	420	400	0.07
JAN									
13...	0.490	0.70	0.026	0.002	390	64	840	800	0.07
APR									
08...	0.310	0.40	0.178	0.035	470	91	560	580	0.06
JUL									
22...	0.250	0.40	0.021	0.003	350	140	510	490	0.07

01309680 SEAFORD CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°40'06", long 73°28'55", Nassau County, Hydrologic Unit 02030202, on left bank 15 ft downstream from concrete foot bridge, in Tackapausha Preserve in Massapequa.

DRAINAGE AREA.--About 3.3 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional measurements 1989, 1991; March to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 3.0 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except those for September and estimated period, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.0	1.0	1.2	1.6	1.3	.74
2	---	---	---	---	---	---	1.0	1.1	.76	.67	.56	.73
3	---	---	---	---	---	---	1.0	.99	.61	.61	.52	e2.0
4	---	---	---	---	---	---	1.0	.92	.57	1.2	.51	e.80
5	---	---	---	---	---	---	1.0	1.0	4.3	.61	.50	.57
6	---	---	---	---	---	---	.98	.80	4.2	.59	.47	.50
7	---	---	---	---	---	---	.99	.83	.88	.54	.47	.47
8	---	---	---	---	---	---	.97	1.6	.97	.53	.46	.47
9	---	---	---	---	---	---	.90	1.5	.76	1.9	.85	.47
10	---	---	---	---	---	1.2	.92	1.5	.67	.53	.59	.47
11	---	---	---	---	---	4.6	2.2	1.0	.63	.49	e2.0	e.70
12	---	---	---	---	---	1.8	.98	.95	.63	.50	1.4	.49
13	---	---	---	---	---	1.3	.91	.94	.63	.51	.81	.45
14	---	---	---	---	---	1.1	.87	.93	.61	.51	e1.0	.45
15	---	---	---	---	---	1.1	.84	.89	.63	1.6	.82	e.45
16	---	---	---	---	---	1.1	1.1	2.2	.63	1.2	1.3	e.45
17	---	---	---	---	---	1.2	1.1	1.1	.62	.56	e3.0	e.45
18	---	---	---	---	---	1.0	.94	.98	.65	.52	e5.0	e.45
19	---	---	---	---	---	1.3	.91	.91	1.2	.50	2.0	e.45
20	---	---	---	---	---	1.2	.84	.87	.86	.49	1.2	e.45
21	---	---	---	---	---	.98	.84	.84	.75	.48	e1.0	e.45
22	---	---	---	---	---	.89	.93	.82	.68	.47	.89	e.45
23	---	---	---	---	---	1.0	.90	.74	.67	.98	.84	e.60
24	---	---	---	---	---	.87	.87	.74	1.1	.61	.79	e.45
25	---	---	---	---	---	.88	1.0	.70	.73	.51	.78	e.45
26	---	---	---	---	---	1.4	1.0	.77	.70	.55	.77	e1.0
27	---	---	---	---	---	2.2	1.0	.75	.71	.86	.83	e.60
28	---	---	---	---	---	1.1	1.0	.63	.62	.53	1.6	e.50
29	---	---	---	---	---	.98	1.0	.55	.58	.51	.84	e.45
30	---	---	---	---	---	.97	1.0	.55	.65	.51	.79	e.45
31	---	---	---	---	---	1.1	---	3.6	---	2.5	.75	---
TOTAL	---	---	---	---	---	---	29.99	32.70	29.20	24.17	34.64	17.41
MEAN	---	---	---	---	---	---	1.00	1.05	.97	.78	1.12	.58
MAX	---	---	---	---	---	---	2.2	3.6	4.3	2.5	5.0	2.0
MIN	---	---	---	---	---	---	.84	.55	.57	.47	.46	.45

e Estimated

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. 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. 8, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.9	2.9	3.2	e2.9	2.9	3.4	2.5	4.3	3.7	2.9	2.0
2	2.7	2.7	3.3	3.3	e3.0	2.7	3.6	2.5	2.8	1.7	2.0	2.0
3	2.7	2.5	16	3.2	e2.9	2.6	3.3	2.4	2.3	1.6	1.7	8.1
4	2.5	2.6	6.4	4.0	e2.9	2.8	3.2	2.4	2.1	3.2	1.7	2.8
5	2.5	2.5	4.3	3.3	e2.8	2.7	3.1	2.3	17	1.9	1.6	2.3
6	3.2	2.8	3.9	3.2	e2.8	2.7	3.0	2.2	8.3	1.8	1.5	2.2
7	2.6	3.1	3.6	3.1	e2.8	3.4	3.0	2.2	3.5	1.6	1.5	2.2
8	2.6	2.7	3.4	3.1	e2.8	2.9	3.0	4.3	3.2	1.6	1.4	2.2
9	2.6	2.6	3.5	3.5	e2.8	2.7	3.0	3.2	3.0	5.2	2.3	2.0
10	2.6	3.0	6.2	3.1	e2.5	2.9	3.0	3.9	2.6	1.7	1.5	2.0
11	8.8	5.2	3.7	3.0	e2.6	9.4	6.9	3.0	2.5	1.6	7.4	2.3
12	3.1	2.7	3.4	e2.9	2.5	3.4	3.2	2.3	2.4	1.5	2.3	1.8
13	2.5	2.7	4.1	e3.2	2.6	3.3	2.9	2.2	2.1	1.5	1.9	1.8
14	2.4	2.7	4.1	e4.2	2.8	3.2	3.0	2.2	2.1	1.5	2.4	1.8
15	6.3	2.7	3.5	e2.8	5.4	3.0	2.8	1.9	2.0	6.9	1.9	1.8
16	3.0	2.7	3.5	e2.7	6.0	2.9	3.4	4.2	1.9	2.3	16	2.0
17	10	2.5	3.5	e3.8	3.2	3.0	3.3	2.2	1.9	1.7	22	1.9
18	4.1	2.5	3.5	e3.0	3.1	2.8	3.2	2.1	1.8	1.7	24	1.9
19	3.2	2.6	3.6	e2.8	3.0	3.6	3.5	2.0	2.7	1.5	4.9	1.9
20	2.9	2.8	3.8	e2.9	3.0	3.1	3.2	2.3	2.1	1.5	3.8	1.8
21	2.7	2.5	3.7	e3.0	3.0	3.1	2.9	2.1	1.8	1.4	3.4	1.9
22	2.9	8.6	3.5	e2.8	3.0	3.1	3.2	2.0	1.7	1.4	3.1	2.1
23	2.6	4.9	3.7	e5.8	3.4	3.3	2.8	1.8	1.8	2.4	3.0	2.1
24	2.6	4.2	3.6	e3.6	2.9	3.2	2.8	1.8	2.2	1.7	3.0	1.6
25	2.5	3.0	3.4	e3.1	2.9	3.2	3.1	1.7	1.7	1.5	2.7	1.6
26	2.5	2.9	3.1	e3.0	4.4	6.3	2.8	1.8	1.6	1.7	2.6	2.9
27	2.3	2.8	3.0	e2.8	3.0	5.2	2.7	1.9	1.9	2.3	2.4	2.0
28	2.4	2.7	3.0	e2.8	3.0	3.5	2.6	1.7	1.7	1.5	2.6	1.8
29	2.5	2.7	9.4	e2.9	3.0	3.4	2.6	1.6	1.6	1.4	2.4	1.7
30	2.6	2.7	3.7	e2.9	---	3.2	2.4	1.7	1.5	1.4	2.3	1.7
31	2.6	---	3.2	e2.8	---	3.6	---	13	---	10	2.0	---
TOTAL	101.4	93.5	133.5	99.8	91.0	107.1	94.9	83.4	88.1	72.4	134.2	66.2
MEAN	3.27	3.12	4.31	3.22	3.14	3.45	3.16	2.69	2.94	2.34	4.33	2.21
MAX	10	8.6	16	5.8	6.0	9.4	6.9	13	17	10	24	8.1
MIN	2.3	2.5	2.9	2.7	2.5	2.6	2.4	1.6	1.5	1.4	1.4	1.6

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	7.15	8.50	9.17	9.94	10.9	12.3	12.7	10.9	9.45	7.85	7.85	6.86
MAX	18.9	24.4	20.8	21.8	19.9	24.4	26.2	23.2	26.5	19.5	21.2	23.0
(WY)	1959	1956	1978	1978	1956	1961	1953	1958	1952	1975	1961	1960
MIN	.65	1.17	1.71	2.45	3.03	3.45	2.93	2.58	1.02	.93	.69	.29
(WY)	1987	1988	1988	1989	1983	1992	1988	1986	1986	1986	1988	1986

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	2185.2		1165.5			
ANNUAL MEAN	5.99		3.18		9.46	
HIGHEST ANNUAL MEAN					19.7	1961
LOWEST ANNUAL MEAN					2.41	1986
HIGHEST DAILY MEAN	86	Aug 19	24	Aug 18	162	Sep 12 1960
LOWEST DAILY MEAN	1.6	Aug 8	1.4a	Jul 21	.00b	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 2	1.6	Jul 19	.18	Jul 20 1986
10 PERCENT EXCEEDS	9.6		4.1		17	
50 PERCENT EXCEEDS	4.6		2.8		7.7	
90 PERCENT EXCEEDS	2.5		1.7		2.8	

a Also occurred on Jul 22, 29, 30 and Aug 8.
b Also occurred on Jul 25 1986.

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 04...	0805	2.6	265	6.6	16.5	766	9.7	17	3.2
JAN 13...	0955	2.6	259	6.6	7.5	760	9.1	17	3.1
APR 08...	0805	2.6	259	6.7	11.0	759	10.7	18	3.1
JUL 22...	0840	1.5	261	6.8	21.0	765	7.3	18	3.3

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 04...	27	2.3	36	26	38	<0.10	7.9	0.035	1.90
JAN 13...	25	2.5	33	28	37	0.10	9.8	0.021	2.90
APR 08...	25	2.2	31	27	36	0.10	7.1	0.018	2.60
JUL 22...	27	2.3	37	25	40	<0.10	7.6	0.049	1.30

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 04...	0.030	0.20	0.014	<0.001	530	99	270	250	0.03
JAN 13...	0.170	0.30	0.010	<0.001	410	69	350	340	0.06
APR 08...	0.070	<0.20	0.011	<0.001	410	67	400	390	0.05
JUL 22...	0.240	0.40	0.041	0.002	1100	150	330	310	0.06

01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 18	0215	*449	*2.44

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.0	2.0	2.4	1.9	1.9	2.4	1.8	6.2	4.8	4.5	2.8
2	2.2	2.1	2.0	2.4	2.0	1.8	2.2	1.9	2.3	2.1	1.9	2.8
3	2.2	2.0	30	2.2	1.9	1.8	2.1	1.6	2.1	1.9	1.6	7.0
4	2.0	1.9	15	3.2	1.9	1.8	2.0	1.7	1.9	4.6	1.5	3.3
5	2.0	1.8	3.9	2.5	1.9	1.8	2.0	1.7	37	2.0	1.3	2.7
6	2.3	1.8	3.3	2.4	1.7	1.8	1.9	1.7	21	2.0	1.2	2.5
7	2.1	1.7	2.9	2.2	1.8	3.2	1.9	1.6	4.4	1.6	1.1	2.7
8	2.2	1.9	2.6	2.1	1.9	2.4	2.0	4.3	3.5	1.4	1.1	2.6
9	2.3	1.9	2.5	2.4	1.8	1.8	1.9	5.3	3.0	6.5	2.8	2.5
10	2.4	2.0	5.2	2.2	1.5	2.0	2.0	4.2	2.5	2.0	1.5	2.5
11	4.4	4.1	2.8	1.9	1.5	17	5.1	2.7	2.2	1.6	11	3.1
12	2.7	1.7	2.7	1.9	1.5	3.5	2.5	2.4	2.0	1.5	7.0	2.5
13	1.9	1.7	3.0	1.9	1.5	2.8	2.4	2.1	1.9	1.6	1.9	2.3
14	1.9	1.6	3.1	3.6	2.1	2.3	2.3	2.1	1.8	1.7	2.5	2.3
15	3.2	1.5	2.5	2.1	3.0	2.2	2.2	1.8	1.6	14	1.8	2.2
16	2.5	1.7	2.4	2.1	14	2.0	2.7	4.6	1.5	9.2	34	2.2
17	18	1.6	2.4	2.3	2.8	1.9	2.8	2.6	1.5	2.2	40	2.0
18	14	1.7	2.3	1.9	2.4	1.9	2.3	2.1	1.5	1.7	118	2.0
19	2.9	1.7	2.2	1.7	2.3	2.9	2.2	2.1	3.2	1.6	10	2.0
20	2.6	1.7	2.2	1.8	2.1	2.3	2.2	1.7	3.5	1.4	6.6	1.8
21	2.4	1.7	2.3	1.7	2.0	2.1	2.1	1.6	2.0	1.2	7.4	1.8
22	2.2	5.2	2.1	1.7	1.9	2.1	2.1	1.4	1.7	1.1	4.8	2.0
23	2.1	15	2.2	3.8	1.9	2.8	2.0	1.4	2.6	2.6	4.1	2.2
24	2.0	3.2	2.1	4.1	1.7	2.0	2.1	1.4	2.5	1.9	3.7	1.6
25	2.0	2.3	1.8	2.3	2.0	1.9	2.5	1.4	1.7	1.4	3.9	1.7
26	2.0	2.1	1.8	2.1	3.8	3.4	2.1	1.4	1.6	1.4	3.7	3.8
27	1.9	2.0	1.7	2.0	2.2	8.5	1.9	1.4	1.7	2.4	3.6	2.4
28	2.1	1.9	1.7	2.0	2.1	3.1	1.9	1.4	1.7	1.3	3.4	2.1
29	3.6	1.9	22	1.9	2.0	2.6	1.9	1.2	1.4	1.1	2.9	1.8
30	1.7	1.8	4.7	1.9	---	2.4	1.8	1.1	1.3	1.0	2.9	1.7
31	1.8	---	2.8	1.9	---	2.7	---	27	---	8.0	2.8	---
TOTAL	99.8	75.2	140.2	70.6	71.1	92.5	67.5	90.7	122.8	88.8	294.5	74.9
MEAN	3.22	2.51	4.52	2.28	2.45	2.98	2.25	2.93	4.09	2.86	9.50	2.50
MAX	18	15	30	4.1	14	17	5.1	27	37	14	118	7.0
MIN	1.7	1.5	1.7	1.7	1.5	1.8	1.8	1.1	1.3	1.0	1.1	1.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	10.6	11.8	12.5	13.6	14.8	16.5	18.1	16.5	14.3	12.7	12.3	10.8
MAX	27.3	29.6	23.8	37.0	28.8	31.7	36.2	34.2	34.3	34.7	39.6	34.0
(WY)	1956	1956	1955	1978	1949	1953	1980	1958	1984	1984	1955	1960
MIN	.75	.66	1.36	1.72	2.03	2.98	2.02	2.93	1.56	.21	.48	.42
(WY)	1987	1966	1966	1967	1967	1992	1966	1992	1988	1966	1966	1965

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	2953.3		1288.6			
ANNUAL MEAN	8.09		3.52		13.7	
HIGHEST ANNUAL MEAN					23.3	1961
LOWEST ANNUAL MEAN					2.51	1966
HIGHEST DAILY MEAN	182	Aug 19	118	Aug 18	375	Sep 12 1960
LOWEST DAILY MEAN	1.1	Aug 7	1.0	Jul 30	.00	Aug 26 1971
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 2	1.3	May 24	.00	Aug 15 1988
INSTANTANEOUS PEAK FLOW			449	Aug 18	848	Jul 29 1980
INSTANTANEOUS PEAK STAGE			2.44	Aug 18	4.38a	Sep 12 1960
INSTANTANEOUS LOW FLOW			.86	Jul 30	.00b	Aug 26 1971
10 PERCENT EXCEEDS	14		4.4		24	
50 PERCENT EXCEEDS	5.5		2.1		12	
90 PERCENT EXCEEDS	1.9		1.6		2.3	

a Datum then in use.
b Also occurred on Aug 15-23 1988.

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 04...	0725	2.2	344	6.5	16.5	766	7.3	15	3.8
JAN 13...	0845	1.9	375	6.5	6.5	760	9.0	16	3.9
APR 07...	1000	1.9	436	6.7	10.0	764	10.2	17	3.9
JUL 20...	0900	1.5	288	6.6	20.0	763	6.4	14	3.3

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 04...	46	1.9	32	29	79	<0.10	6.8	0.014	1.20
JAN 13...	51	2.1	35	26	82	0.10	7.5	0.022	1.30
APR 07...	59	1.9	33	25	96	<0.10	6.0	0.014	1.20
JUL 20...	37	1.8	31	20	56	<0.10	5.7	0.017	0.810

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 04...	0.090	0.20	0.011	0.001	360	170	140	140	0.05
JAN 13...	0.080	<0.20	0.009	<0.001	440	200	270	280	0.07
APR 07...	0.040	<0.20	0.006	<0.001	410	110	230	270	0.06
JUL 20...	0.090	<0.20	0.016	0.004	460	300	170	150	0.07

01311000 PINES BROOK AT MALVERNE, NY

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

DRAINAGE AREA.--About 10 mi^2.

WATER-DISCHARGE RECORDS

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

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

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 22	2245	221	3.95	Aug. 16	1630	202	3.89
July 1	1430	208	3.91	Aug. 17	2400	*357	*4.33
July 15	1930	221	3.95				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	.16	.65	.27	.22	.24	.38	.23	.78	9.9	1.1	.18
2	.17	.16	1.4	.26	.21	.22	.36	.24	.22	.12	.08	.17
3	.16	.15	34	.27	.19	.22	.35	.22	.17	.35	.08	.86
4	.15	.15	4.7	.76	.20	.22	.35	.21	.15	3.7	.07	.18
5	.19	.15	.41	.34	.20	.22	.32	.19	28	.13	.06	.17
6	.16	.16	.39	.30	.20	.22	.31	.19	5.5	2.5	.06	.17
7	.15	.17	.31	.27	.22	5.5	.42	.19	.28	.11	.05	.19
8	.15	.17	.28	.26	.23	.53	.35	11	.51	.11	.05	.17
9	.15	.17	.38	.40	.20	.26	.38	1.2	.40	10	.29	.17
10	.16	.19	3.6	.30	.20	2.8	.36	3.7	.24	.13	.16	2.5
11	.23	1.3	.31	.27	.20	12	5.2	.27	.22	.11	13	.19
12	.39	.17	.27	.25	.19	.32	.34	.24	.20	.09	.23	.15
13	.24	.17	.47	.27	.20	.27	.31	.22	.20	.09	.09	.15
14	.22	.17	.46	2.2	.30	.26	.29	.21	.20	.10	.28	.15
15	1.4	.16	.28	.46	8.6	.25	.27	.19	.19	15	.09	.15
16	.30	.16	.27	.43	6.9	.23	.64	7.7	.18	.54	26	.15
17	18	.15	.28	.40	.28	.29	.64	1.1	.17	.13	21	.14
18	3.8	.16	.27	.26	.29	.31	.38	.60	.16	.11	34	.13
19	.19	.17	.24	.24	.34	.54	.26	.21	12	.10	.77	.14
20	.15	.18	.24	.24	.29	.42	.26	.21	.31	.09	.57	.13
21	.13	.20	.26	.23	.37	.35	.27	.19	.13	.08	.48	.13
22	.14	20	.24	.22	.30	.36	.27	.18	.12	.07	.44	.22
23	.15	4.9	.24	7.6	.28	.52	.25	.17	.11	2.1	.39	.23
24	.14	.45	.25	1.4	.27	.34	.31	.17	.34	.10	.35	.11
25	.13	.55	.24	.68	.33	.34	.29	.18	.11	.09	.33	.12
26	.13	.54	.24	.75	2.2	8.3	.26	.19	.09	.10	.30	2.8
27	.14	.52	.24	.93	.29	7.1	.25	.18	.09	.18	.27	.34
28	.15	.54	.24	.72	.27	.65	.24	.16	.08	.09	.26	.19
29	.15	.53	15	.23	.25	.56	.24	.14	.08	.08	.23	.15
30	.16	.53	.51	.27	---	.56	.24	.12	.07	.06	.21	.13
31	.16	---	.30	.25	---	.87	---	25	---	6.2	.20	---
TOTAL	28.11	33.18	66.97	21.73	24.22	45.27	14.77	55.00	51.30	52.56	101.49	10.66
MEAN	.91	1.11	2.16	.70	.84	1.46	.49	1.77	1.71	1.70	3.27	.36
MAX	18	20	34	7.6	8.6	12	5.2	25	28	15	34	2.8
MIN	.13	.15	.24	.22	.19	.22	.24	.12	.07	.06	.05	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	2.67	3.12	3.24	3.54	3.80	4.42	4.77	4.37	3.74	3.32	3.16	2.77
MAX	9.41	7.49	7.22	11.4	10.9	12.2	14.0	10.3	11.7	11.0	11.7	11.2
(WY)	1939	1952	1945	1949	1949	1939	1939	1939	1984	1948	1955	1938
MIN	.000	.050	.019	.051	.099	.21	.31	.41	.027	.001	.002	.002
(WY)	1983	1966	1986	1967	1983	1981	1966	1987	1971	1966	1981	1965

01311000 PINES BROOK AT MALVERNE, NY--Continued

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	979.77		505.26			
ANNUAL MEAN	2.68		1.38		3.51	
HIGHEST ANNUAL MEAN					8.35	1939
LOWEST ANNUAL MEAN					.52	1966
HIGHEST DAILY MEAN	68	Aug 19	34	Dec 3	126	Sep 12 1960
LOWEST DAILY MEAN	.11	Aug 18	.05	Aug 7	.00	Many days
ANNUAL SEVEN-DAY MINIMUM	.14	Sep 7	.06	Aug 2	.00	Many years
INSTANTANEOUS PEAK FLOW			357a	Aug 17	660a	Jun 30 1984
INSTANTANEOUS PEAK STAGE			4.33	Aug 17	5.11	Jun 30 1984
INSTANTANEOUS LOW FLOW			.05b	Aug 7	.00	Many days
10 PERCENT EXCEEDS	5.1		2.3		8.0	
50 PERCENT EXCEEDS	1.3		.24		2.2	
90 PERCENT EXCEEDS	.16		.12		.00	

a From rating curve extended above 220 ft^3/s.
b Also occurred on Aug 8,9.

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 02...	1210	0.15	301	7.6	17.0	765	9.7	24	5.1
JAN 07...	1345	0.27	296	7.0	10.0	760	9.9	24	5.2
APR 07...	0835	0.31	316	6.8	10.5	765	10.8	25	5.5
JUL 20...	1000	0.09	330	8.0	21.0	753	10.5	25	5.3

DATE	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 02...	27	4.5	54	40	40	<0.10	8.5	0.017	2.60
JAN 07...	23	3.8	46	37	35	0.20	8.3	0.020	3.20
APR 07...	24	4.0	44	34	40	<0.10	7.5	0.012	3.00
JUL 20...	31	6.7	64	31	39	<0.10	7.1	0.015	2.30

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT 02...	0.030	0.10	0.034	0.020	210	26	240	150	0.07
JAN 07...	0.050	<0.20	0.014	0.007	160	34	190	180	0.08
APR 07...	0.040	<0.20	0.014	0.002	300	37	220	190	0.06
JUL 20...	0.040	<0.20	0.186	0.148	50	28	120	100	0.09

01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi^2.

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.25	.00	.00	.06	.00	e1.0	3.6	1.5	.02
2	.00	.00	.00	.20	.00	.00	.02	.00	.12	.61	.13	.05
3	.00	.00	3.9	.19	.00	.00	.00	.00	.09	.10	.04	.16
4	.00	.00	5.1	.24	.00	.00	.00	.00	.04	.99	.01	.14
5	.00	.00	1.5	.02	.00	.00	.00	.00	10	.18	.01	.09
6	.00	.00	.77	.00	.00	.00	.00	.00	6.4	.83	.00	.05
7	.00	.00	.47	.00	.00	.36	.00	.00	.36	.11	.00	.06
8	.00	.00	.31	.00	.00	.55	.00	1.7	.22	.05	.00	.11
9	.00	.00	.22	.50	.00	.10	.00	3.4	.14	6.2	.00	.03
10	.00	.00	.40	.32	.00	.14	.00	1.9	.03	.38	.00	.12
11	.00	.00	.25	.10	.00	7.4	2.4	.64	.00	.12	4.7	.06
12	.00	.00	.18	.03	.00	.47	.31	.19	.00	.02	1.7	.00
13	.00	.00	.16	.02	.00	.16	.10	.19	.00	.00	.02	.00
14	.00	.00	.12	.55	.00	.06	.00	.26	.00	.00	.08	.72
15	.00	.00	.07	.51	.73	.04	.00	.08	.00	4.4	.09	.00
16	.00	.00	.03	.31	5.1	.00	.10	2.7	.00	3.0	12	.00
17	.95	.00	.02	.15	.28	.00	.14	.60	.00	.21	8.4	.00
18	3.1	.00	.01	.09	.13	.00	.10	.14	.00	.04	29	.00
19	.71	.00	.00	.02	.02	.00	.08	.01	5.2	.01	1.1	.00
20	.12	.00	.00	.00	.00	.00	.03	.00	1.9	.00	.46	.00
21	.02	.00	.68	.00	.00	.00	.05	.00	.25	.00	.21	.00
22	.00	.42	.40	.00	.00	.00	.17	.00	.14	.00	.15	.00
23	.00	3.6	.19	1.1	.00	.02	.09	.00	.04	.15	.14	.00
24	.00	.53	.16	1.8	.00	.00	.01	.00	.07	.02	.22	.00
25	.00	.09	.08	.25	.00	.00	.04	.00	.01	.00	.20	.00
26	.00	.00	.05	.16	.30	.86	.00	.00	.00	.00	.19	.00
27	.00	.00	.01	.09	.15	4.4	.00	.00	.05	.00	.22	.00
28	.00	.00	.00	.05	.07	.34	.00	.00	.06	.00	.17	.00
29	.00	.00	2.3	.03	.02	.17	.00	.00	.08	.00	.11	.00
30	.00	.00	1.4	.01	---	.14	.00	.00	.15	.00	.06	.00
31	.00	---	.53	.00	---	.12	---	e6.5	---	.39	.03	---
TOTAL	4.90	4.64	19.31	6.99	6.80	15.33	3.70	18.31	26.35	21.41	60.94	1.61
MEAN	.16	.15	.62	.23	.23	.49	.12	.59	.88	.69	1.97	.054
MAX	3.1	3.6	5.1	1.8	5.1	7.4	2.4	6.5	10	6.2	29	.72
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1992, BY WATER YEAR (WY)

MEAN	1.68	1.98	1.87	2.10	2.12	2.37	2.92	2.49	1.97	1.67	2.04	1.81
MAX	10.8	10.9	9.18	9.37	9.91	10.2	12.0	12.3	8.43	8.32	16.8	11.6
(WY)	1959	1956	1956	1956	1955	1956	1958	1958	1956	1956	1955	1954
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1966	1966	1966	1966	1980	1981	1981	1981	1966	1966	1965	1982

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1954 - 1992	
ANNUAL TOTAL	441.44		190.29			
ANNUAL MEAN	1.21		.52		2.05	
HIGHEST ANNUAL MEAN					8.86	1956
LOWEST ANNUAL MEAN					.11	1966
HIGHEST DAILY MEAN	34	Aug 19	29	Aug 18	140	Aug 12 1955
LOWEST DAILY MEAN	.00	Many days	.00	Many days	.00	Many days
ANNUAL SEVEN-DAY MINIMUM	.00	Many days	.00	Many days	.00	Many years
INSTANTANEOUS PEAK FLOW			95	Aug 18	294a	Jun 30 1984
INSTANTANEOUS PEAK STAGE			2.35	Aug 18	5.78	Jun 30 1984
INSTANTANEOUS LOW FLOW			.00	Many days	.00	Many days
10 PERCENT EXCEEDS	2.4		.89		6.5	
50 PERCENT EXCEEDS	.40		.01		.14	
90 PERCENT EXCEEDS	.00		.00		.00	

a From rating curve extended above 130 ft^3/s.

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 1992

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.	--	1953-92	11-13-91 4- 8-92 9-25-92	0.79 1.1 .51
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.	--	1953-92	11-13-91 4- 8-92 9-25-92	.40 .68 .27
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.	--	1953-92	11-13-91 4- 8-92 9-25-92	1.1 .69 .93
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft west on New York Ave., 1 mi northeast of Huntington.	--	1953-92	11-13-91 5-11-92	2.8 2.1
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mi east of Centerport, and 1.5 mi southwest of Northport.	--	1953-92	11-13-91 5-11-92	1.4 1.3
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.	--	1977-92	11-13-91 5-11-92	.93 .95
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 mi northwest of East Hauppauge, and 4.0 mi upstream from gaging station near Smithtown.	--	1972-87 1989-92	11-14-91 5-12-92	.28 .55
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 1979-92	11-14-91 5-12-92	1.8 1.9
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.	--	1972-92	11-14-91 5-12-92	1.7 2.1

Discharge measurements made at low-flow partial-record stations during water year 1992--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brooksite Drive, 0.75 mi southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown.	--	1953-92	11-14-91 5-12-92	3.4 3.8
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.	--	1972-92	11-14-91 5-12-92	26. 26.
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.	--	1974-92	11-14-91 5-12-92	43. 49.
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.	--	1977-92	11-15-91 6-26-92	2.5 2.3
01304060	Unnamed tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft downstream from pond below Old Field Road, at Setauket.	--	1977-92	11-15-91 6-26-92	1.9 1.5
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.	--	1977-92	11-15-91 6-26-92	.45 .36
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.	--	1977-92	11-15-91 6-26-92	.48 .40
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi west of Wading River.	--	1953-62 1964-83 1985-86 1989-92	11-15-91 7-24-92	.79 .68
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°48'17", Suffolk County, 25 ft downstream from dirt road at outlet of Fresh Pond, 0.7 mi northwest of Baiting Hollow.	--	1977-92	11-15-91 7-24-92	.60 .69
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 1951-92	11-15-91 7-22-92	2.8 .96
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.	--	1976-92	11-15-91 7-22-92	34. 27.
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.	--	1952-92	11-15-91 7-24-92	4.1 3.7
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 1973-92	11-17-91 7-24-92	2.1 1.7

Discharge measurements made at low-flow partial-record stations during water year 1992--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 1971-92	11-14-91 9-24-92	1.1 1.2
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.	--	1958-92	11-14-91 9-24-92	.40 .41
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 1973-92	11-14-91 9-24-92	.05 .07
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 1988-92	11-14-91	1.9
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mi northeast of East Quogue.	--	1974-92	1-29-92 7-10-92 9-29-92	1.2 1.4 .73
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 1974-92	1-29-92 7-10-92 9-29-92	1.7 1.9 1.6
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	--	1959-88 1990-92	1-29-92 7-10-92 9-29-92	1.4 1.3 .52
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft northwest of State Highway 27A, and 1 mi northwest of Westhampton.	--	1953-88 1990-92	1-29-92 7-10-92 9-29-92	1.5 2.1 .53
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.	--	1974-92	1-29-92 7-10-92 9-29-92	.88 1.3 .44
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.	--	1953-92	1-29-92 7-10-92 9-29-92	4.4 4.5 3.2
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 1974-92	1-29-92 8- 4-92 9-29-92	2.3 2.9 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 1952-92	8- 4-92 9-16-92	6.5 5.6

Discharge measurements made at low-flow partial-record stations during water year 1992--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.	--	1947-92	1-28-92 9-21-92	.93 .30
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.	--	1973-92	1-28-92 9-21-92	11. 6.5
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.	--	1973-92	1-28-92 9-21-92	16. 12.
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.	--	1973-92	1-28-92 9-21-92	54. 47.
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 mi east of Patchogue.	--	1947-69 1971-92	5-13-92 9-16-92 9-28-92	2.7 3.3 1.6
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-92	5-13-92	11.
01306000c/	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	b13.5	1946-69* 1970-73 1974-76* 1977-92	5-13-92	20.
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.	--	1953-92	5-13-92 9-21-92	3.8 3.5
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft southeast of Smithtown Blvd., 0.2 mi west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79 1981-86 1988-89 1991-92	5-13-92 7-22-92	.75 .71
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 1973-92	4- 7-92 9-15-92	27. 27.
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft downstream from State Highway 27, 1.5 mi northwest of Oakdale.	--	1944-69 1971-92	5-14-92 9-21-92	24. 21.

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

Discharge measurements made at low-flow partial-record stations during water year 1992--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01307000c/	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad Railroad bridge, 220 ft downstream from Moffitt Boulevard, at Islip.	b8.5	1948-69* 1970-86 1991-92	5-18-92 9-28-92	4.2 3.1
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 1974-92	5-14-92	1.6
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.	--	1948-92	5-14-92	.87
01307500c/	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	b5	1945-76* 1977-92	5-15-92	5.2
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-92	5-14-92 9-28-92	1.3 .86
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 1973-92	5-22-92	1.1
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 1971-92	5-22-92	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 1969-92	5-22-92 7-30-92	5.8 11.
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mi downstream from gaging station at Babylon.	--	1968-85 1987-92	5-15-92 7-30-92	19. 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.	b7	1947-69* 1970-92	5-11-92 9-27-92	.98 .51
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 1971-92	5-12-92 9-27-92	5.7 3.0

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

Discharge measurements made at low-flow partial-record stations during water year 1992--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 1952-92	5-12-92 9-27-92	3.3 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 1971-92	5-12-92 9-27-92	1.2 .67
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.	--	1953-92	5-11-92 9-27-92	1.4 .82
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville.	--	1949 1953-69 1971-88 1990-92	4-13-92 9- 9-92 9-27-92	4.6 5.9 5.9
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 1980-92	4-10-92 7-29-92	.19 .05
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 1973-92	4-10-92 7-29-92	.54 .02
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 1973-92	4-10-92 7-29-92	1.7 .71
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.	--	1953-92	4-13-92 9- 9-92	.99 .77
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 1983-92	4-13-92 9- 9-92	2.9 2.6
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.	--	1973-92	4-16-92 7-30-92	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.	--	1973-92	4-16-92 7-30-92	.12 0
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	--	1963-92	4-13-92 8-26-92	.32 .65

Discharge measurements made at low-flow partial-record stations during water year 1992--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 1965-92	4-13-92 8-26-92	3.7 4.4
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.	--	1973-92	4-23-92	.54
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.	--	1973-92	4-23-92	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.	--	1973-92	4-23-92 9-17-92	0 0
01310510	East Meadow Pond Outlet at Freeport, N.Y.	Lat 40°39'32", long 73°34'01", Nassau County, 50 ft downstream from culvert at Sunrise Highway, and 0.5 mi downstream from gaging station 01310500.	--	1975-80 1986 1990-92	4-23-92 9-17-92	2.4 2.6
01310515	Freeport Creek at Freeport, N.Y.	Lat 40°39'28", long 73°34'22", Nassau County, 20 ft upstream from culvert at Sunrise Highway, and 0.5 mi downstream from gaging station 01310500.	--	1975-80 1986 1990-92	4-14-92 9-17-92	1.5 .92
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.	--	1953-92	4-14-92 8-26-92	1.9 2.5
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-81 1983-84 1986-88 1991-92	5-12-92 8-26-92	1.5 1.6
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.	--	1953-92	4-27-92 8-25-92	.27 .50
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.	--	1954-92	5-11-92 8-25-92	.67 1.1
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft downstream from West Branch, 500 ft downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft downstream from gaging station.	--	1953-92	2-11-92 4-27-92 8-25-92	0 .02 0

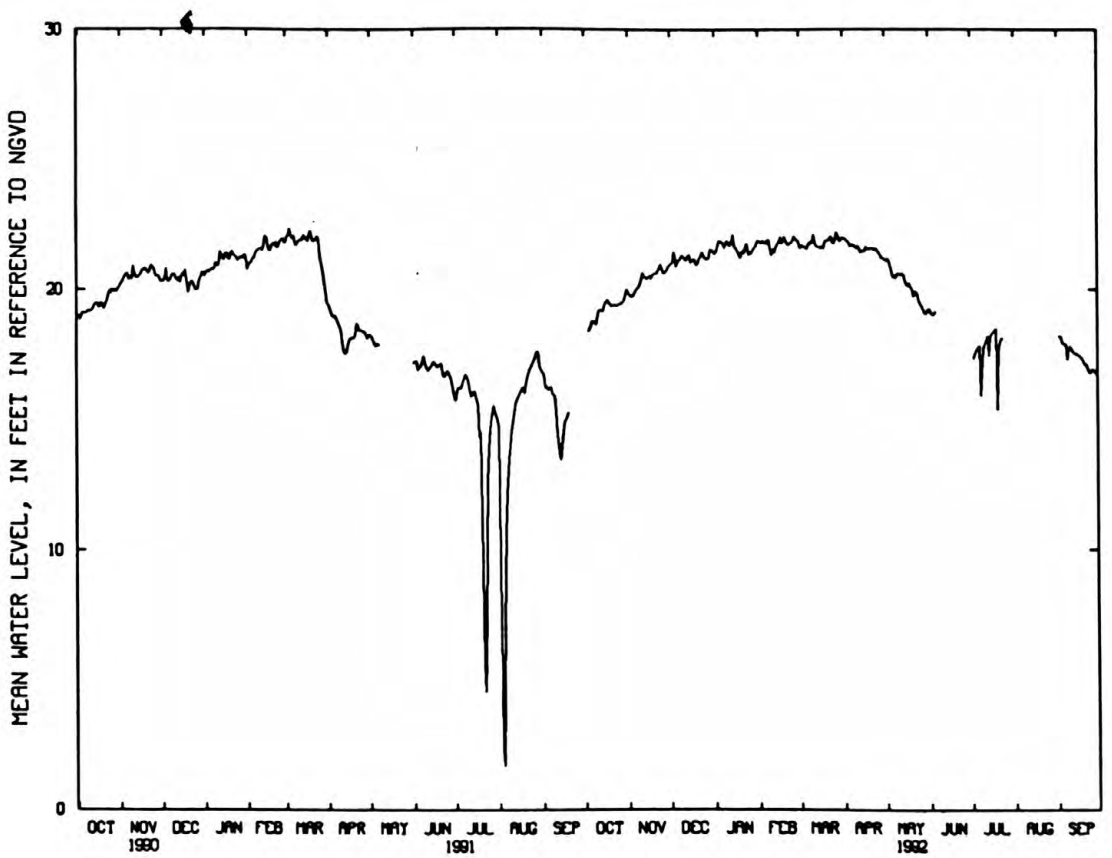
CONTINUOUS RECORDING STATIONS

404931073382101. Local number, N 110.1
LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Jericho Water District storage garage, 27 ft south of Scudders Lane, 32 ft west of Motts Cove Road, in recorder shelter, Glenwood Landing.
Owner: Jericho Water District.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 16 in., reported depth 519 ft, measured depth 324 ft, screened 445 to 515 ft.
INSTRUMENTATION.--Digital water-level recorder -- 30-minute punch.
DATUM.--Land-surface datum is 56.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel nipple, 0.44 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--January 1946 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft NGVD, December 15, 1970; lowest measured, -9.05 ft NGVD, May 22, 1957.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.55	19.81	20.90	21.85	21.81	21.65	21.80	20.80	19.09	17.67	---	17.92
10	18.87	20.40	21.28	21.89	21.35	21.86	21.60	20.61	---	17.75	---	17.78
15	19.38	20.45	21.05	21.64	21.78	21.65	21.47	20.32	---	18.20	---	17.49
20	19.35	20.62	20.99	21.44	21.92	21.91	21.56	20.03	---	15.38	---	17.15
25	19.42	20.79	21.28	21.34	21.90	21.76	21.53	19.59	---	---	---	16.82
EOM	19.99	20.93	21.45	21.90	21.84	21.99	21.16	19.20	---	---	---	16.67
MEAN	19.24	20.41	21.22	21.64	21.81	21.80	21.58	20.18	19.12	17.69	---	17.40
MAX	19.99	20.98	21.57	22.13	22.08	22.23	21.98	21.16	19.28	18.50	---	18.19
MIN	18.39	19.71	20.90	21.24	21.35	21.56	21.16	19.07	19.01	15.38	---	16.67

WTR YR 1992 MEAN 20.38 MAX 22.23 MIN 15.38



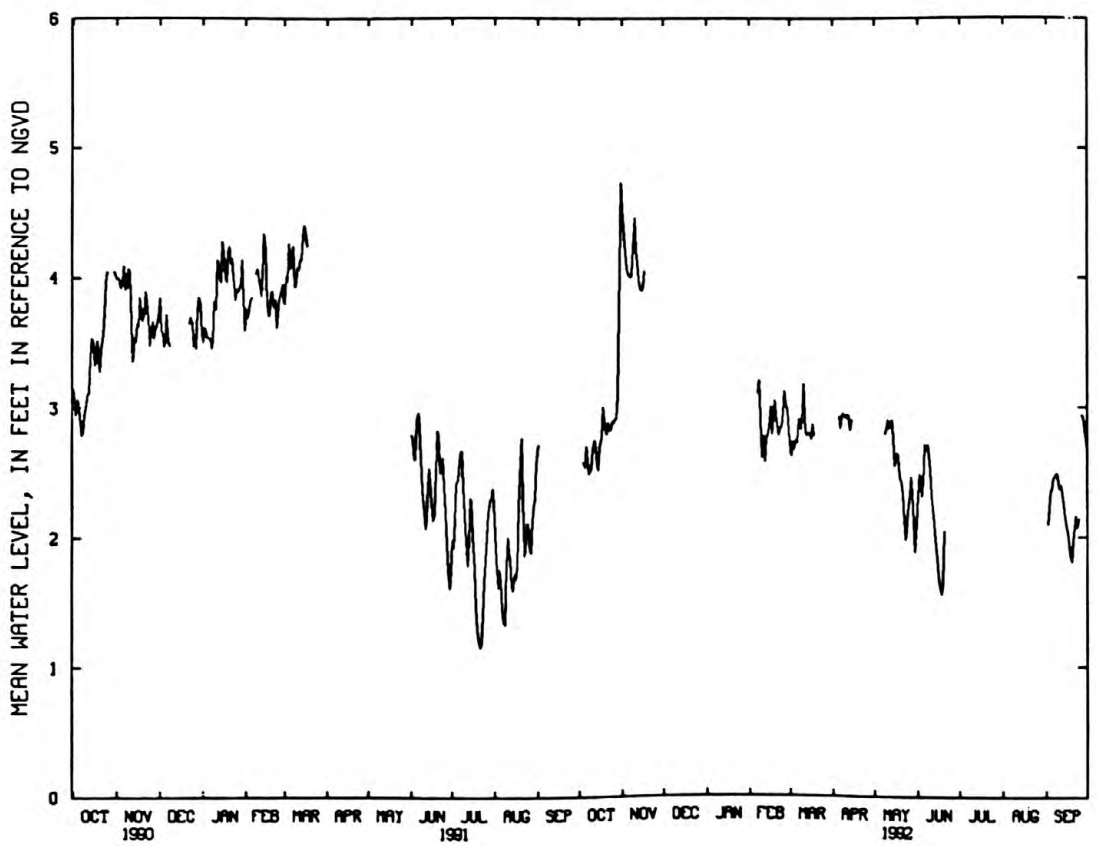
CONTINUOUS RECORDING STATIONS

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.54	4.03	---	---	---	2.74	2.92	---	2.40	---	---	2.36
10	2.52	4.46	---	---	2.61	2.97	2.90	2.89	2.50	---	---	2.37
15	2.52	3.90	---	---	2.84	2.79	---	2.53	1.83	---	---	2.08
20	2.84	---	---	---	2.94	---	---	2.40	2.04	---	---	1.97
25	2.90	---	---	---	2.96	---	---	2.18	---	---	---	---
EOM	4.73	---	---	---	2.81	---	---	2.09	---	---	---	2.67
MEAN	2.86	4.12	---	---	2.89	2.80	2.90	2.47	2.20	---	---	2.31
MAX	4.73	4.52	---	---	3.21	3.17	2.94	2.91	2.70	---	---	2.94
MIN	2.49	3.90	---	---	2.58	2.62	2.81	1.88	1.56	---	---	1.81

WTR YR 1992 MEAN 2.76 MAX 4.73 MIN 1.56



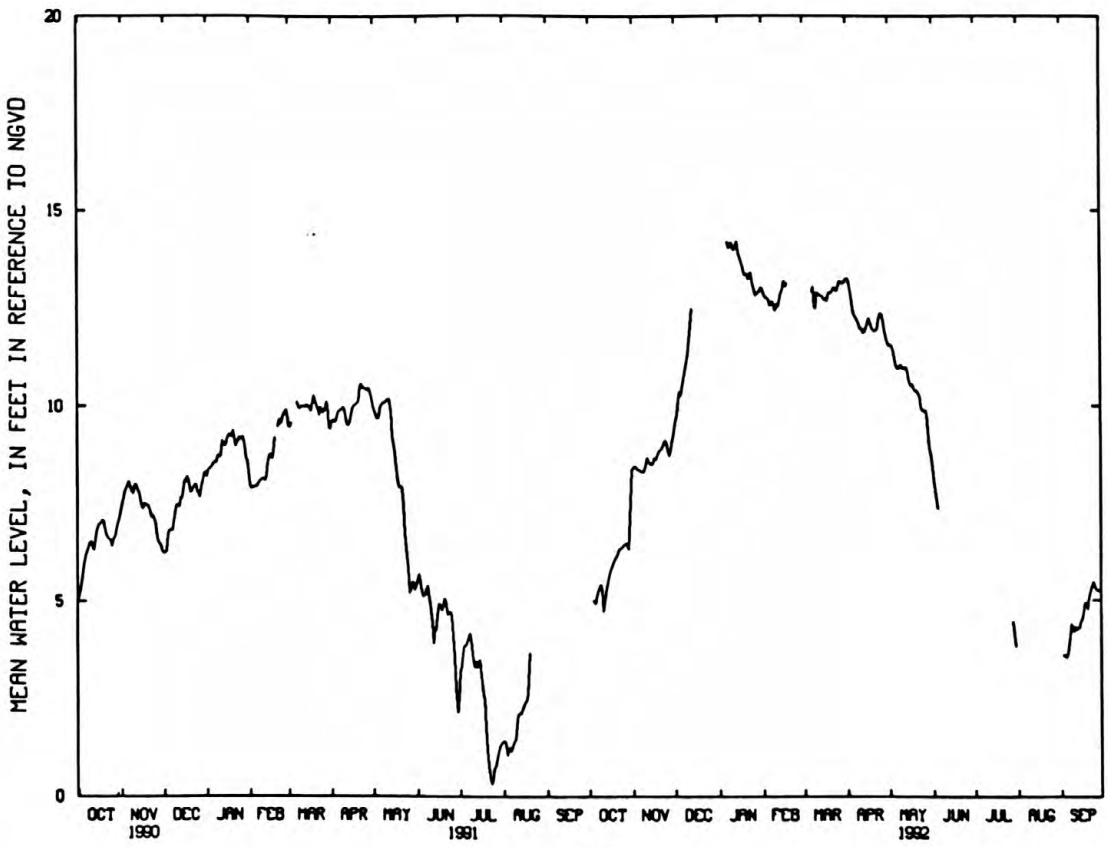
CONTINUOUS RECORDING STATIONS

404418073434101. Local number, Q 577.1
LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, in recorder shelter, Bellerose. Owner: State of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 640 ft, screen assumed at bottom.
INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.
DATUM.--Land-surface datum is 113.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 12-in. steel casing, 0.22 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--February 1946 to current year. Unpublished records from February 1946 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.34 ft NGVD, January 14, 1992; lowest measured, -18.66 ft NGVD, July 30, 1954.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.92	8.35	10.28	---	12.73	---	12.62	11.22	7.36	---	---	3.53
10	5.27	8.51	11.34	14.20	12.45	12.50	12.02	11.02	---	---	---	4.18
15	5.63	8.53	---	13.94	12.95	12.78	12.00	10.68	---	---	---	4.46
20	6.12	8.86	---	13.40	---	12.89	11.93	10.35	---	---	---	4.76
25	6.42	9.05	---	13.11	---	12.92	12.34	9.88	---	---	---	5.37
EOM	8.35	9.32	---	13.05	---	13.23	11.63	8.67	---	---	---	5.26
MEAN	5.91	8.67	10.84	13.56	12.79	12.90	12.21	10.52	7.85	4.13	---	4.58
MAX	8.35	9.32	12.50	14.23	13.20	13.23	13.25	11.54	8.40	4.43	---	5.47
MIN	4.73	8.30	9.57	12.85	12.45	12.50	11.63	8.67	7.36	3.81	---	3.53

WTR YR 1992 MEAN 9.85 MAX 14.23 MIN 3.53



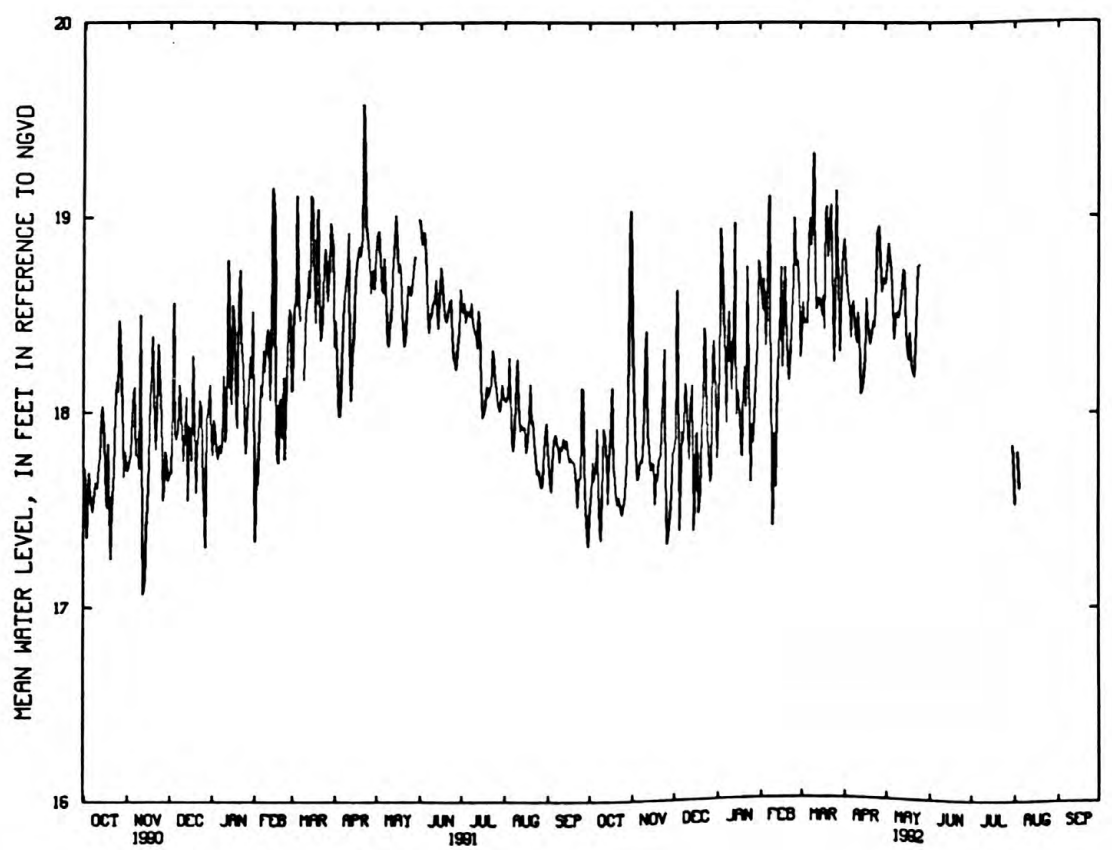
CONTINUOUS RECORDING STATIONS

403727073154601. Local number, S 21091.1
LOCATION.--Lat 40°37'27", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,921 ft, screened 1,918 to 1,921 ft.
INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 13.68 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--September 1962 to current year. Unpublished records from September 1962 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft NGVD, March 16, 1976; lowest measured, 15.13 ft NGVD, June 2, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.72	17.66	17.40	18.78	18.35	18.47	18.53	18.72	---	---	---	---
10	17.56	18.30	18.10	18.52	17.42	19.03	18.35	18.47	---	---	---	---
15	17.75	17.74	17.40	17.99	18.43	18.59	18.18	18.40	---	---	---	---
20	17.55	17.75	17.59	18.15	18.51	19.06	18.34	18.18	---	---	---	---
25	17.51	17.69	17.99	17.65	18.68	18.26	18.91	18.74	---	---	---	---
EOM	19.03	17.79	18.12	18.78	18.63	18.76	18.68	---	---	17.69	---	---
MEAN	17.75	17.81	17.93	18.24	18.45	18.68	18.52	18.51	---	17.75	17.63	---
MAX	19.03	18.45	18.62	18.97	19.11	19.33	18.95	18.86	---	17.81	17.78	---
MIN	17.34	17.33	17.40	17.65	17.42	18.26	18.08	18.16	---	17.69	17.52	---

WTR YR 1992 MEAN 18.22 MAX 19.33 MIN 17.33



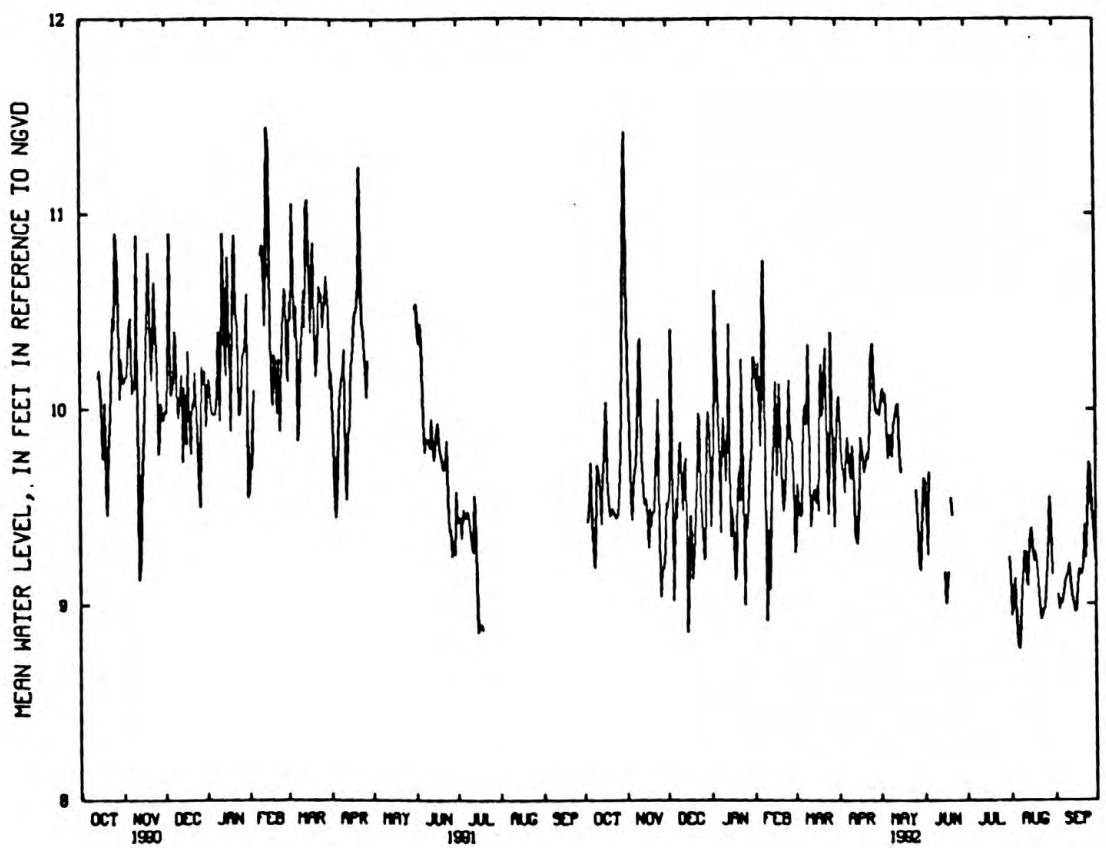
CONTINUOUS RECORDING STATIONS

403727073154503. Local number, S 21311.1
LOCATION.--Lat 40°37'28", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 721 ft, screened 711 to 721 ft.
INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 20.01 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1962 to current year. Unpublished records from November 1962 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft NGVD, January 25, 1979; lowest measured, 5.35 ft above NGVD, February 23, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.53	9.43	9.02	10.33	9.81	9.45	9.68	10.07	9.67	---	8.92	9.02
10	9.36	10.33	9.83	9.96	8.92	10.09	9.64	9.75	---	---	9.27	9.16
15	9.64	9.54	8.86	9.35	9.87	9.59	9.40	9.77	---	---	9.39	8.96
20	9.45	9.47	9.26	9.57	9.84	10.23	9.67	---	9.54	---	9.16	9.16
25	9.44	9.34	9.59	9.00	9.96	9.46	10.24	---	---	---	8.98	9.73
EOM	11.42	9.52	9.87	10.27	9.63	9.92	9.99	9.47	---	9.24	---	9.21
MEAN	9.69	9.65	9.55	9.71	9.84	9.75	9.79	9.78	9.38	9.24	9.13	9.20
MAX	11.42	10.68	10.41	10.61	10.76	10.39	10.33	10.10	9.67	9.24	9.55	9.73
MIN	9.19	9.04	8.86	9.00	8.92	9.27	9.31	9.17	9.00	9.24	8.77	8.96

WTR YR 1992 MEAN 9.60 MAX 11.42 MIN 8.77



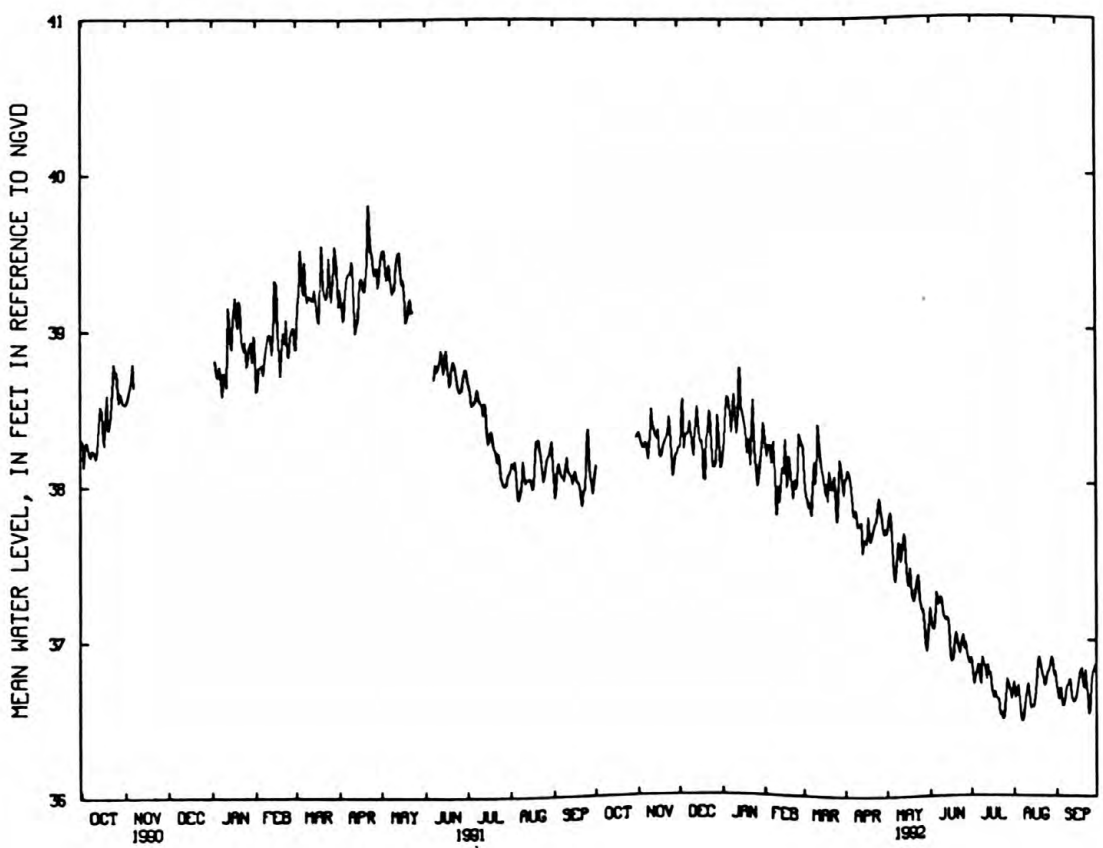
CONTINUOUS RECORDING STATIONS

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	38.25	38.24	38.57	38.24	37.85	37.90	37.59	37.13	36.79	36.61	36.58
10	---	38.32	38.33	38.58	37.79	38.05	37.72	37.62	37.25	36.85	36.67	36.74
15	---	38.31	38.40	38.49	38.05	38.03	37.62	37.45	37.09	36.79	36.57	36.63
20	---	38.26	38.03	38.28	38.10	38.02	37.65	37.26	37.06	36.62	36.86	36.70
25	---	38.36	38.26	38.21	37.98	37.74	37.90	37.27	37.04	36.51	36.78	36.55
EOM	38.32	38.21	38.10	38.38	38.21	38.01	37.71	37.08	36.86	36.68	36.80	36.79
MEAN	38.18	38.29	38.30	38.34	38.10	37.98	37.77	37.42	37.07	36.71	36.71	36.69
MAX	38.32	38.50	38.56	38.75	38.32	38.36	38.07	37.82	37.32	36.89	36.89	36.84
MIN	38.07	38.07	38.03	37.98	37.79	37.74	37.55	36.94	36.86	36.49	36.48	36.53

WTR YR 1992 MEAN 37.58 MAX 38.75 MIN 36.48



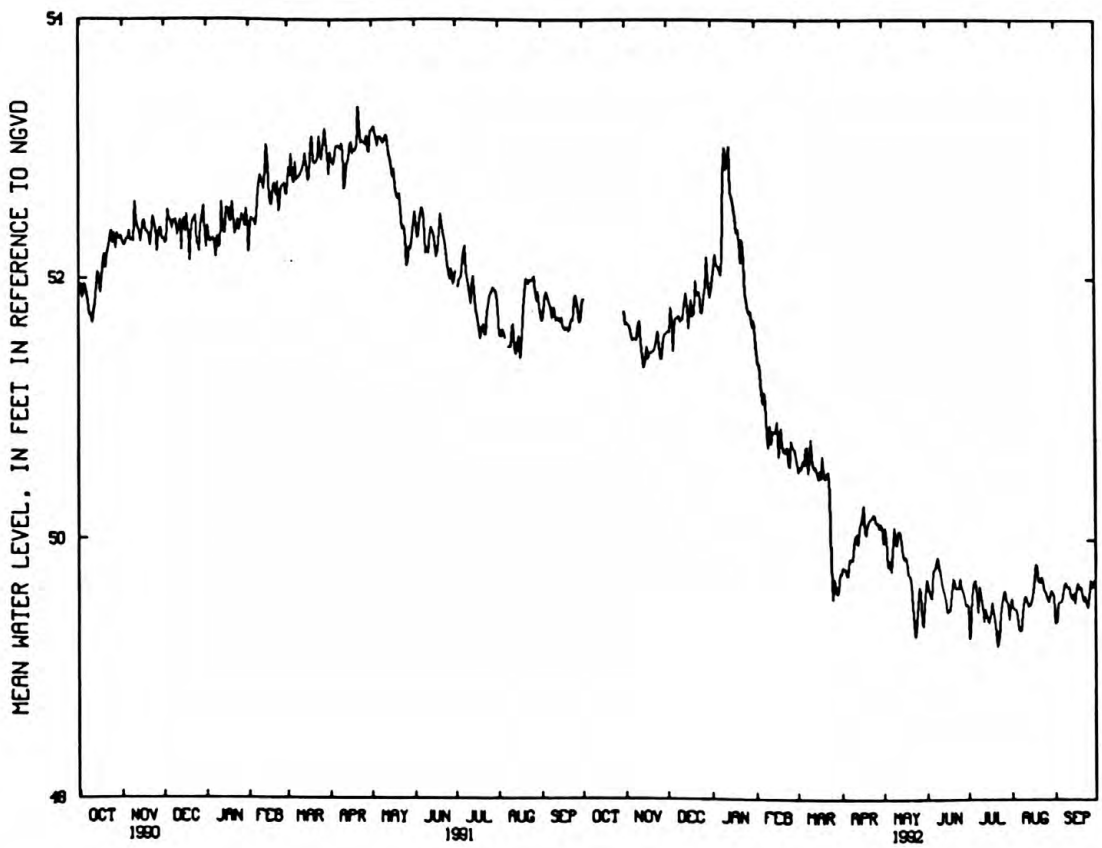
CONTINUOUS RECORDING STATIONS

404932073055902. Local number, S 33380.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 855 ft, screened 840 to 850 ft.
INSTRUMENTATION.--Digital water-level recorder -- 15-minute punch, changed to 30-minute on August 16, 1990.
DATUM.--Land-surface datum is 133.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.13 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft NGVD, April 27, 1979; lowest measured, 45.16 ft above NGVD, December 5, 1969.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	51.58	51.46	52.11	51.12	50.60	49.71	49.77	49.53	49.65	49.41	49.52
10	---	51.66	51.68	52.82	50.70	50.59	49.95	49.95	49.78	49.58	49.56	49.63
15	---	51.39	51.78	52.66	50.81	50.50	50.12	49.87	49.52	49.37	49.53	49.51
20	---	51.44	51.74	52.38	50.72	50.51	50.09	49.70	49.69	49.38	49.68	49.58
25	---	51.50	51.75	51.89	50.55	49.81	50.18	49.29	49.69	49.50	49.60	49.56
EOM	51.76	51.59	51.86	51.68	50.64	49.73	50.09	49.55	49.49	49.47	49.56	49.64
MEAN	51.82	51.53	51.78	52.24	50.87	50.34	50.00	49.74	49.62	49.45	49.55	49.58
MAX	51.85	51.69	52.17	53.02	51.55	50.76	50.25	50.08	49.85	49.68	49.81	49.69
MIN	51.76	51.33	51.46	51.63	50.55	49.53	49.71	49.24	49.43	49.17	49.29	49.36

WTR YR 1992 MEAN 50.44 MAX 53.02 MIN 49.17



404059073520702. Local number, K 1194.4
LOCATION.--Lat 40°40'59", long 73°52'07", Hydrologic Unit 02030202, at east side of Nichols Avenue, 100 ft north of Atlantic Avenue, New Lots. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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. Records for November 1970 to September 1987 are unpublished and are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.82 ft NGVD, September 16, 1992; lowest measured, -0.83 ft NGVD, November 2, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.87	DEC 17	11.25	FEB 19	9.93	APR 14	9.62	JUN 22	9.38	AUG 25	9.66
NOV 13	13.26	JAN 21	10.31	MAR 17	9.75	MAY 12	9.46	JUL 15	9.35	SEP 16	14.82

403939073542901. Local number, K 1265.1
LOCATION.--Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at west side of Thatford Avenue, 30 ft south of Riverdale Avenue, Brownsville. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 44 ft, screened 42 to 43 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in top of plug, 0.01 ft below 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, 21.53 ft NGVD, June 12, 1991; lowest measured, -11.55 ft NGVD, August 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	14.08	DEC 17	13.37	FEB 19	11.16	APR 14	10.40	JUN 22	9.74	AUG 25	9.37
NOV 13	14.19	JAN 21	11.66	MAR 17	10.77	MAY 12	10.10	JUL 15	9.58	SEP 16	9.36

404236073574601. Local number, K 1301.1
LOCATION.--Lat 40°42'35", long 73°57'48", Hydrologic Unit 02030201, at Williamsburgh Savings Bank, in basement, 84 ft north of Broadway and 178 ft west of Driggs Avenue, Williamsburgh. Owner: Williamsburg Savings Bank.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 6 in., depth 92 ft, screened 72 to 92 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 52.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in top of 4-in. steel plug, 9.03 ft below land-surface datum.
PERIOD OF RECORD.--January 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft NGVD, October 2, 1978; lowest measured, -7.72 ft NGVD, January 19, 1961.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.55	DEC 18	4.35	FEB 19	4.24	APR 14	4.16	JUN 23	3.87	AUG 25	4.06
NOV 14	4.41	JAN 22	4.23	MAR 18	4.13	MAY 12	4.17	JUL 15	3.97	SEP 16	4.11

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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.42	JAN 22	9.17	MAR 18	8.66	MAY 12	7.51	JUN 23	7.22	AUG 25	7.17
NOV 14	8.81	FEB 19	8.76	APR 14	8.23	JUN 15	6.95	JUL 15	10.35	SEP 16	7.22
DEC 18	9.05										

403902073552801. Local number, K 3246.1
LOCATION.--Lat 40°39'02", long 73°55'28", Hydrologic Unit 02030202, at north side of Snyder Avenue, 86 ft west of East 56th Street, East Flatbush. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 30 ft, screened 27 to 30 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 25.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.04 ft below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.62 ft NGVD, June 27, 1984; lowest measured, 7.27 ft NGVD, May 5, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.35	JAN 21	8.00	MAR 17	7.78	MAY 12	7.73	JUN 22	7.78	AUG 25	8.08
NOV 14	8.19	FEB 19	7.88	APR 14	7.76	JUN 12	7.75	JUL 15	7.88	SEP 16	8.01
DEC 17	8.08										

403623074002101. Local number, K 3249.1
LOCATION.--Lat 40°36'23", long 74°00'23", Hydrologic Unit 02030202, at east side of Bay 16th Street, 42 ft north of Benson Avenue, Bath Beach. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 34 ft, screened 31 to 34 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 31.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft NGVD, January 24, 1991; lowest measured, 3.16 ft NGVD, May 21, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.03	JAN 22	3.67	MAR 17	3.65	MAY 12	4.01	JUN 22	3.97	AUG 25	4.15
NOV 14	4.44	FEB 19	3.69	APR 14	3.77	JUN 10	4.01	JUL 15	4.16	SEP 16	4.03
DEC 18	4.65										

403520073575501. Local number, K 3251.1
LOCATION.--Lat 40°35'20", long 73°57'55", Hydrologic Unit 02030202, at north side of Avenue Y, 115 ft west of East 6th Street, Brighton Beach. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 23 ft, screened 20 to 23 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 9.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.06 below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.36 ft NGVD, June 26, 1984, and June 21, 1989; lowest measured, 2.56 ft NGVD, March 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	2.95	JAN 22	2.78	MAR 17	2.71	MAY 12	2.86	JUN 22	2.97	AUG 25	3.18
NOV 14	3.04	FEB 19	2.87	APR 14	2.73	JUN 10	2.94	JUL 15	3.10	SEP 16	3.04
DEC 17	2.89										

403702073555808. Local number, K 3252.1
LOCATION.--Lat 40°37'04", long 73°55'59", Hydrologic Unit 02030202, at east side of Hendrickson Street, 46 ft north of Quentin Avenue, Flatlands. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 30 ft, screened 27 to 30 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.68 ft NGVD, February 11, 1981; lowest measured, 0.68 ft NGVD, October 6, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	1.30	JAN 21	1.21	MAR 17	1.07	MAY 12	1.15	JUN 22	1.27	AUG 25	1.65
NOV 14	1.31	FEB 19	1.10	APR 14	1.16	JUN 11	1.22	JUL 15	1.37	SEP 16	1.46
DEC 17	1.33										

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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.29	JAN 22	5.34	MAR 17	4.86	MAY 12	4.95	JUN 22	4.91	AUG 25	5.32
NOV 14	5.23	FEB 19	4.98	APR 14	4.83	JUN 10	4.83	JUL 15	4.99	SEP 16	5.27
DEC 18	5.16										

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, 4.64 ft NGVD, July 15, 1992.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.02	JAN 21	4.83	MAR 17	5.66	MAY 12	4.69	JUN 22	4.78	AUG 25	5.18
NOV 14	4.95	FEB 19	4.77	APR 14	4.69	JUN 11	4.74	JUL 15	4.64	SEP 16	5.24
DEC 17	5.92										

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, northern most well, Park Slope. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 45 ft, screened 42 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.86 ft NGVD, March 16, 1984; lowest measured, 24.03 ft NGVD, March 29, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	26.05	DEC 18	26.63	FEB 19	25.17	APR 14	25.66	JUN 23	24.43	AUG 25	24.46
NOV 14	25.85	JAN 22	26.45	MAR 18	25.91	MAY 12	24.58	JUL 15	24.45	SEP 16	24.47

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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.62	DEC 17	4.53	FEB 19	4.39	APR 14	4.28	JUN 22	4.43	AUG 25	4.83
NOV 14	4.62	JAN 22	4.44	MAR 17	4.29	MAY 12	4.30	JUL 15	4.63	SEP 16	4.71

403737074011701. Local number, K 3275.1
LOCATION.--Lat 40°37'37", long 74°01'15", Hydrologic Unit 02030202, at east side of 6th Avenue, 19 ft south of 76th Street, Bay Ridge. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 76 ft, screened 73 to 76 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 67.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.05 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year. Unpublished records from June 1981 to September 1982 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.65 ft NGVD, January 5, 1984; lowest measured, 3.20 ft NGVD, April 28, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.46	JAN 22	4.08	MAR 17	4.10	MAY 12	4.25	JUN 22	4.14	AUG 25	4.41
NOV 14	4.62	FEB 19	4.26	APR 14	4.20	JUN 10	4.11	JUL 15	4.27	SEP 16	4.36
DEC 18	4.37										

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.78	JAN 22	5.72	MAR 18	5.66	MAY 12	5.59	JUN 23	5.37	AUG 25	5.29
NOV 14	5.84	FEB 19	5.83	APR 14	5.70	JUN 15	5.37	JUL 15	5.30	SEP 16	5.32
DEC 18	5.81										

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

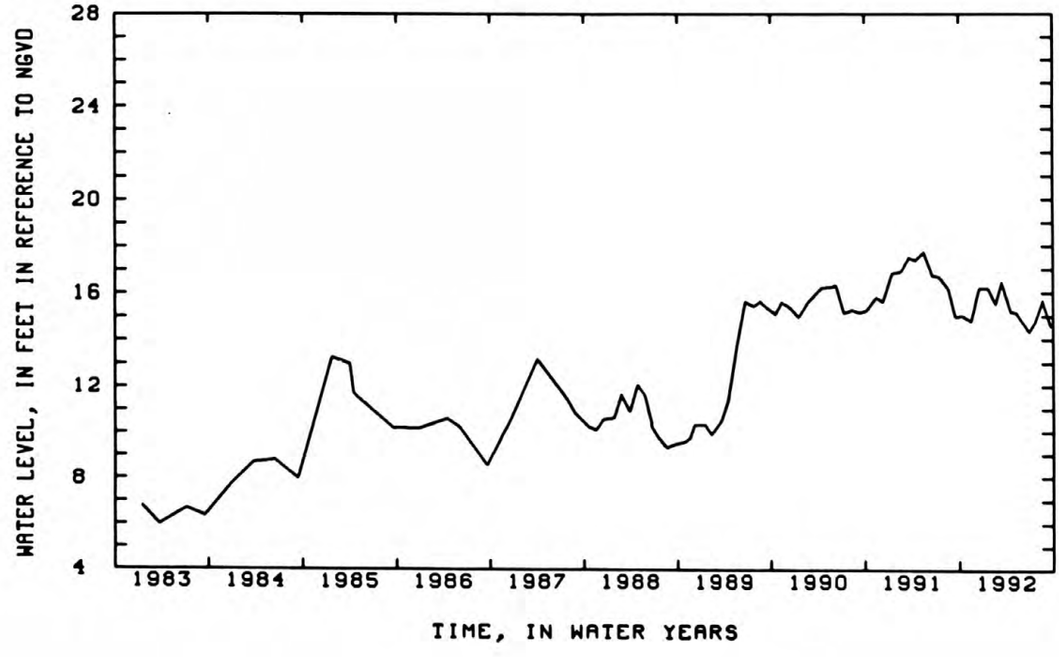
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	6.43	DEC 19	8.16	FEB 21	9.48	APR 21	9.43	JUN 29	7.42	AUG 20	6.37
NOV 18	7.44	JAN 23	9.19	MAR 16	9.42	MAY 12	9.16	JUL 27	6.42	SEP 22	6.31

404048073412602. Local number, N 9.1
LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Valley Stream State Park, 30 ft west of Corona Avenue, 650 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 138 ft, screened 98 to 138 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.08 ft above land-surface datum.
PERIOD OF RECORD.--July 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft NGVD, September 23, 1938; lowest measured, 5.95 ft NGVD, March 22, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

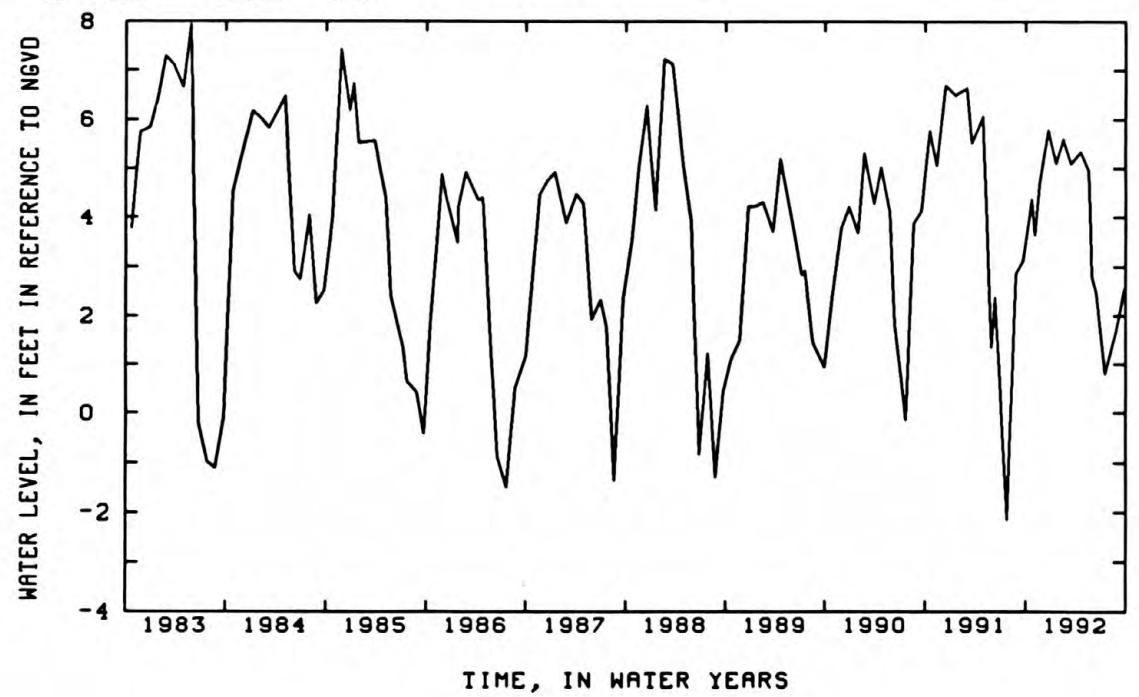
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	15.01	DEC 19	16.18	FEB 21	15.54	APR 21	15.18	JUN 29	14.35	AUG 20	15.66
NOV 18	14.79	JAN 23	16.20	MAR 16	16.45	MAY 12	15.16	JUL 24	14.80	SEP 22	14.59



405010073414901. Local number, N 35.1
LOCATION.--Lat 40°50'10", long 73°41'51", Hydrologic Unit 02030201, at Port Washington Water District Pumping Center, 115 ft south of Sandy Hollow Road, in recorder shelter, Port Washington. Owner: Port Washington Water District.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 16 in. to 6 in., depth 387 ft, screened 287 to 387 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--April 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft NGVD, January 31, 1958; lowest measured, -16.15 ft NGVD, July 29, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

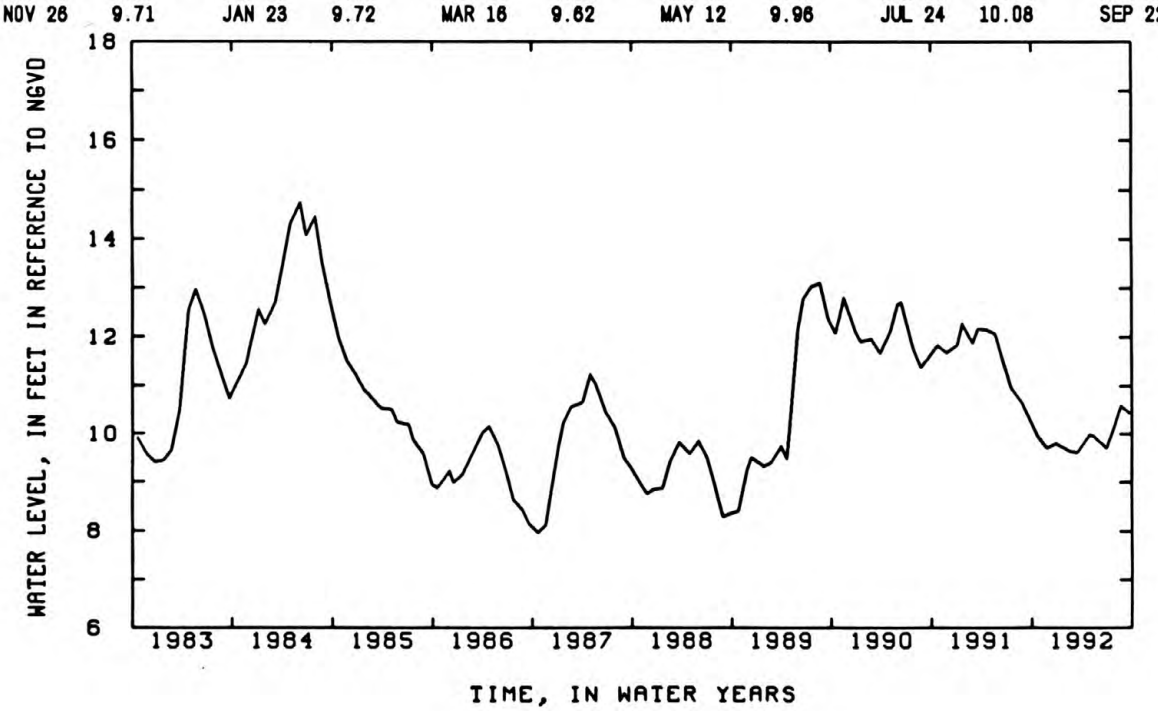
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.37	DEC 24	5.78	MAR 16	5.09	MAY 18	4.96	JUN 15	2.46	AUG 28	1.72
NOV 4	3.64	JAN 21	5.10	APR 20	5.34	29	2.81	JUL 16	0.81	SEP 25	2.55
21	4.67	FEB 18	5.61								



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.93	DEC 27	9.81	FEB 25	9.63	APR 30	9.98	JUN 29	9.71	AUG 20	10.59
NOV 26	9.71	JAN 23	9.72	MAR 16	9.62	MAY 12	9.96	JUL 24	10.08	SEP 22	10.44



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, 105 ft north of Sunrise Highway (Rt. 27) and west of Long Beach Avenue, Freeport. Owner: Village of Freeport.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 1052 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 12-in. steel casing, 1.0 ft below land-surface datum.
PERIOD OF RECORD.--December 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.95 ft NGVD, May 8, 1957; lowest measured, -3.76 ft NGVD, March 23, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	8.98	DEC 19	10.53	FEB 21	11.80	MAY 21	11.04	JUL 30	9.24	SEP 15	8.79
NOV 18	10.11	JAN 23	11.60	MAR 25	11.98	JUN 22	10.16	AUG 19	9.22		

404030073293703. Local number, N 180.2
LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Long Island Railroad track embankment, 200 ft north of Sunrise Highway (Rt. 27), west of Seaford-Oyster Bay Expressway (Rt. 135), Seaford. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 723 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 13.69 ft above land-surface datum.
PERIOD OF RECORD.--October 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft NGVD, June 6, 1952; lowest measured, 10.63 ft NGVD, July 1, 1986.

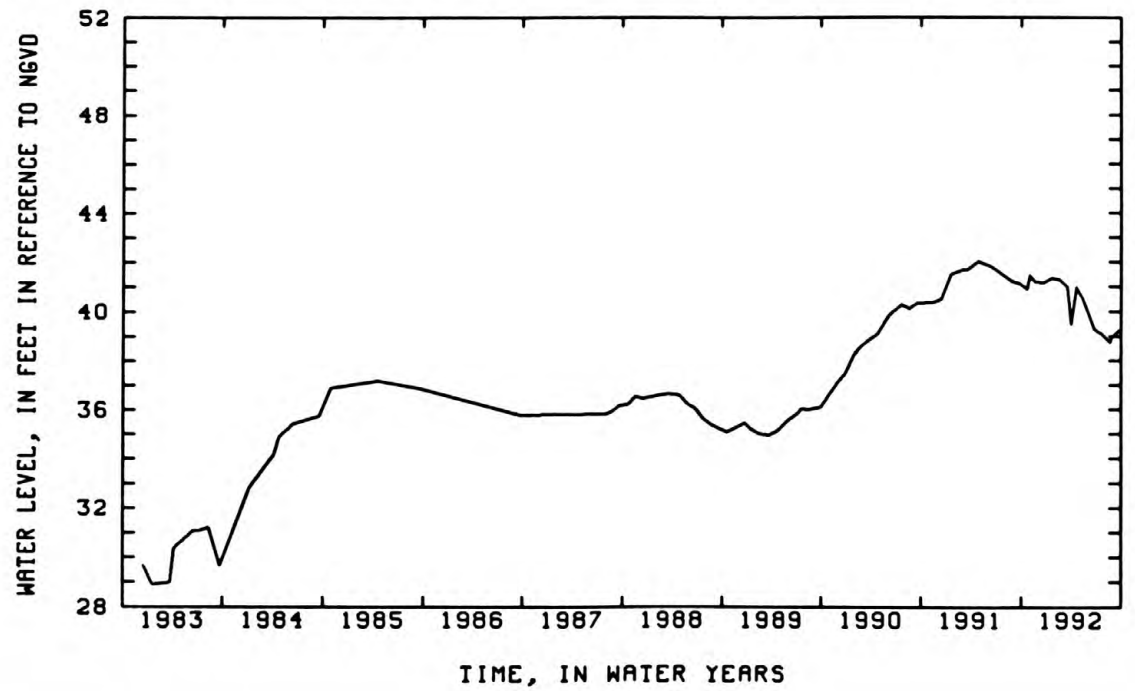
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	15.46	DEC 19	14.49	FEB 21	15.25	JUN 16	11.50	AUG 20	14.95	SEP 30	14.39
NOV 18	15.75	JAN 23	15.03	MAR 17	14.83	JUL 14	12.04				

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

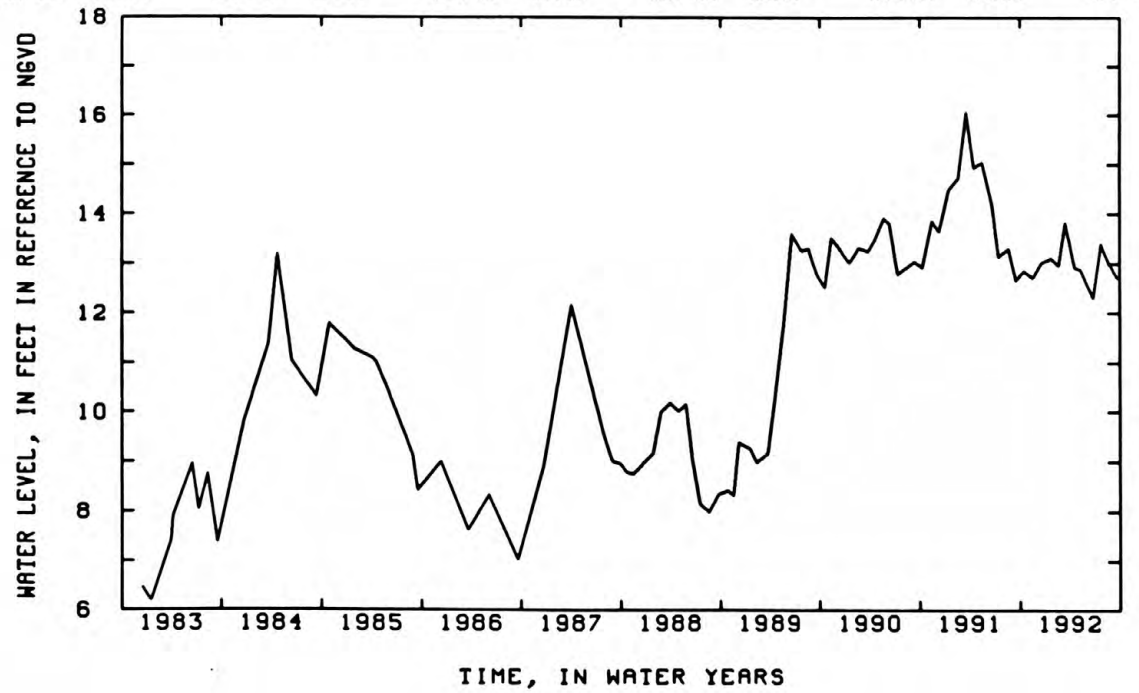
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	40.88	DEC 24	41.15	MAR 18	40.99	MAY 12	40.58	JUL 24	39.07	AUG 25	38.95
31	41.43	JAN 21	41.32	31	39.47	JUN 3	39.88	AUG 20	38.73	SEP 22	39.23
NOV 21	41.17	FEB 18	41.28	APR 21	40.96	26	39.26				



404039073420001. Local number, N 1110.1
LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Valley Stream State Park, southeast corner of North Fletcher Avenue and entrance to parking field, Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 27 ft, screened 24 to 27 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 31.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.80 ft below land-surface datum.
PERIOD OF RECORD.--October 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.81 ft NGVD, September 28, 1938; lowest measured, 5.78 ft NGVD, September 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

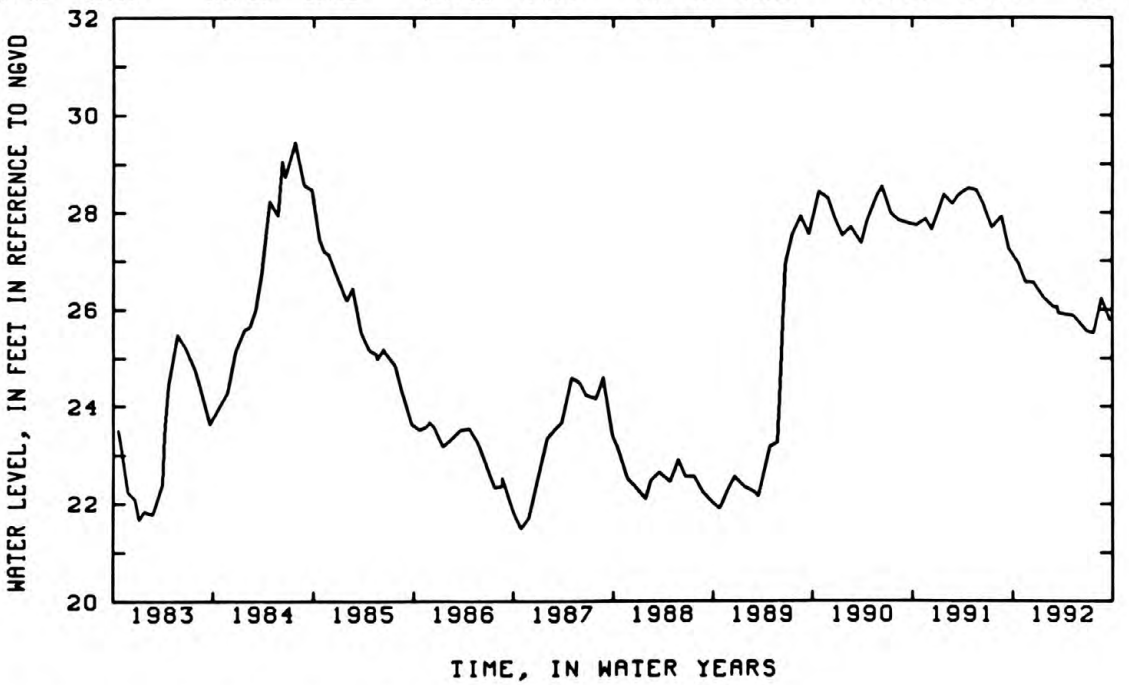
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	12.85	DEC 19	13.02	FEB 21	12.96	APR 21	12.91	JUN 26	12.31	AUG 20	13.03
NOV 18	12.71	JAN 23	13.11	MAR 16	13.81	MAY 12	12.87	JUL 24	13.38	SEP 22	12.71



404125073394802. Local number, N 1129.2
LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at east side of Euclid Avenue, 30 ft south of Hawthorne Street, West Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 51.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.46 ft below land-surface datum.
REMARKS.--Replaced well N 1129.1 in October 1966 at same location, unpublished record from August 1937 to October 1966 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--October 1966 to current year. Unpublished records from October 1966 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.46 ft NGVD, July 23, 1984; lowest measured, 21.49 ft NGVD, October 29, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	26.96	DEC 16	26.57	FEB 27	26.06	MAR 16	25.93	JUN 29	25.55	AUG 20	26.24
NOV 18	26.58	JAN 28	26.22	MAR 12	26.06	MAY 12	25.88	JUL 24	25.53	SEP 22	25.79



405104073375201. Local number, N 1152.1
LOCATION.--Lat 40°51'04", long 73°37'52", Hydrologic Unit 02030201, at northwest corner of Sea Cliff Avenue and Center Street, Glen Cove. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 130 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 154.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.15 ft below land-surface datum.
PERIOD OF RECORD.--August 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.39 ft NGVD, July 13, 1961; lowest measured, 44.33 ft NGVD, April 12, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	49.86	DEC 17	49.53	MAR 18	49.26	MAY 19	48.91	JUN 15	48.70	AUG 27	48.26
NOV 6	49.76	JAN 23	49.58	APR 16	49.18	29	48.81	JUL 15	48.45	SEP 25	48.03
18	49.65	FEB 21	49.39								

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 (Rt. 25), Jericho. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 100 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by 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. Well also sampled for water quality.
PERIOD OF RECORD.--December 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.18 ft NGVD, June 7, 1979; lowest measured, 74.59 ft NGVD, July 17, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	85.39	JAN 24	84.31	MAR 18	83.51	MAY 14	82.69	JUN 16	82.31	AUG 20	82.47
NOV 18	84.83	FEB 21	84.02	APR 23	83.08	JUN 3	82.45	JUL 14	81.96	SEP 30	81.27
DEC 17	84.80										

404453073323902. Local number, N 1197.4
LOCATION.--Lat 40°44'53", long 73°32'39", Hydrologic Unit 02030202, at west side of Abode Lane, 41 ft north of Stewart Avenue, Hicksville. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 69 ft, screened 64 to 69 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 117.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.95 ft below land-surface datum.
REMARKS.--Replaced well N 1197.3 in July 1975.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.13 ft NGVD, June 7, 1979; lowest measured, 64.40 ft NGVD, October 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	71.26	DEC 19	70.51	FEB 21	69.98	APR 23	69.26	JUN 16	68.57	AUG 20	68.30
NOV 18	70.72	JAN 23	70.33	MAR 16	69.69	MAY 14	69.11	JUL 14	68.02	SEP 30	67.76

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.

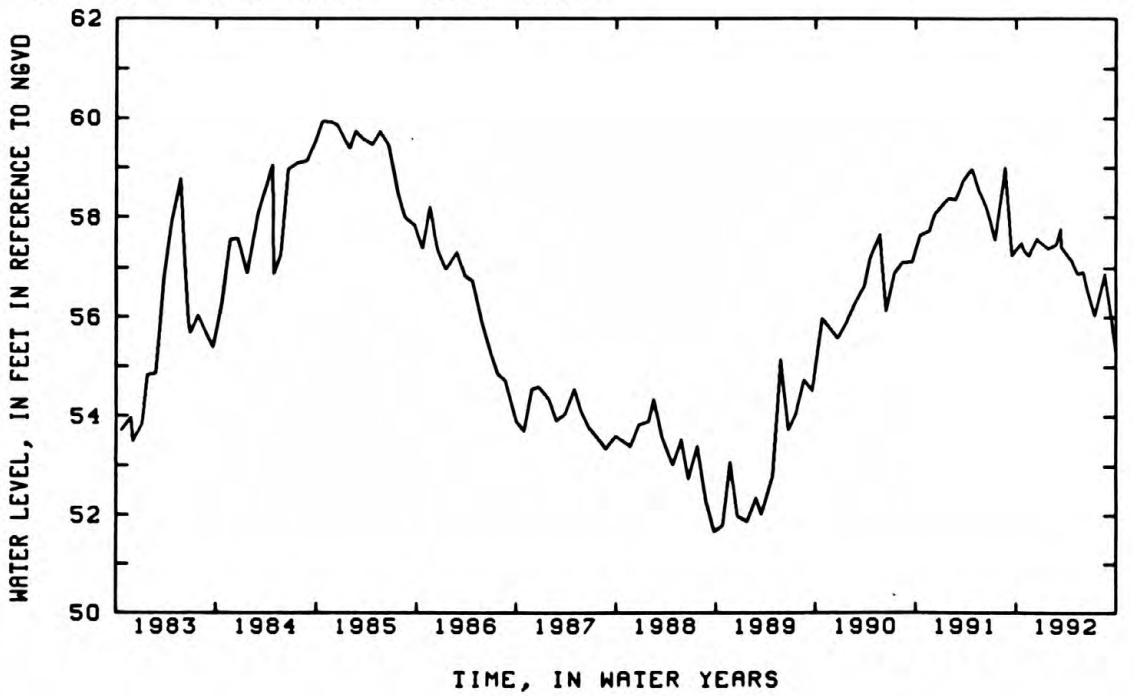
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	66.79	DEC 19	66.54	MAR 16	66.31	MAY 14	65.82	JUN 16	65.46	AUG 20	64.66
NOV 1	66.96	JAN 24	66.53	APR 24	66.03	JUN 4	65.60	JUL 14	65.02	SEP 30	64.10
18	66.71	FEB 21	66.45								

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 (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 28 ft, screened 25 to 28 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.92 ft below land-surface datum.
REMARKS.--Replaced well N 1243.4 in September 1975 at same location, unpublished records from November 1939 to September 1975 are available in files of Long Island Subdistrict Office. Well also sampled for water quality.
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 1991 TO SEPTEMBER 1992

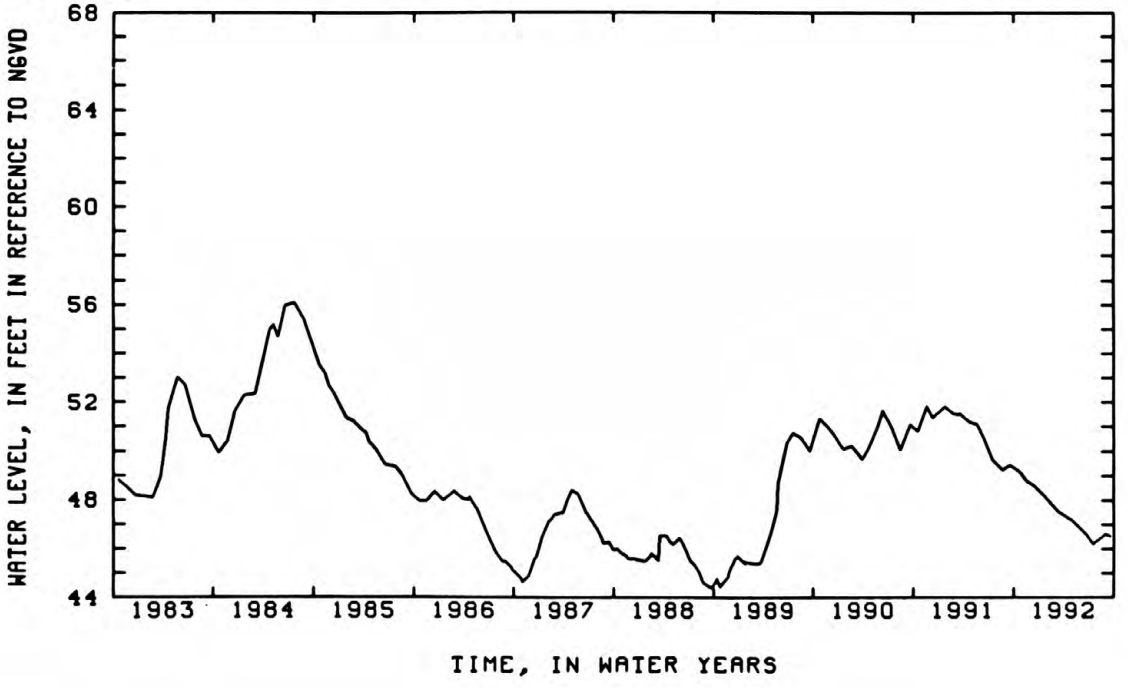
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	57.51	DEC 16	57.59	MAR 12	57.78	MAY 14	56.88	JUN 16	56.61	AUG 20	56.88
NOV 1	57.34	JAN 28	57.38	16	57.41	JUN 4	56.92	JUL 14	56.04	SEP 30	55.29
18	57.24	FEB 27	57.47	APR 24	57.13						



404317073291105. Local number, N 1259.5
LOCATION.--Lat 40°43'16", long 73°29'10", Hydrologic Unit 02030202, at south side of Mary Lane, 79 ft east of Hicksville Road (Rt. 107), Plainedge. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 41 ft, screened 38 to 41 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 78.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.08 ft above land-surface datum.
REMARKS.--Replaced well N 1259.4 in June 1961 at same location, unpublished records from January 1909 to June 1961 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--June 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft NGVD, February 21, 1978; lowest measured, 44.41 ft NGVD, September 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

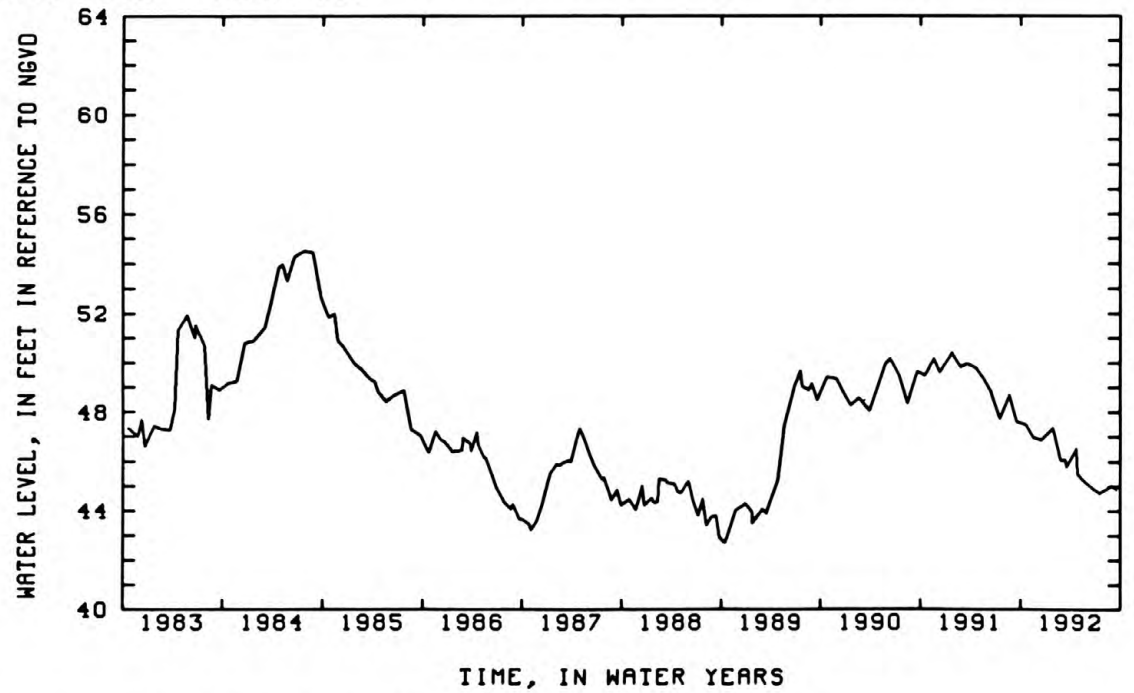
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	49.18	JAN 28	48.10	MAR 17	47.49	APR 28	47.20	JUN 25	46.55	AUG 31	46.60
NOV 18	48.77	MAR 12	47.52	APR 23	47.24	MAY 15	46.98	JUL 17	46.22	SEP 15	46.53
DEC 16	48.59										



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	47.51	JAN 28	47.38	MAR 17	45.79	APR 28	45.50	JUN 25	44.89	AUG 31	45.02
NOV 18	46.98	FEB 27	46.05	APR 23	46.55	MAY 15	45.24	JUL 17	44.73	SEP 15	44.87
DEC 16	46.91	MAR 12	46.10								



404042073292601. Local number, N 1464.1
LOCATION.--Lat 40°40'42", long 73°29'26", Hydrologic Unit 02030202, at north side of Franklin Avenue, 102 ft east of Grant Avenue, in sidewalk, Seaford. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in. to 6 in., depth 42 ft, screened 32 to 42 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 28.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing extension, 0.37 ft below land-surface datum.
PERIOD OF RECORD.--May 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.43 ft NGVD, March 25, 1975; lowest measured, 12.22 ft NGVD, January 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	15.27	DEC 19	15.58	FEB 21	15.16	APR 24	15.27	JUN 16	15.27	AUG 20	14.24
NOV 18	15.30	JAN 23	15.37	MAR 17	15.15	MAY 14	15.10	JUL 14	15.34	SEP 30	15.46

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, eastern most well, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confining unit).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 151 ft, screened 148 to 151 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel casing, 0.23 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.31 ft NGVD, January 18, 1991; lowest measured, -19.18 ft NGVD, July 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.29	DEC 24	8.33	MAR 16	7.36	MAY 18	7.27	JUN 15	6.88	AUG 28	6.89
NOV 4	8.91	JAN 21	9.10	APR 20	7.17	29	7.14	JUL 16	6.48	SEP 25	7.48
21	8.47	FEB 18	7.55								

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	8.09	JAN 21	7.88	MAR 16	7.80	MAY 18	8.01	JUN 15	8.01	AUG 28	8.05
21	7.96	FEB 18	8.77	APR 20	7.99	29	7.84	JUL 16	7.77	SEP 25	7.65
DEC 24	8.01										

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, western most well, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 1/2 in., depth 52 ft, screened 50 to 52 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel casing, 0.88 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--April 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.11 ft NGVD, September 7, 1955; lowest measured, 6.19 ft NGVD, June 27, 1988.

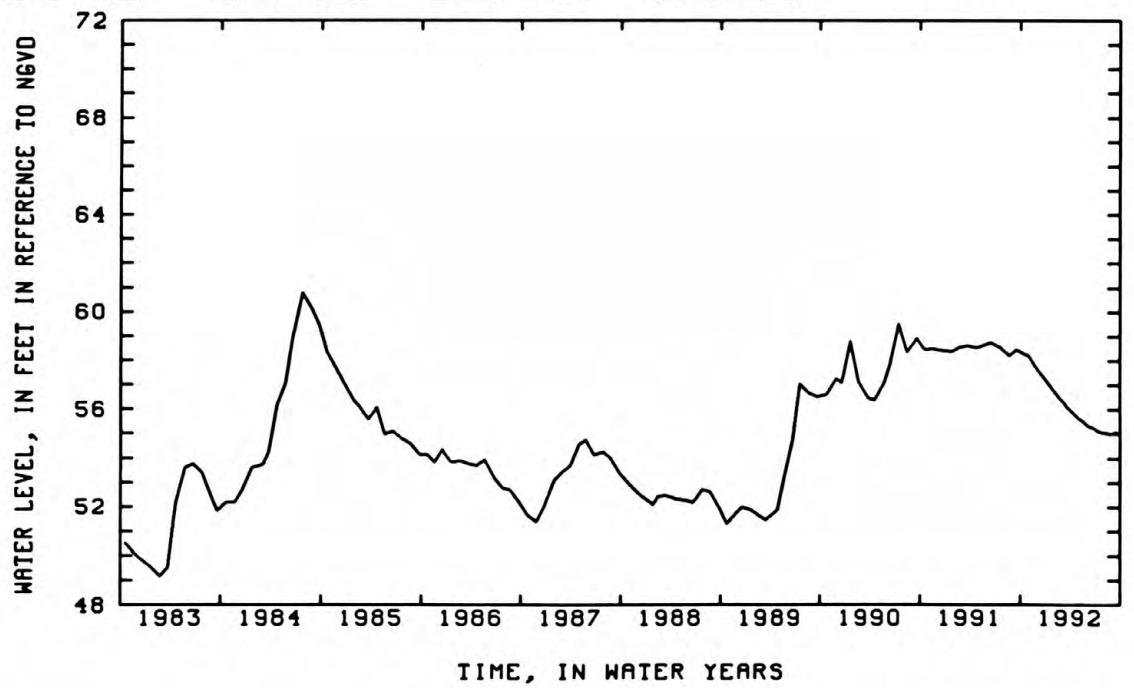
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.65	DEC 24	8.56	MAR 16	8.34	MAY 18	8.61	JUN 15	8.54	AUG 28	8.59
NOV 4	8.64	JAN 21	8.13	APR 20	8.57	29	8.33	JUL 16	8.28	SEP 25	8.22
21	8.53	FEB 18	8.38								

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

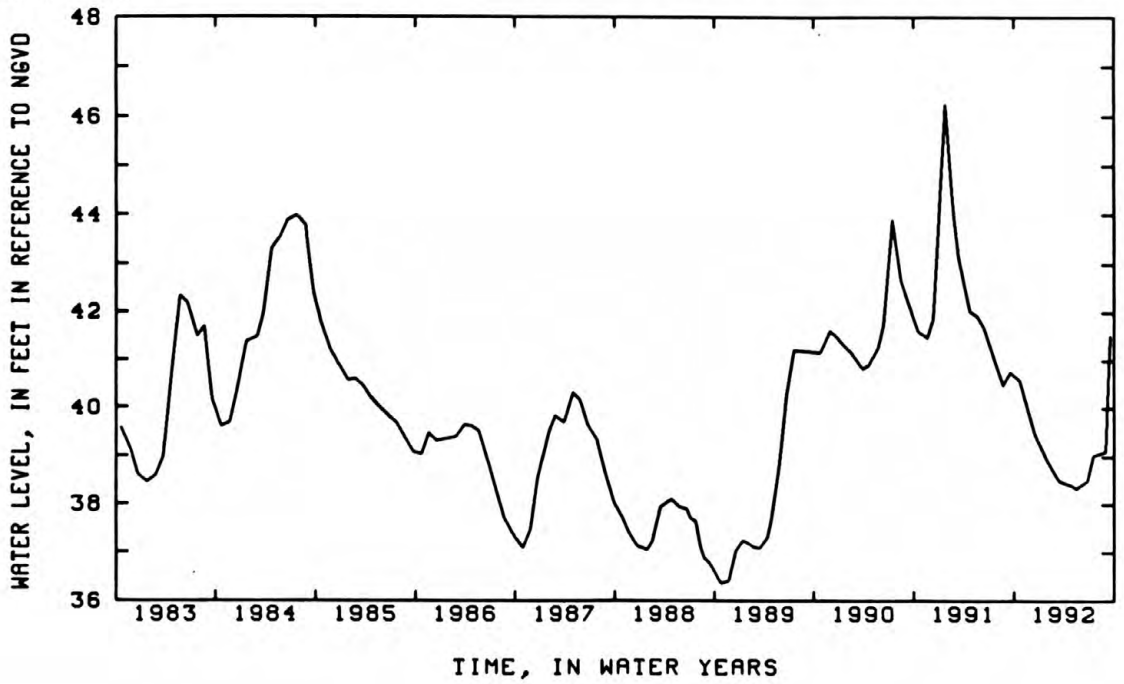
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	58.27	DEC 16	57.47	MAR 12	56.24	APR 28	55.68	JUN 25	55.25	AUG 31	55.01
31	58.22	JAN 28	56.84	18	56.15	MAY 15	55.52	JUL 17	55.10	SEP 15	55.09
NOV 18	57.91	FEB 27	56.44	APR 23	55.75	JUN 3	55.34				



404209073340601. Local number, N 1615.3
LOCATION.--Lat 40°42'09", long 73°34'06", Hydrologic Unit 02030202, at east side of Merrick Avenue, 100 ft south of Van Buren Avenue, Freeport. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 61.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.13 ft below land-surface datum.
REMARKS.--Replaced well N 1615.2 in August 1966 at same location, unpublished record from March 1913 to August 1966 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--August 1966 to current year. Unpublished records from August 1966 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.25 ft NGVD, January 25, 1991; lowest measured, 36.37 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

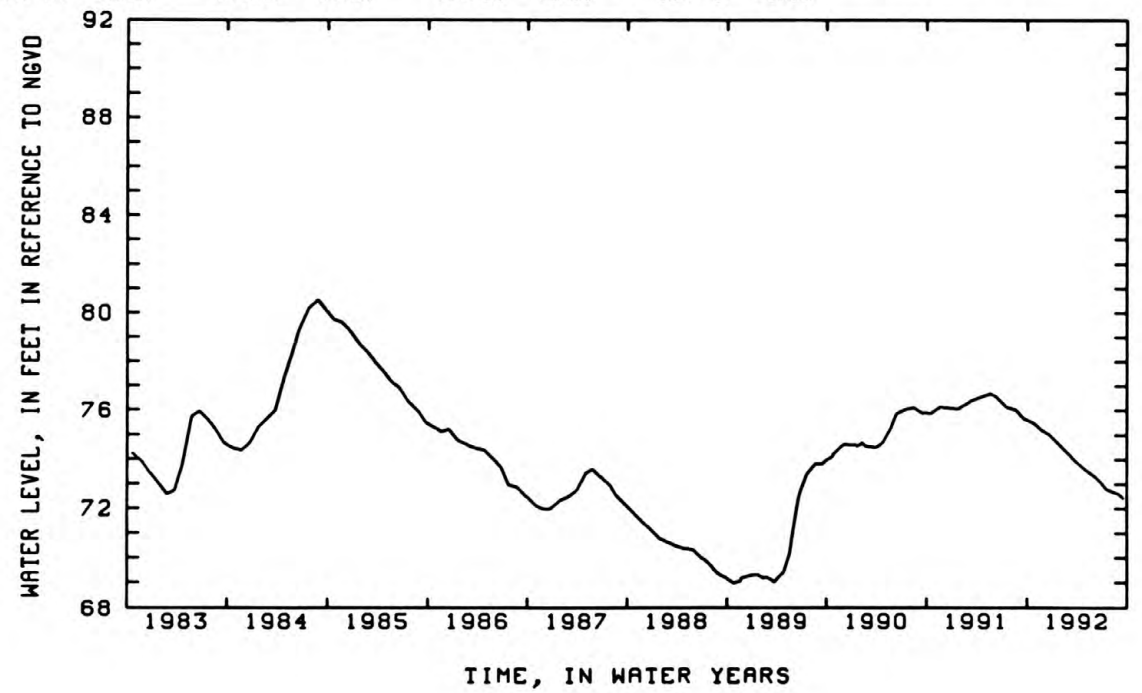
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	40.59	JAN 28	38.96	MAR 12	38.52	APR 28	38.41	JUN 25	38.49	AUG 31	39.10
NOV 18	40.04	FEB 27	38.67	16	38.50	MAY 15	38.34	JUL 17	39.02	SEP 15	41.51
DEC 16	39.47										



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, 40 ft west of Post Avenue, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 68 ft, screened 65 to 68 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	75.51	DEC 16	75.05	MAR 12	74.10	APR 28	73.63	JUN 25	73.09	AUG 31	72.59
31	75.42	JAN 28	74.59	18	74.01	MAY 15	73.47	JUL 17	72.79	SEP 15	72.42
NOV 18	75.24	FEB 27	74.28	APR 23	73.68	JUN 8	73.30				



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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	69.59	DEC 17	69.09	MAR 16	68.38	MAY 19	67.92	JUN 16	68.24	AUG 20	67.76
NOV 1	69.39	JAN 23	68.79	APR 24	68.19	JUN 4	67.75	JUL 15	67.40	SEP 30	67.01
18	69.19	FEB 21	68.57								

404619073270601. Local number, N 3355.2
LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at former site of Nassau County Sanitarium, 336 ft west of Round Swamp Road, south of Locust Road, in wooden recorder shelter, Plainview. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in. to 8 in., depth 1,093 ft, screened 1,070 to 1,090 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 183.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in. steel casing, 0.28 ft below land-surface datum.
PERIOD OF RECORD.--January 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft NGVD, April 10, 1957; lowest measured, 23.18 ft NGVD, April 11, 1972.

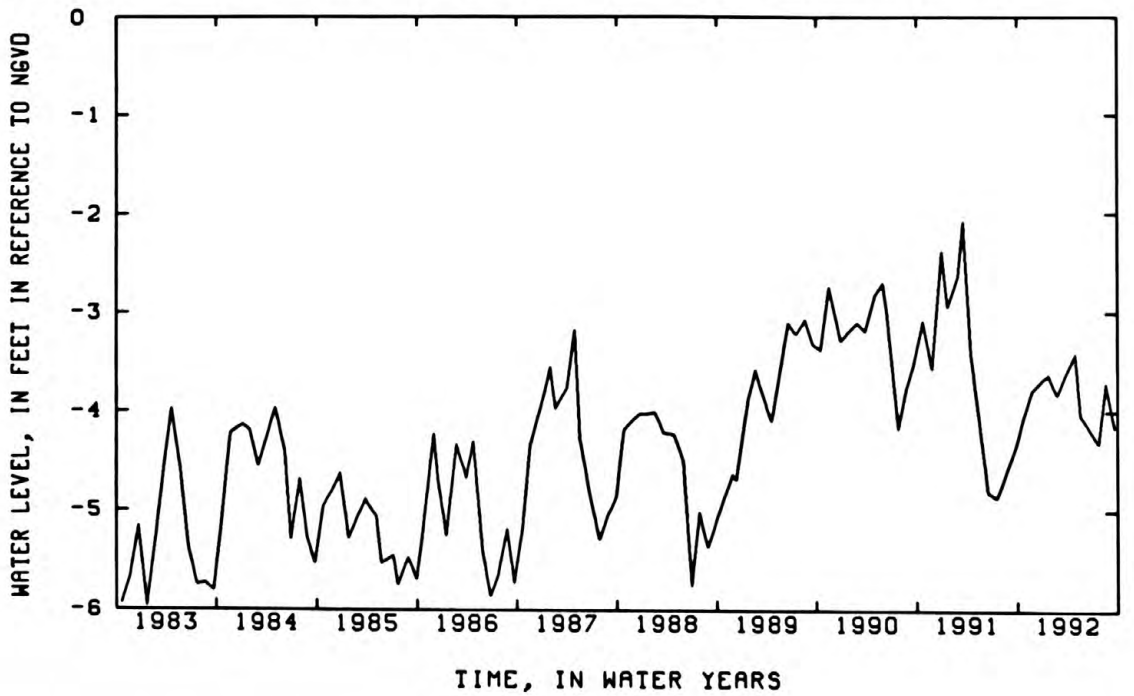
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	32.08	DEC 19	32.77	FEB 21	33.47	MAY 14	33.13	AUG 21	32.32	SEP 30	31.11
NOV 18	32.62	JAN 28	33.18	MAR 17	33.50	JUL 14	31.77				

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 , 28 ft east of Arlington Place, Cedarhurst. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 530 ft, screened 519 to 530 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.37 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--April 1952 to current year. Unpublished records from April 1952 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.09 ft NGVD, March 20, 1991; lowest measured, -7.57 ft NGVD, August 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

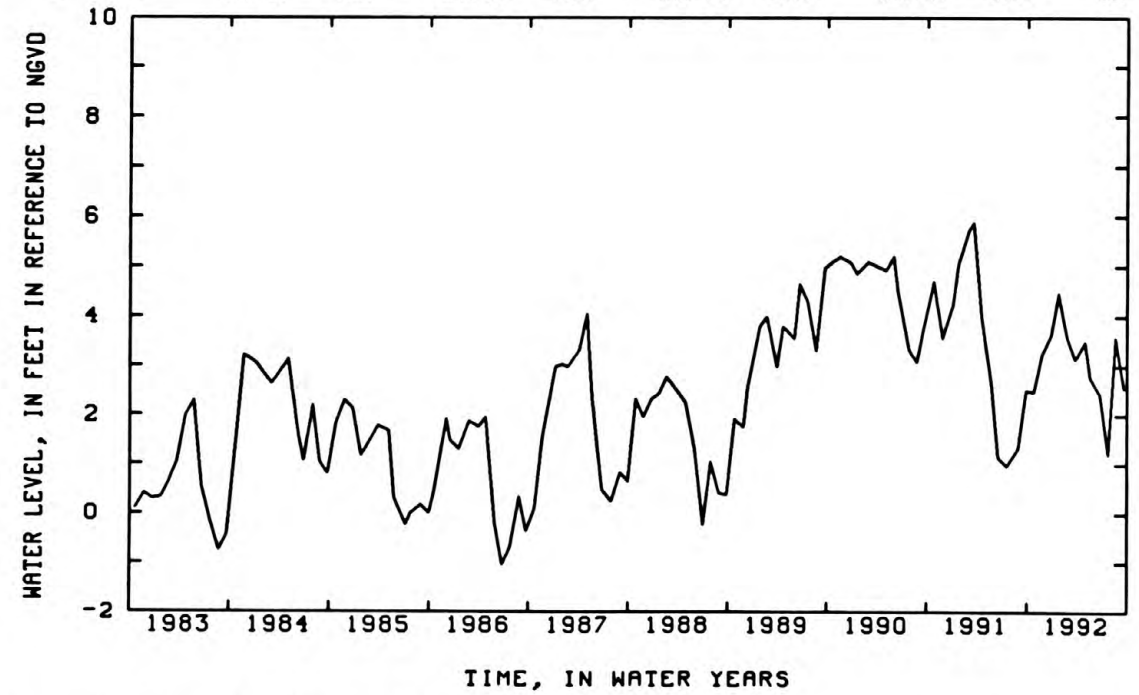
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.05	DEC 27	-3.69	FEB 25	-3.83	APR 30	-3.42	JUL 22	-4.32	SEP 18	-4.16
NOV 26	-3.78	JAN 23	-3.64	MAR 25	-3.63	MAY 18	-4.04	AUG 19	-3.72		



403911073432701. Local number, N 3867.2
LOCATION.--Lat 40°39'12", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, 35 ft south of Brook Road, 41 ft east of stream, Green Acres. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 517 ft, screened 505 to 517 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 1.54 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--January 1953 to current year. Unpublished records from January 1953 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.48	DEC 27	3.64	FEB 25	3.60	APR 30	3.50	JUN 22	2.43	AUG 19	3.57
NOV 26	3.26	JAN 23	4.47	MAR 25	3.14	MAY 18	2.78	JUL 22	1.22	SEP 18	2.55



403751073440202. Local number, N 3932.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, north of Peninsula Boulevard, 37 ft 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--June 1952 to current year. Unpublished records from June 1952 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.11	JAN 23	3.74	MAR 25	3.30	MAY 18	3.06	JUN 24	3.04	AUG 19	3.50
NOV 26	3.32	FEB 25	3.63	APR 30	3.55	JUN 22	2.56	JUL 22	2.47	SEP 18	2.90
DEC 27	3.46										

403713073415901. Local number, N 4026.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock parking field, south end of Woodmere Boulevard, on west side of sewer treatment substation, Woodsburgh. Owner: Nassau County Department of Public Works.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 153 ft, screened 149 to 153 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuations.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.55	DEC 27	2.76	MAY 18	3.44	JUN 24	3.04	AUG 19	2.77	SEP 18	3.31
NOV 26	2.41	MAR 25	3.20	JUN 22	2.81	JUL 22	2.98				

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 clear plastic tube extension and stadia rod 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.
REMARKS.--Water level affected by tidal fluctuation.
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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.58	DEC 27	7.21	FEB 25	6.86	APR 30	7.66	JUN 23	7.05	AUG 19	7.92
NOV 26	7.20	JAN 23	6.91	APR 3	7.76	MAY 21	6.71	JUL 30	6.74	SEP 15	7.30

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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of 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.

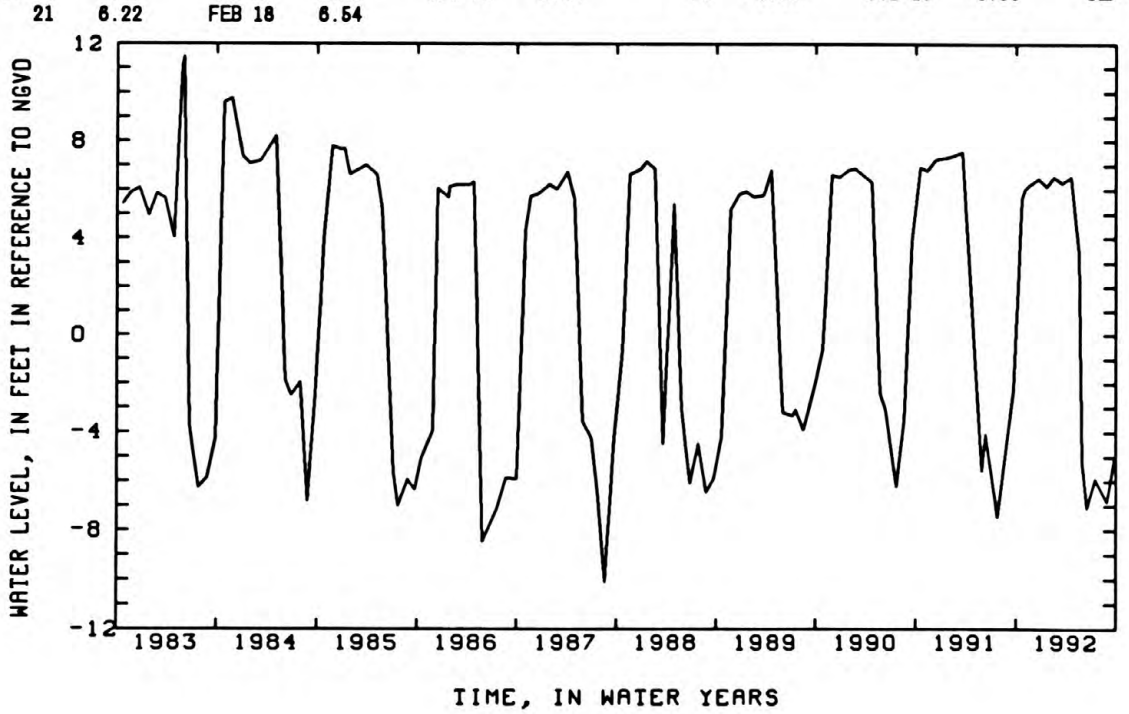
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.53	DEC 27	3.73	FEB 25	3.23	APR 30	3.57	JUN 22	2.17	AUG 19	3.49
NOV 26	3.10	JAN 23	3.01	MAR 25	2.84	MAY 18	2.92	JUL 22	1.04	SEP 18	2.42

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, 300 ft north of Middle Neck Road, western most well, Sands Point. Owner: United States Geological Survey.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 396 ft, screened 378 to 388 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 100.9 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 tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--August 1957 to current year. Unpublished records from August 1957 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.68	DEC 24	6.48	MAR 17	6.30	MAY 18	3.43	JUN 15	-7.08	AUG 28	-6.84
NOV 4	6.07	JAN 21	6.13	APR 20	6.52	29	-5.25	JUL 16	-5.89	SEP 25	-5.02
21	6.22	FEB 18	6.54								



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	69.60	DEC 17	69.04	MAR 16	68.35	MAY 19	67.88	JUN 16	67.16	AUG 20	67.28
NOV 1	69.41	JAN 23	68.76	APR 24	67.64	JUN 4	67.71	JUL 15	67.36	SEP 30	67.00
18	70.19	FEB 21	68.51								

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, 300 ft north of Middle Neck Road, eastern most well, Sands Point. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 185 ft, screened 183 to 185 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 97.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 3.99 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--August 1957 to current year. Unpublished records from August 1957 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	20.21	DEC 24	19.30	MAR 16	18.41	MAY 18	17.99	JUN 15	18.74	AUG 28	19.14
NOV 4	20.09	JAN 21	19.02	17	18.40	28	18.37	JUL 16	18.90	SEP 25	18.87
21	19.74	FEB 18	18.25	APR 20	18.13						

405212073354002. Local number, N 6668.1
LOCATION.--Lat 40°52'12", long 73°35'40", Hydrologic Unit 02030201, at east side of Piping Rock Road, 58 ft south of Underhill Road, south loop, Matinecock. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 43 ft, screened 41 to 43 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 103.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.35 ft above land-surface datum.
PERIOD OF RECORD.--April 1968 to current year. Unpublished records from April 1968 to September 1982 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.80 ft NGVD, February 2, 1979; lowest measured, 63.30 ft NGVD, April 22, 1968.

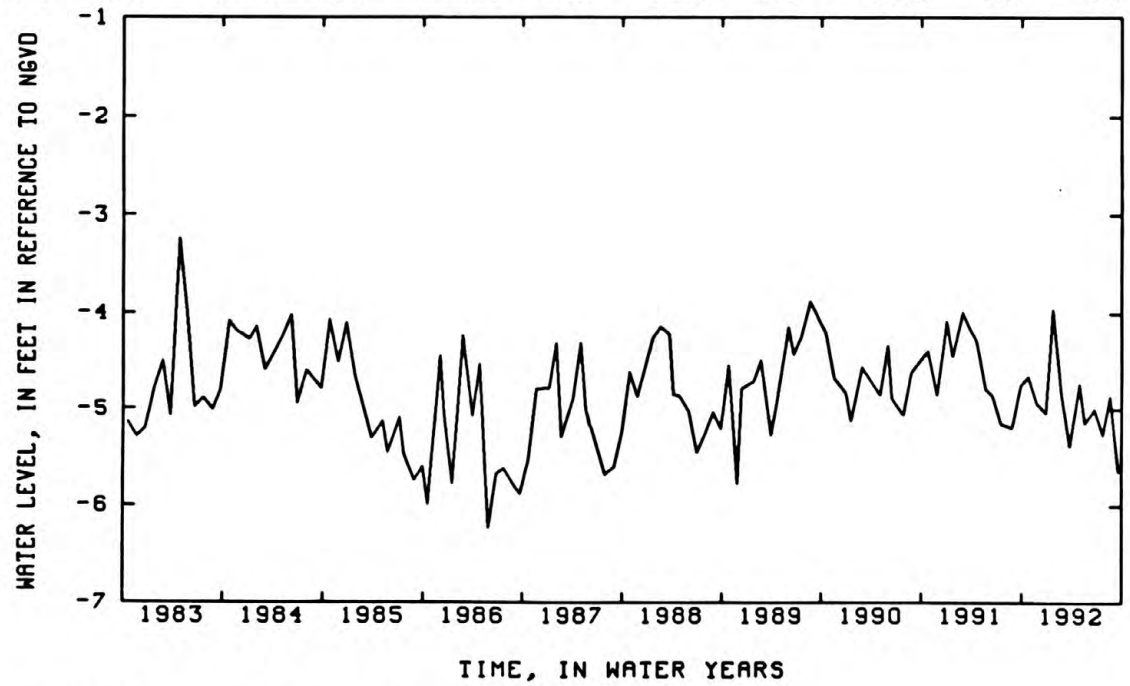
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	67.61	DEC 17	67.09	MAR 16	66.27	MAY 14	64.76	JUN 16	65.57	AUG 20	65.22
NOV 1	67.42	JAN 23	66.77	APR 24	65.91	JUN 4	65.65	JUL 14	65.39	SEP 30	65.05
18	67.35	FEB 21	66.50								

403517073430702. Local number, N 6702.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, 300 ft 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--September 1959 to current year. Unpublished records from September 1959 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.66	DEC 27	-5.04	FEB 25	-4.84	APR 30	-4.74	JUN 24	-5.00	AUG 19	-4.87
NOV 26	-4.93	JAN 23	-3.96	MAR 25	-5.38	MAY 18	-5.14	JUL 22	-5.26	SEP 18	-5.65



403517073430705. Local number, N 6705.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 miles west of end of Park Street, 300 ft 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1968 are available in files of 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.

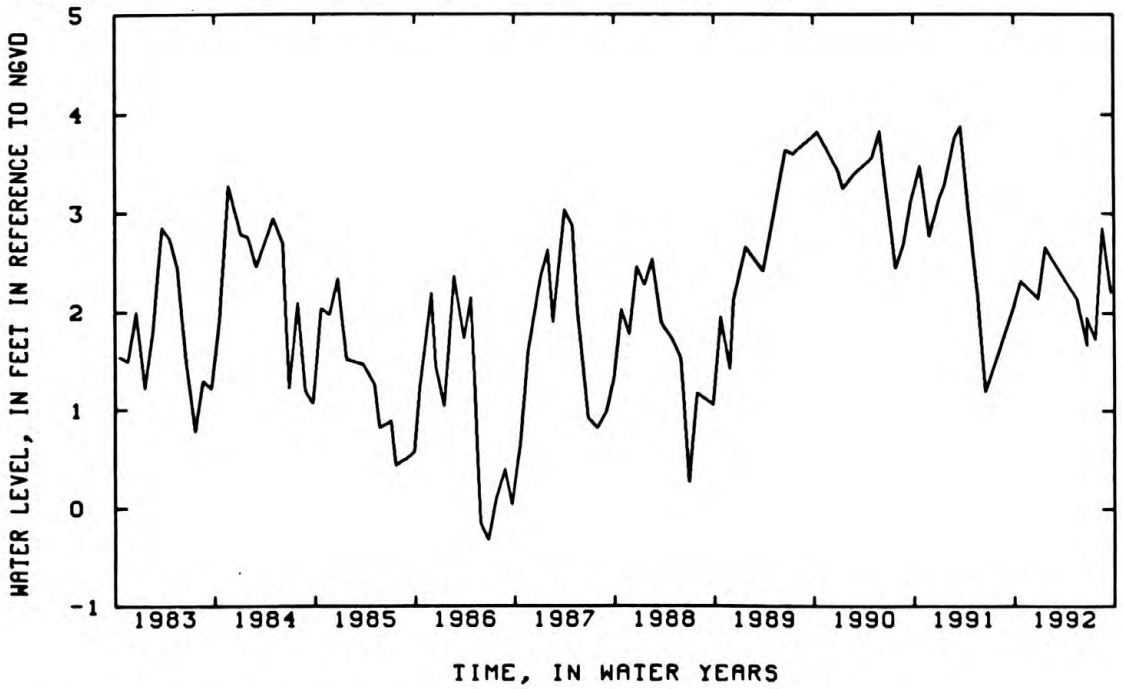
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.69	DEC 27	1.19	FEB 25	1.87	APR 30	1.80	JUN 24	1.65	AUG 19	1.70
NOV 26	0.85	JAN 23	1.82	MAR 25	1.38	MAY 18	1.45	JUL 22	1.51	SEP 18	1.56

403713073415902. Local number, N 6707.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at Woodsburgh Town Dock parking field, south end of Woodmere Boulevard, on north side of sewage treatment substation, Woodsburgh. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 503 ft, screened 493 to 503 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--October 1959 to current year. Unpublished records from October 1959 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.32	JAN 23	2.66	MAY 18	2.14	JUN 24	1.95	AUG 19	2.85	SEP 18	2.21
DEC 27	2.14	MAR 25	2.38	JUN 22	1.67	JUL 22	1.73				



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

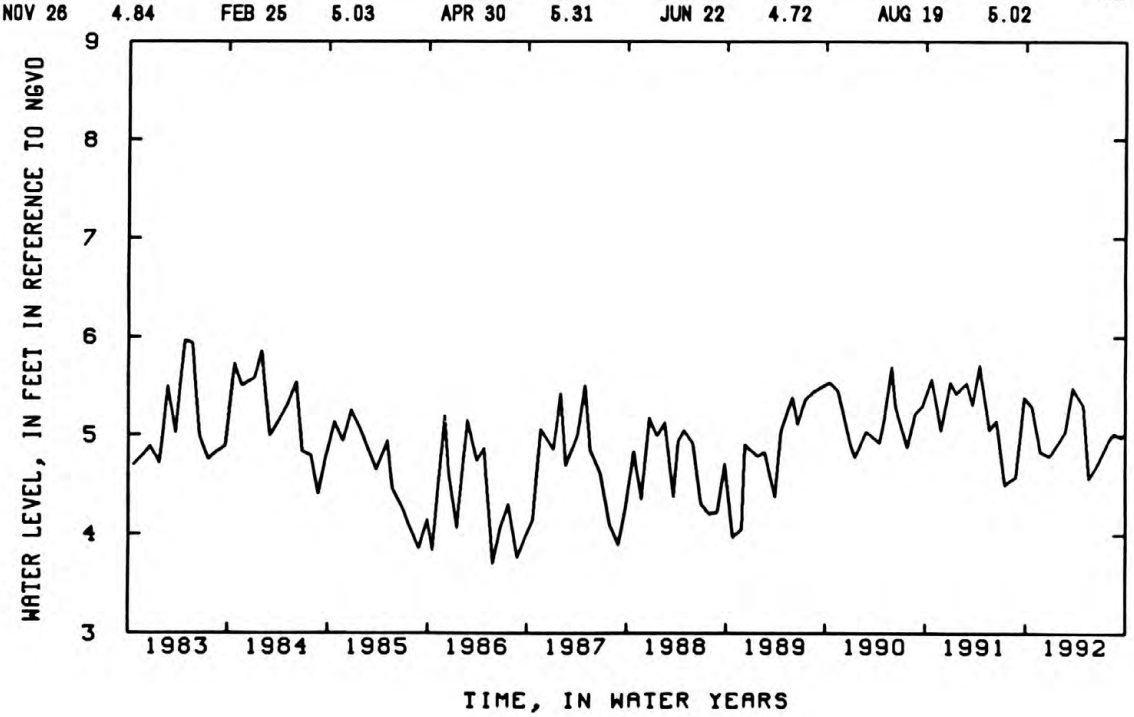
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.75	DEC 27	5.54	FEB 25	6.13	APR 30	6.57	JUL 30	6.40	SEP 15	5.92
NOV 26	5.53	JAN 23	5.75	MAR 23	6.53	JUN 22	6.40	AUG 19	6.28		

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.--Water level affected by tidal fluctuation and nearby pumping. 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.29	DEC 27	4.79	MAR 23	5.48	MAY 21	4.57	JUL 30	4.95	SEP 15	4.98
NOV 26	4.84	FEB 25	5.03	APR 30	5.31	JUN 22	4.72	AUG 19	5.02		



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.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 131 ft, screened 129 to 131 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 131.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.47 ft above land-surface datum.
PERIOD OF RECORD.--April 1962 to current year. Unpublished records from April 1962 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft NGVD, June 22, 1979; lowest measured, 24.82 ft NGVD, October 21, 1966.

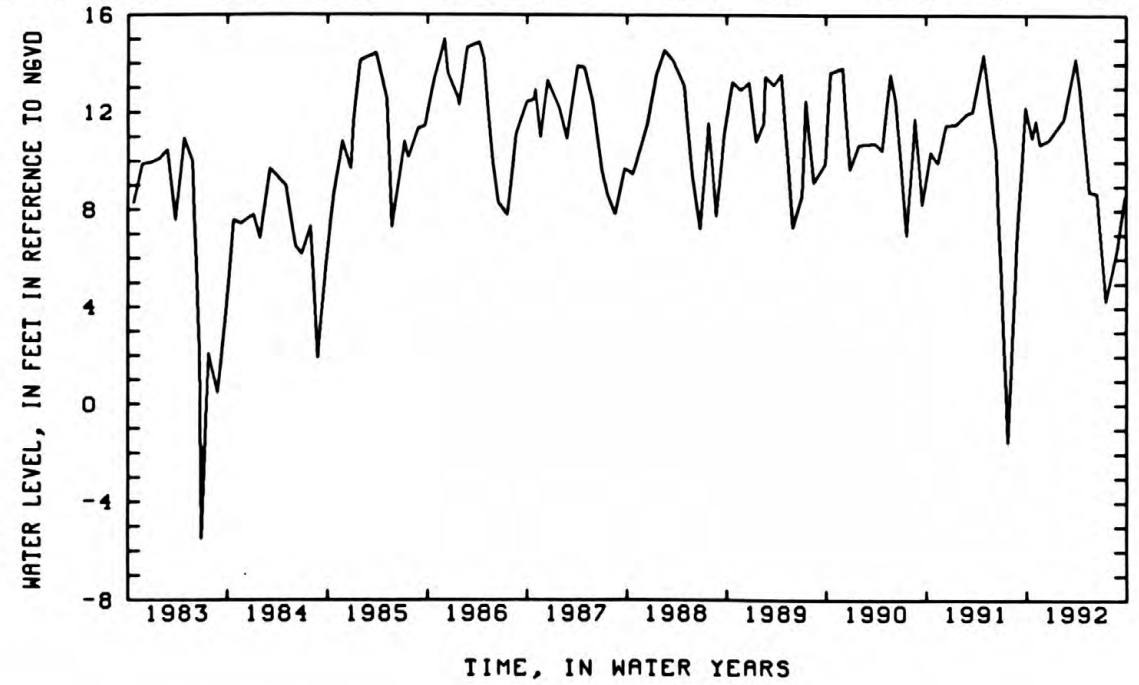
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	28.40	DEC 17	28.09	MAR 30	27.53	MAY 19	27.29	JUN 15	27.21	AUG 27	26.98
NOV 6	27.94	JAN 23	27.91	APR 16	27.44	29	27.29	JUL 15	27.07	SEP 25	26.91
18	28.23	FEB 21	27.74								

405432073345001. Local number, N 7152.1
LOCATION.--Lat 40°54'33", long 73°34'46", Hydrologic Unit 02030201, at Oak Neck Beach, 35 ft north of Bayville Avenue, east of beach parking field, Bayville. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in. to 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.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--September 1961 to current year. Unpublished records from September 1961 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

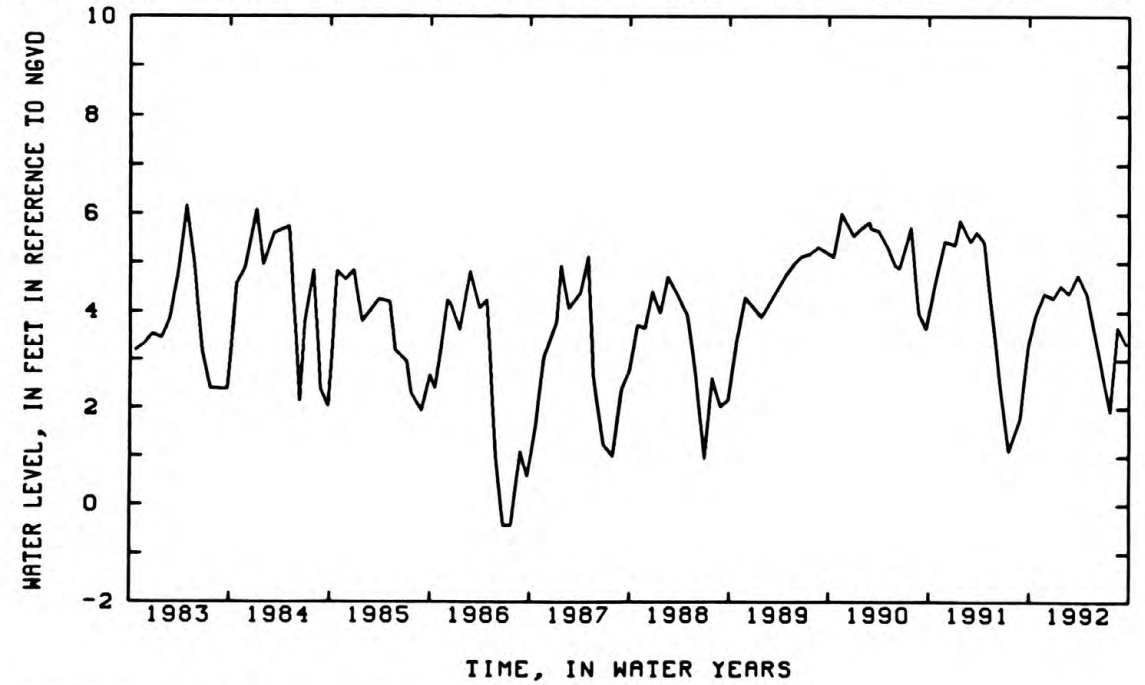
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.98	NOV 21	10.71	FEB 18	11.73	APR 16	12.88	JUN 15	8.72	AUG 27	6.45
NOV 6	11.68	DEC 23	10.88	MAR 30	14.21	MAY 19	8.77	JUL 15	4.29	SEP 25	8.59



403856073392603. Local number, N 7161.2
LOCATION.--Lat 40°38'56", long 73°39'26", Hydrologic Unit 02030202, at Rockville Centre Village Dump, south of the end of Riverside Road, 79 ft north of the end of Roxbury Road, northern most well, Rockville Centre. Owner: Village of Rockville Centre.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 666 ft, screened 661 to 665 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 2.78 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping. 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.96	DEC 27	4.28	FEB 25	4.38	APR 30	4.38	JUN 22	2.81	AUG 19	3.68
NOV 26	4.37	JAN 23	4.54	MAR 26	4.76	MAY 18	3.80	JUL 22	1.93	SEP 18	3.34



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, 44 ft north of the end of Roxbury Road, southern most well, Rockville Centre. Owner: Village of Rockville Centre.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 98 ft, screened 95 to 98 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--January 1968 to current year. Unpublished records from January 1968 to September 1987 are available in files of 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.

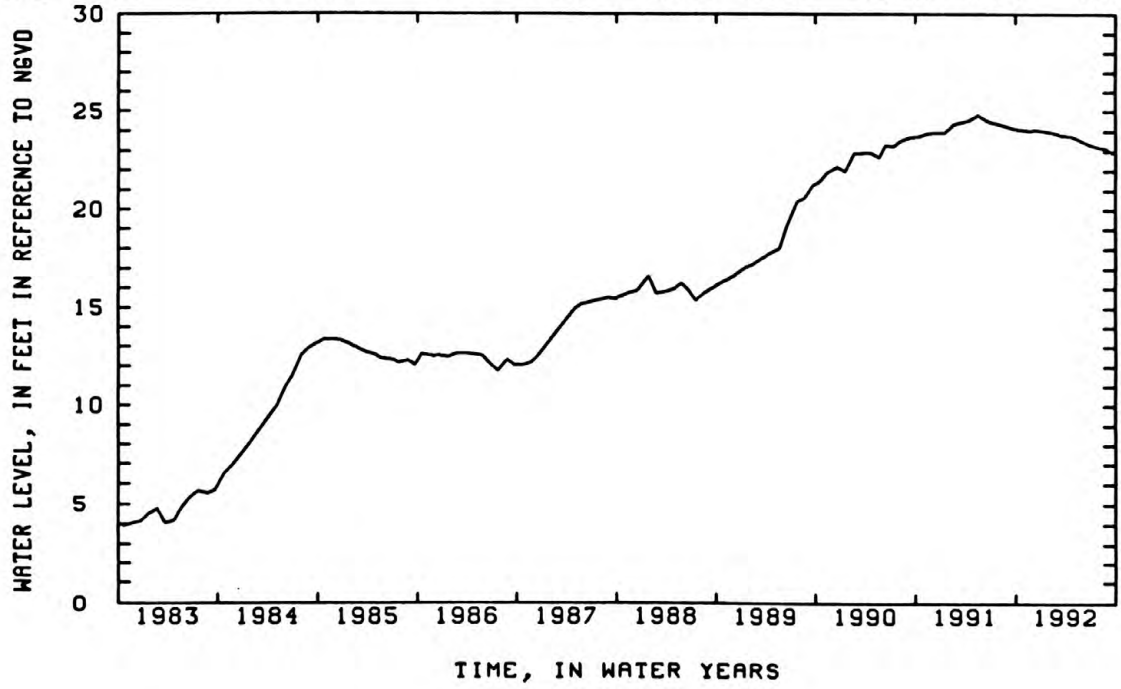
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.44	DEC 27	2.66	FEB 25	3.28	APR 30	3.40	JUL 22	2.65	SEP 18	3.09
NOV 26	2.57	JAN 23	3.39	MAR 26	2.75	MAY 18	2.74	AUG 19	4.15		

404237073433701. Local number, N 7493.1
LOCATION.--Lat 40°42'36", long 73°43'35", Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 353 ft, screened 349 to 353 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 75.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel flange, 2.59 ft above land-surface datum.
PERIOD OF RECORD.--April 1964 to current year. Unpublished records from April 1964 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.84 ft NGVD, May 17, 1991; lowest measured, 3.52 ft NGVD, August 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	24.10	DEC 17	24.06	FEB 21	23.92	APR 21	23.77	JUN 26	23.36	AUG 20	23.16
NOV 18	24.05	JAN 23	23.99	MAR 16	23.80	MAY 12	23.64	JUL 24	23.22	SEP 22	22.93



404705073394902. Local number, N 7554.2
LOCATION.--Lat 40°47'05", long 73°39'49", Hydrologic Unit 02030202, at Christopher Morley Park, 55 ft east of Searingtown Road, just north of main entrance to park, North Hills. Owner: Port Washington Water District.
AQUIFER.--Magothy (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in. to 6 in., depth 464 ft, screened 454 to 464 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 190.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 5.57 ft above land-surface datum.
REMARKS.--Replaced well N 7554.1 in May 1964.
PERIOD OF RECORD.--March 1964 to current year. Unpublished records from March 1964 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.62 ft NGVD, April 28, 1965; lowest measured, 21.52 ft NGVD, July 18, 1988.

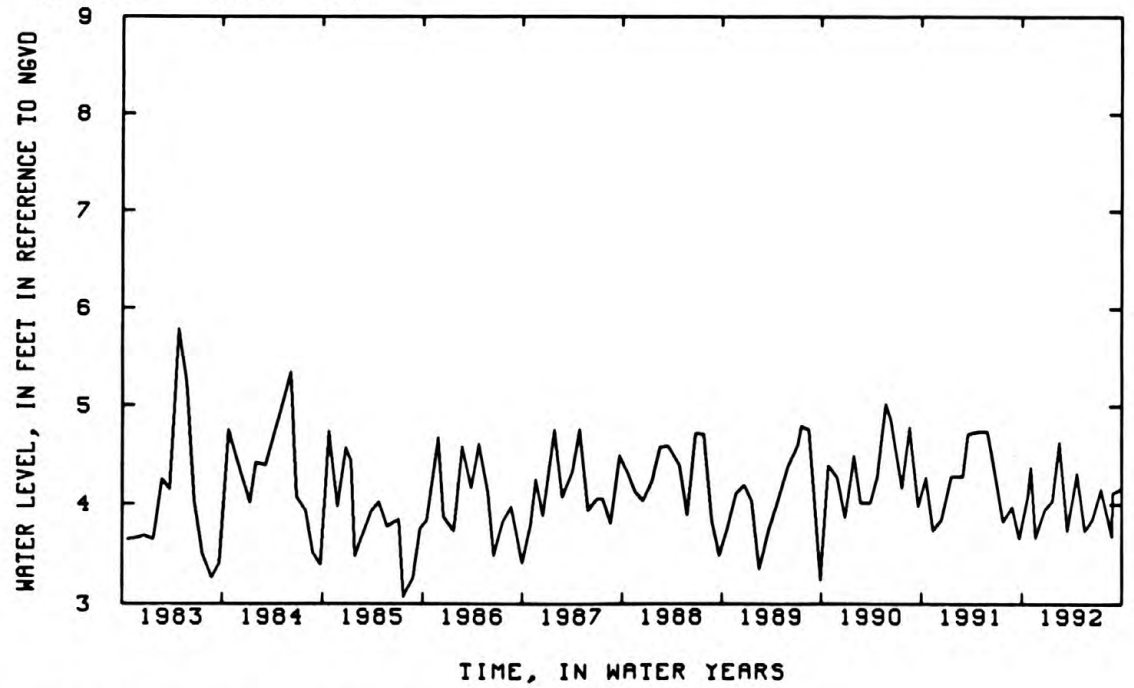
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	42.06	DEC 17	41.87	FEB 21	42.55	APR 21	42.94	JUN 3	43.47	JUL 24	42.44
31	43.22	JAN 23	42.44	MAR 18	42.49	MAY 12	43.99	26	42.40	AUG 20	43.22
NOV 18	43.92										

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, eastern most well, Kings Point. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confined). Previously reported as Jameco Aquifer.
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 189 ft, screened 184 to 189 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.07	DEC 24	3.94	MAR 16	3.73	MAY 18	3.73	JUL 16	4.15	AUG 28	4.11
NOV 4	4.37	JAN 21	4.03	APR 20	4.31	JUN 15	3.85	AUG 25	3.67	SEP 25	4.15
21	3.66	FEB 18	4.63								



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, western most well, 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, 0.65 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from May 1966 to September 1987 are available in files of 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.

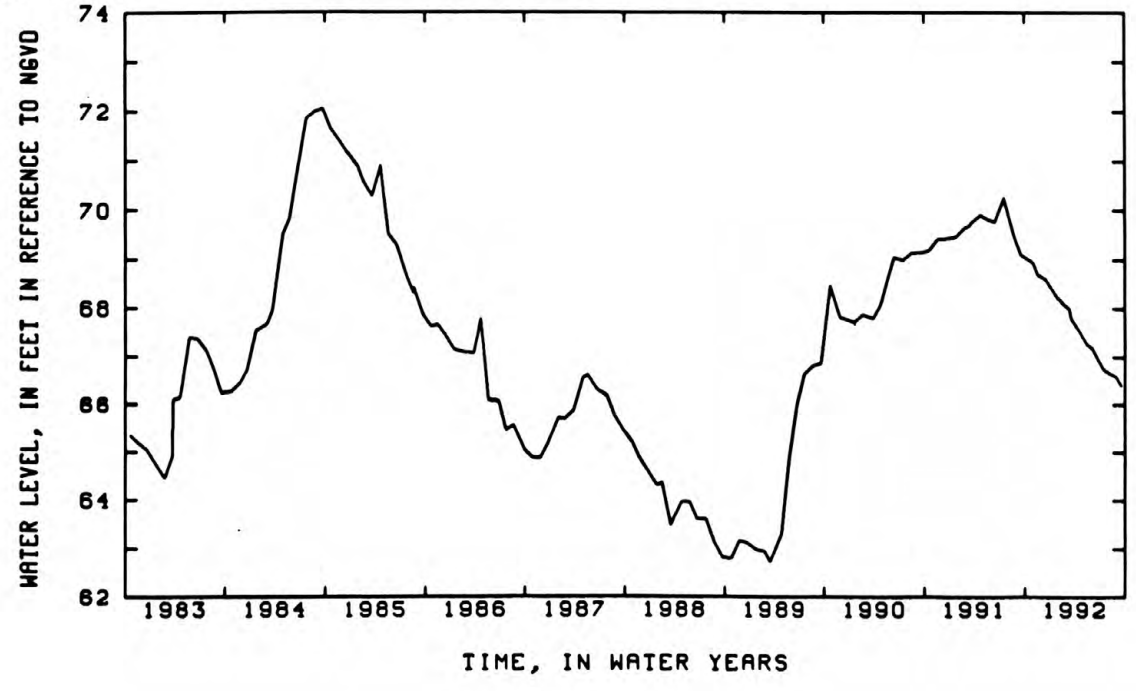
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.00	DEC 24	4.74	MAR 16	4.60	MAY 18	4.66	JUL 16	4.85	AUG 28	4.71
NOV 4	5.31	JAN 21	4.98	APR 20	5.03	JUN 15	4.75	AUG 25	4.66	SEP 25	4.96
21	4.55	FEB 18	5.30								

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 (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 4 in., depth 86 ft, screened 81 to 86 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 111.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.15 ft below land-surface datum.
REMARKS.--Prior to April 1967, well was screened in Upper Glacial Aquifer. Well N 1258.1 was replaced by well N 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.
PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.18 ft NGVD, May 21, 1980; lowest measured, 62.74 ft NGVD, March 16, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

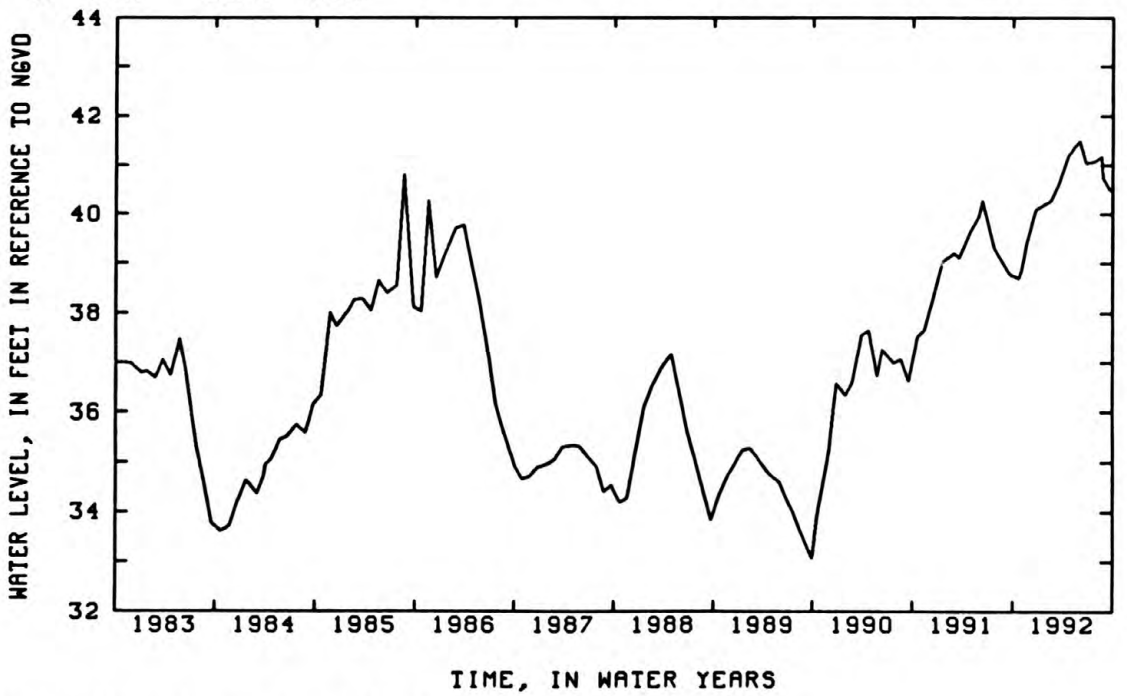
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	68.98	DEC 16	68.62	MAR 12	68.00	APR 28	67.45	JUN 25	66.95	AUG 31	66.60
31	68.94	JAN 28	68.24	18	67.82	MAY 15	67.27	JUL 17	66.74	SEP 15	66.42
NOV 18	68.71	FEB 27	68.06	APR 23	67.50	JUN 3	67.19				



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	38.70	DEC 24	40.06	APR 21	41.18	JUN 2	41.49	JUL 24	41.06	AUG 25	40.75
NOV 5	38.90	FEB 18	40.27	MAY 12	41.35	26	41.04	AUG 20	41.17	SEP 22	40.49
21	39.40	MAR 17	40.62								



403942073334401. Local number, N 8847.1
LOCATION.--Lat 40°39'42", long 73°33'44", Hydrologic Unit 02030202, at north side of Bedford Avenue, 38 ft east of Babylon Turnpike, Merrick. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 26 ft, screened 21 to 26 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.37 ft below land-surface datum.
REMARKS.--Replaced well N 3943.2 in April 1972, which replaced well N 1185.1 in June 1939.
PERIOD OF RECORD.--June 1972 to current year. Unpublished records from June 1972 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.60 ft NGVD, May 19, 1989; lowest measured, -1.04 ft NGVD, June 11, 1974.

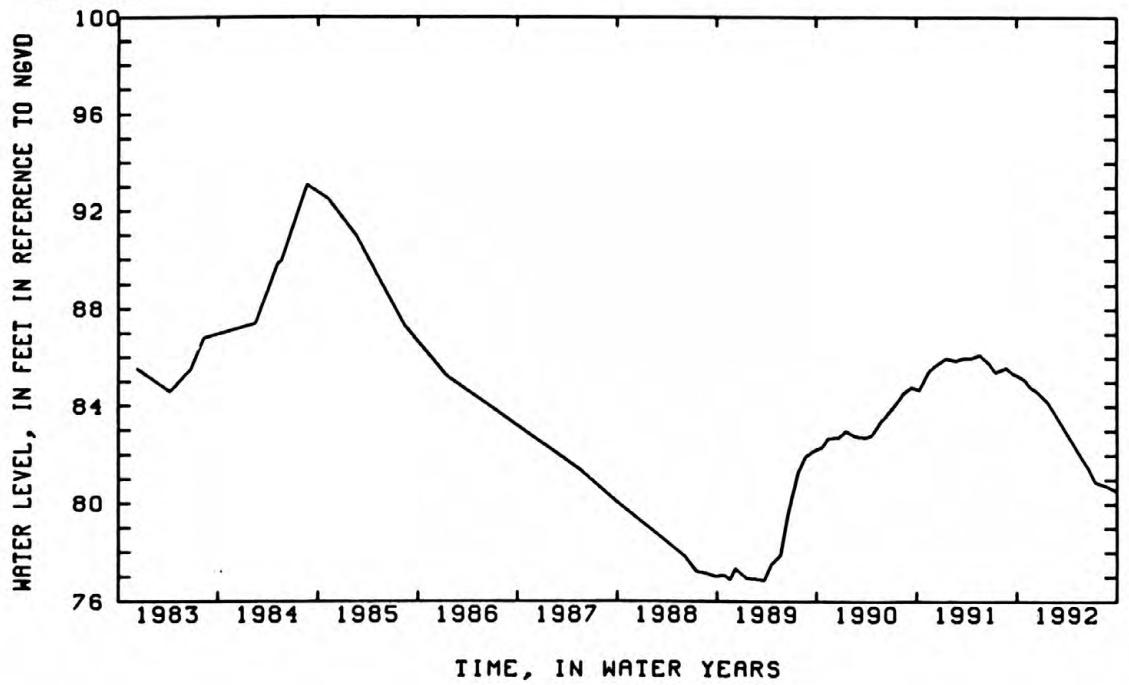
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	8.12	DEC 19	8.25	FEB 21	8.12	APR 21	8.20	JUN 29	8.00	AUG 20	9.12
21	8.27	JAN 23	8.06	MAR 16	8.16	MAY 12	8.19	JUL 24	8.02	SEP 22	8.16
NOV 18	7.92										

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

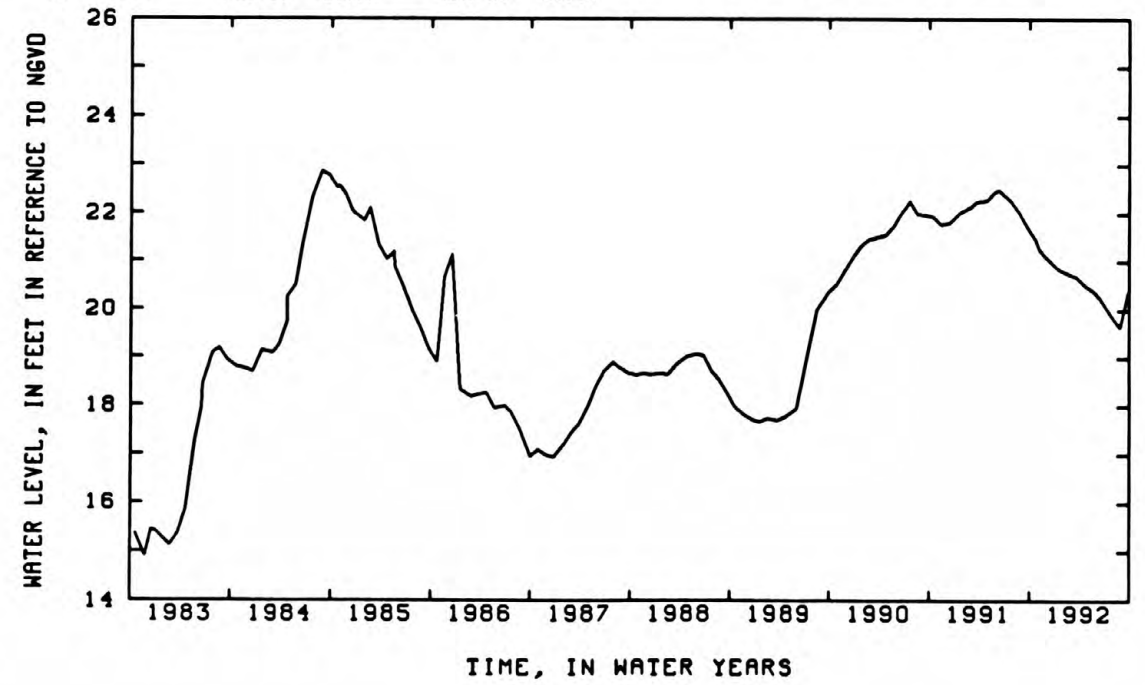
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	85.21	DEC 17	84.61	FEB 21	83.67	APR 23	82.50	JUN 16	81.50	AUG 20	80.76
NOV 1	85.07	JAN 24	84.16	MAR 16	83.22	MAY 14	82.09	JUL 14	80.89	SEP 30	80.53
18	84.83										



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 1991 TO SEPTEMBER 1992

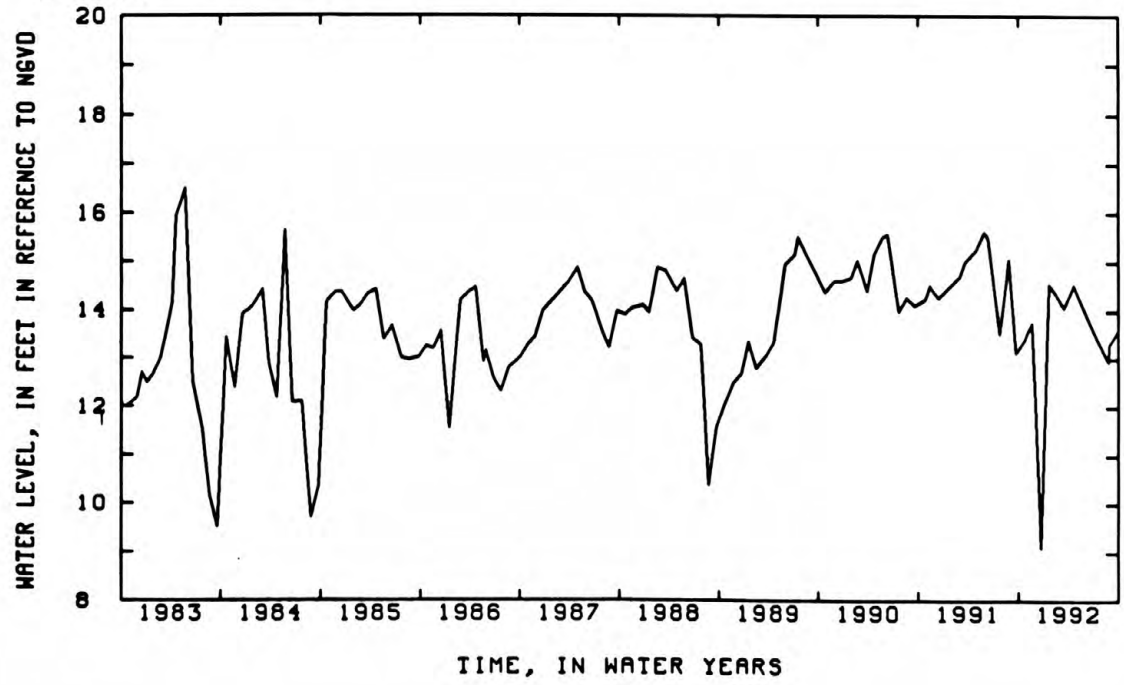
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.48	DEC 24	20.97	MAR 17	20.70	MAY 20	20.41	JUL 16	19.98	AUG 28	19.65
NOV 7	21.27	JAN 21	20.83	APR 20	20.52	JUN 15	20.24	AUG 25	19.65	SEP 25	20.37
21	21.17	FEB 18	20.77	MAY 18	20.42						



404901073443004. Local number, N 9208.2
LOCATION.--Lat 40°49'01", long 73°44'30", Hydrologic Unit 02030201, at pumping field, 174 ft south of Wildwood Road, east of Catalina Drive, Kings Point. Owner: Nassau County Department of Public Works.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 96 ft, screened 91 to 96 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--June 1977 to current year. Unpublished records from June 1977 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

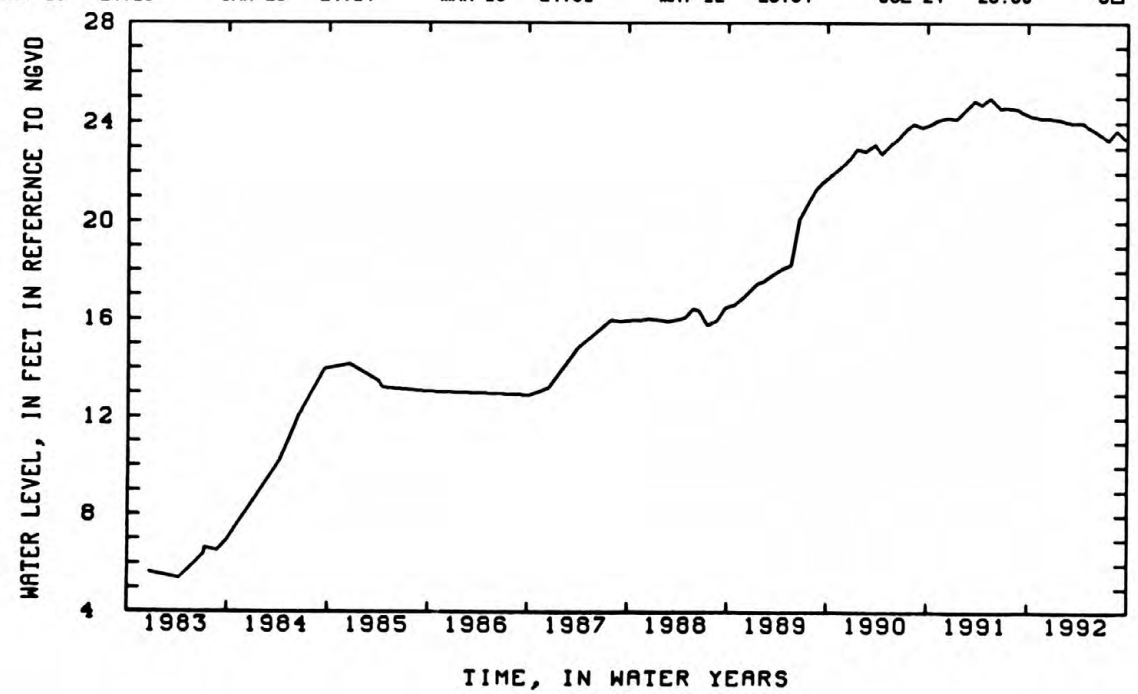
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.40	DEC 24	9.10	FEB 18	14.36	APR 20	14.55	JUL 16	13.41	AUG 28	13.30
NOV 4	13.56	JAN 21	14.56	MAR 16	14.07	JUN 15	13.79	AUG 25	12.95	SEP 25	13.56
21	13.74										



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 87 to 92 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 71.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.36 ft below land-surface datum.
REMARKS.--Replaced well N 1622.4 in June 1982.
PERIOD OF RECORD.--December 1982 to current year. Unpublished records from December 1982 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.98 ft NGVD, May 17, 1991; lowest measured, 5.39 ft NGVD, April 8, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

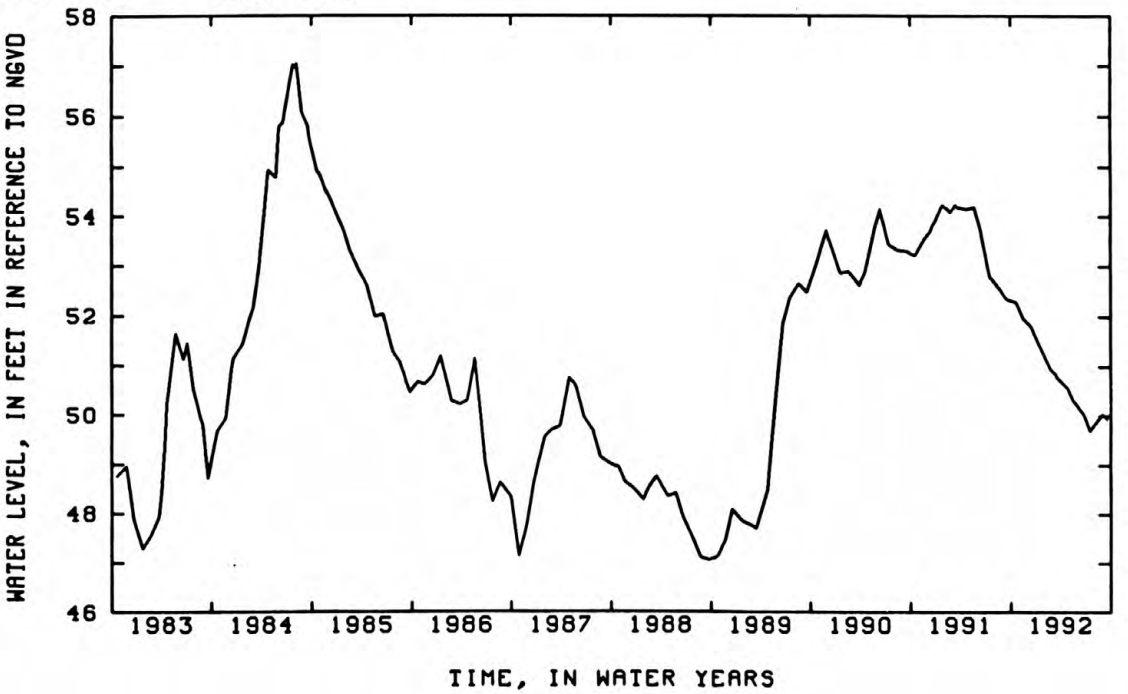
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	24.28	DEC 17	24.21	FEB 21	24.05	APR 21	24.01	JUN 26	23.52	AUG 20	23.71
NOV 18	24.19	JAN 23	24.14	MAR 16	24.01	MAY 12	23.84	JUL 24	23.30	SEP 22	23.39



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	52.28	JAN 28	51.27	MAR 18	50.78	APR 28	50.55	JUN 25	50.02	AUG 31	50.03
NOV 18	51.94	FEB 27	50.94	APR 23	50.59	MAY 15	50.32	JUL 17	49.70	SEP 15	49.94
DEC 16	51.79	MAR 12	50.86								



404451073475003. Local number, Q 283.2
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at City of New York storage facility, 50 ft south of Underhill Avenue, west of Fresh Meadow Lane, eastern most well, Flushing. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 26 in., depth 409 ft, screened 309 to 352 ft and 367 to 409 ft.
INSTRUMENTATION.--Measurement with chalked tape by 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, 9.44 ft NGVD, February 20, 1992; lowest measured, -27.40 ft NGVD, September 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.39	DEC 18	8.13	FEB 20	9.44	APR 15	8.87	JUN 23	7.44	AUG 26	6.89
NOV 14	6.67	JAN 22	9.11	MAR 18	8.27	MAY 12	8.47	JUL 16	6.57	SEP 17	5.67

403624073491601. Local number, Q 287.1
LOCATION.--Lat 40°36'24", long 73°49'16", Hydrologic Unit 02030202, at Broad Channel School, west side of Shad Creek Road, 131 ft south of 9th Road, Broad Channel. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 8 in., depth 725 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 8.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in. to 4-in. steel reducer bushing, 0.52 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--January 1944 to current year. Unpublished records from January 1944 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.23	DEC 17	6.68	FEB 20	7.49	APR 15	7.27	JUN 23	6.59	AUG 25	5.80
NOV 14	5.58	JAN 22	7.20	MAR 20	7.99	MAY 12	7.81	JUL 15	6.29	SEP 17	5.80

404541073452601. Local number, Q 470.1
LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at southbound side of Cross Island Parkway, 325 ft south of Northern Boulevard (Rt. 25A), southern most well, Bayside. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 6 in., depth 379 ft, screened 347 to 375 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel coupling, 0.73 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--January 1934 to current year. Unpublished records from January 1934 to January 1935, January 1940 to December 1940, and July 1954 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.23 ft NGVD, February 20, 1992; lowest measured, -7.44 ft NGVD, July 29, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.00	DEC 18	9.57	MAR 23	10.57	MAY 12	8.71	JUL 16	5.64	AUG 26	4.97
NOV 7	6.51	JAN 23	11.10	APR 15	9.75	JUN 29	7.35	AUG 25	4.61	SEP 16	5.17
14	6.50	FEB 20	11.23								

404541073452602. Local number, Q 471.1
LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at southbound side of Cross Island Parkway, 313 ft south of Northern Boulevard (Rt. 25A), northern most well, Bayside. Owner: City of New York.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.-- Drilled steel observation well, diameter 8 in., depth 118 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel flange, 5.22 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1939 to current year. Unpublished records from March 1939 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.15 ft NGVD, April 3, 1991; lowest measured, 12.83 ft NGVD, April 19, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	18.02	DEC 18	17.95	MAR 23	17.88	MAY 12	17.19	JUL 16	17.32	AUG 26	17.38
NOV 7	18.08	JAN 23	17.99	APR 15	17.85	JUN 29	17.38	AUG 25	17.47	SEP 16	17.31
14	18.09	FEB 20	17.61								

403454073495602. Local number, Q 1071.2
LOCATION.--Lat 40°34'54", long 73°49'56", Hydrologic Unit 02030202, at abandoned pump house, 142 ft north of Rockaway Beach Boulevard (Marks Avenue), between 109th Street and 110th Street, Rockaway Park. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 12 in. to 2 in., depth 836 ft, screened 771 to 836 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 9.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel extension, 2.24 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
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, 7.73 ft NGVD, March 20, 1992; lowest measured, 1.17 ft NGVD, October 11, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.11	DEC 17	6.10	MAR 20	7.73	MAY 12	7.52	JUL 15	6.06	AUG 25	5.24
NOV 14	5.23	FEB 20	7.22	APR 15	6.88	JUN 23	6.31				

403958073445801. Local number, Q 1187.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at south side of North Conduit, 1775 ft west of 225th Street, western most well, in ravine, Rosedale. Owner: City of New York.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 130 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of small hole in 8-in. steel cap, 4.71 ft above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.58 ft NGVD, March 22, 1991; lowest measured, 2.26 ft NGVD, June 22, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	7.20	JAN 22	7.22	MAR 17	6.95	MAY 13	7.55	JUN 23	7.43	AUG 26	7.95
NOV 14	7.08	FEB 20	7.23	APR 15	7.46	JUN 17	7.40	JUL 16	7.29	SEP 17	7.65
DEC 19	7.23										

403958073445801. Local number, Q 1189.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at southside of North Conduit, 1790 ft west of 225th Street, eastern most well, in ravine, Rosedale. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of small hole in 6-in. steel cap, 1.76 above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, June 21, 1989; lowest measured, 1.86 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	5.83	JAN 22	5.83	MAR 17	7.38	MAY 13	6.26	JUN 23	6.09	AUG 26	6.74
NOV 14	6.71	FEB 20	5.80	APR 15	6.16	JUN 17	6.15	JUL 16	5.97	SEP 17	6.26
DEC 19	5.93										

403959073474401. Local number, Q 1237.1
LOCATION.--Lat 40°39'59", long 73°47'44", Hydrologic Unit 02030202, at south side of exit ramp from John F. Kennedy International Airport, just east of Van Wyck Expressway approach ramp, South Ozone Park. Owner: City of New York.
AQUIFER.--Jamaco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 227 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 1 1/4-in. steel reducer, 0.88 ft below land-surface datum.
PERIOD OF RECORD.--December 1950 to current year. Unpublished records from December 1950 to September are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.24 ft NGVD, April 16, 1991; lowest measured, -4.55 ft NGVD, July 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	5.30	DEC 18	5.05	FEB 20	5.33	APR 15	4.42	JUN 23	4.54	AUG 26	4.42
NOV 15	5.41	JAN 22	5.11	MAR 17	4.67	MAY 13	4.78	JUL 16	3.53	SEP 17	4.37

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	19.83	DEC 19	20.09	FEB 20	19.86	APR 15	19.46	JUN 23	19.04	AUG 26	19.00
NOV 14	19.87	JAN 23	19.69	MAR 17	19.76	MAY 13	19.28	JUL 16	19.05	SEP 17	18.64

404302073481601. Local number, Q 1812.1
LOCATION.--Lat 40°43'02", long 73°48'16", Hydrologic Unit 02030202, at west side of 164th Street, 670 ft south of Goethals Avenue, at Queens General Hospital, Jamaica. Owner: Queens General Hospital.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel diffusion well, diameter 12 in., depth 250 ft, screened 195 to 245 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 115.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling at end of 2-in. steel extension, 0.93 ft below land-surface datum.
PERIOD OF RECORD.--January 1982 to current year. Unpublished records from January 1982 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.11 ft NGVD, April 15, 1992; lowest measured, -12.80 ft NGVD, December 17, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	16.04	DEC 18	16.52	FEB 20	16.58	APR 15	17.11	JUN 23	15.42	AUG 26	14.95
NOV 14	16.21	JAN 22	16.26	MAR 18	16.29	MAY 13	15.95	JUL 16	14.99	SEP 17	14.80

403957073495001. Local number, Q 2324.1
LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at north side of North Conduit Avenue, 66 ft east of entrance to Aqueduct Race Track, South Ozone Park. Owner: New York Racing Association.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 1/2 in., depth 91 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 1/2-in. steel coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.19 ft NGVD, June 20, 1989; lowest measured, -3.40 ft NGVD, May 25, 1959.

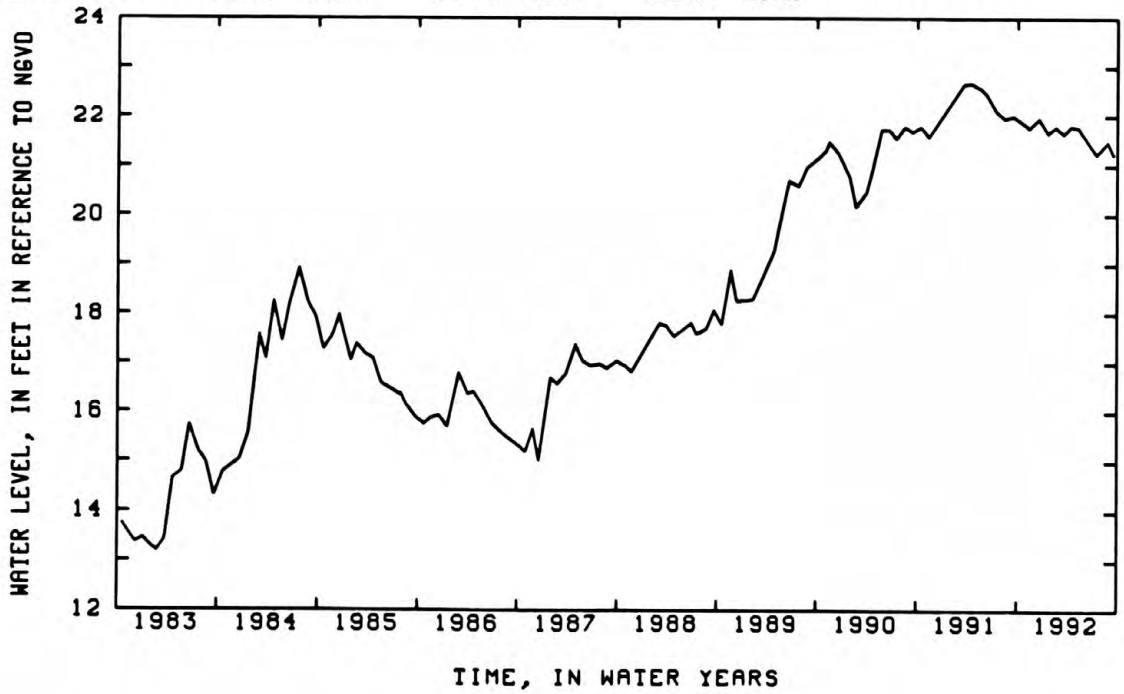
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.71	JAN 22	4.33	MAR 20	4.39	MAY 12	4.56	JUN 23	4.49	AUG 25	4.75
NOV 14	4.78	FEB 20	4.44	APR 15	4.36	JUN 17	4.44	JUL 15	4.46	SEP 17	4.52
DEC 17	4.55										

404451073475002. Local number, Q 2346.1
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at City of New York storage facility, 55 ft south of Underhill Avenue, west of Fresh Meadow Lane, western most well, Flushing. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 17 ft, screened 12 to 17 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 29.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1960 to current year. Unpublished records from August 1960 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.97 ft NGVD, October 17, 1991; lowest measured, 13.18 ft NGVD, February 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

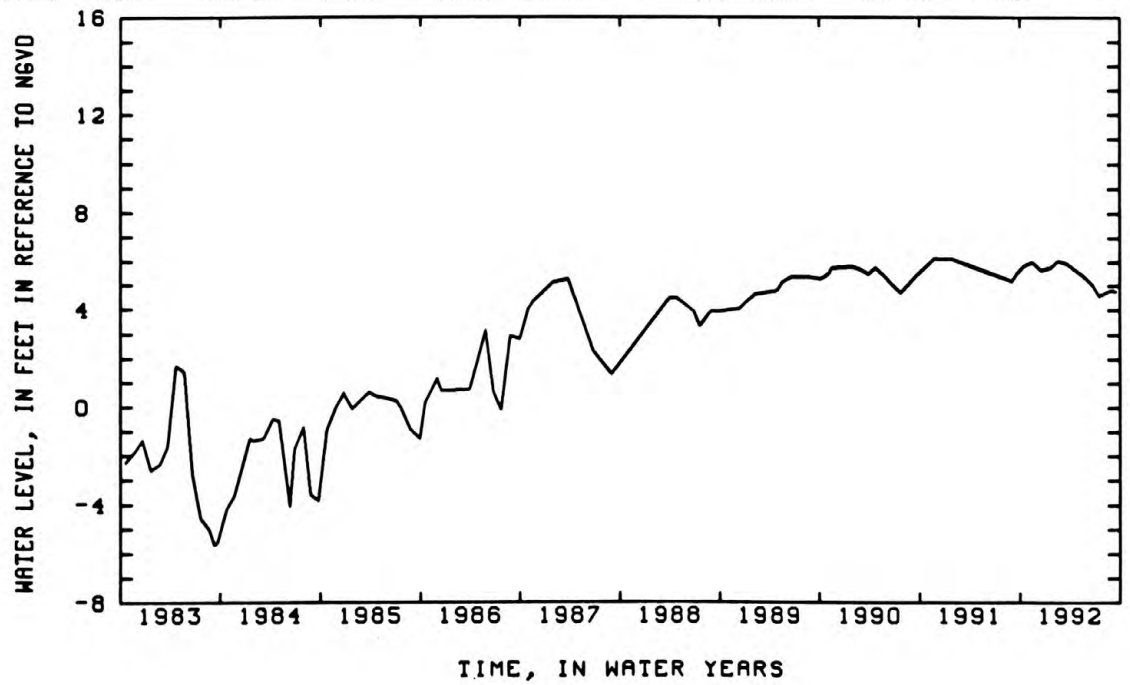
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14	21.77	JAN 22	21.66	MAR 18	21.65	MAY 12	21.77	AUG 26	21.48	SEP 17	21.23
DEC 18	21.97	FEB 20	21.79	APR 15	21.80	JUL 16	21.23				



404025073463801. Local number, Q 2422.1
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at Jamaica Water Supply Pumping Center, 140 ft west of Guy R. Brewer Boulevard, just south of 132nd Avenue, Jamaica. Owner: Jamaica Water Supply Company.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 370 ft, screened 342 to 362 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in. steel nipple at yellow arrow, 1.21 ft above land-surface datum.
PERIOD OF RECORD.--May 1964 to current year. Unpublished records from May 1964 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.16 ft NGVD, November 28, 1990; lowest measured, -5.65 ft NGVD, September 7, 1970, and September 9, 11, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	5.87	DEC 18	5.67	FEB 20	6.05	MAY 13	5.49	JUL 16	4.59	SEP 17	4.77
NOV 15	6.00	JAN 22	5.78	MAR 20	5.96	JUN 23	5.06	AUG 26	4.81		



404624073483501. Local number, Q 2791.1
LOCATION.--Lat 40°46'24", long 73°48'35", Hydrologic Unit 02030201, at Saint Mel's Roman Catholic Church, north side of 27th Avenue, 173 ft east of 154th Street, under steel doors, Flushing. Owner: Saint Mel's Roman Catholic Church.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel public supply well, diameter 6 in., depth 76 ft, screened 68 to 76 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 90.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Edge of 1/4-in. access hole in steel cap, 3.27 ft below land-surface datum.
PERIOD OF RECORD.--May 1981 to current year. Unpublished records from May 1981 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.23 ft NGVD, June 27, 1984; lowest measured, 50.17 ft NGVD, April 2, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	54.99	DEC 18	54.48	FEB 20	53.87	APR 14	53.93	JUN 23	53.91	SEP 17	53.99
NOV 14	54.63	JAN 22	54.14	MAR 18	53.74	JUN 18	53.93	JUL 16	53.65		

403932073482901. Local number, Q 3109.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Cricle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, northern most well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 400 ft, screened 290 to 310 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 1.30 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.83 ft NGVD, October 26, 1990; lowest measured, -1.32 ft NGVD, September 26, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.25	JAN 22	2.92	MAR 18	2.85	MAY 12	3.20	JUN 23	3.07	AUG 25	3.00
NOV 14	3.39	FEB 20	3.23	APR 15	3.01	JUN 16	2.94	JUL 15	2.64	SEP 17	3.04
DEC 17	2.96										

403932073482902. Local number, Q 3114.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Circle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, southern most well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 31 ft, screened 29 to 31 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.26 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.25	JAN 22	2.66	MAR 18	3.65	MAY 12	3.21	JUN 23	3.05	AUG 25	3.35
NOV 14	3.09	FEB 20	2.83	APR 15	2.92	JUN 16	2.94	JUL 15	3.08	SEP 17	3.16
DEC 17	2.95										

404831073543901. Local number, Q 3121.1
LOCATION.--Lat 40°48'31", long 73°54'39", Hydrologic Unit 02030201, at south side of 24th Avenue, 62 ft west of 32nd Street, Astoria. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screened 44 to 47 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1982 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.54 ft NGVD, June 27, 1984; lowest measured, 19.83 ft NGVD, October 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	24.13	JAN 22	23.76	MAR 18	23.47	MAY 12	23.59	JUN 23	23.69	AUG 25	23.67
NOV 14	23.99	FEB 19	24.56	APR 14	24.52	JUN 18	23.64	JUL 15	23.60	SEP 16	23.65
DEC 18	23.90										

404516073550201. Local number, Q 3122.1
LOCATION.--Lat 40°45'16", long 73°55'02", Hydrologic Unit 02030201, at east side of 29th Street, 42 ft south of 38th Avenue, Long Island City. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screened 44 to 47 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 45.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.09 ft above land-surface datum.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.27 ft NGVD, December 22, 1980; lowest measured, 11.72 ft NGVD, September 22, 1981.

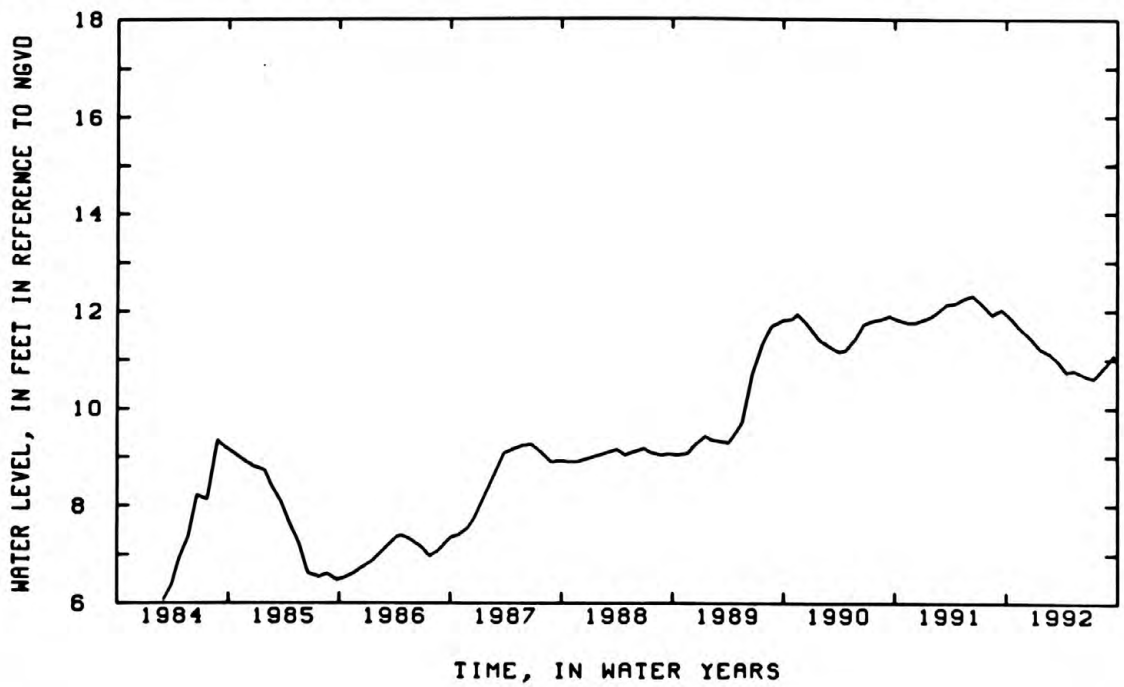
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	13.75	DEC 18	13.39	FEB 19	13.14	APR 14	12.89	JUN 23	12.76	AUG 25	12.93
NOV 14	13.54	JAN 22	13.19	MAR 18	12.90	MAY 12	12.81	JUL 15	12.78	SEP 16	13.04

404112073500901. Local number, Q 3160.1
LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at west side of 108th Street, 196 ft south of 101st Avenue, Woodhaven. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 65 ft, screened 60 to 65 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 45.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft NGVD, June 13, 1991; lowest measured, 6.08 ft NGVD, March 2, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	11.86	DEC 18	11.47	FEB 20	11.12	APR 15	10.75	JUN 23	10.66	AUG 26	10.92
NOV 14	11.65	JAN 22	11.22	MAR 17	10.98	MAY 13	10.77	JUL 16	10.62	SEP 17	11.10



404119073463601. Local number, Q 3162.1
LOCATION.--Lat 40°41'19", long 73°46'36", Hydrologic Unit 02030202, at east side of 172nd Street, 66 ft north of 116th Avenue, Rochdale Village. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 44 ft, screened 39 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 27.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.53 ft NGVD, June 21, 1989; lowest measured, 9.62 ft NGVD, May 15, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	13.51	DEC 18	13.11	FEB 20	12.90	APR 15	13.10	JUN 23	13.24	AUG 26	13.98
NOV 15	13.02	JAN 22	12.90	MAR 17	12.95	MAY 13	13.17	JUL 16	13.41	SEP 17	13.54

404143073482701. Local number, Q 3165.1
LOCATION.--Lat 40°41'43", long 73°48'27", Hydrologic Unit 02030202, at east side of Liverpool Street, 54 ft north of 101st Avenue, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 65 ft, screened 60 to 65 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 41.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.59 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.27 ft NGVD, June 13, 1991; lowest measured, 7.28 ft NGVD, March 2, 1984.

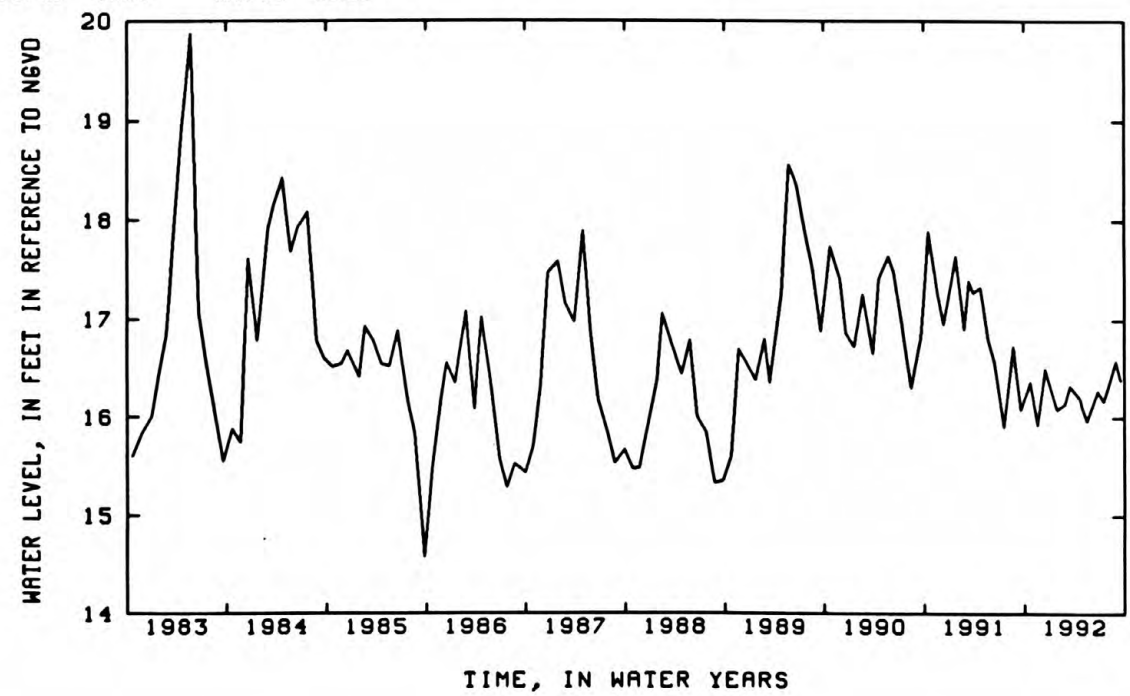
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	16.34	DEC 18	15.91	FEB 20	15.68	APR 15	15.50	JUN 23	15.66	AUG 26	16.06
NOV 15	16.08	JAN 22	15.71	MAR 17	15.59	MAY 13	15.61	JUL 16	15.70	SEP 17	16.14

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

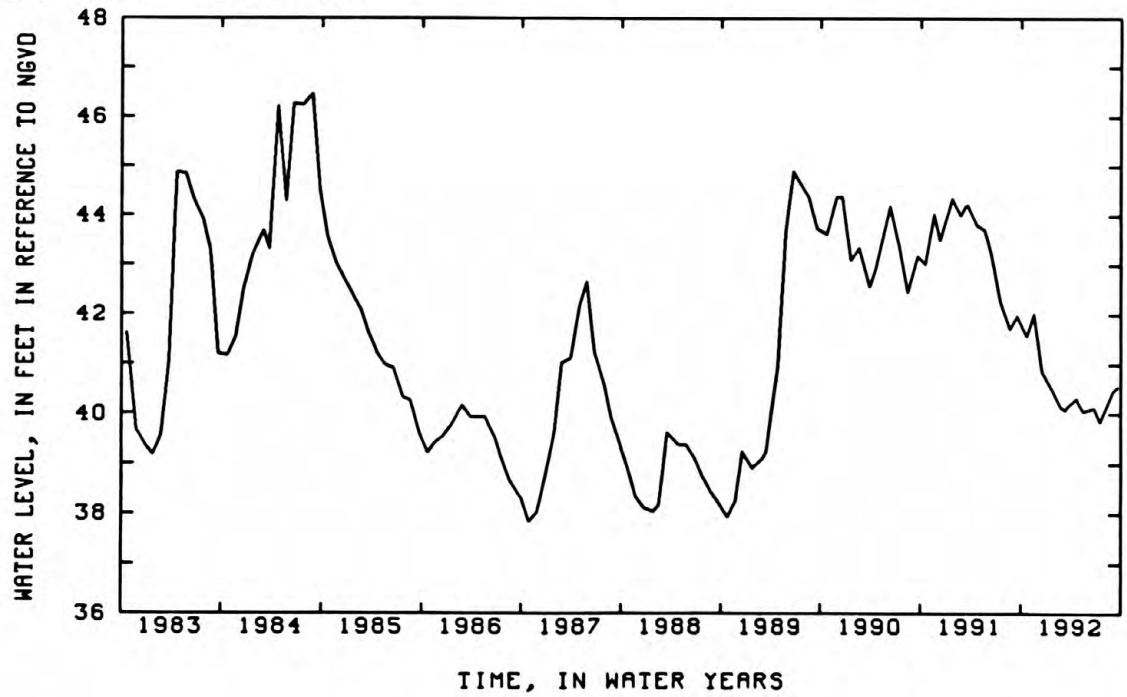
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	16.37	JAN 28	16.09	MAR 16	16.33	APR 28	16.13	JUN 25	16.28	AUG 31	16.58
NOV 18	15.93	FEB 27	16.14	APR 23	16.19	MAY 15	15.97	JUL 17	16.17	SEP 15	16.39
DEC 16	16.60	MAR 12	16.31								



404301073240901. Local number, S 1805.4
LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at south side of State Route 109, west of Albany Avenue, Maywood. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 33 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 57.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 2.02 ft above land-surface datum.
REMARKS.--Replaced well S 1805.3 in October 1953 at same location. Unpublished records from October 1912 to September 1975 for wells S 1805.1 to S 1805.3 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--October 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.47 ft NGVD, August 27, 1984; lowest measured, 35.79 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

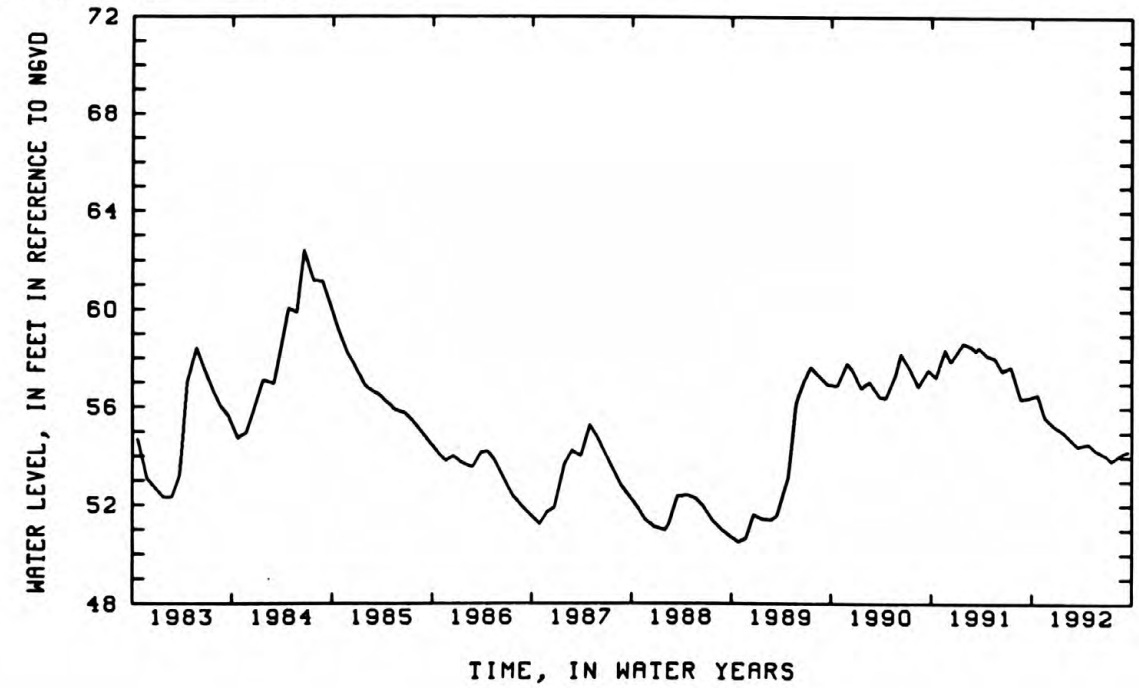
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	41.58	JAN 28	40.45	MAR 16	40.13	APR 28	40.25	JUN 25	40.12	AUG 31	40.43
NOV 18	42.02	FEB 27	40.13	APR 23	40.32	MAY 15	40.06	JUL 17	39.85	SEP 15	40.54
DEC 16	40.88	MAR 12	40.08								



404442073240501. Local number, S 1806.3
LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at west side of Wellwood Avenue, north of Conklin Street, south of railroad tracks, Pinelawn. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 1 1/4 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 85.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.
REMARKS.--Replaced well S 1806.2 in August 1977 at same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S 1806.1 to S 1806.2 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--August 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft NGVD, June 20, 1984; lowest measured, 50.50 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

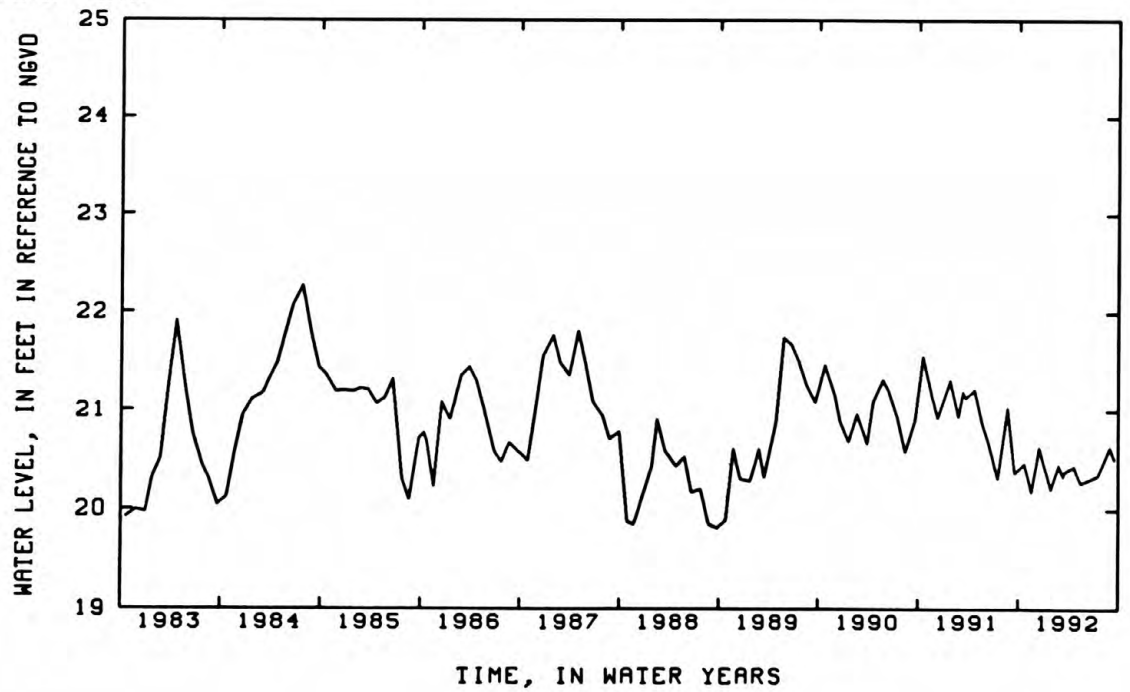
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	56.57	JAN 28	54.97	MAR 16	54.45	APR 28	54.50	JUN 25	54.07	AUG 31	54.17
NOV 18	55.60	FEB 27	54.64	APR 23	54.53	MAY 15	54.30	JUL 17	53.84	SEP 15	54.22
DEC 16	55.30	MAR 12	54.49								



404319073184601. Local number, S 1807.5
LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at east side of Higbie Lane, north of Martin Drive, West Islip. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 21 ft, screened 19 to 21 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 23.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel coupling, 0.21 ft above land-surface datum.
REMARKS.--Replaced well S 1807.4 in July 1976 at same location. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, for wells S 1807.1 to S 1807.4 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--July 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.30 ft NGVD, January 24, 1979; lowest measured, 19.26 ft NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

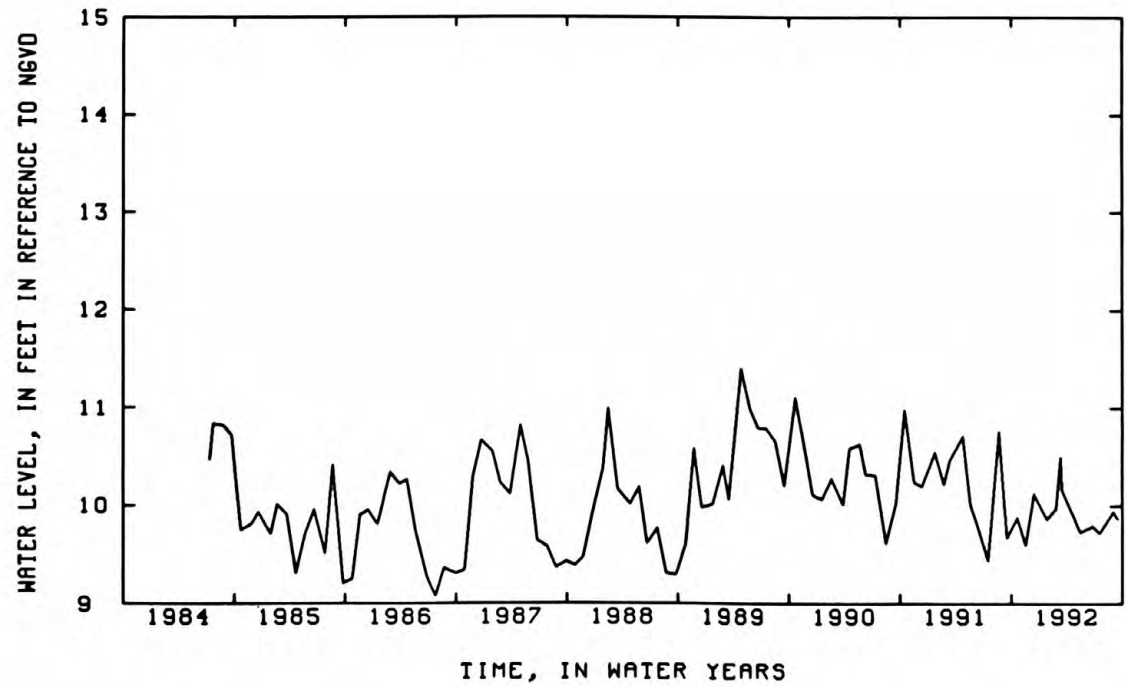
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	20.47	JAN 28	20.21	MAR 12	20.33	APR 23	20.44	MAY 15	20.27	AUG 31	20.63
NOV 18	20.18	FEB 27	20.45	16	20.37	28	20.39	JUL 17	20.34	SEP 15	20.51
DEC 16	20.63										



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

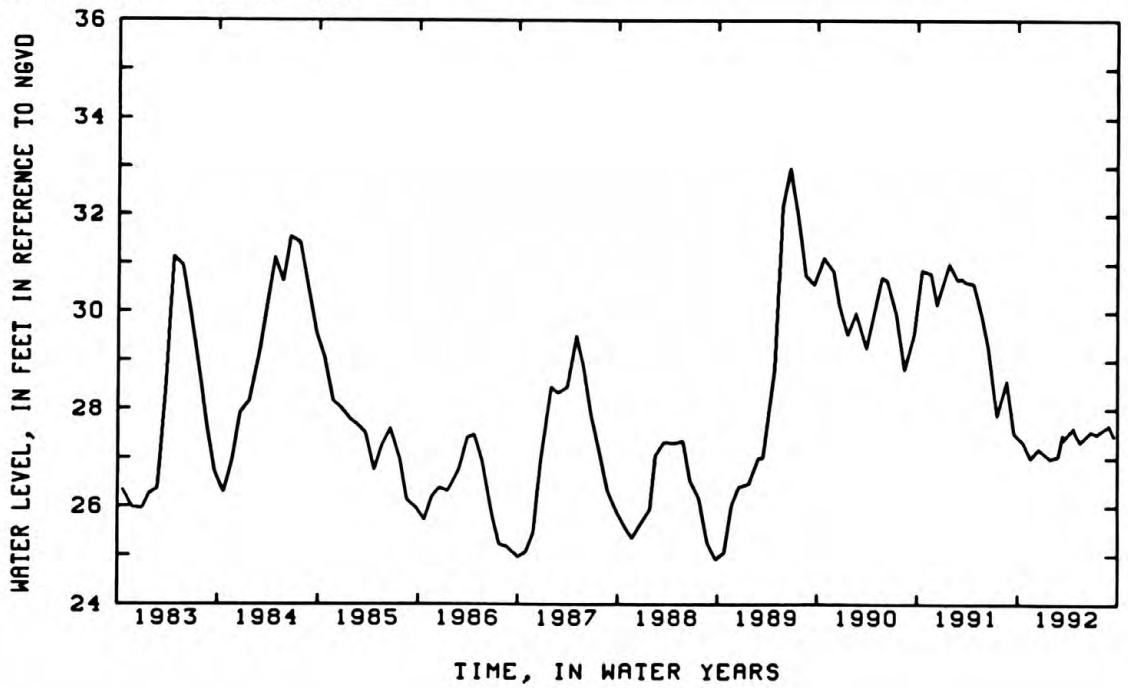
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.88	JAN 28	9.86	MAR 12	10.50	APR 28	9.86	JUN 25	9.79	AUG 31	9.94
NOV 18	9.60	FEB 27	9.97	16	10.17	MAY 15	9.73	JUL 17	9.72	SEP 15	9.87
DEC 16	10.12										



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

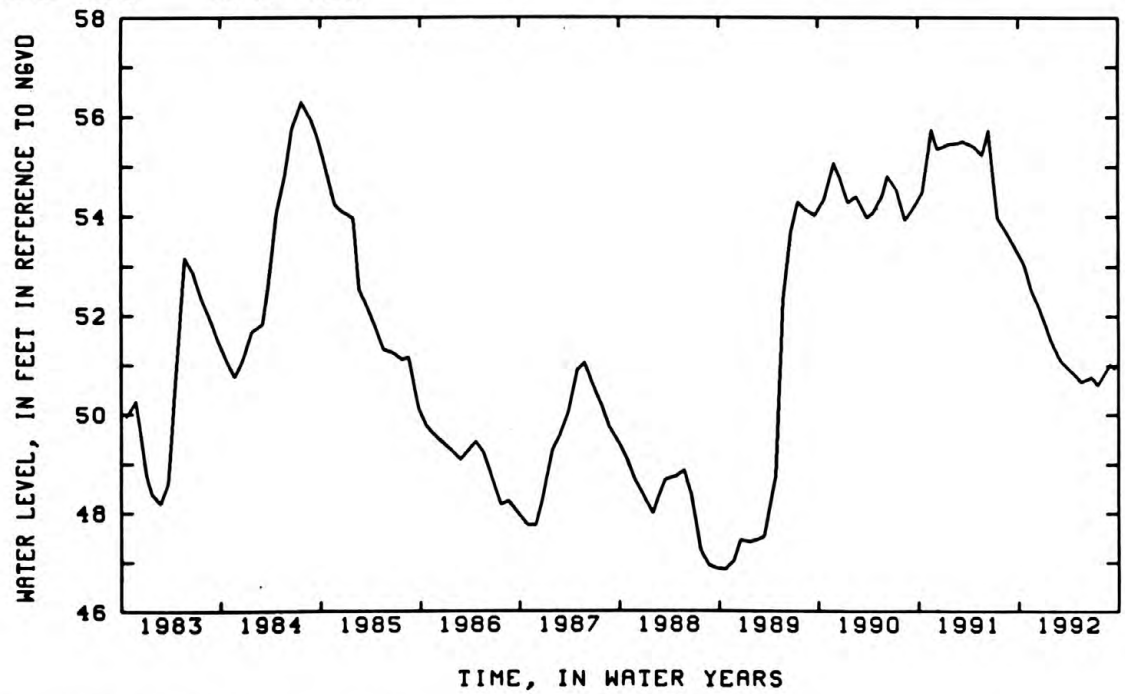
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	27.31	JAN 28	26.99	MAR 16	27.38	APR 28	27.53	JUN 25	27.55	AUG 31	27.68
NOV 18	27.00	FEB 27	27.04	APR 23	27.63	MAY 15	27.33	JUL 17	27.49	SEP 15	27.46
DEC 16	27.19	MAR 12	27.48								



404614073164401. Local number, S 1810.4
LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at west side of North Gardiner Drive at house 1712, south of Pine Aire Drive, Pine Aire. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 90.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 1.00 ft below land-surface datum.
REMARKS.--Replaced well S 1810.3 in November 1975 at same location. Unpublished records from October 1912 to November 1914, and August 1932 to September 1975, for wells S 1810.1 to S 1810.3 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.28 ft NGVD, July 23, 1984; lowest measured, 46.86 ft NGVD, October 26, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	53.04	JAN 28	51.51	MAR 17	51.01	APR 28	50.80	JUN 25	50.77	AUG 31	51.03
NOV 18	52.52	FEB 27	51.17	APR 23	50.82	MAY 15	50.68	JUL 17	50.61	SEP 15	50.95
DEC 16	52.17	MAR 12	51.04								



404957073073401. Local number, S 1811.2
LOCATION.--Lat 40°49'57", long 73°07'37", Hydrologic Unit 02030202, at Shore Road, south of Smithtown Boulevard, north of Lake Ronkonkoma, Lake Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 31 ft, screend 28 to 31 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 57.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.17 ft below land-surface datum.
REMARKS.--Replaced well S 1811.1 in March 1987 at same location. Unpublished records form April 1937 to September 1978 for well S 1811.1 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.92 ft NGVD, June 6, 1991; lowest measured, 53.29 ft NGVD, September 30, 1988.

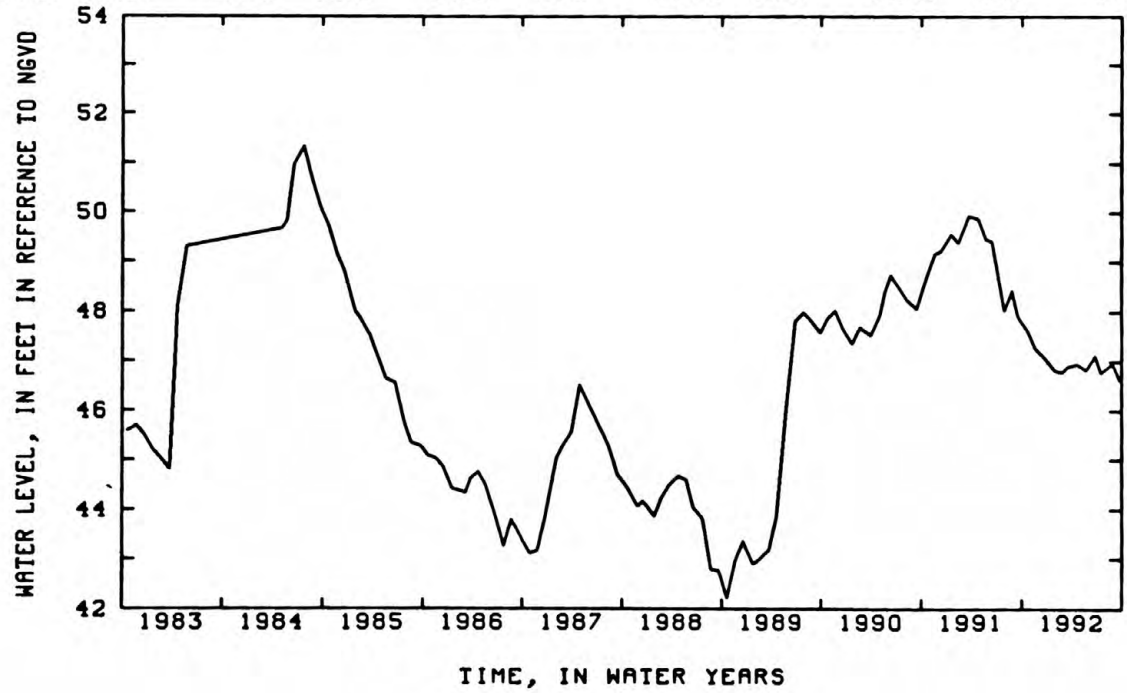
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	57.05	JAN 31	56.75	MAR 18	56.61	MAY 22	56.17	JUL 21	55.89	AUG 27	56.06
NOV 20	56.68	FEB 27	56.70	APR 21	56.45	JUN 25	56.25	22	55.90	SEP 24	55.76
DEC 16	56.85										

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

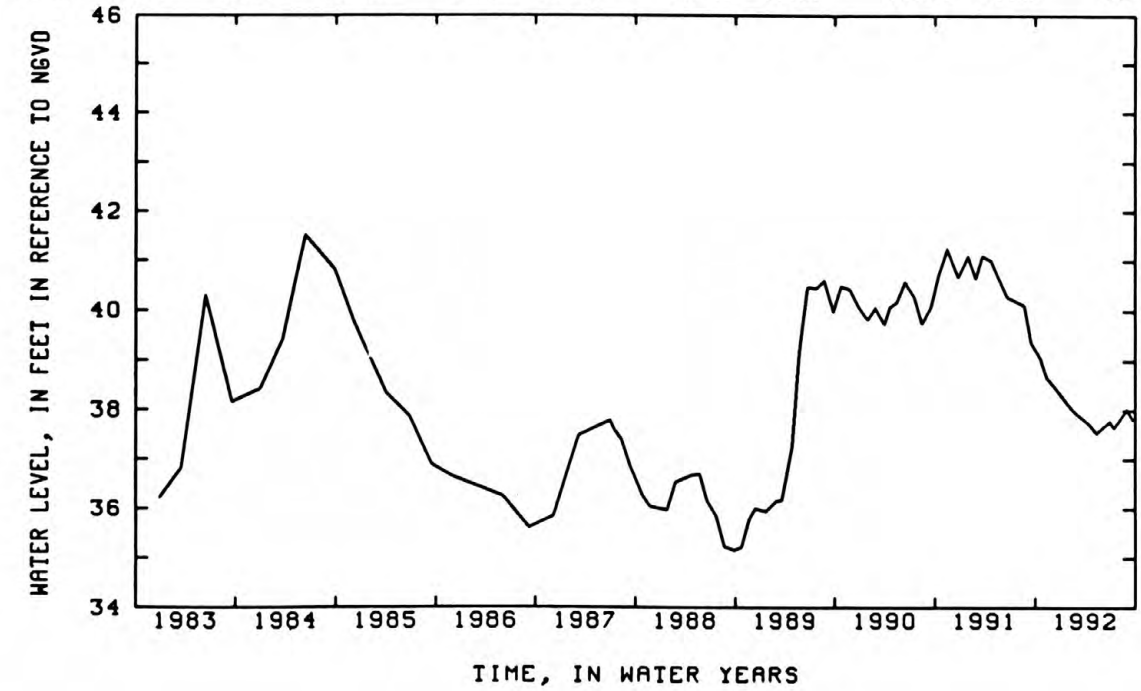
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	47.63	DEC 16	47.13	FEB 27	46.79	APR 21	46.95	JUN 25	47.12	AUG 27	46.96
NOV 20	47.26	JAN 31	46.82	MAR 17	46.89	MAY 22	46.83	JUL 17	46.77	SEP 24	46.62



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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

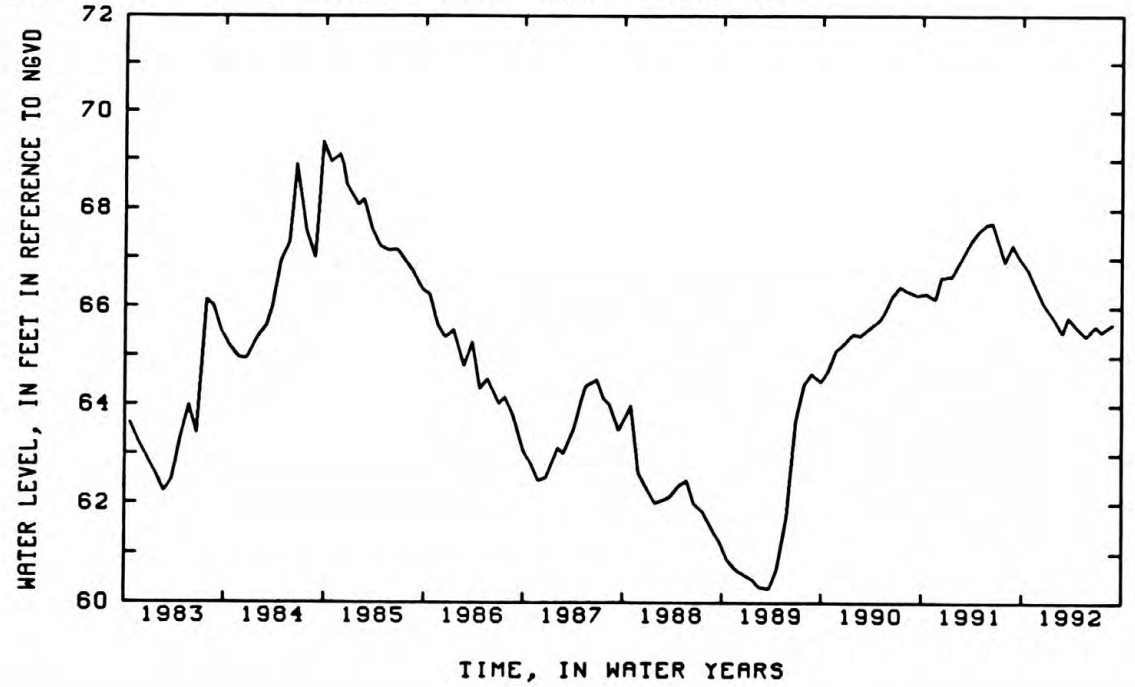
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	39.05	DEC 20	38.41	FEB 19	37.99	APR 13	37.74	JUN 29	37.78	AUG 31	38.03
NOV 13	38.66	JAN 27	38.15	MAR 17	37.86	MAY 11	37.54	JUL 14	37.65	SEP 22	37.82



405146073031801. Local number, S 3513.1
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at south side of State Route 25, 235 ft west of High View Drive, Selden. Owner: New York Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 4 in., depth 65 ft, screened 63 to 65 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 101.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 1 1/4-in. steel reducer, 1.31 ft above land-surface datum.
PERIOD OF RECORD.--April 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft NGVD, May 29, 1979; lowest measured, 56.06 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

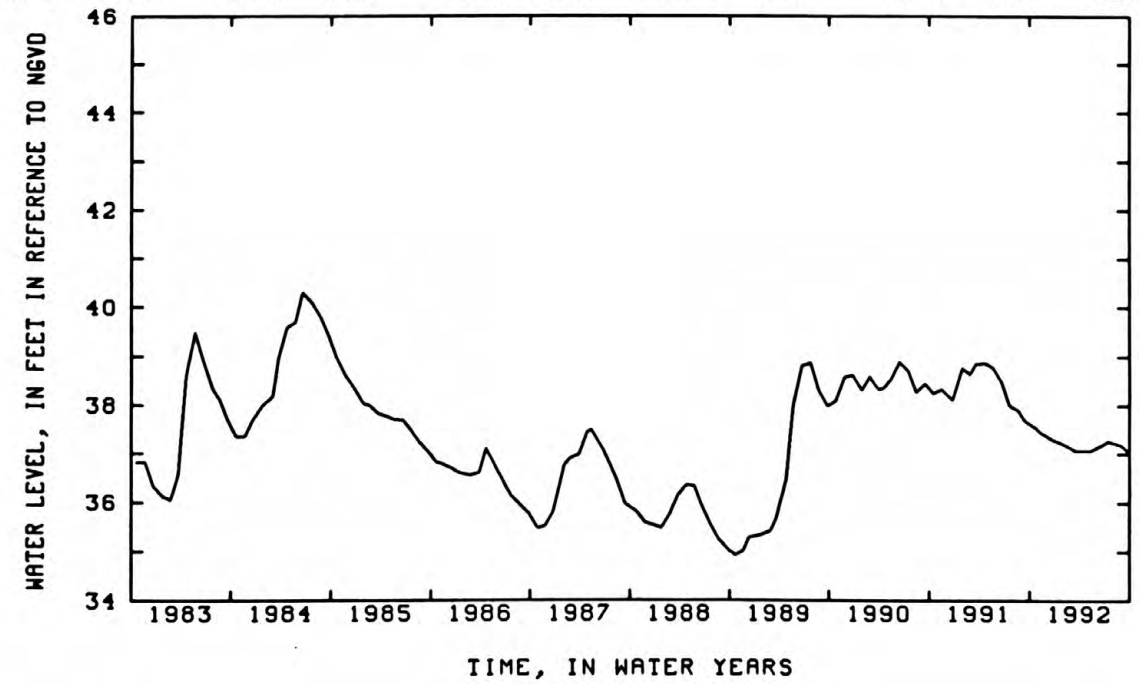
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	66.78	JAN 31	65.74	MAR 18	65.81	MAY 22	65.41	JUL 17	65.50	AUG 27	65.67
DEC 16	66.11	FEB 27	65.48	APR 21	65.59	JUN 25	65.63				



404812073004101. Local number, S 3521.1
LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at west side of Old Medford Avenue, 237 ft north of Cedar Avenue, Medford. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 71.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.77 ft above land-surface datum.
PERIOD OF RECORD.--January 1907 to current year. Unpublished records from January 1907 to July 1909, April 1942 to September 1975, are available in files of 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 1991 TO SEPTEMBER 1992

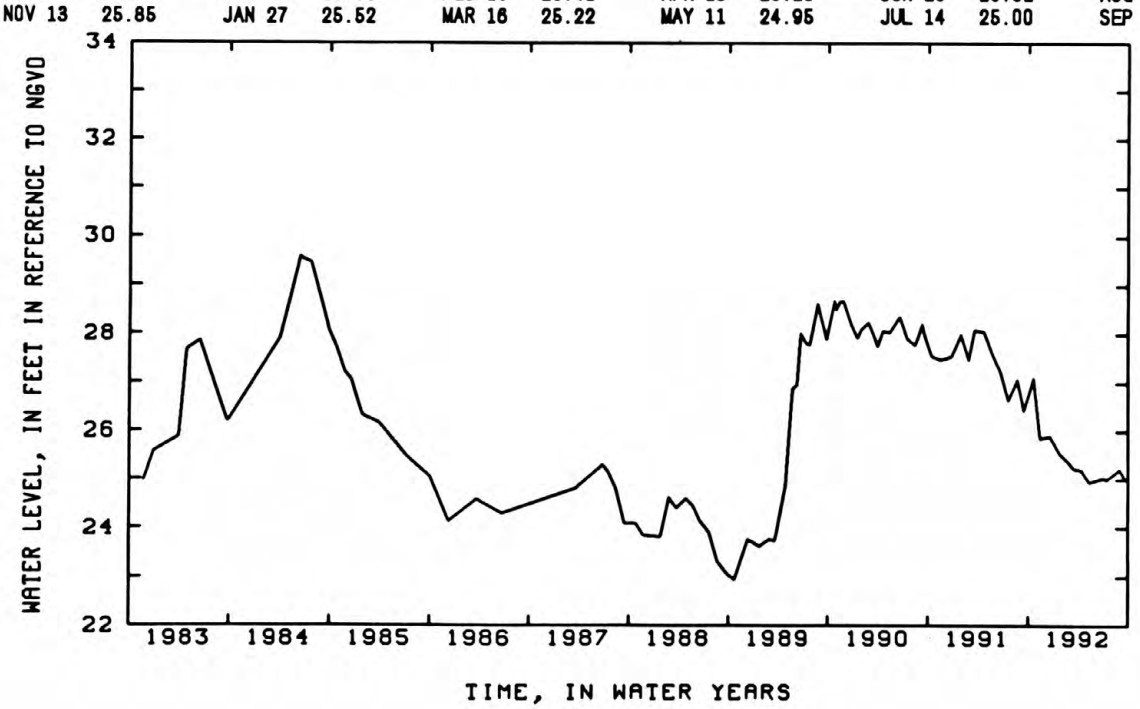
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.55	DEC 20	37.31	FEB 19	37.16	APR 13	37.07	JUN 29	37.21	AUG 31	37.19
NOV 13	37.43	JAN 27	37.23	MAR 16	37.07	MAY 11	37.07	JUL 14	37.27	SEP 22	37.07



404806072553802. Local number, S 3529.2
LOCATION.--Lat 40°48'01", long 72°55'38", Hydrologic Unit 02030202, at entrance to Brookhaven Landfill, south of Horseblock Road, South Yapank. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 34.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 3.11 ft above land-surface datum.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.59 ft NGVD, June 14, 1984; lowest measured, 22.94 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

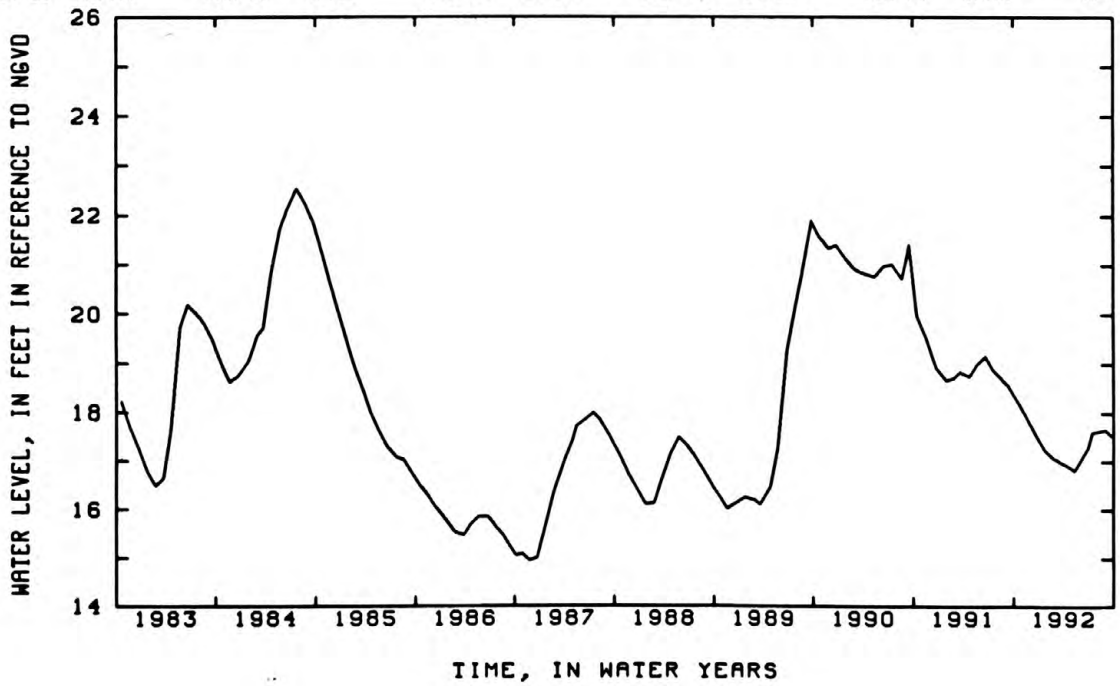
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	27.10	DEC 20	25.90	FEB 19	25.41	APR 13	25.20	JUN 29	25.02	AUG 31	25.21
NOV 13	25.85	JAN 27	25.52	MAR 16	25.22	MAY 11	24.95	JUL 14	25.00	SEP 22	25.00



405037072390301. Local number, S 3543.1
LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Stewart Avenue, 0.25 miles west of Old Riverhead Road, 226 ft north on dirt path, West Hampton. Owner: City of New York.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 58 ft, screened 56 to 58 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.34 ft above land-surface datum.
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.53 ft NGVD, July 23, 1984; lowest measured, 14.94 ft NGVD, November 25, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	18.21	DEC 20	17.56	FEB 19	17.09	APR 13	16.92	JUN 29	17.31	AUG 31	17.65
NOV 13	17.97	JAN 27	17.23	MAR 16	17.00	MAY 11	16.82	JUL 14	17.60	SEP 22	17.54



405145072592501. Local number, S 3870.1
LOCATION.--Lat 40°51'45", long 72°59'25", Hydrologic Unit 02030202, at south side of Coram Yapank Road, 115 ft west of Overton Road, Coram. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 43 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 87.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 1.11 ft above land-surfale datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.86 ft NGVD, June 27, 1979; lowest measured, 49.54 ft NGVD, October 26, 1966.

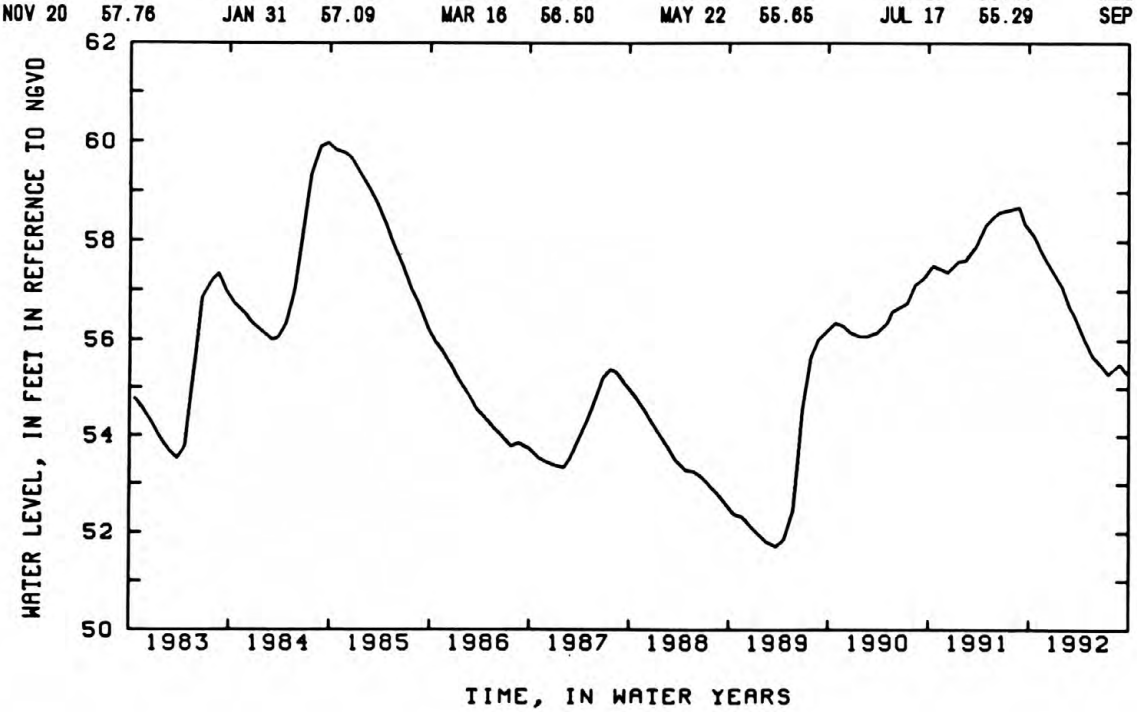
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	57.82	DEC 16	57.29	FEB 27	56.68	APR 21	56.32	JUN 25	56.08	AUG 27	55.74
NOV 20	57.53	JAN 31	56.92	MAR 16	56.49	MAY 22	56.16	JUL 17	55.94	SEP 24	55.55

405343073055004. Local number, S 3955.4
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at west side of Mark Tree Road, south of Pond Path, Setauket. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 123.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.24 ft below land-surface datum.
REMARKS.--Replaced well S 3955.3 in April 1975 at same location. Unpublished records from September 1944 to September 1975 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft NGVD, June 21, 1979; lowest measured, 51.70 ft NGVD, March 22, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

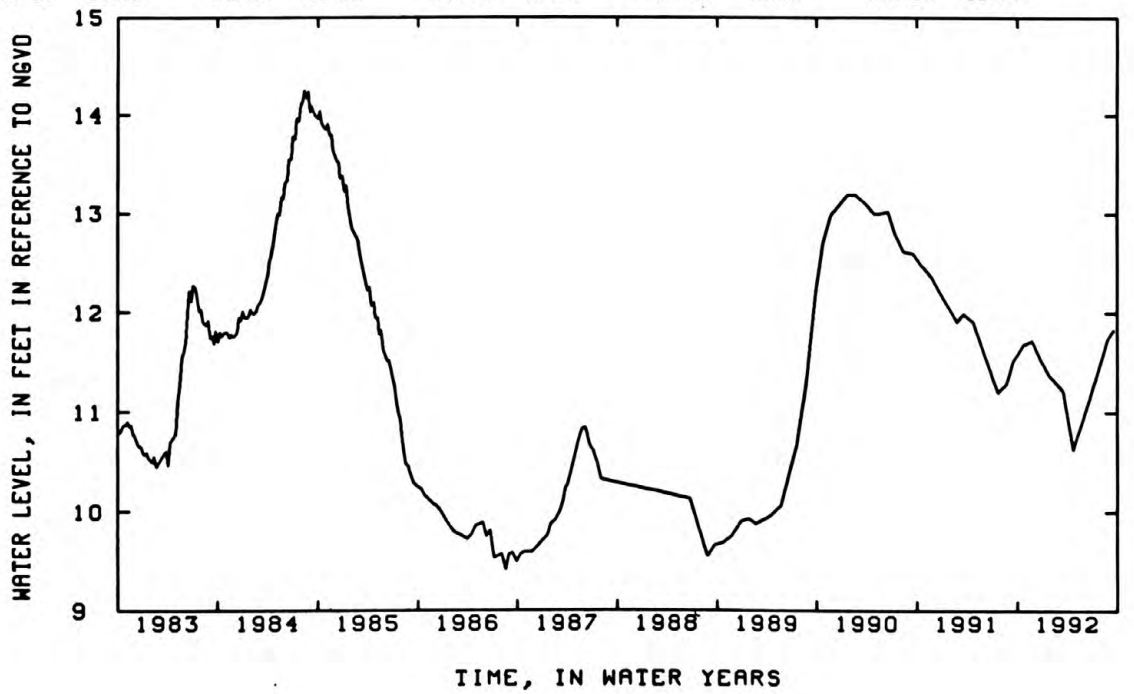
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	58.09	DEC 16	57.51	FEB 27	56.71	APR 21	56.03	JUN 25	55.45	AUG 27	55.50
NOV 20	57.76	JAN 31	57.09	MAR 16	56.50	MAY 22	55.65	JUL 17	55.29	SEP 24	55.30



405743072425701. Local number, S 4271.1
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Horton Avenue south of Sound Avenue, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 105 ft, screened 100 to 105 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 100.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 1.14 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	11.68	DEC 30	11.51	FEB 20	11.31	APR 23	10.64	JUL 22	11.44	SEP 17	11.83
NOV 26	11.72	JAN 30	11.36	MAR 18	11.21	MAY 21	10.87	AUG 26	11.74		



405607072393502. Local number, S 4523.2
LOCATION.--Lat 40°56'07", long 72°39'35", Hydrologic Unit 02030202, at west side of Northville Turnpike, 94 ft south of Old Country Road, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 13 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 17.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC casing, 0.01 ft below land-surface datum.
PERIOD OF RECORD.--September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.43 ft NGVD, June 22, 1984; lowest measured, 6.79 ft NGVD, September 14, 1981.

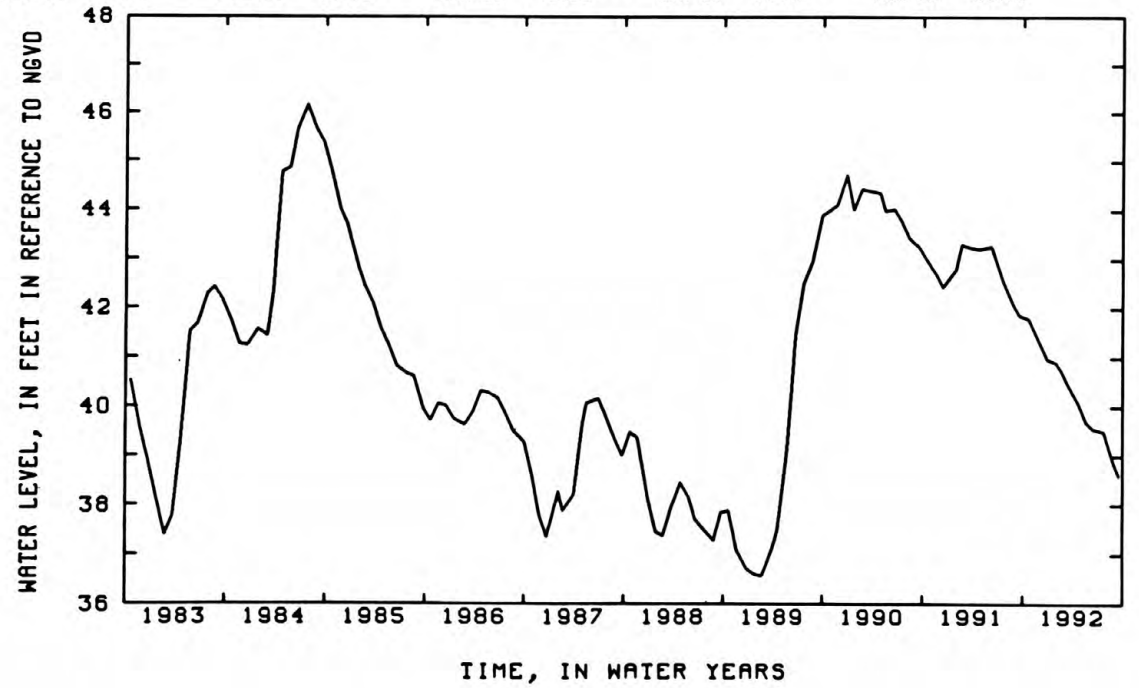
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	9.45	DEC 30	9.71	FEB 20	9.67	APR 23	9.60	JUN 16	10.04	AUG 26	9.57
NOV 26	9.55	JAN 30	9.70	MAR 18	9.56	MAY 21	9.35	JUL 22	9.30	SEP 17	9.56

405149072532201. Local number, S 5517.1
LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at northwest corner of Princeton Avenue and Upton Road, 77 ft south of parking field. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 91 ft, screened 85 to 91 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 115.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft NGVD, June 25, 1958; lowest measured, 33.34 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

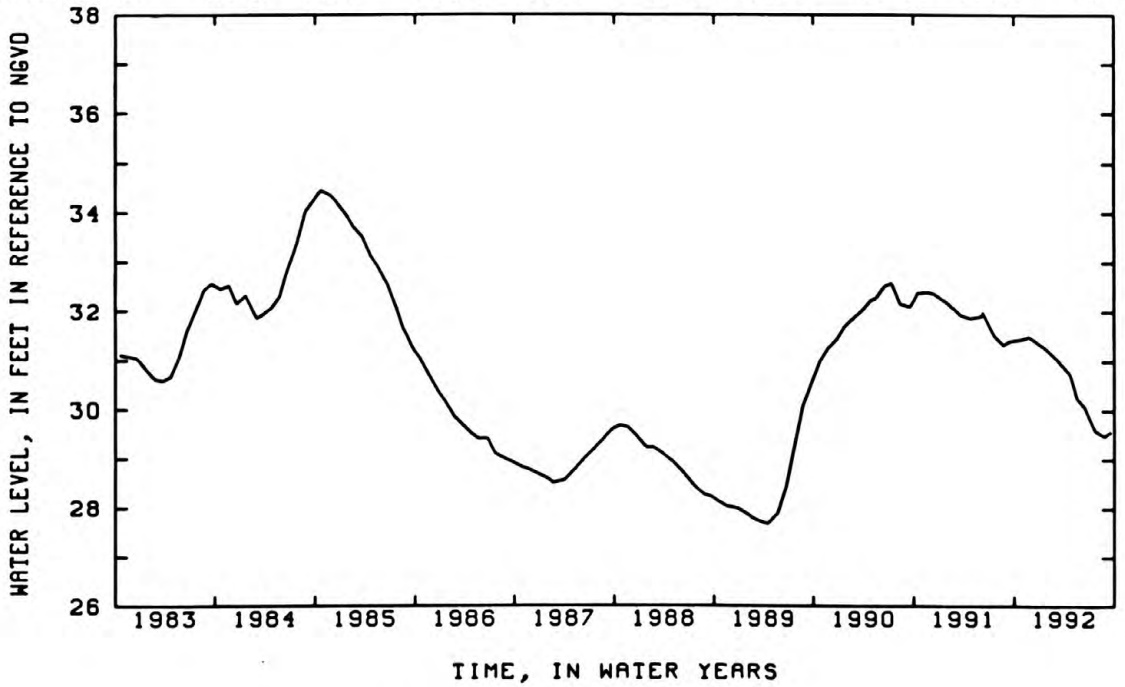
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	41.79	JAN 30	40.90	MAR 13	40.47	MAY 21	39.68	JUL 22	39.50	SEP 17	38.61
DEC 30	40.97	FEB 20	40.75	APR 23	40.06	JUN 16	39.55	AUG 26	38.89		



405650072541801. Local number, S 6411.1
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at south side of State Route 25A, 86 ft east of Ridge Road, Shoreham. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 149 ft, screened 143 to 149 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 138.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 1.73 ft above land-surface datum.
PERIOD OF RECORD.--November 1948 to current year. Unpublished records from November 1948 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.49 ft NGVD, July 26 and August 28, 1979; lowest measured, 25.15 ft NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	31.44	DEC 30	31.36	FEB 20	31.13	APR 23	30.74	JUN 16	30.07	AUG 26	29.49
NOV 26	31.49	JAN 30	31.24	MAR 17	30.97	MAY 19	30.26	JUL 22	29.59	SEP 17	29.56



405308072553101. Local number, S 6413.1
LOCATION.--Lat 40°53'08", long 72°55'31", Hydrologic Unit 02030202, at south side of State Route 25, 70 ft east of Woodville Road, Middle Island. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 108 ft, screened 103 to 108 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 93.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel meter box rim at yellow arrow, 0.13 ft above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.16 ft NGVD, April 12, 1979; lowest measured, 42.40 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	50.91	DEC 30	50.74	FEB 20	50.57	APR 23	50.36	JUN 16	51.09	AUG 26	50.76
NOV 26	51.13	JAN 30	50.63	MAR 17	50.46	MAY 21	50.28	JUL 22	50.89	SEP 17	51.09

405222072523301. Local number, S 6431.1
LOCATION.--Lat 40°52'23", long 72°52'36", Hydrologic Unit 02030202, at northwest corner of Thomson Road and Forth Avenue, Brookhaven National Laboratory, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 125 ft, screened 121 to 125 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 87.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing at yellow arrow, 1.48 ft below land-surface datum.
PERIOD OF RECORD.--January 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.98 ft NGVD, April 12, 1979; lowest measured, 39.14 ft NGVD, September 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	45.13	DEC 30	44.13	FEB 20	43.77	APR 23	43.85	JUN 16	43.52	AUG 26	43.54
NOV 26	44.56	JAN 30	43.79	MAR 18	42.72	MAY 21	43.47	JUL 22	43.89	SEP 17	43.53

405223072523401. Local number, S 6434.1
LOCATION.--Lat 40°42'23", long 72°52'34", Hydrologic Unit 02030202, at northeast corner of Thomson Road and Forth Avenue, in pump shed, Brookhaven National Laboratory, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel public supply well, diameter 10 in., depth 1,395 ft, screened 1,312 to 1,392 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 85.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in flange at yellow arrow, 2.07 ft above land-surface datum.
PERIOD OF RECORD.--August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.11 ft NGVD, July 12, 1979; lowest measured, 28.74 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	32.95	DEC 30	32.69	FEB 20	32.50	APR 23	32.19	JUN 16	31.83	AUG 26	31.83
NOV 26	32.79	JAN 30	32.54	MAR 18	32.20	MAY 21	31.86	JUL 22	31.72	SEP 17	31.80

405223072523403. Local number, S 6455.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at northeast corner of Thomson Road and Forth Avenue, under manhole cover, Brookhaven National Laboratory, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 962 ft, screened 952 to 962 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 85.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.50 ft 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	39.02	DEC 30	38.67	FEB 20	38.44	APR 23	38.28	JUL 22	37.97	SEP 17	37.91
NOV 26	38.63	JAN 30	38.50	MAR 18	38.13	MAY 21	38.01	AUG 26	38.08		

410247072261101. Local number, S 6524.1
LOCATION.--Lat 41°02'47", long 72°26'11", Hydrologic Unit 02030202, at Bayview Avenue and Route 25, Southold.
Owner: Southold Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 40 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 2.99 ft above land-surface datum.
PERIOD OF RECORD.--July 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.43 ft NGVD, May 7, 1958; lowest measured, -1.99 ft NGVD, October 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	1.44	DEC 30	1.45	FEB 20	1.63	APR 23	1.44	JUN 16	1.65	AUG 26	1.57
NOV 26	1.33	JAN 30	1.41	MAR 18	1.09	MAY 21	1.23	JUL 22	1.34	SEP 17	1.47

405835072325601. Local number, S 6558.1
LOCATION.--Lat 40°58'35", long 72°32'56", Hydrologic Unit 02030201, at Route 25, firewell, 244 ft east of railroad tracks, Mattituck. Owner: Mattituck Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel fire-protection well, diameter 6 in., depth 38 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 14.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 1.04 ft above land-surface datum.
PERIOD OF RECORD.--July 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.45 ft NGVD, March 29, 1973; lowest measured, 1.06 ft NGVD, September 22, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.43	DEC 30	4.55	FEB 20	4.61	APR 23	4.58	JUN 16	4.92	AUG 26	4.67
NOV 26	4.42	JAN 30	4.54	MAR 18	4.60	MAY 21	4.43	JUL 22	4.53	SEP 17	4.77

405756072173501. Local number, S 8833.1
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at west side of Toppings Path, near Crooked Pond, Bridgehampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 13 ft, screened 10 to 13 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 20.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 1.63 ft above land-surface datum.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.33 ft NGVD, April 27, 1990; lowest measured, 12.84 ft NGVD, March 29, 1982.

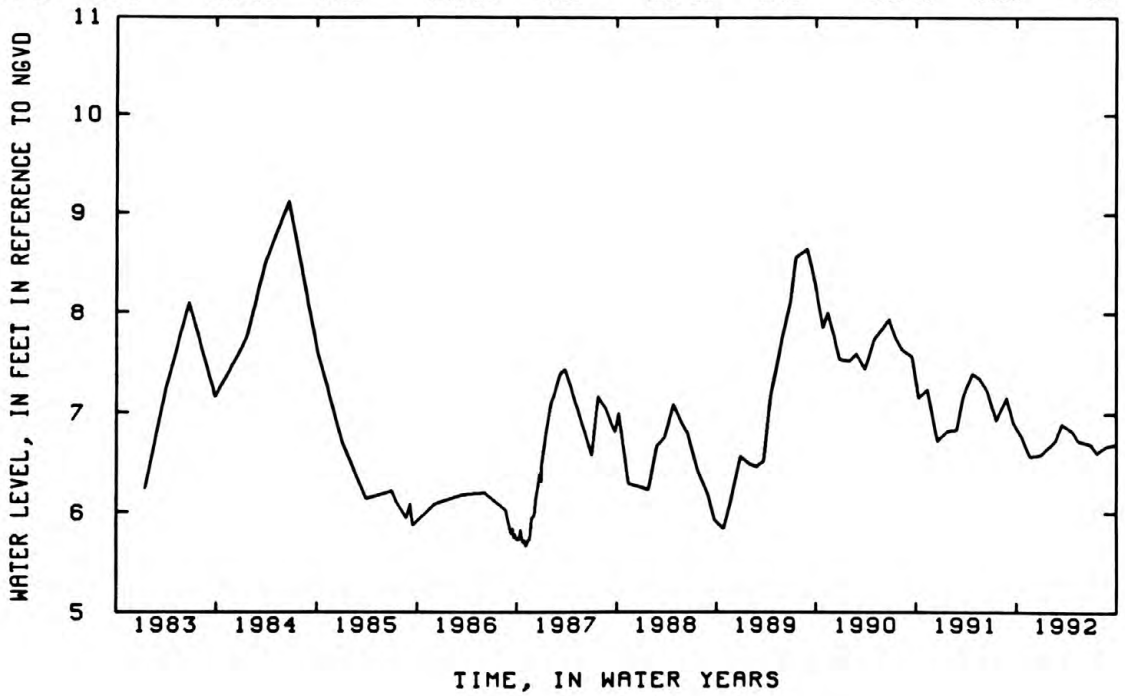
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.84	DEC 27	16.44	FEB 21	16.51	APR 24	16.33	JUN 30	15.98	AUG 24	15.73
NOV 20	17.57	JAN 31	16.53	MAR 16	16.44	MAY 14	16.20	JUL 21	15.81	SEP 24	15.53

405309072233101. Local number, S 8836.1
LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at south side of Nugent Street, 399 ft east of Windmill Lane, Southampton. Owner: Southampton Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 8 in., depth 37 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 18.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top edge of 8-in. steel casing, inside elbow extension, 0.87 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.12 ft NGVD, June 21, 1984; lowest measured, 4.93 ft NGVD, August 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.76	DEC 27	6.59	FEB 21	6.73	APR 24	6.82	JUN 30	6.70	AUG 24	6.68
NOV 20	6.58	JAN 31	6.68	MAR 16	6.90	MAY 14	6.73	JUL 21	6.61	SEP 24	6.70



405628072164701. Local number, S 8838.1
LOCATION.--Lat 40°56'28", long 72°16'47", Hydrologic Unit 02030202, at west side of Sagg Road, 153 ft north of Montauk Highway (State Route 27), Bridgehampton. Owner: Bridgehampton Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 6 in., depth 46 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 28.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 0.40 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.89 ft NGVD, March 16, 1971; lowest measured, 8.84 ft NGVD, August 8, 1966.

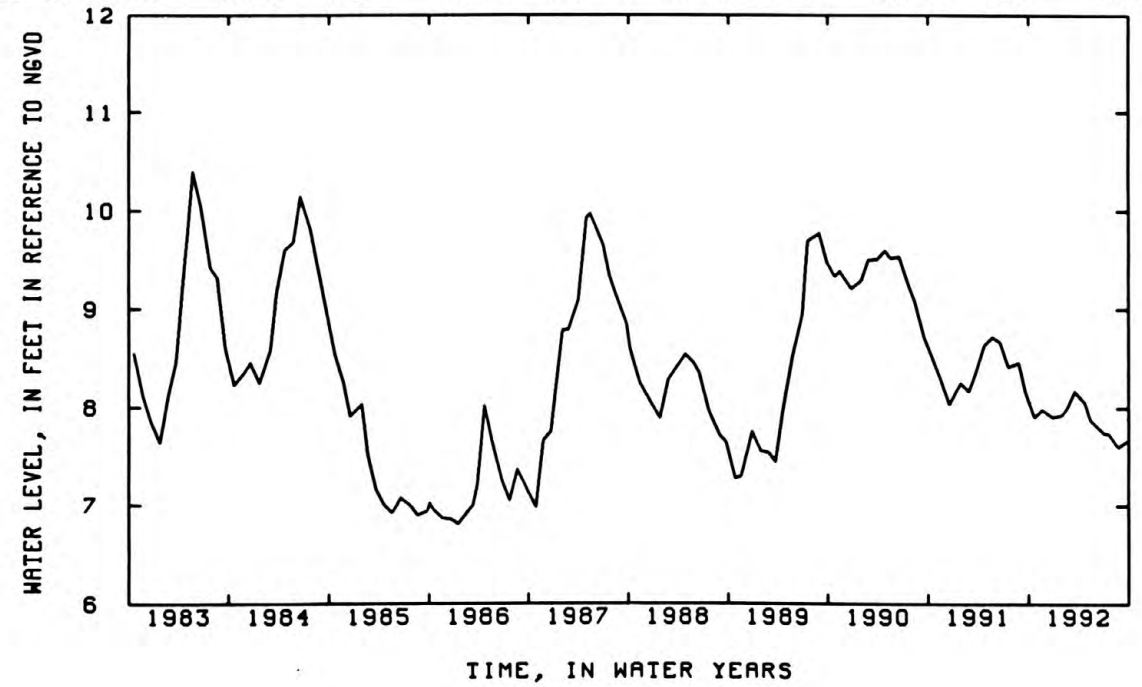
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.77	DEC 27	10.60	FEB 21	10.57	APR 24	10.56	JUN 30	11.30	AUG 24	10.37
NOV 20	10.66	JAN 31	10.63	MAR 16	10.68	MAY 14	10.54	JUL 21	10.20	SEP 24	10.31

405840072082301. Local number, S 8839.1
LOCATION.--Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at west side of Windmill Lane, behind third house, 0.1 miles north of State Route 27, Amagansett. Owner: D. Toler
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 37 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 39.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.97 ft above land-surface datum.
PERIOD OF RECORD.--August 1950 to current year. Unpublished records from August 1950 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.55 ft NGVD, February 27, 1979; lowest measured, 6.10 ft NGVD, October 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.91	DEC 27	7.91	FEB 21	8.01	APR 24	8.05	JUN 30	7.74	AUG 24	7.60
NOV 20	7.98	JAN 31	7.93	MAR 17	8.17	MAY 14	7.88	JUL 21	7.73	SEP 24	7.66



405908072110001. Local number, S 8843.1
LOCATION.--Lat 40°59'08", long 71°11'00", Hydrologic Unit 02030202, at east side of Three Mile Harbor Road, behind house, 0.35 miles north of Morris Park Lane, East Hampton. Owner: Conklin.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Dug unused well, diameter 30 in., depth 25 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 32.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel grill, 3.12 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.38 ft NGVD, June 20, 1984; lowest measured, 6.59 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.42	DEC 27	9.27	FEB 21	9.31	APR 24	9.35	JUN 30	9.02	AUG 24	8.73
NOV 20	9.33	JAN 31	9.30	MAR 17	9.11	MAY 14	9.31	JUL 21	8.76	SEP 24	8.75

405907072172101. Local number, S 8844.1
LOCATION.--Lat 40°59'07", long 72°15'12", Hydrologic Unit 02030202, at south side of Hempstead Street, 91 ft east of Hampton Street, Sag Harbor. Owner: Sag Harbor Fire Department.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 6 in., depth 85 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 19.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top edge of 6-in. steel casing, inside elbow extension, 1.48 ft above land-surface datum.
PERIOD OF RECORD.--August 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.47 ft NGVD, July 18, 1989; lowest measured, 4.43 ft NGVD, December 26, 1950.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.88	DEC 27	5.84	FEB 21	6.09	APR 24	6.07	JUN 30	5.68	AUG 24	5.66
NOV 20	5.92	JAN 31	6.07	MAR 16	6.07	MAY 14	6.00	JUL 21	5.55	SEP 24	5.47

405250073180801. Local number, S 15622.1
LOCATION.--Lat 40°52'50", long 73°18'08", Hydrologic Unit 02030201, at north side of Pulaski Road, 17 ft east of Rowena Lane, Northport. Owner: Rottkamp.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel unused domestic supply well, diameter 10 in., depth 458 ft, screened 437 to 457 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 205.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in steel plate, at yellow arrow, 0.19 ft below land-surface datum.
PERIOD OF RECORD.--January 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.09 ft NGVD, January 7, 1980; lowest measured, 34.33 ft NGVD, April 14, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	42.99	MAR 16	42.77	MAY 22	41.51	JUL 17	41.22	AUG 27	40.93	SEP 24	40.76
NOV 20	43.15	APR 21	42.21	JUN 25	41.74						

410634072223601. Local number, S 16783.2
LOCATION.--Lat 41°06'34", long 72°22'36", Hydrologic Unit 02030202, at south side of North Road, east of Moore Lane, Greenport. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 28 ft, screened 20 to 24 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 16.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.13 ft below land-surface datum.
REMARKS.--Replaced well S 16783.1 in May 1982, which has a period of record from August 1958 to September 1981.
PERIOD OF RECORD.--July 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.79 ft NGVD, March 18, 1983; lowest measured, 1.56 ft NGVD, July 22, 1991.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	2.03	DEC 30	2.12	FEB 20	2.19	APR 23	2.10	JUN 16	2.21	AUG 26	2.10
NOV 26	2.05	JAN 30	2.32	MAR 18	2.07	MAY 21	1.98	JUL 22	1.97	SEP 17	1.88

410858072171501. Local number, S 16787.1
LOCATION.--Lat 41°08'58", long 72°17'15", Hydrologic Unit 02030201, at south side of State Route 25, east of Platt Road, Orient. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 22.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--August 1958 to current year. Unpublished records from August 1958 to September 1977 are available in files of 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.

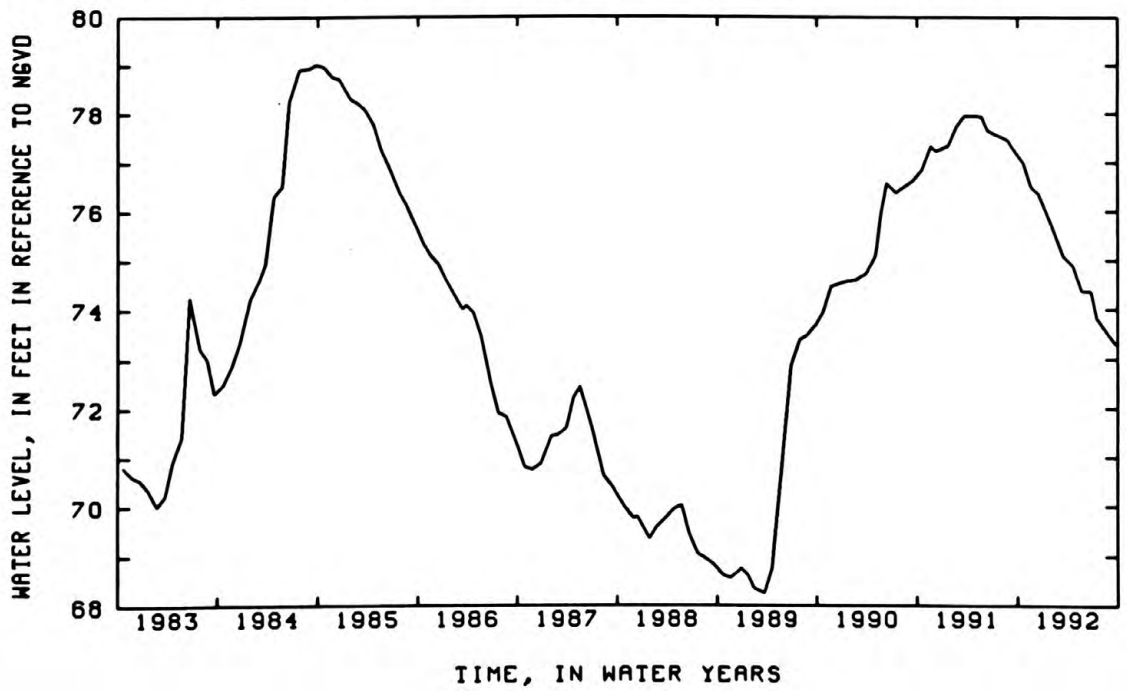
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	2.50	DEC 30	2.55	FEB 20	2.79	APR 23	2.87	JUN 16	2.68	AUG 26	2.56
NOV 26	2.51	JAN 30	2.71	MAR 18	2.79	MAY 21	2.76	JUL 22	2.45	SEP 17	2.52

404747073241501. Local number, S 16874.1
LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at northeast corner of Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 82 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 141.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.25 ft below land-surface datum.
PERIOD OF RECORD.--July 1958 to current year. Unpublished records from July 1958 to May 1959, August 1971 to September 1975, are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	77.00	DEC 16	76.36	MAR 17	75.07	MAY 22	74.37	JUL 17	73.82	SEP 24	73.30
NOV 20	76.48	JAN 31	75.76	APR 21	74.90	JUN 26	74.37	AUG 27	73.49		



405034073140401. Local number, S 16881.1
LOCATION.--Lat 40°50'34", long 73°14'04", Hydrologic Unit 02030201, at east side of Old Willets Path, north of Bridge Branch Road, Commack. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 58.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.34 ft below land-surface datum.
PERIOD OF RECORD.--July 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.05 ft NGVD, January 23, 1974; lowest measured, 29.26 ft NGVD, October 20, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	31.43	DEC 16	31.39	FEB 27	30.81	APR 21	31.12	JUN 25	31.12	AUG 27	30.87
NOV 20	31.34	JAN 31	30.98	MAR 16	31.23	MAY 22	31.00	JUL 17	31.06	SEP 24	30.92

404902073094001. Local number, S 22577.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 736 ft, screened 724 to 734 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.63 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.04 ft NGVD, March 28, 1979; lowest measured, 36.19 ft above NGVD, March 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	42.46	DEC 16	42.03	FEB 27	41.65	APR 21	41.66	JUN 25	41.53	AUG 27	41.14
NOV 20	42.13	JAN 31	41.97	MAR 17	41.69	MAY 22	41.20	JUL 17	40.94	SEP 24	41.33

404902073094002. Local number, S 22578.1
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at north side of Motor Parkway, west of Parkway Gardens Boulevard, Hauppauge. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 402 ft, screened 392 to 402 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.89 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.25 ft NGVD, March 28, 1979; lowest measured, 36.35 ft NGVD, March 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	43.79	DEC 16	42.27	FEB 27	41.89	APR 21	41.90	JUN 25	41.80	AUG 27	42.55
NOV 20	42.27	JAN 31	42.16	MAR 17	42.04	MAY 22	41.43	JUL 17	41.35	SEP 24	41.59

404819073160303. Local number, S 24769.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 600 ft east of Wicks road, western most well, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 810 ft, screened 800 to 810 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 1.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.33 ft NGVD, March 21, 1991; lowest measured, 45.31 ft NGVD, March 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	55.11	DEC 16	55.25	FEB 27	54.19	APR 21	53.57	MAY 22	52.55	JUN 25	52.53
NOV 20	55.24	JAN 31	54.42	MAR 16	53.73						

404829073161502. Local number, S 24770.1
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 606 ft east of Wicks Road, middle well, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 434 ft, screened 424 to 434 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 2.01 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.93 ft NGVD, March 21, 1991; lowest measured, 45.66 ft NGVD, March 7, 1966.

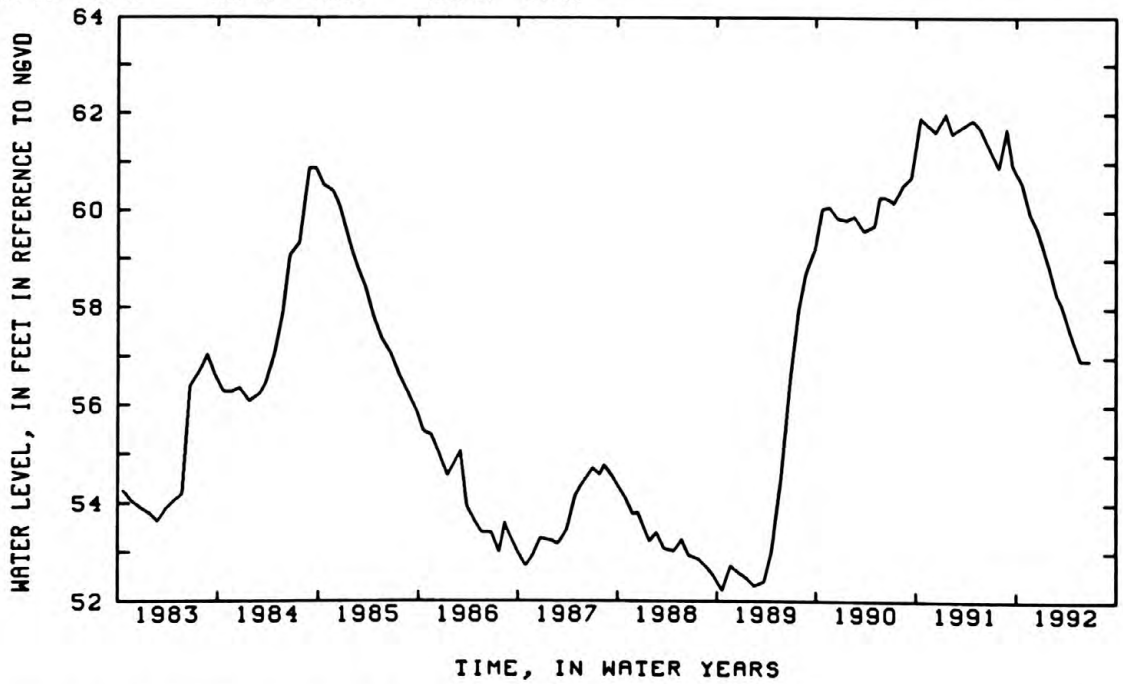
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	55.87	FEB 27	54.67	MAR 16	54.28	APR 21	54.08	MAY 22	53.16	JUN 25	53.11
NOV 20	55.85										

404820073160303. Local number, S 24771.1
LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at south side of Vanderbilt Parkway, 612 ft east of Wicks Road, eastern most well, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 127 ft, screened 117 to 127 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.08 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, 62.01 ft NGVD, January 18, 1991; lowest measured, 43.50 ft NGVD, November 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	60.58	DEC 16	59.66	FEB 27	58.29	APR 21	57.46	MAY 22	56.95	JUN 25	56.95
NOV 20	59.96	JAN 31	58.84	MAR 16	58.08						



405455073025802. Local number, S 31734.1
LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of Nesconset Road (Rt. 347), eastern most well, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,095 ft, screened 1,070 to 1,090 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 164.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling welded to casing cap, 1.92 ft above land-surface datum.
PERIOD OF RECORD.--December 1970 to current year. Unpublished records from December 1970 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 22	40.94	JUN 25	42.02	JUL 17	41.25	SEP 24	41.82				

405452073025701. Local number, S 32895.1
LOCATION.--Lat 40°54'51", long 73°02'57", Hydrologic Unit 02030202, at west side of Jayne Boulevard, 0.7 miles south of Nesconset Road (Rt. 347), western most well, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 845 ft, screened 840 to 845 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 164.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.49 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year. Unpublished records from March 1970 to September 1975 are available in files of 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.

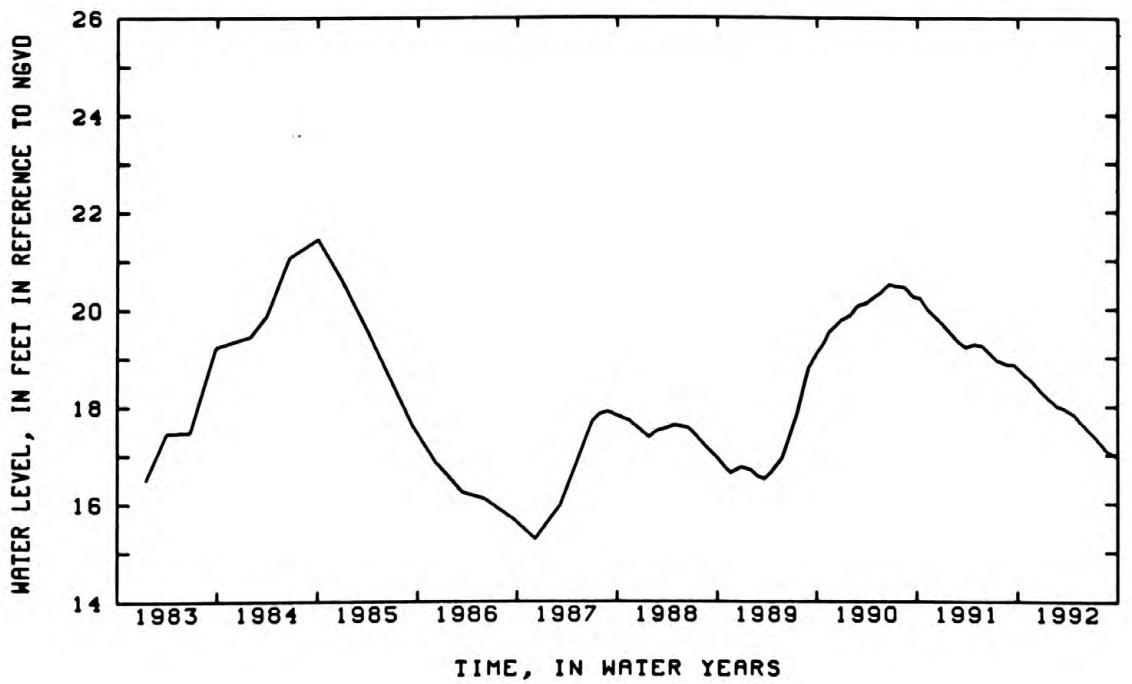
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16	45.94	MAY 22	42.53	JUN 25	43.80	JUL 17	43.41				

405715072193701. Local number, S 33921.1
LOCATION.--Lat 40°57'15", long 72°19'37", Hydrologic Unit 02030202, at north side of Scuttlehole Road, near Millstone Road, Bridgehampton. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 174 ft, screened 159 to 174 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 110.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. to 2-in. steel reducer, 2.42 ft above land-surface datum.
PERIOD OF RECORD.--January 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.30 ft NGVD, March 30, 1978; lowest measured, 15.17 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	18.66	DEC 27	18.29	FEB 21	17.99	APR 24	17.82	JUN 30	17.40	AUG 24	17.07
NOV 20	18.53	JAN 31	18.11	MAR 16	17.96	MAY 14	17.70	JUL 21	17.28	SEP 24	16.99



405040072414801. Local number, S 34743.1
LOCATION.--Lat 40°50'40", long 72°41'48", Hydrologic Unit 02030202, at 0.6 miles south of Sunrise Highway (Rt. 27), 120 ft east of Speonk Riverhead Road, northern most well, Speonk. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, access pipe diameter 4 in., casing diameter 12 in., depth 1,226 ft, screened 1,077 to 1,117 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 2.94 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.24 ft NGVD, April 2, 1979; lowest measured, 16.18 ft NGVD, March 18, 1982.

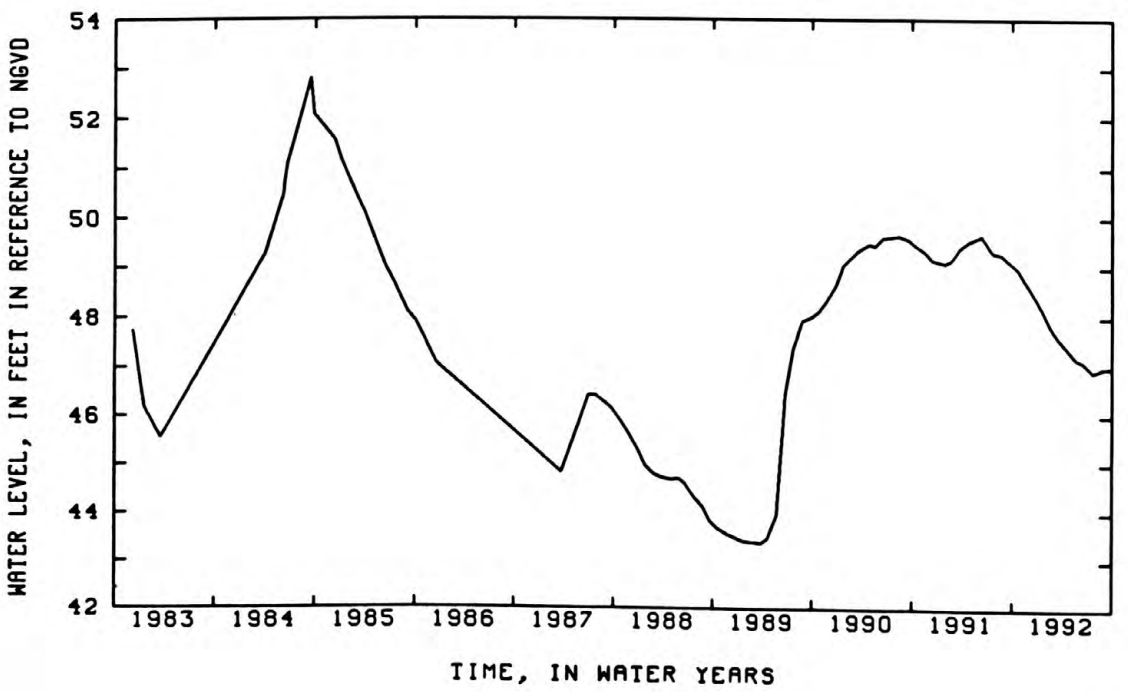
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	19.32	DEC 20	18.79	FEB 19	18.82	APR 13	18.27	JUN 29	18.45	AUG 31	18.64
NOV 13	19.32	JAN 27	18.57	MAR 16	18.41	MAY 11	18.29	JUL 14	18.56	SEP 22	18.60

405517072574902. Local number, S 34892.1
LOCATION.--Lat 40°55'19", long 72°57'49", Hydrologic Unit 02030202, at east side of Radio Avenue, 1.3 miles south of Nesconset Road (Rt. 25A), northern most well, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 138 ft, screened 124 to 138 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 122.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 0.78 ft above land-surface datum.
PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	48.98	DEC 30	48.38	FEB 20	47.84	APR 23	47.37	JUN 16	47.12	AUG 26	46.99
NOV 26	48.68	JAN 30	48.05	MAR 18	47.60	MAY 21	47.18	JUL 22	46.92	SEP 17	47.01



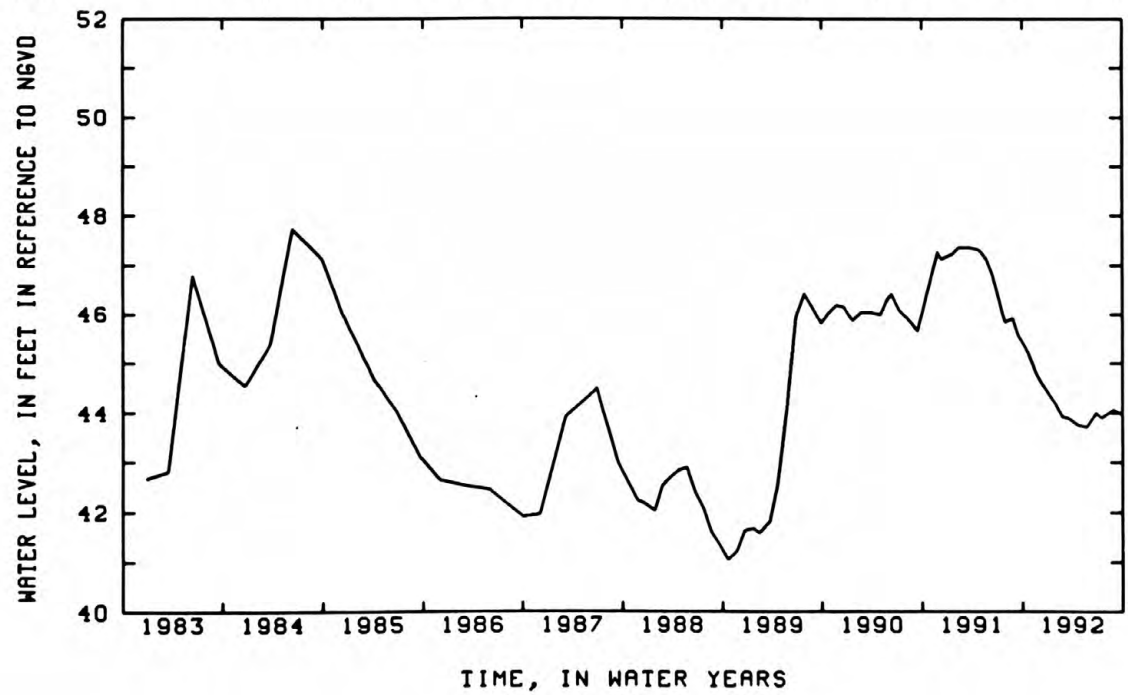
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	50.50	DEC 30	49.99	FEB 20	49.46	MAR 18	46.72	APR 23	46.53	MAY 21	46.21
NOV 26	50.68	JAN 30	49.67								

404930073120002. Local number, S 36142.2
LOCATION.--Lat 40°49'30", long 73°12'00", Hydrologic Unit 02030202, at east side of Lincoln Boulevard, 266 ft south of Townline Road, Islip. Owner: Hauppauge School District.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 73 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 81.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.
PERIOD OF RECORD.--July 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.71 ft NGVD, June 12, 1984; lowest measured, 41.07 ft NGVD, October 20, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

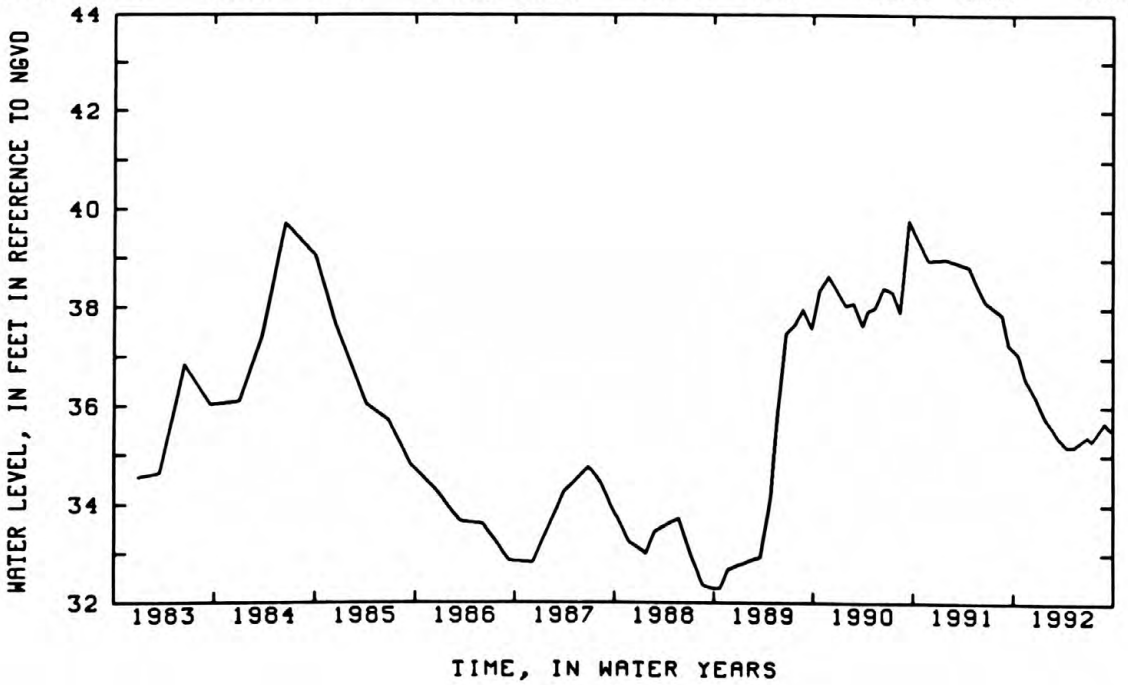
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	45.23	DEC 16	44.56	FEB 27	43.93	APR 21	43.76	JUN 25	44.01	AUG 27	44.07
NOV 20	44.82	JAN 31	44.20	MAR 16	43.91	MAY 22	43.73	JUL 17	43.91	SEP 24	43.99



404640073050201. Local number, S 36144.1
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at east side of Lincoln Avenue, south of State Route 454, Bohemia. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 53 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 54.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 1.84 ft above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1977 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.96 ft NGVD, March 29, 1979; lowest measured, 31.88 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

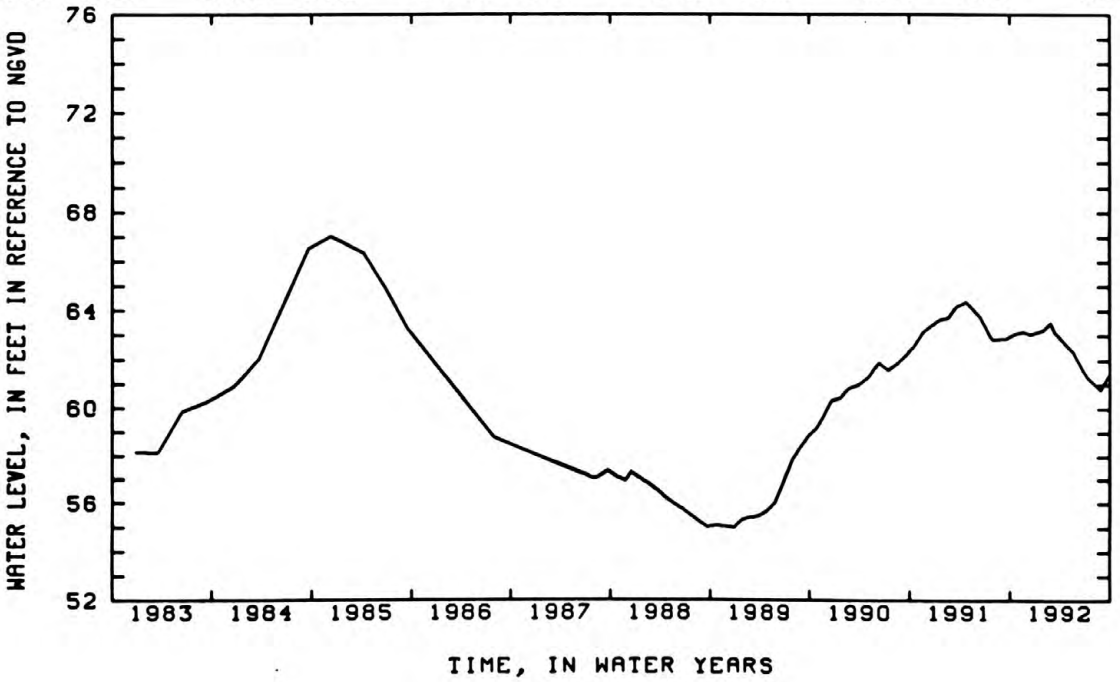
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.06	DEC 20	36.21	FEB 19	35.59	APR 13	35.19	JUN 29	35.40	AUG 31	35.69
NOV 13	36.59	JAN 27	35.78	MAR 16	35.37	MAY 11	35.19	JUL 14	35.30	SEP 22	35.54



405013073263601. Local number, S 40840.1
LOCATION.--Lat 40°50'13", long 73°26'36", Hydrologic Unit 02030201, at intersection of Cold Spring Hill Road, Ledgewood Drive, and West Rogues Path, on grass island, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 79 ft , screened 77 to 79 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 131.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.02 ft NGVD, December 10, 1984; lowest measured, 54.98 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	63.08	DEC 16	63.06	FEB 28	63.54	APR 21	62.71	JUN 26	61.59	AUG 27	60.79
NOV 20	63.18	JAN 31	63.22	MAR 16	63.14	MAY 22	62.29	JUL 17	61.24	SEP 24	61.35



405124073111501. Local number, S 40843.1
LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at intersection of Nissequogue River Road and North Country Road (Rt. 25A), just north of Middle Country Road (Rt. 25), on grass island, Smithtown. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered steel observation well, diameter 2 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 66.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.01 ft below land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.93 ft NGVD, March 27, 1979; lowest measured, 33.84 ft NGVD, July 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	35.41	DEC 16	35.10	FEB 27	34.76	APR 21	34.89	JUN 25	35.32	AUG 27	35.40
NOV 20	34.89	JAN 31	34.89	MAR 17	35.01	MAY 22	34.71	JUL 17	34.91	SEP 24	34.84

405230073212101. Local number, S 46517.1
LOCATION.--Lat 40°52'30", long 73°21'21", Hydrologic Unit 02030201, at southeast corner of Stony Hollow Road and and Maple Road, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 66 ft, screened 63 to 66 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 123.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 0.03 ft above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year. Unpublished records from September 1979 to September 1982 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	67.73	DEC 16	67.59	FEB 28	67.64	APR 21	67.53	JUN 25	67.64	AUG 27	67.67
NOV 20	67.70	JAN 31	67.64	MAR 16	67.40	MAY 22	67.58	JUL 17	67.53	SEP 24	67.50

410218072093301. Local number, S 46519.1
LOCATION.--Lat 41°02'08", long 72°09'32", Hydrologic Unit 02030202, at northwest corner of Hog Creek Lane and White Birch Drive, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 32.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.08 ft below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records from November 1972 to September 1982 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.45 ft NGVD, January 13, 1983; lowest measured, Dry, September 16, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	2.54	DEC 27	2.76	FEB 21	3.14	APR 24	2.93	JUN 30	2.76	AUG 24	2.73
NOV 20	2.79	JAN 31	3.00	MAR 17	2.95	MAY 14	2.95	JUL 21	2.70	SEP 24	2.49

405139072432401. Local number, S 46544.1
LOCATION.--Lat 40°51'39", long 72°43'24", Hydrologic Unit 02030202, at southwest corner of County Road 51 and service road for recharge basin 33, Eastport. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 107 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 102.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.
PERIOD OF RECORD.--December 1972 to current year. Unpublished records from December 1972 to September 1976 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	28.22	DEC 20	27.70	FEB 19	27.15	APR 13	26.66	JUN 29	26.29	AUG 31	26.48
NOV 18	28.04	JAN 27	27.33	MAR 16	26.89	MAY 11	26.44	JUL 14	26.38	SEP 22	26.47

405604073064301. Local number, S 47973.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at north side of State Route 25A, 189 ft west of Ridgeway Avenue, Setauket. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 90 ft, screened 78 to 88 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 94.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 2.43 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.14 ft NGVD, April 26, 1991; lowest measured, 20.83 ft NGVD, March 5, 1980.

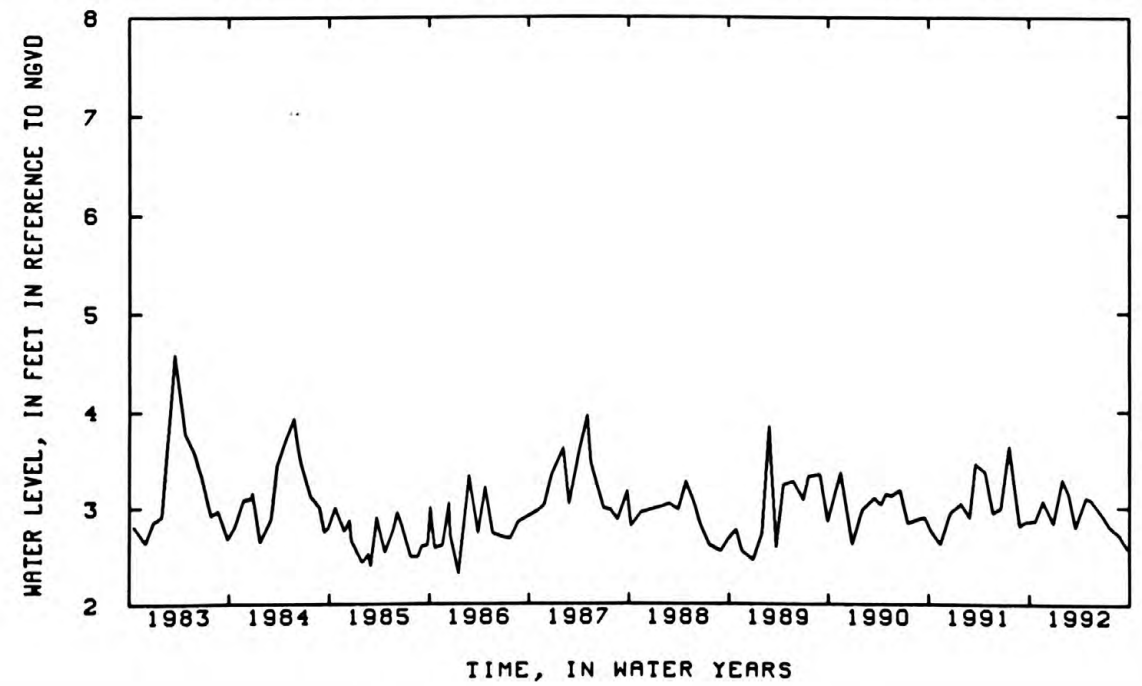
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	26.67	DEC 16	26.13	FEB 27	25.63	APR 21	25.36	JUN 25	25.31	AUG 27	25.24
NOV 20	26.40	JAN 31	25.94	MAR 16	25.58	MAY 22	25.20	JUL 17	25.07	SEP 24	25.07

410243071560101. Local number, S 48519.1
LOCATION.--Lat 41°02'42", long 71°56'05", Hydrologic Unit 02030202, at southwest corner of South Fairview Avenue and South Federal Street, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 82 ft, screened 68 to 78 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.68 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.59 ft NGVD, March 15, 1983; lowest measured, 2.07 ft NGVD, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	2.86	DEC 27	2.84	FEB 21	3.15	APR 24	3.10	JUN 30	2.90	AUG 24	2.72
NOV 20	3.07	JAN 31	3.29	MAR 18	2.80	MAY 14	3.08	JUL 21	2.80	SEP 24	2.58



410149071583201. Local number, S 48577.1
LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at north side of Montauk Point Parkway, 19 ft east of entrance to East Hampton Disposal and Recycling Center, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 189 ft, screened 173 to 183 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 168.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.61 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of 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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.50	DEC 27	3.66	FEB 21	3.54	APR 24	3.65	JUN 30	3.47	AUG 24	3.28
NOV 20	4.04	JAN 31	4.00	MAR 18	3.35	MAY 14	3.52	JUL 21	3.33	SEP 24	2.93

410316071635501. Local number, S 48579.1
LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at north side of Montauk Highway, adjacent to intersection of Old Montauk Highway, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 66 ft, screened 53 to 56 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 38.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 1.55 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft NGVD, June 5, 1984; lowest measured, 2.46 ft NGVD, December 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.16	DEC 27	3.09	FEB 21	3.40	APR 24	3.33	JUN 30	3.39	AUG 24	3.12
NOV 20	3.35	JAN 31	3.43	MAR 18	3.15	MAY 14	3.44	JUL 21	3.36	SEP 24	3.13

405309073125401. Local number, S 50507.1
LOCATION.--Lat 40°53'09", long 73°12'54", Hydrologic Unit 02030201, at east side of Landing Avenue, 1.5 miles north of Spruce Street, San Remo. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 90.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--December 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.23 ft NGVD, September 19, 1984; lowest measured, 41.51 ft NGVD, December 14, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	45.21	DEC 16	44.71	FEB 27	44.17	APR 21	43.79	JUN 25	43.53	AUG 27	43.31
NOV 20	44.96	JAN 31	44.53	MAR 16	44.02	MAY 22	43.58	JUL 17	43.40	SEP 24	43.17

410104072303301. Local number, S 53324.1
LOCATION.--Lat 41°01'04", long 72°30'33", Hydrologic Unit 02030202, at east side of Alvahs Lane, 200 ft north of State Route 27A, Southold. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 62 ft, screened 49 to 59 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 42.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel flange, 0.51 ft above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.32 ft NGVD, September 28, 1989; lowest measured, 3.52 ft NGVD, November 20, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	5.53	DEC 30	5.20	FEB 20	5.32	APR 23	5.35	JUN 16	5.20	AUG 26	5.08
NOV 26	5.45	JAN 30	5.21	MAR 18	5.41	MAY 21	5.25	JUL 22	4.98	SEP 17	5.17

404642072520001. Local number, S 54882.1
LOCATION.--Lat 40°46'42", long 72°52'00", Hydrologic Unit 02030202, at grassy divide between Margin Drive West and William Floyd Parkway, 156 ft south of Ranch Avenue, Center Moriches. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 34 ft, screened 30 to 34 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 33.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.43 ft below land-surface datum.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.62 ft NGVD, August 23, 1989; lowest measured, 6.48 ft NGVD, December 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.99	DEC 20	8.43	FEB 19	8.25	APR 13	8.24	JUN 29	8.85	AUG 31	9.00
NOV 13	8.67	JAN 27	8.36	MAR 16	8.18	MAY 11	8.32	JUL 14	8.80	SEP 22	8.75

405418072494401. Local number, S 54884.1
LOCATION.--Lat 40°54'18", long 72°49'44", Hydrologic Unit 02030202, at north corner of Wading River Road and Grumman Boulevard, Manorville. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.63 ft NGVD, February 1, 1979; lowest measured, 40.50 ft NGVD, November 21, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	43.42	DEC 30	43.35	FEB 20	43.36	APR 23	43.53	JUN 16	43.96	AUG 26	43.07
NOV 26	43.10	JAN 30	43.38	MAR 18	43.26	MAY 21	43.19	JUL 22	43.52	SEP 17	43.02

405241072381801. Local number, S 54886.1
LOCATION.--Lat 40°52'41", long 72°38'18", Hydrologic Unit 02030202, at intersection of Old Riverhead Road and Riverhead-Quogue Road, on grass island, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 59.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.41 ft NGVD, September 25, 1984; lowest measured, 15.25 ft NGVD, December 29, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	18.42	DEC 20	17.85	FEB 19	17.54	APR 13	17.23	JUN 29	17.45	AUG 31	17.44
NOV 13	18.22	JAN 27	17.60	MAR 16	17.38	MAY 11	17.13	JUL 14	17.49	SEP 22	17.43

405326072275601. Local number, S 57366.1
LOCATION.--Lat 40°53'26", long 72°27'56", Hydrologic Unit 02030202, at west side of Hill Station Road, 172 ft south of railroad trestle, Southampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 64 ft, screened 60 to 64 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 55.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.04 ft below land-surface datum.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.50 ft NGVD, August 30, 1989; lowest measured, 3.19 ft NGVD, March 13, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.84	DEC 27	3.81	FEB 21	3.74	APR 24	3.72	JUN 30	3.76	AUG 24	3.67
NOV 20	3.91	JAN 31	3.75	MAR 16	3.64	MAY 14	3.76	JUL 21	3.76	SEP 24	3.73

410052072134001. Local number, S 57371.1
LOCATION.--Lat 41°00'55", long 72°13'42", Hydrologic Unit 02030202, at west side of Old Northwest Road, 0.95 miles south of Alewive Brook Road, Grassy Hollow. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 62 ft, screened 58 to 62 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 24.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.30 ft below land-surface datum.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.31 ft NGVD, April 4, 1979; lowest measured, 5.80 ft NGVD, December 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.04	DEC 27	6.98	FEB 21	7.35	APR 24	7.47	JUN 30	7.17	AUG 24	6.93
NOV 20	6.95	JAN 31	7.21	MAR 17	7.43	MAY 14	7.44	JUL 21	7.03	SEP 24	6.71

405927072041901. Local number, S 57372.1
LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at south side of Montauk Highway, 2.4 miles east of Bluff Road, Napeague State Park. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 12 ft, screened 8 to 12 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 8.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.03 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year. Unpublished records from January 1976 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft NGVD, July 18, 1989; lowest measured, 2.16 ft NGVD, July 22, 1988.

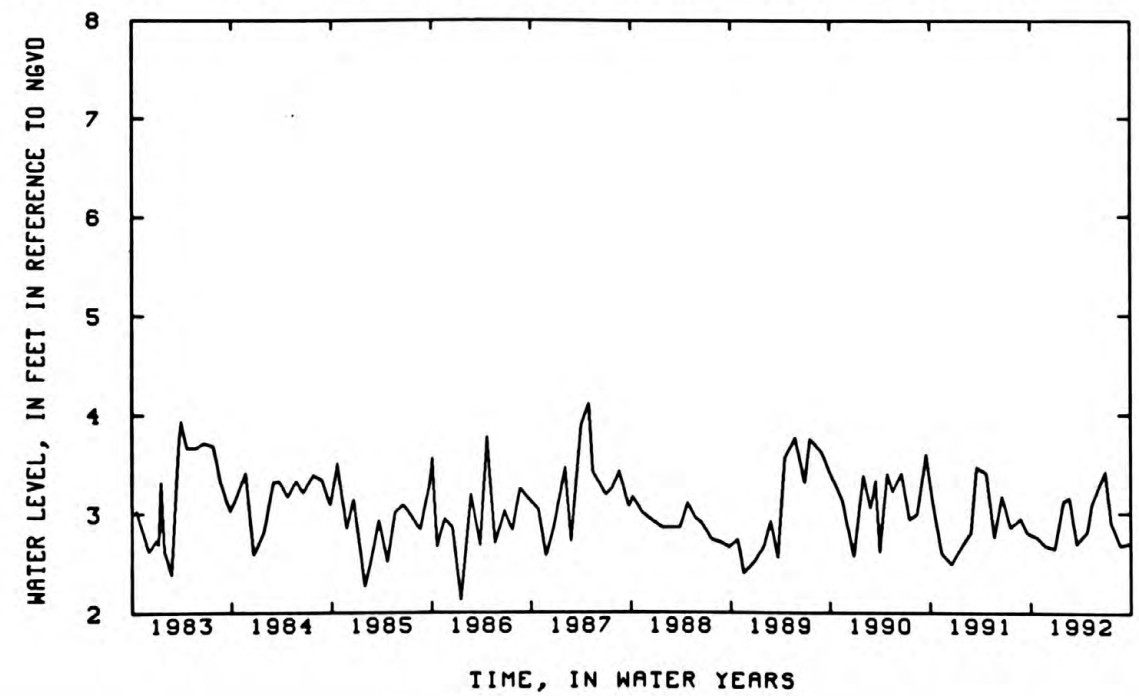
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.07	DEC 27	3.02	FEB 21	3.10	APR 24	2.78	JUN 30	2.80	AUG 24	3.00
NOV 20	3.33	JAN 31	3.12	MAR 17	2.95	MAY 14	2.83	JUL 21	2.93	SEP 24	2.66

410040072002501. Local number, S 58921.1
LOCATION.--Lat 41°00'40", long 72°00'24", Hydrologic Unit 02030202, at north side of Montauk Highway, east of Hither Hills State Park entrance, Hither Hills. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 75 ft, screened 67 to 72 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 48.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 0.25 ft below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft NGVD, April 30, 1987; lowest measured, 2.11 ft NGVD, January 26, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	2.76	DEC 27	2.64	FEB 21	3.16	APR 24	2.81	JUN 30	3.43	AUG 24	2.68
NOV 20	2.68	JAN 31	3.13	MAR 17	2.69	MAY 14	3.11	JUL 21	2.91	SEP 24	2.70



405558072252401. Local number, S 58956.1
LOCATION.--Lat 40°55'57", long 72°25'43", Hydrologic Unit 02030202, at west side of North Sea Road, 107 ft north of Jennings Road, North Sea. Owner: Nassau-Suffolk Regional Planning Board.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 43 ft, screened 35 to 40 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 0.61 ft below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.51 ft NGVD, September 16, 1982; lowest measured, 0.19 ft NGVD, January 17, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	1.87	DEC 27	0.87	FEB 21	1.58	APR 24	1.37	JUN 30	1.79	AUG 24	1.50
NOV 20	1.43	JAN 31	1.93	MAR 16	1.07	MAY 14	1.79	JUL 21	1.44	SEP 24	1.92

405642072240001. Local number, S 59992.1
LOCATION.--Lat 40°56'42", long 72°24'00", Hydrologic Unit 02030202, at southwest corner of of Noyack Road and Majors Path, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 292 ft, screened 268 to 278 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 24.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 0.31 ft below land-surface datum.
PERIOD OF RECORD.--November 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft NGVD, April 17, 1984; lowest measured, 4.46 ft NGVD, June 23, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.10	DEC 27	4.89	FEB 21	5.21	APR 24	5.11	JUN 30	5.25	AUG 24	4.90
NOV 20	5.14	JAN 31	5.23	MAR 16	4.99	MAY 14	5.21	JUL 21	5.08	SEP 24	5.06

405559072145901. Local number, S 60123.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, northern middle well, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 280 ft, screened 270 to 280 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, at yellow arrow, 0.02 ft above land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.69 ft NGVD, June 20, 1984; lowest measured, 6.16 ft NGVD, November 18, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.95	DEC 27	6.74	FEB 21	7.29	APR 24	7.26	JUN 30	6.96	AUG 24	6.99
NOV 20	6.93	JAN 31	7.27	MAR 16	7.16	MAY 14	7.17	JUL 21	6.89	SEP 24	7.13

405600072150003. Local number, S 62394.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, southern middle well, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 74 ft, screened 70 to 74 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.46 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.47 ft NGVD, July 18, 1989; lowest measured, 5.84 ft NGVD, July 2, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.34	DEC 27	6.49	FEB 21	6.88	APR 24	7.02	JUN 30	6.36	AUG 24	6.63
NOV 20	6.42	JAN 31	6.75	MAR 16	6.93	MAY 14	6.77	JUL 21	6.37	SEP 24	6.70

405600072150002. Local number, S 62395.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, southern most well, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 2 in., depth 14 ft, screened 10 to 14 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.51 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.45 ft NGVD, July 18, 1989; lowest measured, 5.90 ft NGVD, October 28, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.33	DEC 27	6.49	FEB 21	6.86	APR 24	6.99	JUN 30	6.34	AUG 24	6.61
NOV 20	6.40	JAN 31	6.73	MAR 16	6.90	MAY 14	6.75	JUL 21	6.35	SEP 24	6.68

415843072213401. Local number, S 62402.1
LOCATION.--Lat 40°58'58", long 72°21'36", Hydrologic Unit 02030202, at south end of Club Lane, 587 ft east of Wildwood Road, Noyack. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 84 ft, screened 80 to 84 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 99.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.32 ft NGVD, June 20, 1984; lowest measured, 32.58 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	35.08	DEC 27	34.52	FEB 21	34.48	APR 24	34.40	JUN 30	34.29	AUG 24	34.10
NOV 20	34.84	JAN 31	34.40	MAR 16	34.46	MAY 14	34.37	JUL 21	34.24	SEP 24	34.08

405740073064501. Local number, S 62405.1
LOCATION.--Lat 40°57'40", long 73°06'45", Hydrologic Unit 02030201, at Conscience Circle, on southwest corner of grass island, west of Maple Road, Strong's Neck. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 2 in., depth 55 ft, screened 51 to 55 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 38.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.29 ft below land-surface datum.
PERIOD OF RECORD.--October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft NGVD, June 25, 1982; lowest measured, 2.79 ft NGVD, March 26, 1981.

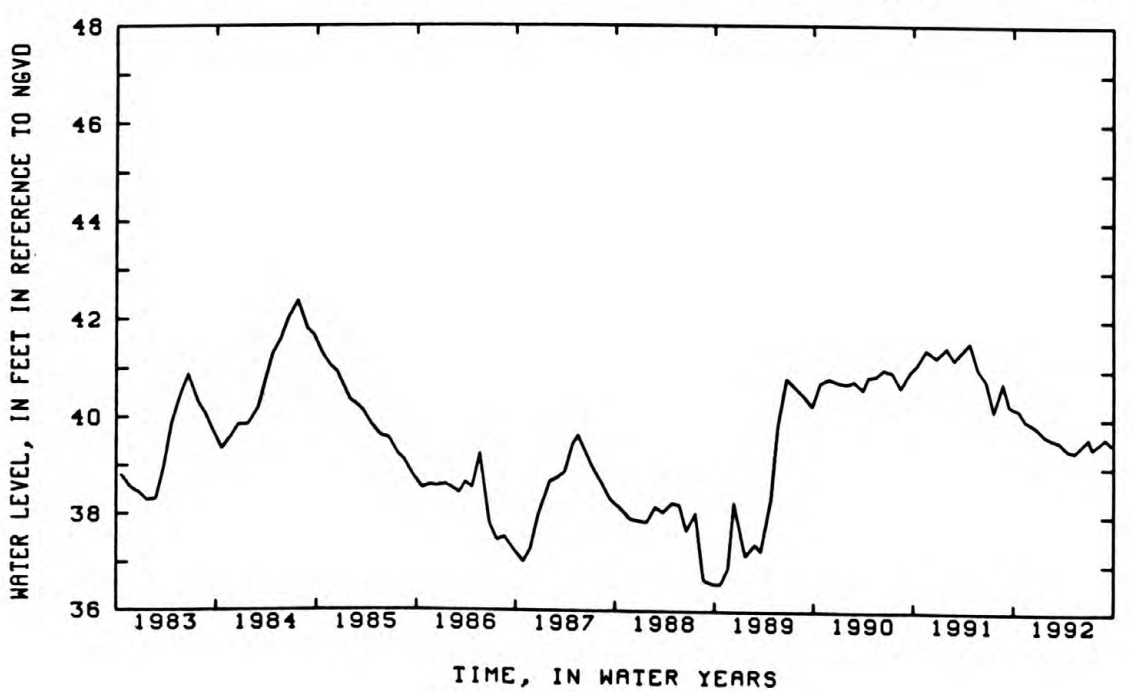
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.66	DEC 16	3.69	FEB 27	3.58	APR 21	3.69	JUN 25	3.85	AUG 27	3.77
NOV 20	3.89	JAN 31	3.56	MAR 16	3.63	MAY 22	3.77	JUL 17	3.86	SEP 24	3.75

404813073084102. Local number, S 65601.1
LOCATION.-Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at northside of Johnson Avenue, 70 ft east of Terry Road, Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 41 ft, screened 38 to 41 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 62.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.20 ft below land-surface datum.
REMARKS.--Replaced well S 1813.2 in September 1978. Record from November 1939 to September 1978 are available in files of Long Island Subdistrict Office.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.39 ft NGVD, July 23, 1984; lowest measured, 36.57 ft NGVD, September 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

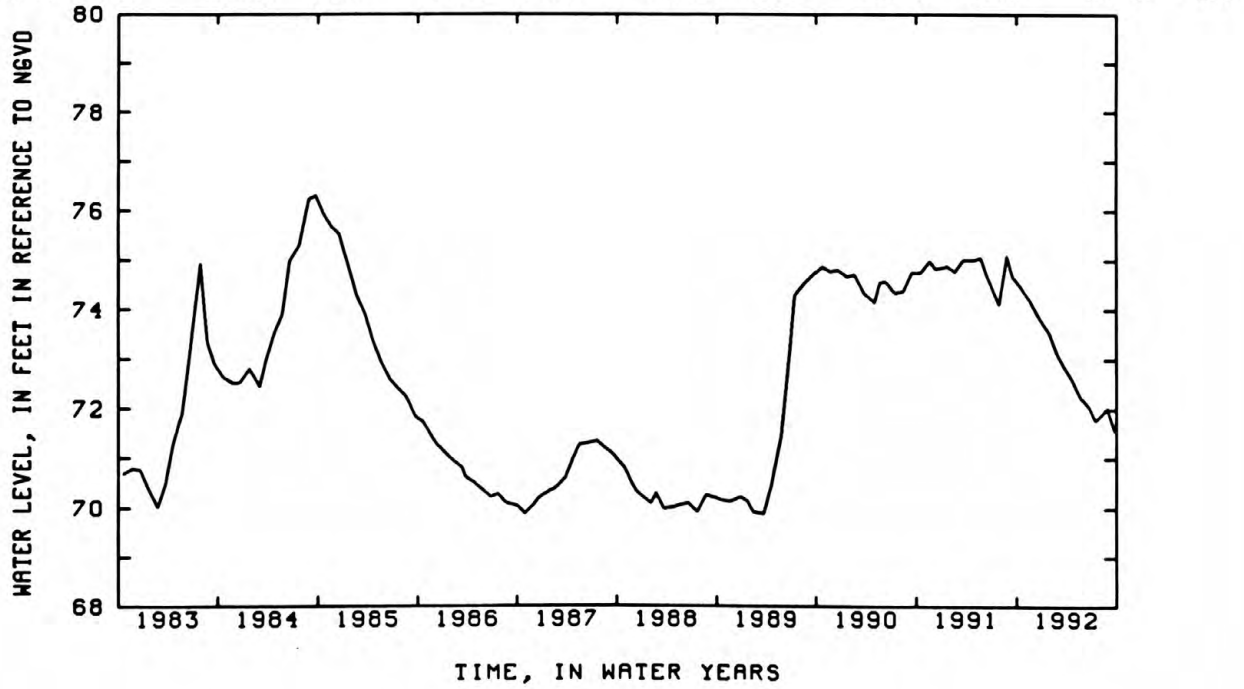
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	40.18	DEC 20	39.84	FEB 19	39.59	APR 13	39.39	JUN 29	39.62	AUG 31	39.62
NOV 13	39.97	JAN 27	39.66	MAR 17	39.54	MAY 11	39.33	JUL 14	39.41	SEP 22	39.50



405030073180601. Local number, S 65602.1
LOCATION.--Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at southwest corner of Wilshire Drive and Renee Place, Commack. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 96 ft, screened 91 to 96 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 146.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.19 ft below land-surface datum.
REMARKS.--Replaces well S 3514.1 in September 1978, which has a period of record from May 1942 to September 1978.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.41 ft NGVD, August 28, 1979; lowest measured, 69.74 ft NGVD, January 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

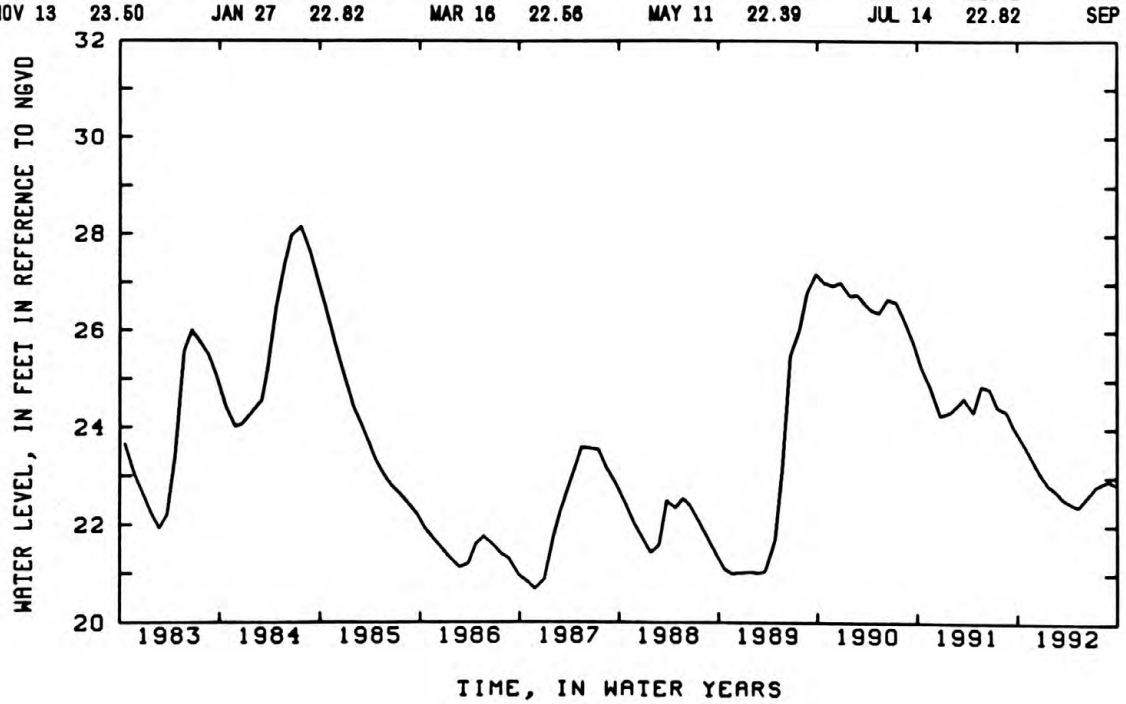
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	74.43	DEC 16	73.92	FEB 28	73.12	APR 21	72.61	JUN 25	72.03	AUG 27	72.02
NOV 20	74.21	JAN 31	73.54	MAR 16	72.95	MAY 22	72.25	JUL 17	71.78	SEP 24	71.57



404936072483501. Local number, S 65604.1
LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at northwest corner of Sunrise Highway Service Road and Wading River Road, Manorville. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 56 ft, screened 51 to 56 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 64.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaces well S 6439.1 in October 1978, which has a period of record from January 1949 to October 1978.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.14 ft NGVD, July 23, 1984; lowest measured, 20.48 ft NGVD, December 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	23.74	DEC 20	23.11	FEB 19	22.73	APR 13	22.47	JUN 29	22.72	AUG 31	22.93
NOV 13	23.50	JAN 27	22.82	MAR 16	22.56	MAY 11	22.39	JUL 14	22.82	SEP 22	22.87



404430073123301. Local number, S 66135.1
LOCATION.--Lat 40°44'30", long 73°12'33", Hydrologic Unit 02030202, at south side of Sunrise Highway, west of Great Neck Road, in grassy area of entrance ramp cloverleaf, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, casing diameter 6 in., screen diameter 4 in., depth 168 ft, screened 127 to 137 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 30.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. steel casing, 3.99 ft above land-surface datum.
PERIOD OF RECORD.--January 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.55 ft NGVD, November 27, 1989; lowest measured, 18.43 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	20.90	DEC 20	20.83	FEB 19	19.51	APR 13	19.79	JUN 29	19.48	AUG 31	20.06
NOV 13	20.60	JAN 27	19.52	MAR 16	19.58	MAY 11	19.64	JUL 14	19.21	SEP 22	19.68

403935073235001. Local number, S 66136.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road across from Harding Road, eastern most well, Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, casing diameter 6 in., screen diameter 4 in., depth 134 ft, screened 124 to 134 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in. PVC casing, 2.43 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation. Well also sampled for water quality.
PERIOD OF RECORD.--October 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft NGVD, March 4, 1991; lowest measured, 3.37 ft NGVD, September 13, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.00	JAN 24	4.20	APR 3	4.12	APR 29	4.11	JUN 17	3.59	AUG 20	4.14
NOV 25	3.78	FEB 24	3.80	7	3.77	MAY 20	3.58	JUL 29	3.91	SEP 21	3.81
DEC 26	3.70										

404524073123401. Local number, S 66149.1
LOCATION.--Lat 40°45'24", long 73°12'34", Hydrologic Unit 02030202, at southeast corner of State Route 111 and Spur Drive North, near Southern Parkway exit ramp, Islip. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 167 ft, screened 157 to 167 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 40.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC casing, 2.33 ft below land-surface datum.
PERIOD OF RECORD.--January 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.92 ft NGVD, May 22 and June 22, 1989; lowest measured, 20.55 ft NGVD, March 7, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	23.83	DEC 20	23.77	FEB 19	23.79	APR 13	23.90	JUN 29	23.77	AUG 31	23.70
NOV 13	23.64	JAN 27	23.73	MAR 17	23.94	MAY 11	23.70	JUL 14	23.48	SEP 22	23.51

403935073235002. Local number, S 67537.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road, across from Harding Road, eastern middle well, Tanner Park, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 61 ft, screened 56 to 61 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC casing, 0.28 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.48 ft NGVD, August 21, 1990; lowest measured, 1.28 ft NGVD, December 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	1.77	DEC 26	1.52	FEB 24	1.58	APR 29	1.91	JUN 17	1.63	AUG 20	2.25
NOV 25	1.69	JAN 24	2.02	APR 7	1.55	MAY 20	1.52	JUL 29	1.88	SEP 21	1.67

405529073272901. Local number, S 69781.1
LOCATION.--Lat 40°55'29", long 73°27'29", Hydrologic Unit 02030201, at Caumsett State Park, 1 mile northeast of parking field, on park service road, Lloyd Neck. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 155 ft, screened 139 to 149 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 109.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.66 ft below land-surface datum.
PERIOD OF RECORD.--April 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.85 ft NGVD, July 13, 1990; lowest measured, 6.44 ft NGVD, March 22, 1989.

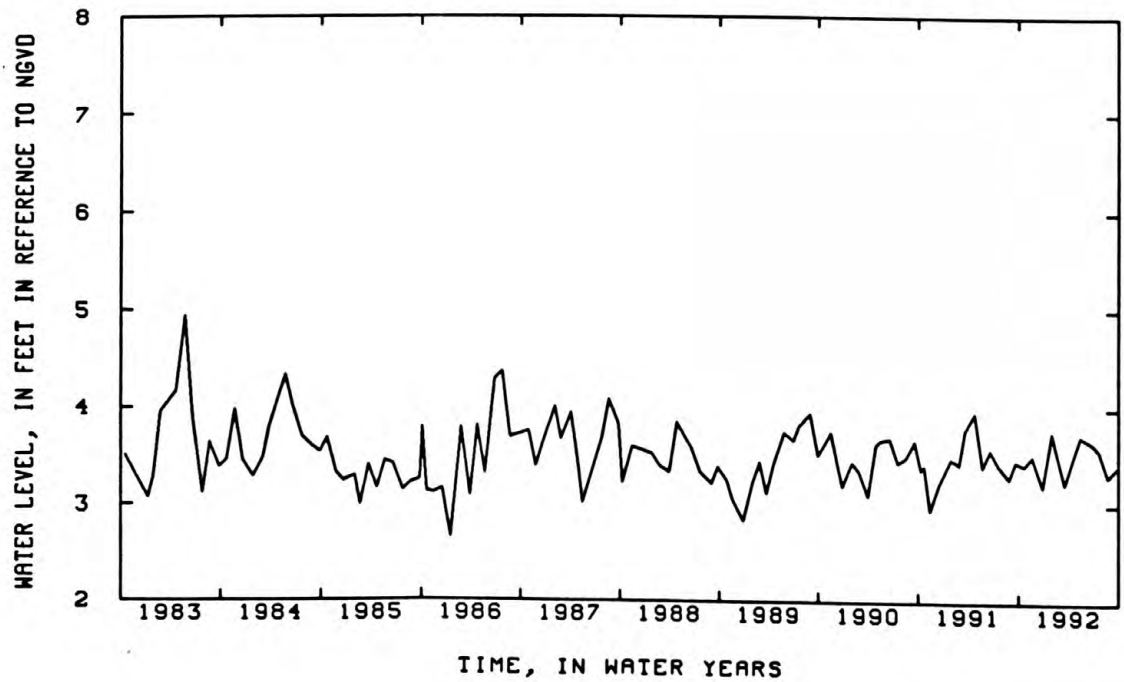
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	7.71	DEC 16	7.29	FEB 28	6.95	APR 21	6.74	JUN 26	6.61	AUG 27	6.51
NOV 20	7.58	JAN 31	7.12	MAR 16	6.82	MAY 22	6.70	JUL 17	6.59	SEP 24	6.48

410343071533101. Local number, S 70262.1
LOCATION.--Lat 41°03'43", long 71°53'31", Hydrologic Unit 02030202, at south side of Montauk Point State Parkway, 110 ft west of Highway Marker 27 0705 19.02, Montauk. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 168 ft, screened 158 to 163 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.94 ft NGVD, May 23, 1983; lowest measured, 2.62 ft NGVD, November 3, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.42	DEC 27	3.20	FEB 21	3.52	APR 24	3.57	JUN 30	3.64	AUG 24	3.30
NOV 20	3.52	JAN 31	3.76	MAR 18	3.23	MAY 14	3.72	JUL 21	3.57	SEP 24	3.41



405801072354401. Local number, S 71576.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, 1.6 miles north of Main Road, southern middle well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 448 ft, screened 443 to 448 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 1.16 ft below land-surface datum.
PERIOD OF RECORD.--February 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.02 ft NGVD, September 27, 1984; lowest measured, 7.31 ft NGVD, July 22, 1992.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	7.80	DEC 30	7.60	FEB 20	7.70	APR 23	7.61	JUN 16	7.62	AUG 26	7.61
NOV 26	7.65	JAN 30	7.68	MAR 18	7.59	MAY 21	7.47	JUL 22	7.31	SEP 17	7.82

405842072240003. Local number, S 73993.1
LOCATION.--Lat 40°58'42", long 72°24'00", Hydrologic Unit 02030202, at southwest corner of Noyack Road and Majors Path, North Sea. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 1 1/4 in., depth 238 ft, screened 230 to 235 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 24.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. PVC casing, 0.51 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.47 ft NGVD, April 17, 1984; lowest measured, 4.43 ft NGVD, September 23, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.06	DEC 27	4.89	FEB 21	5.19	APR 24	5.08	JUN 30	5.21	AUG 24	4.99
NOV 20	5.12	JAN 31	5.18	MAR 16	4.96	MAY 14	5.19	JUL 21	5.05	SEP 24	5.03

405800072150005. Local number, S 73994.1
LOCATION.--Lat 40°58'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, northern most well, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 1 1/4 in., depth 303 ft, screened 298 to 303 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. PVC casing, at land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft NGVD, June 20, 1984; lowest measured, 4.30 ft NGVD, October 28, 1988

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.86	DEC 27	4.68	FEB 21	5.21	APR 24	5.15	JUN 30	4.87	AUG 24	4.89
NOV 20	4.84	JAN 31	5.17	MAR 16	5.06	MAY 14	5.07	JUL 21	4.81	SEP 24	5.04

405858072213501. Local number, S 73998.1
LOCATION.--Lat 40°58'58", long 72°21'35", Hydrologic Unit 02030202, at south end of Club Lane, 624 ft west of Wildwood Road, near Highway Department entrance, southern most well, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 1/4 in., depth 803 ft, screened 795 to 800 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 99.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/4-in. steel casing, 0.2 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.73 ft NGVD, August 30, 1989; lowest measured, 4.00 ft NGVD, December 5, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.27	DEC 27	4.99	FEB 21	5.13	APR 24	5.20	JUN 30	4.85	AUG 24	5.75
NOV 20	5.34	JAN 31	5.46	MAR 16	4.96	MAY 14	5.18	JUL 21	4.86	SEP 24	4.77

405858072213602. Local number, S 73999.1
LOCATION.--Lat 40°58'58", long 72°21'35", Hydrologic Unit 02030202, at south end of Club Lane, 624 ft west of Wildwood Road, near Highway Department entrance, northern most well, Noyack. Owner: Suffolk County Department of Helath Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 3 in., depth 597 ft, screened 584 to 594 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 99.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in. steel casing, 0.35 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.63 ft NGVD, April 17, 1984; lowest measured, 8.73 ft NGVD, December 18, 1990.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.39	DEC 27	9.89	FEB 21	10.30	APR 24	10.30	JUN 30	9.94	AUG 24	9.72
NOV 20	10.39	JAN 31	10.68	MAR 16	9.96	MAY 14	10.19	JUL 21	9.72	SEP 24	9.79

405322072454101. Local number, S 74292.1
LOCATION.--Lat 40°53'23", long 72°45'43", Hydrologic Unit 02030202, at south side of Mill Road, opposite Primrose Path, Brookhaven. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 56 ft, screened 52 to 56 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 73.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.22 ft NGVD, June 21, 1984; lowest measured, 33.64 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	38.06	DEC 30	37.16	FEB 20	36.94	APR 23	36.79	JUN 16	37.01	AUG 26	37.04
NOV 26	37.56	JAN 30	37.02	MAR 16	36.85	MAY 21	35.86	JUL 22	37.39	SEP 17	36.85

404433073244903. Local number, S 74586.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, western most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 441 ft, screened 433 to 438 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.90 ft below land-surface datum.
REMARKS.--Well also sampled for water quality.
PERIOD OF RECORD.--April 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.33 ft NGVD, June 5, 1984; lowest measured, 50.58 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.46	DEC 20	55.66	FEB 19	55.03	APR 13	54.57	JUN 29	53.76	AUG 31	54.46
NOV 13	56.04	JAN 27	55.13	MAR 16	54.75	MAY 11	54.36	JUL 14	53.67	SEP 22	54.10

404433073244904. Local number, S 74587.1
LOCATION.--Lat 40°44'43", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, middle well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 196 ft, screened 188 to 193 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.22 ft below land-surface datum.
REMARKS.--Well also sampled for water quality.
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 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	57.39	DEC 20	56.49	FEB 19	55.79	APR 13	55.42	JUN 29	54.89	AUG 31	55.33
NOV 13	56.89	JAN 27	56.05	MAR 16	55.53	MAY 11	55.22	JUL 14	54.73	SEP 22	55.08

404433073244905. Local number, S 75033.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, eastern most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 62 ft, screened 47 to 52 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.51 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.19 ft NGVD, June 5, 1984; lowest measured, 51.81 ft NGVD, October 24, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	57.49	DEC 20	56.61	FEB 19	55.89	APR 13	55.55	JUN 29	55.04	AUG 31	55.43
NOV 13	57.00	JAN 27	56.16	MAR 16	55.62	MAY 11	55.32	JUL 14	54.86	SEP 22	55.19

404433073244902. Local number, S 75034.2
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, northern middle well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 698 ft, screened 688 to 693 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.26 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.57 ft NGVD, June 9, 1984; lowest measured, 50.12 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	55.90	DEC 20	55.15	FEB 19	54.58	APR 13	54.07	JUN 29	54.10	AUG 31	53.94
NOV 13	55.54	JAN 27	54.59	MAR 16	54.32	MAY 11	53.84	JUL 14	53.11	SEP 22	53.54

404859073194002. Local number, S 75454.2
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 154 ft north of parking lot, northern most well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 740 ft, screened 730 to 735 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 230.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.05 ft NGVD, March 21, 1991; lowest measured, 63.34 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	73.16	DEC 16	73.01	FEB 28	72.90	APR 21	72.39	JUN 26	70.86	AUG 27	70.09
NOV 20	73.28	JAN 31	73.23	MAR 16	72.70	MAY 22	71.63	JUL 17	70.60	SEP 24	69.95

404859073194003. Local number, S 75455.1
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 144 ft north of parking lot, middle well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 508 ft, screened 500 to 505 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 230.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.45 ft NGVD, March 21, 1991; lowest measured, 63.86 ft NGVD, August 23, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	73.53	DEC 16	73.38	FEB 28	73.33	APR 21	72.85	JUN 26	71.41	AUG 27	70.59
NOV 20	73.71	JAN 31	73.66	MAR 16	73.14	MAY 22	72.17	JUL 17	71.10	SEP 24	70.38

404859073194004. Local number, S 75456.1
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 134 ft north of parking lot, southern most well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 203 ft, screened 195 to 200 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 230.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.98 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.96 ft NGVD, November 20, 1991; lowest measured, 71.50 ft NGVD, September 16, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	78.89	DEC 16	78.68	FEB 28	78.43	APR 21	78.02	JUN 26	77.02	AUG 27	76.32
NOV 20	78.96	JAN 31	78.76	MAR 16	78.27	MAY 22	77.52	JUL 17	76.82	SEP 24	76.08

404530073181102. Local number, S 76016.2
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, western most well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 762 ft, screened 752 to 757 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.33 ft below land-surface datum.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.77 ft NGVD, November 16, 1990; lowest measured, 38.98 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	44.58	DEC 20	43.97	FEB 19	44.41	APR 13	43.32	JUN 29	43.18	AUG 31	43.17
NOV 13	44.42	JAN 27	43.44	MAR 16	43.56	MAY 11	43.33	JUL 14	42.20	SEP 22	43.07

404530073181103. Local number, S 76017.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, eastern middle well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 503 ft, screened 495 to 500 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.35 ft below land-surface datum.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.50 ft NGVD, November 16, 1990; lowest measured, 39.22 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	44.23	DEC 20	43.55	FEB 19	44.34	APR 13	43.07	JUN 29	42.89	AUG 31	42.82
NOV 13	44.05	JAN 27	43.16	MAR 16	43.25	MAY 11	42.96	JUL 14	41.89	SEP 22	42.73

404530073181104. Local number, S 76018.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, western middle well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 194 ft, screened 186 to 191 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.24 ft below land-surface datum.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.08 ft NGVD, November 16, 1990; lowest measured, 38.46 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	44.41	DEC 20	43.50	FEB 19	44.43	APR 13	43.44	JUN 29	43.40	AUG 31	43.04
NOV 13	44.20	JAN 27	43.49	MAR 16	43.52	MAY 11	43.12	JUL 14	42.34	SEP 22	43.08

404530073181105. Local number, S 76019.1
LOCATION.--Lat 40°45'30", long 73°18'11", Hydrologic Unit 02030202, at south side of Burt Drive, 150 ft west of West Jefryn Boulevard, eastern most well, Deer Park. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 62 ft, screened 57 to 62 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 63.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. PVC coupling, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--September 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.11 ft NGVD, October 16, 1990; lowest measured, 50.44 ft NGVD, January 24, 1989.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	53.95	DEC 20	52.97	FEB 19	52.26	APR 13	52.18	JUN 29	52.65	AUG 31	53.39
NOV 13	53.20	JAN 27	52.35	MAR 16	52.23	MAY 11	52.09	JUL 14	52.51	SEP 22	53.03

405317072331902. Local number, S 77435.1
LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at south side of dirt road, 145 ft east of Riverhead-Hampton Bays Road (Rt. 24), 195 ft south of Bellows Pond Road, eastern most well, Rampasture. Owner: Suffolk County Department of Helath Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 27 ft, screened 25 to 27 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 18.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.04 ft NGVD, April 19, 1990; lowest measured, 6.77 ft NGVD, October 28, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.04	DEC 20	8.15	FEB 19	8.34	APR 13	8.20	JUN 29	8.41	AUG 31	8.07
NOV 13	8.00	JAN 27	8.32	MAR 16	8.14	MAY 11	8.09	JUL 14	8.16	SEP 22	8.45

405317072331903. Local number, S 77436.2
LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at south side of dirt road, 138 ft east of Riverhead-Hampton Bays Road (Rt. 24), 195 ft south of Bellows Pond Road, western most well, Rampasture. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 508 ft, screened 500 to 505 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 18.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.24 ft NGVD, August 23, 1989; lowest measured, 6.94 ft NGVD, September 22, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.06	DEC 20	7.90	FEB 19	8.25	APR 13	7.98	JUN 29	8.19	AUG 31	7.91
NOV 13	8.07	JAN 27	7.99	MAR 16	7.92	MAY 11	7.99	JUL 14	8.08	SEP 22	8.19

403935073235003. Local number, S 79407.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road, across from Harding Road, western middle well, Tanner Park, Copiaque. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 1,219 ft, screened 1,192 to 1,214 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of removable extension, 10.39 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation. Flowing well, measurement taken from top of removable calibrated PVC extension. Well also sampled for water quality.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.29 ft NGVD, February 24, 1992, and April 7, 1992; lowest measured, 14.07 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	17.00	FEB 24	18.29	MAY 20	17.92	JUL 29	17.44	AUG 20	17.14	SEP 21	17.60
NOV 25	17.01	APR 7	18.29	JUN 17	16.87						

403935073235004. Local number, S 79408.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at south side of Kerrigan Road, across from Harding Road, western most well, Tanner Park, Copaique. Owner: Suffolk County Department of Helath Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 680 ft, screened 670 to 675 ft.
INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by USGS personnel.
DATUM.--Land-surface datum is 7.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. steel coupling, 0.58 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation. Well also sampled for water quality.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.22 ft NGVD, March 4, 1991; lowest measured, 5.28 ft NGVD, July 16, 1986.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	6.35	JAN 24	6.51	APR 3	6.48	APR 29	6.39	JUN 17	5.62	AUG 20	6.30
NOV 25	6.15	FEB 24	6.19	7	6.17	MAY 20	5.79	JUL 29	6.00	SEP 21	5.96
DEC 26	6.09										

405604073064302. Local number, S 81831.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at north side of Route 25A, 199 ft west of Ridgeway Avenue, East Setauket. Owner: Suffolk County Department of Environmental Consevation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 470 ft, screened 462 to 467 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 94.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.96 ft below land-surface datum.
PERIOD OF RECORD.--March 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.03 ft NGVD, February 13, 1991; lowest measured, 18.77 ft NGVD, August 23, 1988.

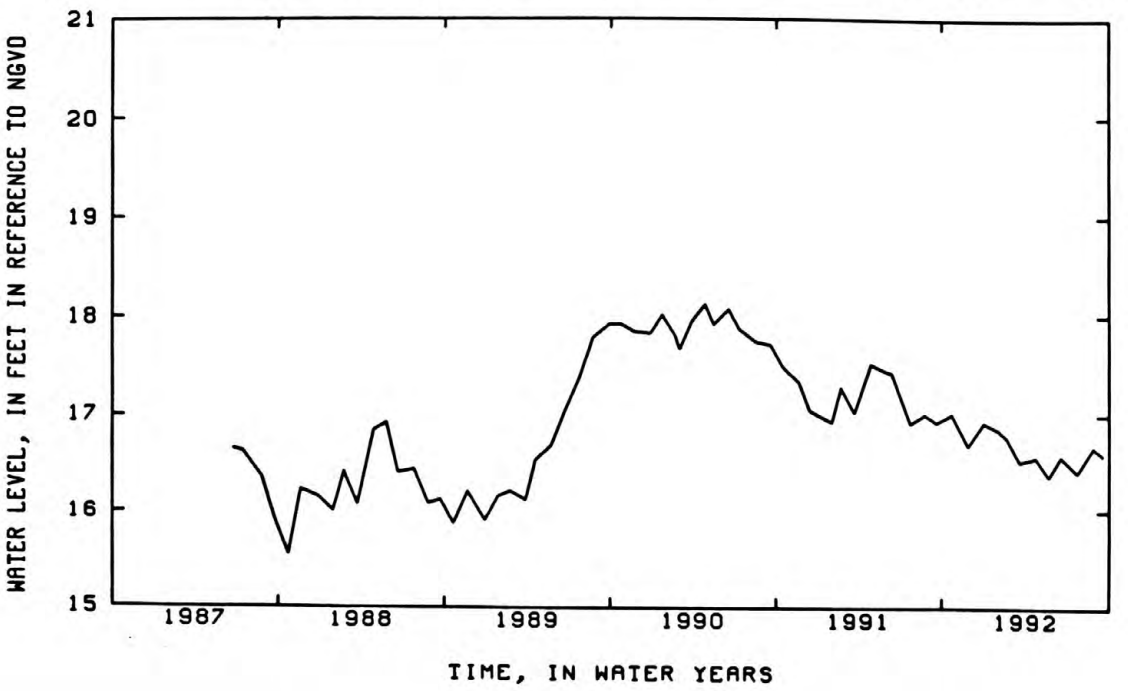
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	22.22	DEC 16	22.07	FEB 27	22.03	APR 21	21.41	JUN 25	21.04	AUG 27	20.56
NOV 20	22.91	JAN 31	22.03	MAR 16	21.69	MAY 22	20.12	JUL 17	20.57	SEP 24	20.56

405536072375301. Local number, S 82938.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at north side of entrance road, Indian Island Park, 107 ft east of restroom facilities, Riverhead. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 1,022 ft, screened 1,010 to 1,022 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.11 ft NGVD, April 27, 1990; lowest measured, 15.55 ft NGVD, October 23, 1987.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

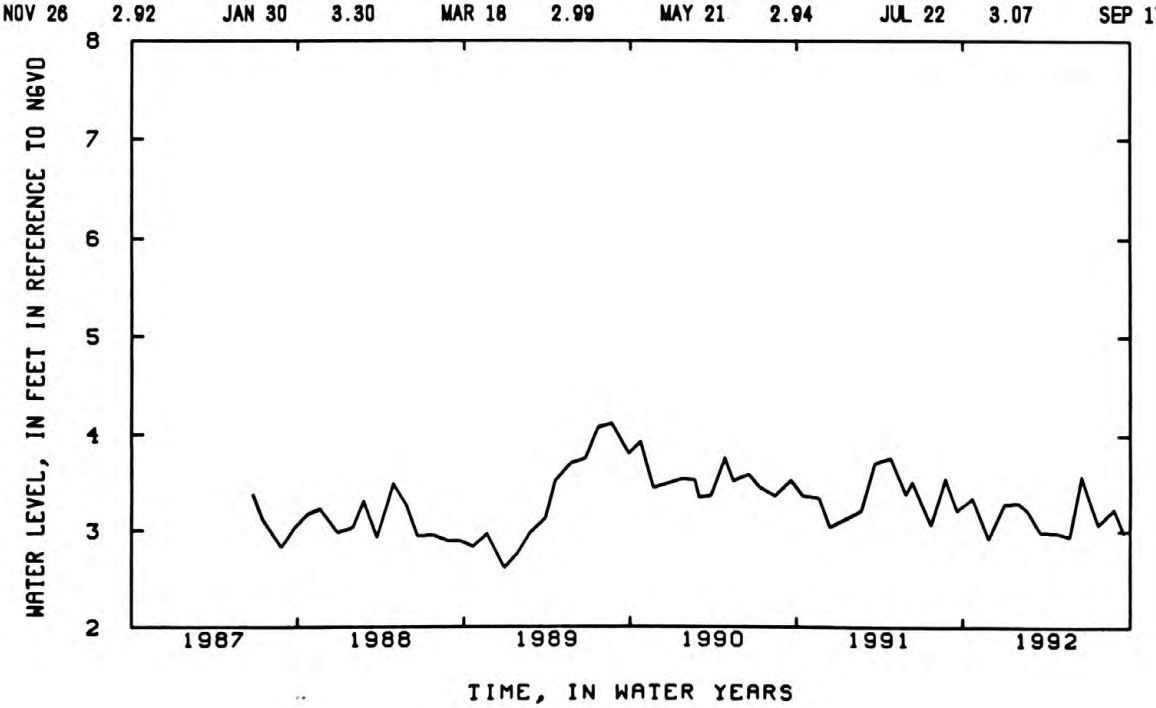
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	17.00	DEC 30	16.91	FEB 20	16.76	APR 23	16.56	JUN 16	16.57	AUG 26	16.67
NOV 26	16.68	JAN 30	16.84	MAR 18	16.51	MAY 21	16.36	JUL 22	16.41	SEP 17	16.59



405536072375302. Local number, S 82939.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at north side of entrance, Indian Island Park, 107 ft east of restroom facilities, Riverhead. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 162 ft, screened 155 to 162 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.03 ft below land surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft NGVD, August 22, 1989; lowest measured, 2.61 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.35	DEC 30	3.29	FEB 20	3.22	APR 23	2.98	JUN 16	3.58	AUG 26	3.24
NOV 26	2.92	JAN 30	3.30	MAR 18	2.99	MAY 21	2.94	JUL 22	3.07	SEP 17	2.99



405641072341602. Local number, S 83709.1
LOCATION.--Lat 40°56'41", long 72°34'16", Hydrologic Unit 02030202, at east side of state boat ramp, Jamesport, 118 ft south of Peconic Bay Boulevard, western most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 161 ft, screened 153 to 158 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.02 ft NGVD, August 22, 1989; lowest measured, 1.55 ft NGVD, April 27, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.07	DEC 30	3.24	FEB 20	4.09	APR 23	4.76	JUN 16	4.14	AUG 26	4.01
NOV 26	4.02	JAN 30	4.10	MAR 18	3.81	MAY 21	3.71	JUL 22	3.78	SEP 17	3.84

405641072341604. Local number, S 83792.1
LOCATION.--Lat 40°56'41", long 72°34'16", Hydrologic Unit 02030202, at eastside of state boat ramp, Jamesport, 118 ft south of Peconic Bay Boulevard, eastern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered steel observation well, diameter 2 in., depth 18 ft, screened 16 to 18 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.29 ft above land-surface datum.
PERIOD OF RECORD.--August 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft NGVD, July 21, 1989; lowest measured, 0.92 ft NGVD, December 29, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	1.91	DEC 30	1.93	FEB 20	1.78	APR 23	1.35	JUN 16	1.97	AUG 26	1.93
NOV 26	1.21	JAN 30	1.86	MAR 18	2.46	MAY 21	1.39	JUL 22	1.48	SEP 17	1.47

404846072533204. Local number, S 84806.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at north side of dirt road, 227 ft west of Carman's River, eastern most well, Southhaven County Park, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC to steel observation well, diameter 8 in. from surface to 75 ft, and 2 in. from 75 ft to bottom, depth 849 ft, screened 839 to 849 ft.
INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by USGS personnel.
DATUM.--Land-surface datum is 17.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel meter box rim, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.81 ft NGVD, June 15, 1990; lowest measured, 21.74 ft NGVD, March 23, 1987, and September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	24.01	DEC 26	23.56	FEB 24	23.37	APR 29	23.16	JUN 17	23.06	AUG 20	23.26
NOV 25	23.85	JAN 24	23.51	MAR 16	23.43	MAY 20	23.16	JUL 29	23.13	SEP 21	23.15

404846072533201. Local number, S 84807.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at north side of dirt road, 253 ft west of Carman's River, western most well, Southaven County Park, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC to steel observation well, diameter 8 in. from surface to 94 ft, and 4 in. from 94 ft to bottom, depth 556 ft, screened 545 to 556 ft.
INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by USGS personnel.
DATUM.--Land-surface datum is 17.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel meter box rim, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.45 ft NGVD, June 15, 1990; lowest measured, 19.50 ft NGVD, September 30, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	21.33	DEC 26	20.92	FEB 24	20.67	APR 29	20.84	JUN 17	20.56	AUG 20	20.76
NOV 25	21.14	JAN 24	20.97	MAR 16	21.22	MAY 20	20.24	JUL 29	20.60	SEP 21	20.66

404846072533203. Local number, S 84808.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at north side of dirt road, 240 ft west of Carman's River, eastern middle well, Southaven County Park, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 109 ft, screened 101 to 106 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 17.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.21 ft above land-surface datum.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.73 ft NGVD, March 4, 1991; lowest measured, 10.31 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.90	DEC 26	11.00	FEB 24	10.92	APR 29	10.93	JUN 17	11.03	AUG 20	10.99
NOV 25	10.88	JAN 24	11.02	MAR 16	10.90	MAY 20	11.72	JUL 29	10.78	SEP 21	10.77

404846072533202. Local number, S 85712.1
LOCATION.--Lat 40°48'46", long 72°53'32", Hydrologic Unit 02030202, at north side of dirt road, 246 ft west of Carman's River, western middle well, Southaven County Park, Yaphank. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 22 ft, screened 21 to 22 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 17.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel coupling, 0.52 ft below land-surface datum.
PERIOD OF RECORD.--March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.19 ft NGVD, June 9, 1988; lowest measured, 10.17 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.76	DEC 26	10.87	FEB 24	10.79	APR 29	10.81	JUN 17	10.89	AUG 20	10.88
NOV 25	10.76	JAN 24	10.89	MAR 16	10.80	MAY 20	10.71	JUL 29	10.65	SEP 21	10.64

404433073244906. Local number, S 87041.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, northern most well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 983 ft, screened 968 to 978 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.28 ft above land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.63 ft NGVD, March 20, 1991; lowest measured, 22.84 ft NGVD, August 22, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	26.74	DEC 20	27.34	FEB 19	28.16	APR 13	27.85	JUN 29	27.10	AUG 31	26.40
NOV 13	27.36	JAN 27	27.74	MAR 16	28.05	MAY 11	27.84	JUL 14	26.88	SEP 22	26.18

405801072354404. Local number, S 91812.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 175 ft north of power lines, northern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 99 ft, screened 91 to 96 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.73 ft NGVD, May 15, 1990; lowest measured, 7.56 ft NGVD, July 22, 1992.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	8.15	DEC 30	7.88	FEB 20	7.96	APR 23	7.86	JUN 16	7.90	AUG 26	7.89
NOV 26	7.95	JAN 30	7.93	MAR 18	7.86	MAY 21	7.75	JUL 22	7.56	SEP 17	8.12

405801072354405. Local number, S 91813.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 168 ft north of power lines, northern middle well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 199 ft, screened 191 to 196 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.20 ft below land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.78 ft NGVD, November 21, 1989; lowest measured, 5.75 ft NGVD, November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	8.68	DEC 30	8.31	FEB 20	8.40	APR 23	8.28	JUN 16	8.02	AUG 26	8.31
NOV 26	8.51	JAN 30	8.35	MAR 18	8.37	MAY 21	7.83	JUL 22	8.02	SEP 17	8.63

410038072284202. Local number, S 91814.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 155 ft north of power lines, southern most well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Augered PVC observation well, diameter 4 in., depth 77 ft, screened 67 to 72 ft.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 53.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in. PVC coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.69 ft NGVD, June 18, 1990; lowest measured, 5.77 ft NGVD, October 31 and November 4, 1988.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	8.50	JAN 30	8.35	MAR 18	8.38	MAY 21	7.82	JUL 22	8.03	SEP 17	8.64
DEC 30	8.33	FEB 20	8.40	APR 23	8.29	JUN 16	8.03	AUG 26	8.32		

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404057073583701	K 19. 1	404058	735840	112JMCO	1954	46.9	--	--	07-14-92	8.31
404057073583701	K 19. 1	404058	735840	112JMCO	1954	46.9	--	--	08-24-92	8.34
404057073583701	K 19. 1	404058	735840	112JMCO	1954	46.9	--	--	09-18-92	8.37
403612073573208	K 3159. 1	403612	735732	112GLCLU	1970	20.0	32	35	03-17-92	5.35
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	03-17-92	3.69
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	06-09-92	3.80
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	06-23-92	3.88
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	07-16-92	4.09
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	08-24-92	4.20
403605073571201	K 3247. 1	403605	735712	112GLCLU	1980	18.6	21	24	09-18-92	4.01
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	03-17-92	4.72
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	06-10-92	4.80
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	06-23-92	4.81
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	07-16-92	4.96
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	08-24-92	5.10
403712074001608	K 3248. 1	403712	740016	112GLCLU	1980	40.4	42	45	09-18-92	5.06
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	03-17-92	1.47
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	06-09-92	1.88
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	06-23-92	1.76
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	07-16-92	2.10
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	08-24-92	1.94
403442073575401	K 3250. 1	403443	735755	112GLCLU	1980	9.2	21	24	09-18-92	1.75
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	03-17-92	3.99
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	06-12-92	4.04
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	06-23-92	5.11
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	07-16-92	4.27
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	08-24-92	4.54
403827073535201	K 3255. 1	403827	735352	112GLCLU	1980	16.8	21	24	09-18-92	4.20
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	03-17-92	5.23
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	06-12-92	5.74
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	06-23-92	5.77
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	07-16-92	5.98
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	08-24-92	6.25
403949073532108	K 3256. 1	403949	735321	112GLCLU	1980	27.0	26	29	09-18-92	6.02
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	04-06-92	10.39
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	06-12-92	10.21
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	06-23-92	10.24
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	07-16-92	10.28
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	08-24-92	10.43
404017073544501	K 3257. 1	404017	735445	112GLCLU	1980	49.0	47	50	09-18-92	10.55
404057073585901	K 3259. 1	404056	735900	112GLCLU	1980	23.0	27	30	03-18-92	11.35
404057073585901	K 3259. 1	404056	735900	112GLCLU	1980	23.0	27	30	07-14-92	12.76
404057073585901	K 3259. 1	404056	735900	112GLCLU	1980	23.0	27	30	09-18-92	12.32
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	03-17-92	5.73
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	06-12-92	5.82
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	06-23-92	5.73
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	07-16-92	5.87
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	08-24-92	6.20
404025073515101	K 3271. 1	404025	735151	112GLCLU	1981	22.4	31	34	09-18-92	5.89
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	04-06-92	7.06
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	06-11-92	7.01
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	06-23-92	7.07
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	07-16-92	7.25
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	08-24-92	7.40
403817073580101	K 3273. 1	403817	735801	112GLCLU	1981	33.5	36	39	09-18-92	7.50
404037073584001	K 3301. 1	404036	735840	112GLCLU	1984	60.6	65	70	03-18-92	15.50

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404650073440901	N 22. 1	404642	734405	211MGTY	1971	20.0	126	145	04-02-92	5.44
404735073424218	N 24. 3	404735	734242	211LLYD	1955	11.8	359	419	08-25-92	-2.32
404856073442601	N 31. 2	404857	734427	112PGQF	1955	13.0	183	229	04-02-92	1.14
405110073430401	N 36. 2	405109	734303	112PGQF	1936	46.0	200	214	03-17-92	4.61
405244073352301	N 119. 1	405243	733524	211LLYD	1945	79.7	497	571	04-01-92	38.96
405355073355901	N 124. 1	405355	733600	211LLYD	1946	9.7	--	--	03-24-92	17.58
405231073323102	N 202. 1	405231	733232	211LLYD	1946	9.1	--	--	03-24-92	28.53
405342073340301	N 511. 1	405341	733403	112PGQF	1947	7.0	--	--	03-24-92	20.09
405548073382001	N 660. 1	405149	733819	211LLYD	1946	58.0	--	404	04-17-92	15.94
404940073392701	N 662. 1	404940	733927	211LLYD	1977	10.6	347	363	11-05-91	15.14
404940073392701	N 662. 1	404940	733927	211LLYD	1977	10.6	347	363	06-02-92	14.80
404527073353301	N 845. 1	404527	733533	211MGTY	1941	110.0	--	204	03-24-92	68.83
405036073391201	N 906. 1	405035	733912	211LLYD	1946	11.1	319	419	04-01-92	19.29
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	03-25-92	8.12
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	05-18-92	8.57
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	06-24-92	8.69
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	07-22-92	8.84
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	08-19-92	10.12
403748073422603	N 1115. 3	403748	734226	112GLCLU	1990	22.0	--	--	09-18-92	9.72
405048073404303	N 1118.21	405048	734043	112GLCLU	1961	147.0	73	82	03-17-92	77.99
405048073404303	N 1118.21	405048	734043	112GLCLU	1961	147.0	73	82	05-28-92	77.56
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	11-05-91	47.23
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	03-17-92	47.33
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	04-20-92	47.40
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	05-18-92	47.19
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	06-02-92	47.09
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	06-15-92	47.04
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	07-16-92	46.91
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	08-28-92	46.93
404835073404004	N 1120. 4	404835	734040	112GLCLU	1976	116.0	95	100	09-25-92	46.77
403942073371301	N 1147. 2	403942	733713	112GLCLU	1966	27.0	21	24	03-16-92	12.99
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	11-06-91	42.25
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	03-18-92	42.21
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	04-16-92	40.94
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	05-19-92	40.80
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	05-29-92	40.75
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	06-15-92	40.69
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	07-15-92	40.57
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	08-27-92	40.33
405318073375501	N 1149. 1	405318	733755	112PGFG	1941	89.0	77	82	09-25-92	40.05
405007073373101	N 1153. 1	405007	733731	211MGTY	1940	122.0	--	86	11-06-91	57.48
405007073373101	N 1153. 1	405007	733731	211MGTY	1940	122.0	--	86	03-18-92	56.92
405007073373101	N 1153. 1	405007	733731	211MGTY	1940	122.0	--	86	05-29-92	55.95
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	10-31-91	68.90
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	04-24-92	68.49
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	05-19-92	68.19

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	06-05-92	67.97
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	07-15-92	67.34
404800073371201	N 1155. 1	404800	733712	211MGTY	1941	261.0	--	230	08-21-92	66.79
404736073353101	N 1176. 1	404736	733531	211MGTY	1940	195.0	193	198	03-18-92	79.71
404736073353101	N 1176. 1	404736	733531	211MGTY	1940	195.0	193	198	06-04-92	77.96
404037073335303	N 1184. 3	404036	733351	112GLCLU	1969	32.0	26	31	10-21-91	18.32
404037073335303	N 1184. 3	404036	733351	112GLCLU	1969	32.0	26	31	03-16-92	18.24
404037073335303	N 1184. 3	404036	733351	112GLCLU	1969	32.0	26	31	06-29-92	18.04
405246073343301	N 1189. 1	405246	733433	112PGFG	1941	67.0	--	--	11-06-91	58.42
405246073343301	N 1189. 1	405246	733433	112PGFG	1941	67.0	--	--	03-30-92	58.58
405246073343301	N 1189. 1	405246	733433	112PGFG	1941	67.0	--	--	05-29-92	58.91
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	03-18-92	79.11
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	04-23-92	78.96
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	05-14-92	78.35
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	06-16-92	78.08
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	07-14-92	77.77
404614073330504	N 1195. 5	404614	733305	211MGTY	1976	148.0	111	116	08-20-92	77.92
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	10-21-91	37.20
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	03-16-92	36.57
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	04-23-92	36.63
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	05-14-92	36.16
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	06-16-92	36.47
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	07-14-92	36.25
404202073315105	N 1201. 3	404202	733151	112GLCLU	1961	56.0	26	30	08-20-92	37.61
404015073312702	N 1204. 2	404015	733127	112GLCLU	1975	21.0	37	40	10-21-91	11.75
404015073312702	N 1204. 2	404015	733127	112GLCLU	1975	21.0	37	40	03-16-92	11.87
405228073322901	N 1207. 1	405228	733229	112GLCLU	1938	23.0	--	--	11-06-91	18.14
405228073322901	N 1207. 1	405228	733229	112GLCLU	1938	23.0	--	--	03-18-92	18.12
405228073322901	N 1207. 1	405228	733229	112GLCLU	1938	23.0	--	--	05-29-92	17.81
404542073282803	N 1232. 3	404542	732828	211MGTY	1975	111.0	52	57	05-14-92	73.24
404542073282803	N 1232. 3	404542	732828	211MGTY	1975	111.0	52	57	06-16-92	72.86
404542073282803	N 1232. 3	404542	732828	211MGTY	1975	111.0	52	57	07-14-92	72.23
404542073282803	N 1232. 3	404542	732828	211MGTY	1975	111.0	52	57	08-20-92	72.53
404301073275104	N 1236. 3	404301	732751	112GLCLU	1975	70.0	47	52	03-17-92	43.14
404810073260102	N 1250. 2	404810	732601	112GLCLU	1956	61.0	30	34	03-17-92	44.06
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	03-17-92	23.82
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	04-24-92	23.96
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	05-14-92	23.68
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	06-16-92	23.96
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	07-14-92	23.49
404133073253802	N 1252. 3	404133	732538	112GLCLU	1958	31.0	21	24	08-20-92	24.59
404102073283401	N 1260. 1	404102	732834	112GLCLU	1936	33.0	--	--	10-21-91	19.70
404102073283401	N 1260. 1	404102	732834	112GLCLU	1936	33.0	--	--	03-17-92	19.26
404102073283401	N 1260. 1	404102	732834	112GLCLU	1936	33.0	--	--	07-01-92	19.29
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	03-24-92	5.45
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	05-21-92	5.36
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	06-23-92	5.45
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	07-30-92	5.15
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	08-19-92	6.43
403948073272704	N 1278. 2	403948	732727	112GLCLU	1965	13.0	11	14	09-15-92	5.42
404024073272804	N 1280. 2	404024	732728		1965	20.0	--	--	03-17-92	10.05

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404655073444501	N 1298. 2	404655	734445	211LLYD	1946	14.5	286	336	04-02-92	6.31
404713073410501	N 1328. 2	404713	734105	211LLYD	1946	182.0	652	742	03-20-92	12.48
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	03-25-92	6.01
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	05-18-92	6.34
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	06-24-92	6.32
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	07-22-92	6.48
403637073434502	N 1422. 2	403637	734345	112GLCLU	1964	16.0	--	--	08-19-92	7.77
404008073380501	N 1438. 2	404009	733804	112GLCLU	1981	35.0	--	--	03-16-92	15.57
403926073381601	N 1439. 2	403925	733817	112GLCLU	1984	27.0	--	--	03-16-92	10.07
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	03-16-92	19.42
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	04-21-92	19.65
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	05-12-92	19.58
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	06-29-92	19.33
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	06-29-92	19.34
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	07-24-92	19.19
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	08-20-92	20.50
404032073360603	N 1442. 3	404032	733606	112GLCLU	1967	29.0	21	24	09-22-92	19.54
404027073324301	N 1446. 1	404026	733242	112GLCLU	1952	20.0	--	--	10-21-91	14.89
404027073324301	N 1446. 1	404026	733242	112GLCLU	1952	20.0	--	--	03-16-92	14.86
404027073324301	N 1446. 1	404026	733242	112GLCLU	1952	20.0	--	--	06-29-92	14.75
404038073400101	N 1459. 2	404038	734001	112GLCLU	1956	36.0	26	29	03-16-92	16.36
404038073400101	N 1459. 2	404038	734001	112GLCLU	1956	36.0	26	29	07-21-92	16.13
404512073295902	N 1461. 2	404512	732959		1983	131.0	81	86	03-17-92	72.54
405325073293301	N 1486. 1	405325	732933	211LLYD	1984	8.0	--	--	03-24-92	16.44
404052073414201	N 1613. 1	404052	734142	211MGTY	1968	25.0	--	495	03-16-92	11.81
404908073410901	N 1715. 2	404907	734111	211LLYD	1945	102.0	430	480	03-17-92	4.78
404532073420901	N 1802. 2	404512	734210	211LLYD	1946	131.0	641	691	03-20-92	12.71
404425073424801	N 1958. 1	404426	734148	211LLYD	1946	116.9	667	727	03-28-92	12.17
404826073450401	N 2214. 2	404826	734504	211LLYD	1976	45.0	236	286	04-02-92	2.29
404516073343401	N 2602. 2	404518	733433	211LLYD	1953	116.0	760	800	03-24-92	21.58
404943073415201	N 2635. 1	404943	734152	112GRDR	1948	41.0	150	154	11-04-91	25.82
404943073415201	N 2635. 1	404943	734152	112GRDR	1948	41.0	150	154	03-17-92	24.96
404943073415201	N 2635. 1	404943	734152	112GRDR	1948	41.0	150	154	05-29-92	24.59
404445073365101	N 2748. 3	404445	733651	211MGTY	1982	94.0	460	510	03-31-92	58.70
404751073440302	N 2749. 2	404751	734405	211LLYD	1949	56.0	389	394	11-07-91	4.54
404818073434601	N 3443. 3	404815	734345	211LLYD	1982	133.0	424	464	04-02-92	0.34
404850073344501	N 3475. 1	404849	733445	211MGTY	1955	208.0	432	482	03-24-92	76.69
404359073283601	N 3554. 1	404359	732836	211MGTY	1968	90.0	265	269	03-17-92	55.87
404359073283601	N 3554. 1	404359	732836	211MGTY	1968	90.0	265	269	05-14-92	55.09
404359073283601	N 3554. 1	404359	732836	211MGTY	1968	90.0	265	269	06-16-92	55.38
404359073283601	N 3554. 1	404359	732836	211MGTY	1968	90.0	265	269	07-14-92	54.00
403842073420201	N 3707. 3	403842	734202	112GLCLU	1968	8.0	15	17	03-25-92	1.89
403842073420201	N 3707. 3	403842	734202	112GLCLU	1968	8.0	15	17	07-20-92	1.84

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403842073420201	N 3707. 3	403842	734202	112GLCLU	1968	8.0	15	17	09-18-92	1.80
403823073422301	N 3710. 1	403823	734322	112GLCLU	1968	6.0	15	18	03-25-92	0.43
403823073422301	N 3710. 1	403823	734322	112GLCLU	1968	6.0	15	18	07-20-92	1.11
403823073422301	N 3710. 1	403823	734322	112GLCLU	1968	6.0	15	18	09-18-92	0.58
403859073430501	N 3711. 3	403859	734305	112GLCLU	1968	8.0	21	24	03-25-92	1.09
403821073441801	N 3862. 2	403821	734418	211MGTY	1968	8.0	295	306	03-25-92	3.23
403821073441801	N 3862. 2	403821	734418	211MGTY	1968	8.0	295	306	07-17-92	2.92
403821073441801	N 3862. 2	403821	734418	211MGTY	1968	8.0	295	306	09-17-92	2.83
403734073374801	N 3865. 2	403734	733748	211MGTY	1955	5.0	553	563	04-03-92	4.00
404403073370901	N 3934. 1	404402	733708	211MGTY	1982	86.0	377	417	03-31-92	54.81
403821073441702	N 4062. 1	403821	734418	112JMCO	1968	8.0	137	142	03-25-92	3.37
403821073441702	N 4062. 1	403821	734418	112JMCO	1968	8.0	137	142	06-22-92	2.87
403904073324101	N 4149. 2	403904	733241	211MGTY	1968	4.8	546	562	03-26-92	8.33
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	11-07-91	4.53
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	03-17-92	7.88
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	05-20-92	5.79
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	07-14-92	0.96
404753073440303	N 4266. 2	404752	734403	211LLYD	1954	57.0	377	393	08-25-92	-1.23
405221073300701	N 4400. 2	405154	732958	211MGTY	1965	36.0	214	302	04-01-92	31.80
405326073351401	N 5152. 1	405326	733514	112PGQF	1955	44.1	305	355	04-01-92	24.89
404941073403101	N 5210. 1	404941	734031	112GLCLU	1955	200.0	292	302	03-17-92	19.60
405129073361501	N 5762. 2	405129	733615	211MGTY	1956	145.0	221	280	03-30-92	57.80
404820073381401	N 5883. 1	404820	733814	211MGTY	1956	208.0	210	215	11-05-91	51.64
404820073381401	N 5883. 1	404820	733814	211MGTY	1956	208.0	210	215	03-17-92	51.88
404820073381401	N 5883. 1	404820	733814	211MGTY	1956	208.0	210	215	06-02-92	51.02
403801073390703	N 6366. 3	403801	733907	112GLCLU	1966	7.0	--	--	03-24-92	0.87
403842073433201	N 6510. 1	403842	734332	211MGTY	1958	8.0	455	461	03-25-92	-2.53
403842073433201	N 6510. 1	403842	734332	211MGTY	1958	8.0	455	461	07-17-92	-3.13
403842073433201	N 6510. 1	403842	734332	211MGTY	1958	8.0	455	461	09-17-92	-2.98
405242073352201	N 6670. 1	405242	733522	112GLCLU	1968	81.0	--	--	11-06-91	74.16
405242073352201	N 6670. 1	405242	733522	112GLCLU	1968	81.0	--	--	03-16-92	73.42
405242073352201	N 6670. 1	405242	733522	112GLCLU	1968	81.0	--	--	03-18-92	73.38
405242073352201	N 6670. 1	405242	733522	112GLCLU	1968	81.0	--	--	05-29-92	73.15
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	03-25-92	7.92
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	05-18-92	8.32
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	06-22-92	8.40
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	06-24-92	8.66
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	07-22-92	8.27
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	08-19-92	8.43
403517073430610	N 6701. 2	403517	734306	211RCNF	1968	11.0	822	832	09-18-92	7.88
403517073430703	N 6703. 1	403517	734306	211MGTY	1968	10.0	468	478	03-25-92	1.64
403517073430703	N 6703. 1	403517	734306	211MGTY	1968	10.0	468	478	06-22-92	1.55
403517073430704	N 6704. 1	403517	734306	211MGTY	1968	10.0	284	294	03-25-92	4.69
403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	05-18-92	-2.46
403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	06-24-92	-2.30

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403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	07-22-92	-2.19
403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	08-19-92	-1.55
403713073415905	N 6793. 1	403712	734159	112GLCLU	1992	6.0	9	11	09-18-92	-1.89
403533073353203	N 6851. 1	403533	733532	211MGTY	1968	7.0	551	556	03-23-92	5.80
403533073353204	N 6852. 1	403533	733532	211MGTY	1968	7.0	258	263	03-23-92	0.47
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	03-23-92	4.40
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	05-21-92	4.52
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	06-22-92	3.91
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	07-30-92	4.22
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	08-19-92	4.25
403533073353205	N 6853. 1	403533	733532	211MGTY	1968	7.0	127	132	09-15-92	4.10
403805073395302	N 6928. 2	403805	733953	211RCNF	1987	6.0	716	726	03-25-92	3.38
404635073331001	N 7030. 1	404635	733311	211MGTY	1964	158.0	480	530	03-24-92	88.78
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	03-18-92	10.80
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	05-19-92	9.60
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	06-15-92	7.74
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	07-15-92	6.67
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	08-27-92	6.74
405433073344602	N 7190. 1	405433	733446	112PGQF	1961	14.0	237	240	09-25-92	5.02
403838073405502	N 7235. 2	403838	734055	112GLCLU	1968	25.0	43	45	03-25-92	4.72
403838073405502	N 7235. 2	403838	734055	112GLCLU	1968	25.0	43	45	07-20-92	4.63
403838073405502	N 7235. 2	403838	734055	112GLCLU	1968	25.0	43	45	09-18-92	5.30
405018073395301	N 7244. 1	405018	733954	112PGQF	1981	13.9	292	302	11-05-91	13.58
405018073395301	N 7244. 1	405018	733954	112PGQF	1981	13.9	292	302	03-17-92	14.71
405018073395301	N 7244. 1	405018	733954	112PGQF	1981	13.9	292	302	04-17-92	14.90
405018073395301	N 7244. 1	405018	733954	112PGQF	1981	13.9	292	302	06-02-92	13.48
404544073265502	N 7397. 2	404544	732655	112GLCLU	1984	154.0	96	101	03-17-92	72.77
404002073333213	N 7407. 2	404002	733332	211MGTY	1974	24.0	480	645	03-31-92	10.18
404855073360102	N 7450. 2	404855	733601	211MGTY	1975	176.0	--	134	03-18-92	75.72
404855073360102	N 7450. 2	404855	733601	211MGTY	1975	176.0	--	134	06-04-92	74.97
404751073321901	N 7478. 1	404751	733219	211MGTY	1968	217.0	160	165	11-08-91	84.24
404751073321901	N 7478. 1	404751	733219	211MGTY	1968	217.0	160	165	03-16-92	84.19
404751073321901	N 7478. 1	404751	733219	211MGTY	1968	217.0	160	165	06-04-92	82.31
404652073394602	N 7553. 2	404652	733946	211MGTY	1964	153.0	396	406	10-31-91	33.09
404652073394602	N 7553. 2	404652	733946	211MGTY	1964	153.0	396	406	03-18-92	33.10
404652073394602	N 7553. 2	404652	733946	211MGTY	1964	153.0	396	406	04-21-92	33.69
404652073394602	N 7553. 2	404652	733946	211MGTY	1964	153.0	396	406	05-12-92	34.54
404652073394602	N 7553. 2	404652	733946	211MGTY	1964	153.0	396	406	06-03-92	34.15
404531073415401	N 7593. 1	405045	732830	211MGTY	1970	253.0	408	468	03-24-92	48.97
404345073411901	N 7650. 1	404344	734121	211MGTY	1967	97.0	400	440	03-23-92	40.38
404611073401005	N 7651. 2	404611	734010	211MGTY	1970	162.0	321	405	03-20-92	46.49
403805073395303	N 7675. 1	403805	733953	112GLCLU	1974	6.0	28	34	03-25-92	-0.49
403805073395304	N 7676. 1	403805	733953	112GLCLU	1974	5.5	7	10	03-25-92	-0.65
405010073305901	N 7773. 1	405010	733059	211MGTY	1969	230.0	500	560	03-24-92	65.34
404757073283301	N 8043. 1	404754	732831	211MGTY	1969	222.0	515	688	03-24-92	81.16

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403910073341701	N 8203. 1	403909	733416	112GLCLU	1973	7.0	13	16	10-21-91	3.17
403910073341701	N 8203. 1	403909	733416	112GLCLU	1973	7.0	13	16	03-23-92	3.22
403910073341701	N 8203. 1	403909	733416	112GLCLU	1973	7.0	13	16	06-29-92	2.99
404156073262004	N 8214. 2	404156	732620	211MGTY	1969	37.0	605	686	03-31-92	26.68
404149073373101	N 8264. 1	404150	733732	211MGTY	1970	54.0	460	510	03-03-92	26.42
403521073365902	N 8354. 2	403521	733659	211LLYD	1968	10.5	1,215	1,270	04-09-92	8.95
404039073303201	N 8412. 1	404039	733032	112GLCLU	1968	26.0	25	28	03-17-92	15.81
403558073302704	N 8414. 2	403559	733029	211LLYD	1969	7.5	1,005	1,075	04-09-92	5.88
403724073362701	N 8635. 1	403724	733728	112GLCLU	1970	7.0	26	29	03-24-92	4.79
403637073431101	N 8644. 1	403637	734309	112GLCLU	1970	18.0	21	24	03-25-92	4.72
403637073431101	N 8644. 1	403637	734309	112GLCLU	1970	18.0	21	24	07-17-92	4.73
403637073431101	N 8644. 1	403637	734309	112GLCLU	1970	18.0	21	24	09-17-92	5.09
404144073285201	N 8669. 1	404143	732850	112GLCLU	1970	42.0	30	35	10-21-91	29.70
404144073285201	N 8669. 1	404143	732850	112GLCLU	1970	42.0	30	35	03-17-92	28.69
404144073285201	N 8669. 1	404143	732850	112GLCLU	1970	42.0	30	35	07-01-92	28.14
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	03-23-92	2.18
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	05-21-92	2.47
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	06-22-92	2.80
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	07-30-92	2.74
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	08-19-92	3.25
403522073371903	N 8698. 1	403522	733719	112GLCLU	1970	9.0	16	20	09-15-92	2.81
403631073391002	N 8715. 1	403631	733910	112GLCLU	1971	7.0	16	18	03-25-92	2.40
405145073372901	N 8716. 1	405145	733729	112GLCLU	1970	47.0	--	--	03-18-92	38.92
405145073372901	N 8716. 1	405145	733729	112GLCLU	1970	47.0	--	--	05-29-92	39.65
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	03-24-92	3.95
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	05-21-92	3.79
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	06-23-92	3.94
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	07-30-92	3.35
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	08-19-92	5.02
403936073303501	N 8717. 1	403936	733035	112GLCLU	1974	9.0	11	15	09-15-92	3.60
405124073421002	N 8766. 2	405124	734210	112PGQF	1982	92.5	320	360	11-04-91	5.86
405124073421002	N 8766. 2	405124	734210	112PGQF	1982	92.5	320	360	03-16-92	6.15
405124073421002	N 8766. 2	405124	734210	112PGQF	1982	92.5	320	360	03-17-92	6.22
405124073421002	N 8766. 2	405124	734210	112PGQF	1982	92.5	320	360	05-28-92	3.86
403925073261101	N 8876. 1	403923	732611	112GLCLU	1972	5.0	30	35	03-24-92	1.95
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	11-07-91	11.01
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	03-17-92	9.76
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	04-20-92	10.05
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	05-18-92	9.82
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	05-20-92	9.92
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	06-15-92	9.68
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	06-19-92	9.54
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	07-16-92	10.12
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	08-25-92	9.25
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	08-28-92	9.33
404730073423101	N 8877. 1	404730	734231	112GLCLU	1972	12.0	71	76	09-25-92	8.92
405055073430701	N 8891. 1	405047	734314	112GLCLU	1972	60.0	67	72	11-04-91	8.31
405055073430701	N 8891. 1	405047	734314	112GLCLU	1972	60.0	67	72	03-16-92	8.51
405055073430701	N 8891. 1	405047	734314	112GLCLU	1972	60.0	67	72	05-28-92	8.27

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STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404723073443501	N 8933. 1	404723	734435	112PGQF	1973	32.0	143	148	11-07-91	12.44
404723073443501	N 8933. 1	404723	734435	112PGQF	1973	32.0	143	148	03-17-92	13.05
404723073443501	N 8933. 1	404723	734435	112PGQF	1973	32.0	143	148	05-20-92	12.05
404723073443501	N 8933. 1	404723	734435	112PGQF	1973	32.0	143	148	08-25-92	10.54
404313073352201	N 8944. 1	404313	733522	112GLCLU	1974	80.0	50	55	10-22-91	52.32
404313073352201	N 8944. 1	404313	733522	112GLCLU	1974	80.0	50	55	03-18-92	50.73
404313073352201	N 8944. 1	404313	733522	112GLCLU	1974	80.0	50	55	06-30-92	50.47
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	10-31-91	31.55
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	03-18-92	30.82
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	06-03-92	30.68
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	07-16-92	30.13
404606073434101	N 8970. 1	404606	734341	112GLCLU	1973	154.0	188	193	08-25-92	30.29
405153073420601	N 8994. 1	405152	734206	112PGQF	1981	21.0	298	308	11-04-91	6.05
405153073420601	N 8994. 1	405152	734206	112PGQF	1981	21.0	298	308	03-16-92	6.01
405153073420601	N 8994. 1	405152	734206	112PGQF	1981	21.0	298	308	05-28-92	3.58
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	04-03-92	4.94
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	05-21-92	4.83
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	06-22-92	4.92
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	07-30-92	4.66
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	08-19-92	5.87
403822073363302	N 9054. 1	403822	733633	112GLCLU	1974	14.0	35	40	09-15-92	5.25
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	10-22-91	53.99
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	03-16-92	52.59
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	04-21-92	52.59
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	05-12-92	52.46
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	06-29-92	52.20
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	06-29-92	52.21
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	07-24-92	51.97
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	08-20-92	52.10
404324073342201	N 9078. 1	404324	733422	112GLCLU	1975	84.0	60	65	09-22-92	52.05
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	11-01-91	83.59
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	03-16-92	81.64
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	04-24-92	81.26
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	05-14-92	80.83
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	06-16-92	80.18
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	07-14-92	79.66
404740073285701	N 9089. 1	404719	732857	211MGTY	1975	173.0	173	178	08-20-92	79.17
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67	72	11-04-91	19.97
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67	72	04-01-92	19.17
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67	72	05-19-92	19.11
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67	72	07-14-92	18.86
404828073444501	N 9098. 1	404828	734445	112GLCLU	1976	59.0	67	72	08-25-92	18.85
405113073361301	N 9115. 1	405113	733613	211MGTY	1970	145.0	105	110	11-01-91	59.65
405113073361301	N 9115. 1	405113	733613	211MGTY	1970	145.0	105	110	03-16-92	59.26
405113073361301	N 9115. 1	405113	733613	211MGTY	1970	145.0	105	110	06-04-92	58.71
405113073361301	N 9115. 1	405113	733613	211MGTY	1970	145.0	105	110	07-22-92	58.02
405131073405802	N 9116. 1	405131	734058	112GLCLU	1976	15.0	26	31	11-04-91	8.00
405131073405802	N 9116. 1	405131	734058	112GLCLU	1976	15.0	26	31	03-16-92	7.52
405131073405802	N 9116. 1	405131	734058	112GLCLU	1976	15.0	26	31	05-28-92	7.32
405144073432902	N 9118. 1	405144	734329	112GLCLU	1976	51.0	95	100	11-04-91	3.95
405144073432902	N 9118. 1	405144	734329	112GLCLU	1976	51.0	95	100	03-16-92	3.80
405144073432902	N 9118. 1	405144	734329	112GLCLU	1976	51.0	95	100	05-28-92	3.88
405416073326701	N 9127. 1	405416	733267	112GLCLU	1976	10.0	36	41	11-06-91	3.58
405416073326701	N 9127. 1	405416	733267	112GLCLU	1976	10.0	36	41	03-18-92	2.16

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STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
405416073325701	N 9127. 1	405416	733257	112GLCLU	1976	10.0	36	41	05-29-92	2.18
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	11-06-91	24.82
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	04-16-92	24.73
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	05-19-92	24.75
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	05-29-92	24.68
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	06-15-92	24.51
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	07-15-92	24.40
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	08-27-92	24.54
405158073300101	N 9154. 1	405158	733001	112PGFG	1976	34.0	61	66	09-25-92	24.26
404633073345401	N 9168. 1	404633	733454	211MGTY	1976	165.0	212	217	10-31-91	90.98
404633073345401	N 9168. 1	404633	733454	211MGTY	1976	165.0	212	217	06-03-92	89.23
405148073320201	N 9189. 1	405148	733202	112GLCLU	1981	59.0	37	42	03-18-92	45.78
405148073320201	N 9189. 1	405148	733202	112GLCLU	1981	59.0	37	42	05-29-92	44.87
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	03-18-92	70.41
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	04-24-92	70.23
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	05-19-92	69.64
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	06-03-92	69.63
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	06-16-92	69.18
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	07-15-92	68.78
404703073370202	N 9190. 1	404703	733702	211MGTY	1977	156.0	128	133	08-21-92	68.29
404331073330801	N 9225. 1	404331	733308	112GLCLU	1980	90.0	39	44	10-22-91	55.76
404331073330801	N 9225. 1	404331	733308	112GLCLU	1980	90.0	39	44	03-16-92	54.52
404331073330801	N 9225. 1	404331	733308	112GLCLU	1980	90.0	39	44	06-29-92	53.65
404430073331001	N 9234. 1	404430	733310	211MGTY	1980	107.0	200	205	10-23-91	66.99
404430073331001	N 9234. 1	404430	733310	211MGTY	1980	107.0	200	205	03-16-92	65.37
404430073331001	N 9234. 1	404430	733310	211MGTY	1980	107.0	200	205	06-29-92	64.06
404430073331002	N 9235. 1	404430	733310	211MGTY	1980	107.0	100	105	10-23-91	67.05
404430073331002	N 9235. 1	404430	733310	211MGTY	1980	107.0	100	105	03-16-92	65.45
404430073331002	N 9235. 1	404430	733310	211MGTY	1980	107.0	100	105	06-29-92	64.26
404430073331003	N 9236. 1	404430	733310	112GLCLU	1980	107.0	45	50	10-23-91	67.04
404430073331003	N 9236. 1	404430	733310	112GLCLU	1980	107.0	45	50	03-16-92	65.46
404430073331003	N 9236. 1	404430	733310	112GLCLU	1980	107.0	45	50	06-29-92	64.33
404735073424101	N 9308. 2	404735	734240	211LLYD	1981	15.2	307	410	03-20-92	10.00
404112073421003	N 9309. 1	404112	734210	112GLCLU	1977	42.7	54	59	03-16-92	17.47
404748073385705	N 9313. 1	404748	733857	112GLCLU	1977	58.0	--	59	11-05-91	47.94
404748073385705	N 9313. 1	404748	733857	112GLCLU	1977	58.0	--	59	03-17-92	48.08
404748073385705	N 9313. 1	404748	733857	112GLCLU	1977	58.0	--	59	06-02-92	47.23
405350073345401	N 9314. 1	405350	733454	112GLCLU	1977	32.0	49	54	11-06-91	19.77
405350073345401	N 9314. 1	405350	733454	112GLCLU	1977	32.0	49	54	03-18-92	19.74
405350073345401	N 9314. 1	405350	733454	112GLCLU	1977	32.0	49	54	05-29-92	19.70
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	11-06-91	3.98
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	03-18-92	3.24
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	05-29-92	3.32
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	06-15-92	3.50
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	07-15-92	3.48
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	08-27-92	3.69
405326073302102	N 9316. 1	405326	733021	112GLCLU	1977	25.0	53	58	09-25-92	3.87
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	04-24-92	73.93
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	05-19-92	73.53
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	06-04-92	73.23
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	06-16-92	73.02

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STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	07-14-92	72.38
404928073313401	N 9317. 1	404928	733134	211MGTY	1977	218.0	189	194	08-20-92	71.64
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	11-01-91	80.45
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	03-16-92	79.57
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	04-24-92	79.43
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	05-19-92	78.89
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	06-04-92	78.84
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	06-16-92	78.64
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	07-15-92	78.30
404934073334801	N 9353. 1	404934	733348	211MGTY	1978	143.0	96	101	08-21-92	77.91
405126073421002	N 9446. 2	405127	734210	112PGQF	1982	97.0	327	367	03-17-92	6.14
404125073325006	N 9473. 1	404125	733250	112GLCLU	1990	42.0	37	42	10-21-91	28.99
404125073325006	N 9473. 1	404125	733250	112GLCLU	1990	42.0	37	42	03-26-92	29.40
404125073325006	N 9473. 1	404125	733250	112GLCLU	1990	42.0	37	42	06-29-92	28.31
403526073441301	N 9474. 1	403526	734413	112GLCLU	1990	9.0	28	33	04-03-92	2.65
404208073433401	N 9476. 1	404208	734334	112GLCLU	1978	59.0	73	78	03-16-92	21.41
404208073433401	N 9476. 1	404208	734334	112GLCLU	1978	59.0	73	78	07-21-92	20.87
404208073433401	N 9476. 1	404208	734334	112GLCLU	1978	59.0	73	78	08-25-92	21.01
404208073433401	N 9476. 1	404208	734334	112GLCLU	1978	59.0	73	78	09-17-92	20.99
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	11-06-91	5.42
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	03-18-92	5.88
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	04-16-92	5.69
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	05-19-92	5.55
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	05-29-92	6.55
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	06-15-92	5.67
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	07-15-92	5.30
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	08-27-92	5.11
405428073350302	N 9478. 1	405428	733503	112GLCLU	1978	9.0	19	24	09-25-92	5.86
404944073393603	N 9608. 2	404944	733936	112GLCLU	1983	17.0	132	151	11-05-91	14.61
404944073393603	N 9608. 2	404944	733936	112GLCLU	1983	17.0	132	151	03-17-92	14.73
404944073393603	N 9608. 2	404944	733936	112GLCLU	1983	17.0	132	151	06-02-92	14.56
404154073374003	N 9648. 1	404154	733740	112GLCLU	1979	53.0	46	51	03-16-92	30.63
404219073293402	N 9658. 1	404219	732934	112GLCLU	1988	56.0	47	52	03-17-92	37.82
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	03-17-92	51.69
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	04-24-92	51.53
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	05-14-92	51.14
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	06-16-92	51.44
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	07-14-92	50.83
404347073260702	N 9662. 1	404347	732607	112GLCLU	1981	68.8	52	57	08-20-92	51.52
404136073303801	N 9664. 1	404136	733038		1987	36.0	26	31	03-17-92	25.73
404202073354306	N 9666. 1	404202	733543	112GLCLU	1979	55.0	42	47	10-23-91	37.98
404202073354306	N 9666. 1	404202	733543	112GLCLU	1979	55.0	42	47	03-16-92	36.64
404202073354306	N 9666. 1	404202	733543	112GLCLU	1979	55.0	42	47	06-29-92	36.49
404320073305602	N 9667. 1	404320	733056	112GLCLU	1985	76.0	50	55	03-17-92	50.51
404111073353303	N 9668. 1	404111	733533	112GLCLU	1979	49.0	45	50	10-21-91	27.65
404111073353303	N 9668. 1	404111	733533	112GLCLU	1979	49.0	45	50	03-16-92	27.09
404111073353303	N 9668. 1	404111	733533	112GLCLU	1979	49.0	45	50	06-29-92	26.93
405142073375603	N 9670. 1	405142	733756	112GLCLU	1979	33.0	37	42	11-06-91	24.17
405142073375603	N 9670. 1	405142	733756	112GLCLU	1979	33.0	37	42	03-18-92	24.23
405142073375603	N 9670. 1	405142	733756	112GLCLU	1979	33.0	37	42	05-29-92	23.87

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404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	10-31-91	59.58
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	03-18-92	59.71
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	04-21-92	59.57
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	05-12-92	59.36
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	06-03-92	58.96
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	06-26-92	58.53
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	07-24-92	57.95
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	08-20-92	57.98
404707073385003	N 9711. 1	404707	733850	112GLCLU	1979	145.0	--	146	09-22-92	57.26
404846073440901	N 9776. 1	404846	734410	211LLYD	1982	30.5	268	279	04-01-92	-3.60
404846073440901	N 9776. 1	404846	734410	211LLYD	1982	30.5	268	279	05-19-92	3.50
404846073440901	N 9776. 1	404846	734410	211LLYD	1982	30.5	268	279	07-14-92	-6.75
404846073440901	N 9776. 1	404846	734410	211LLYD	1982	30.5	268	279	08-25-92	-8.25
404838073404202	N 9809. 2	404838	734042	112GLCLU	1984	120.0	438	524	03-17-92	30.18
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308	313	11-04-91	12.28
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308	313	04-01-92	13.13
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308	313	05-19-92	11.19
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308	313	07-14-92	9.22
404817073443901	N 9820. 1	404816	734450	211LLYD	1982	68.9	308	313	08-25-92	9.11
404907073435001	N 9840. 1	404907	734350	211LLYD	1982	21.4	299	309	11-04-91	-3.62
404907073435001	N 9840. 1	404907	734350	211LLYD	1982	21.4	299	309	03-16-92	1.24
404907073435001	N 9840. 1	404907	734350	211LLYD	1982	21.4	299	309	05-19-92	3.65
404907073435001	N 9840. 1	404907	734350	211LLYD	1982	21.4	299	309	08-25-92	-4.97
404902073443001	N 9908. 1	404902	734430	112PGQF	1986	17.2	163	203	11-04-91	-2.60
404902073443001	N 9908. 1	404902	734430	112PGQF	1986	17.2	163	203	03-16-92	1.46
404902073443001	N 9908. 1	404902	734430	112PGQF	1986	17.2	163	203	05-19-92	3.93
404901073443005	N 9909. 1	404901	734430	112GLCLU	1990	17.9	18	40	11-04-91	9.40
404901073443005	N 9909. 1	404901	734430	112GLCLU	1990	17.9	18	40	03-16-92	9.37
404901073443005	N 9909. 1	404901	734430	112GLCLU	1990	17.9	18	40	05-19-92	9.36
404901073443005	N 9909. 1	404901	734430	112GLCLU	1990	17.9	18	40	08-25-92	9.25
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	03-16-92	40.14
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	04-21-92	39.93
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	05-12-92	39.82
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	06-26-92	39.45
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	07-24-92	39.21
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	08-20-92	39.36
404253073395601	N 9945. 1	404253	733956	112GLCLU	1982	76.0	59	64	09-22-92	39.42
404319073432901	N 9947. 1	404319	734329	112GLCLU	1982	81.7	101	106	03-16-92	29.61
404319073432901	N 9947. 1	404319	734329	112GLCLU	1982	81.7	101	106	07-20-92	28.98
404319073432901	N 9947. 1	404319	734329	112GLCLU	1982	81.7	101	106	08-25-92	28.89
404319073432901	N 9947. 1	404319	734329	112GLCLU	1982	81.7	101	106	09-17-92	28.84
404446073372401	N 9962. 1	404446	733724	112GLCLU	1982	111.0	60	65	03-16-92	62.35
404404073363101	N 9967. 1	404404	733631	112GLCLU	1982	82.0	48	54	03-16-92	57.88
404421073262301	N 9980. 1	404421	732623	112GLCLU	1986	81.0	50	55	03-17-92	56.45
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	03-16-92	43.61
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	04-21-92	42.42
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	05-12-92	42.17
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	06-26-92	41.55
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	07-24-92	42.33
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	08-20-92	42.20
404404073420201	N 9983. 1	404404	734202	211MGTY	1982	108.0	91	96	09-22-92	42.22
403959073434301	N 10001. 1	403959	734343	112GLCLU	1990	16.0	--	--	03-16-92	7.07

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403959073434301	N 10001. 1	403959	734343	112GLCLU	1990	16.0	--	--	07-22-92	7.05
403959073434301	N 10001. 1	403959	734343	112GLCLU	1990	16.0	--	--	08-25-92	7.85
403959073434301	N 10001. 1	403959	734343	112GLCLU	1990	16.0	--	--	09-17-92	7.49
403810073381201	N 10006. 1	403810	733812	112GLCLU	1990	11.0	21	26	03-25-92	4.22
403926073333001	N 10007. 1	403926	733330		1981	12.0	--	--	10-21-91	6.85
403926073333001	N 10007. 1	403926	733330		1981	12.0	--	--	03-16-92	6.89
403926073333001	N 10007. 1	403926	733330		1981	12.0	--	--	06-29-92	6.69
403847073401101	N 10010. 1	403847	734011	112GLCLU	1990	23.0	35	40	03-25-92	6.79
403950073361403	N 10011. 1	403950	733614	112GLCLU	1981	18.5	21	26	10-21-91	12.10
403950073361403	N 10011. 1	403950	733614	112GLCLU	1981	18.5	21	26	03-16-92	12.21
403950073361403	N 10011. 1	403950	733614	112GLCLU	1981	18.5	21	26	06-29-92	12.05
404855073444801	N 10100. 1	404855	734448	112PLSC	1985	28.9	300	310	11-04-91	9.77
404855073444801	N 10100. 1	404855	734448	112PLSC	1985	28.9	300	310	03-16-92	10.44
404855073444801	N 10100. 1	404855	734448	112PLSC	1985	28.9	300	310	05-19-92	8.95
404855073444801	N 10100. 1	404855	734448	112PLSC	1985	28.9	300	310	08-25-92	7.01
404845073440901	N 10101. 1	404845	734409	211LLYD	1985	35.2	270	280	11-04-91	-4.72
404845073440901	N 10101. 1	404845	734409	211LLYD	1985	35.2	270	280	04-01-92	-3.67
404845073440901	N 10101. 1	404845	734409	211LLYD	1985	35.2	270	280	05-19-92	3.37
404845073440901	N 10101. 1	404845	734409	211LLYD	1985	35.2	270	280	08-25-92	-8.29
403518073344401	N 10134. 1	403518	733444	112GLCLU	1990	11.0	--	--	03-23-92	3.42
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	--	--	11-07-91	0.15
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	--	--	03-17-92	6.57
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	--	--	04-01-92	6.10
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	--	--	05-20-92	3.21
404821073430501	N 10192. 1	404821	734305	211LLYD	1985	24.0	--	--	08-25-92	0.03
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	11-06-91	59.40
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	03-18-92	59.65
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	04-16-92	59.77
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	05-19-92	59.31
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	05-29-92	59.10
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	06-15-92	59.12
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	07-15-92	58.57
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	08-27-92	58.71
405320073370101	N 10199. 1	405320	733630	112GLCLU	1990	70.0	46	56	09-25-92	58.39
405001073372301	N 10245. 1	405001	733723		1990	96.0	--	--	11-06-91	47.91
405001073372301	N 10245. 1	405001	733723		1990	96.0	--	--	03-18-92	47.34
405001073372301	N 10245. 1	405001	733723		1990	96.0	--	--	05-29-92	46.52
404900073373301	N 10246. 1	404900	733733		1990	159.0	--	--	11-05-91	60.16
404900073373301	N 10246. 1	404900	733733		1990	159.0	--	--	03-17-92	59.75
404900073373301	N 10246. 1	404900	733733		1990	159.0	--	--	06-02-92	59.08
404539073400407	N 10291. 1	404539	734004	211MGTY	1991	124.8	--	--	10-31-91	50.07
404539073400407	N 10291. 1	404539	734004	211MGTY	1991	124.8	--	--	03-18-92	49.57
404539073400407	N 10291. 1	404539	734004	211MGTY	1991	124.8	--	--	06-03-92	48.93
403738073375001	N 10425. 1	403738	733750	211MGTY	1987	6.0	702	707	04-03-92	4.35
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	11-01-91	86.81
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	03-16-92	83.83
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	04-23-92	84.31
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	05-14-92	83.94
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	06-04-92	83.46
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	06-16-92	83.24
404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	07-14-92	82.81

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404813073310301	N 10605. 1	404813	733103		1990	188.0	--	--	08-20-92	82.26
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	11-01-91	68.77
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	03-16-92	68.01
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	04-24-92	67.74
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	05-14-92	67.39
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	06-04-92	67.22
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	06-16-92	67.07
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	07-14-92	66.92
405057073325102	N 10606. 1	405057	733251	112GLCLU	1990	130.0	--	--	08-20-92	66.46
404842073291401	N 10609. 1	404842	732914		1990	239.0	--	--	11-01-91	80.23
404842073291401	N 10609. 1	404842	732914		1990	239.0	--	--	03-16-92	78.40
404842073291401	N 10609. 1	404842	732914		1990	239.0	--	--	06-04-92	77.42
403611073450901	N 10620. 1	403611	734509	211LLYD	1987	4.0	1,140	1,150	03-25-92	5.81
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	03-25-92	5.30
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	05-21-92	3.56
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	06-22-92	3.20
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	07-30-92	1.28
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	08-19-92	1.88
403505073401301	N 11002. 1	403505	734013	211LLYD	1987	11.0	1,240	1,250	09-15-92	1.26
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	03-25-92	-5.07
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	05-21-92	-4.87
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	06-22-92	-4.72
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	07-30-92	-4.36
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	08-19-92	-4.29
403503073402401	N 11109. 1	403505	734013	211MGTY	1987	11.0	785	790	09-15-92	-4.40
404202073401801	N 11168. 1	404202	734018	211MGTY	1992	49.5	500	520	03-16-92	28.19
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	11-01-91	24.69
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	03-16-92	26.76
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	04-24-92	26.24
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	05-19-92	24.65
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	06-04-92	23.20
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	06-16-92	20.11
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	07-14-92	21.47
405122073360601	N 11279. 1	405122	733606	211LLYD	1991	131.0	475	495	08-20-92	22.65
405035073324801	N 11280. 1	405035	733248	112LLYD	1990	187.0	625	645	06-04-92	62.01
405035073324801	N 11280. 1	405035	733248	112LLYD	1990	187.0	625	645	07-22-92	61.01
405035073324601	N 11281. 1	405035	733246	112PGQF	1990	187.0	498	518	06-04-92	62.12
405035073324601	N 11281. 1	405035	733246	112PGQF	1990	187.0	498	518	07-22-92	61.09
405005073353401	N 11304. 1	405005	733534	211MGTY	1992	143.0	348	368	06-05-92	70.62
405005073353401	N 11304. 1	405005	733534	211MGTY	1992	143.0	348	368	07-22-92	70.03
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	03-16-92	51.55
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	04-21-92	17.96
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	05-12-92	17.51
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	06-29-92	16.15
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	07-24-92	14.90
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	08-20-92	15.21
404327073341701	N 11396. 1	404327	733417	211MGTY	1990	83.0	560	580	09-22-92	50.40
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	03-16-92	52.48
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	04-21-92	52.41
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	05-12-92	52.26
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	06-29-92	51.59
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	07-24-92	51.41
404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	08-20-92	51.59

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404328073341601	N 11397. 1	404328	733416	211MGTY	1990	83.0	260	280	09-22-92	51.53
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	03-16-92	43.68
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	04-23-92	43.75
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	05-14-92	43.48
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	06-04-92	43.12
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	06-16-92	44.37
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	07-14-92	44.00
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	07-22-92	43.67
404818073293001	N 11453. 1	404818	732930	112PGQF	1991	207.5	840	860	08-20-92	44.13
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	11-01-91	82.03
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	03-16-92	80.07
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	04-23-92	79.79
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	05-14-92	79.31
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	06-04-92	78.78
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	06-16-92	78.49
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	07-14-92	77.99
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	07-22-92	77.78
404818073293101	N 11454. 1	404818	732931	211MGTY	1991	207.5	570	590	08-20-92	77.61
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	03-18-92	28.19
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	04-23-92	27.93
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	05-14-92	27.41
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	06-16-92	25.94
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	07-14-92	25.08
404622073330701	N 11457. 1	404622	733307	211LLYD	1991	153.0	840	860	08-20-92	25.08
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	03-16-92	18.58
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	04-21-92	51.76
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	05-12-92	51.56
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	06-29-92	50.51
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	07-24-92	50.38
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	08-20-92	50.57
443260733418 01	N 11570. 1	404326	733418	211LLYD	1990	83.5	850	870	09-22-92	15.24
403732073443402	N 11573. 1	403731	734441	211LLYD	1991	8.0	775	795	03-25-92	6.94
403732073443402	N 11573. 1	403731	734441	211LLYD	1991	8.0	775	795	07-22-92	4.32
403732073443402	N 11573. 1	403731	734441	211LLYD	1991	8.0	775	795	09-17-92	4.54
404012073314101	N 11576. 1	404012	733141	211LLYD	1992	15.0	930	950	03-30-92	15.49
404324073414401	N 11577. 1	404324	734144	211LLYD	1991	45.5	700	720	03-26-92	17.01
404012073314102	N 11579. 1	404012	733141	211MGTY	1992	15.5	670	690	03-30-92	13.88
404323073414401	N 11580. 1	404323	734144	211MGTY	1991	44.5	430	450	03-26-92	8.90
403732073443403	N 11634. 1	403733	734443	211MGTY	1991	8.5	535	555	03-25-92	-3.26
403732073443403	N 11634. 1	403733	734443	211MGTY	1991	8.5	535	555	07-22-92	-4.08
403732073443403	N 11634. 1	403733	734443	211MGTY	1991	8.5	535	555	09-17-92	-3.39
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	03-18-92	49.38
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	04-21-92	49.06
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	05-12-92	48.73
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	06-03-92	46.48
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	06-26-92	46.25
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	07-24-92	46.00
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	08-20-92	46.37
404511073402501	N 11659. 1	404511	734025	211MGTY	1992	104.0	502	522	09-22-92	45.76
405004073353401	N 11798. 1	405004	733534	211LLYD	1992	143.0	620	640	06-04-92	30.76
405004073353401	N 11798. 1	405004	733534	211LLYD	1992	143.0	620	640	07-22-92	28.62

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404550073500802	Q 34. 2	404553	735008	211LLYD	1946	36.0	--	--	07-28-92	7.95
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	03-18-92	12.81
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	06-18-92	12.17
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	06-23-92	11.92
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	07-16-92	11.72
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	08-24-92	11.60
404257073493701	Q 273. 1	404257	734937	211LLYD	1952	26.0	308	438	09-21-92	12.21
404141073471702	Q 562. 2	404140	734716	211LLYD	1946	29.0	499	589	03-23-92	7.77
404253073481302	Q 567. 2	404254	734810	211LLYD	1946	130.0	538	618	03-23-92	8.38
404113073501102	Q 1254. 1	404113	735011	112GLCLU	1940	56.0	63	65	03-17-92	11.63
404113073501102	Q 1254. 1	404113	735011	112GLCLU	1940	56.0	63	65	07-28-92	11.05
404116073505901	Q 1255. 1	404116	735059	112GLCLU	1911	40.0	--	--	03-17-92	22.48
404547073524401	Q 1326. 1	404547	735244	112GLCLU	1950	27.0	--	--	03-18-92	16.55
404224073450301	Q 2300. 1	404224	734503	211MGTY	1983	63.7	240	275	03-23-92	14.49
404504073501801	Q 2418. 1	404504	735018	112GLCLU	1967	6.4	48	60	06-19-92	1.05
404135073440102	Q 2443. 1	404135	734402	211MGTY	1984	55.6	320	360	03-23-92	15.16
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	03-18-92	13.95
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	06-18-92	13.88
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	07-16-92	13.75
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	08-24-92	13.77
404511073485201	Q 2814. 1	404511	734852	112GLCLU	1982	45.0	70	79	09-21-92	13.66
404040073445001	Q 2955. 1	404040	734450	211MGTY	1967	25.0	405	445	03-23-92	9.59
403940073443601	Q 2994. 1	403940	734436	112GLCLU	1968	10.0	10	66	03-18-92	4.59
403940073443601	Q 2994. 1	403940	734436	112GLCLU	1968	10.0	10	66	06-17-92	4.50
403940073443601	Q 2994. 1	403940	734436	112GLCLU	1968	10.0	10	66	09-17-92	4.63
403940073443501	Q 2995. 1	403940	734435	112GLCLU	1968	10.0	10	83	03-18-92	4.67
403940073443501	Q 2995. 1	403940	734435	112GLCLU	1968	10.0	10	83	06-17-92	4.57
403940073443501	Q 2995. 1	403940	734435	112GLCLU	1968	10.0	10	83	09-17-92	4.70
404202073491704	Q 3069. 2	404202	734917	211LLYD	1977	65.0	510	550	03-23-92	8.22
403845073475701	Q 3110. 1	403845	734757	112JMCO	1981	10.0	306	326	03-18-92	4.46
403845073475701	Q 3110. 1	403845	734757	112JMCO	1981	10.0	306	326	06-16-92	4.37
403845073475701	Q 3110. 1	403845	734757	112JMCO	1981	10.0	306	326	09-17-92	3.80
403939073472801	Q 3112. 1	403939	734728	112JMCO	1981	11.3	290	300	03-18-92	3.96
403939073472801	Q 3112. 1	403939	734728	112JMCO	1981	11.3	290	300	06-16-92	4.40
403939073472801	Q 3112. 1	403939	734728	112JMCO	1981	11.3	290	300	09-17-92	4.42
403845073475702	Q 3115. 1	403845	734757	112GLCLU	1981	10.0	25	28	03-18-92	3.02
403845073475702	Q 3115. 1	403845	734757	112GLCLU	1981	10.0	25	28	06-16-92	3.57
403845073475702	Q 3115. 1	403845	734757	112GLCLU	1981	10.0	25	28	09-17-92	3.62
403939073472802	Q 3117. 1	403939	734728	112GLCLU	1981	11.0	11	23	03-18-92	3.90
403939073472802	Q 3117. 1	403939	734728	112GLCLU	1981	11.0	11	23	06-16-92	4.42
403939073472802	Q 3117. 1	403939	734728	112GLCLU	1981	11.0	11	23	09-17-92	4.59
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	03-18-92	19.02
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	06-18-92	19.09
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	07-16-92	19.13
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	08-24-92	18.97
404654073465901	Q 3119. 1	404654	734659	112GLCLU	1980	38.0	37	40	09-21-92	18.83

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403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	10-16-91	3.04
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	11-14-91	3.05
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	12-17-91	2.02
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	01-22-92	2.99
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	02-20-92	2.98
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	03-20-92	2.97
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	04-15-92	2.97
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	05-12-92	2.95
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	07-15-92	3.77
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	08-25-92	6.12
403949073495701	Q 3150. 1	403949	734957	112JMCO	1983	12.0	--	--	09-17-92	3.30
404226073303201	Q 3163. 1	404226	734533	112GLCLU	1984	50.0	61	66	03-17-92	14.44
404226073303201	Q 3163. 1	404226	734533	112GLCLU	1984	50.0	61	66	08-06-92	13.08
404226073303201	Q 3163. 1	404226	734533	112GLCLU	1984	50.0	61	66	08-24-92	13.09
404226073303201	Q 3163. 1	404226	734533	112GLCLU	1984	50.0	61	66	09-18-92	13.09

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405410073281401	S 9. 1	405418	732816	211LLYD	1955	128.1	505	565	04-23-92	15.29
404659073141801	S 1815. 3	404659	731418	112GLCLU	1984	72.5	50	54	03-17-92	47.64
405109072513001	S 2485. 1	405109	725130	112GLCLU	1948	69.0	65	75	03-18-92	35.40
404509073152301	S 3516. 1	404509	731523	112GLCLU	1942	60.0	--	--	03-17-92	37.52
404918072560301	S 3530. 1	404918	725603	112GLCLU	1907	65.6	--	--	03-16-92	32.67
405121072415601	S 3539. 1	405121	724156	112GLCLU	1942	79.0	--	--	04-07-92	23.73
405010072580901	S 3871. 1	405010	725809	112GLCLU	1958	128.2	--	--	03-16-92	48.80
405507072244402	S 8831. 2	405511	722445	112GLCLU	1976	20.0	--	--	03-16-92	7.10
405307072323503	S 8835. 2	405307	723235	112GLCLU	1981	30.5	--	--	04-07-92	7.98
404915072531801	S 9129. 1	404914	725317	112GLCLU	1982	34.0	--	--	03-16-92	13.99
404831072530501	S 9130. 1	404829	725305	112GLCLU	1952	26.0	25	28	03-16-92	10.14
404446073191801	S 9646. 1	404446	731918	112GLCLU	1958	51.0	--	--	03-16-92	40.12
404049073241201	S 10075. 1	404049	732412	112GLCLU	1958	25.0	33	43	03-16-92	13.07
404128073220201	S 10142. 1	404128	732202		1958	16.8	--	--	03-16-92	12.30
404225073234201	S 10314. 1	404225	732342	112GLCLU	1958	48.0	--	--	03-16-92	30.87
404115073225901	S 10342. 1	404115	732259	112GLCLU	1958	25.0	--	--	03-16-92	16.25
404347073195501	S 10370. 1	404347	731955		1958	38.0	--	--	03-16-92	26.57
404433073212701	S 11204. 1	404433	732127		1958	53.0	--	--	03-16-92	42.53
404540073211001	S 11240. 1	404540	732110	112GLCLU	1958	61.0	--	--	03-16-92	53.57
404527073220901	S 12035. 1	404527	732209	112GLCLU	1958	70.0	--	--	03-16-92	55.87
404423073222601	S 12069. 1	404423	732226		1958	65.0	--	--	03-16-92	44.88
404527073191501	S 14119. 1	404527	731915	112GLCLU	1958	70.0	--	--	03-16-92	53.67
404425073200701	S 14471. 1	404425	732007	112GLCLU	1958	44.0	--	--	03-16-92	37.27
410034072094701	S 15048. 1	410035	720948	112GLCLU	1974	20.0	31	46	03-17-92	6.01
405308073175101	S 15514. 1	405308	731751	211MGTY	1984	200.0	533	593	04-01-92	37.93
410008072015901	S 16118. 1	410008	720159	112GLCLU	1974	4.8	31	46	03-17-92	2.42
404200073252701	S 16480. 1	404200	732527	112GLCLU	1958	39.0	35	45	03-16-92	29.18
405843072352902	S 16756. 2	405843	723529	112GLCLU	1975	61.0	59	62	03-18-92	6.87
410356072260301	S 16780. 1	410356	722603	112GLCLU	1958	43.0	47	50	03-18-92	3.05
405355073174801	S 16883. 1	405355	731748	112GLCLU	1958	56.8	--	--	03-16-92	28.14
405446073180701	S 16884. 1	405446	731807	112GLCLU	1958	34.0	40	43	03-16-92	18.95
405040073175801	S 19057. 1	405040	731758	211MGTY	1970	150.0	604	676	03-24-92	59.90

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404839073232801	S 20601. 1	404840	732327	211MGTY	1976	157.5	402	467	03-24-92	78.19
405159073085501	S 21945. 1	405200	730856	211MGTY	1970	123.0	664	726	04-07-92	42.46
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	10-22-91	42.68
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	11-20-91	42.30
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	12-16-91	42.30
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	01-31-92	42.09
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	02-27-92	41.91
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	03-17-92	42.00
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	04-21-92	41.91
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	05-22-92	41.47
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	06-25-92	41.85
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	07-17-92	41.42
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	08-27-92	41.61
404902073094003	S 22579. 1	404902	730940	112GLCLU	1964	60.0	200	210	09-24-92	41.61
404828073114002	S 22580. 1	404828	731140	211MGTY	1964	123.0	792	802	03-17-92	39.32
404828073114003	S 22581. 1	404828	731140	211MGTY	1964	123.2	440	450	03-17-92	40.62
404828073114004	S 22582. 1	404828	731140	112GLCLU	1964	123.7	105	115	03-17-92	41.36
404902073094004	S 23133. 1	404902	730940	112GLCLU	1964	60.3	26	29	03-17-92	42.03
405047073120601	S 23631. 1	405047	731207	211MGTY	1977	40.0	494	595	04-07-92	31.61
405050073214501	S 23997. 1	405044	732147	211MGTY	1970	200.0	540	621	03-24-92	69.36
405140073222101	S 23998. 1	405140	732221	211MGTY	1970	220.0	525	597	03-24-92	62.12
404818073135904	S 24773. 1	404813	731356	211MGTY	1966	118.4	412	422	03-17-92	46.65
405716072505701	S 26780. 1	405716	725057	112GLCLU	1970	21.7	--	--	03-18-92	19.20
404603073214803	S 27739. 1	404603	732148	211MGTY	1966	139.9	840	850	03-16-92	59.47
404603073214804	S 27740. 1	404603	732148	211MGTY	1966	140.5	419	429	04-07-92	60.01
404603073214806	S 28449. 1	404603	732148	112GLCLU	1967	140.0	--	--	03-16-92	61.99
404120073221601	S 29491. 1	404121	732246	211MGTY	1978	25.0	390	493	04-03-92	14.86
404703073264201	S 29776. 1	404710	732640	211MGTY	1967	193.0	710	720	03-16-92	79.68
404703073264202	S 29777. 1	404710	732640	211MGTY	1967	193.0	387	397	03-16-92	79.79
404703073264205	S 29778. 1	404710	732640	211MGTY	1967	193.0	158	168	03-16-92	80.67
405124072353701	S 30230. 1	405124	723537	211MGTY	1970	45.0	805	825	04-07-92	11.35
404515073225501	S 30506. 1	404520	732244	211MGTY	1969	75.0	546	618	04-01-92	57.20
405411072232901	S 31037. 1	405411	722329	211MGTY	1980	36.0	--	287	04-09-92	8.21
405838072114201	S 31653. 1	405837	721137	211MGTY	1974	68.0	420	460	04-14-92	9.74
404046073252101	S 32501. 1	404047	732521	211MGTY	1972	26.0	560	630	04-01-92	14.28
405132073155901	S 33006. 1	405143	731554	211MGTY	1975	147.0	436	503	04-16-92	46.91
405336073073601	S 33500. 1	405340	730735	211MGTY	1970	148.0	485	548	04-07-92	44.60
404908072473003	S 33919. 1	404908	724730	112GLCLU	1970	64.0	--	--	03-16-92	19.05

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405512073010502	S 34007. 1	405512	730105	211MGTY	1984	142.0	270	345	04-09-92	45.66
405246073142801	S 34460. 1	405250	731429	211MGTY	1970	153.0	531	596	04-03-92	34.74
405143073105801	S 34733. 1	405144	731057	211MGTY	1984	126.0	350	421	04-16-92	26.54
404918073253201	S 35007. 1	404918	732532	211MGTY	1970	232.0	575	660	03-24-92	62.49
405505072432201	S 36013. 1	405505	724322	112GLCLU	1970	47.0	--	--	03-18-92	20.98
404600073193201	S 36139. 1	404600	731932	112GLCLU	1970	76.0	--	--	11-13-91	61.06
404600073193201	S 36139. 1	404600	731932	112GLCLU	1970	76.0	--	--	03-16-92	59.47
404931073140601	S 36140. 1	404931	731406	112GLCLU	1969	48.0	--	--	03-16-92	41.28
404656073081401	S 36143. 1	404656	730814	112GLCLU	1969	72.0	59	62	03-17-92	32.38
404707073023401	S 36145. 1	404707	730234	112GLCLU	1969	44.6	30	43	03-17-92	31.48
405551072501601	S 36146. 1	405551	725016	112GLCLU	1969	100.0	--	--	03-18-92	35.39
405259072465601	S 36147. 1	405259	724656	112GLCLU	1970	47.8	--	--	03-16-92	34.91
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	10-23-91	54.78
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	11-26-91	60.48
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	12-30-91	54.06
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	01-30-92	48.25
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	02-20-92	44.35
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	04-23-92	37.84
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	05-21-92	36.08
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	06-16-92	46.09
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	07-22-92	41.43
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	08-26-92	44.89
405542072462901	S 36149. 1	405542	724629	112GLCLU	1969	83.5	--	--	09-17-92	43.11
405117072490301	S 36150. 1	405117	724903	112GLCLU	1951	50.0	--	--	03-31-92	33.06
405010072443501	S 36152. 2	405014	724438		1975	65.0	62	66	03-16-92	20.14
405715072413201	S 36153. 1	405715	724132	112GLCLU	1969	75.2	--	--	03-18-92	14.21
404627073070901	S 36460. 1	404637	731635	211MGTY	1976	76.0	--	611	04-01-92	40.53
404717072595603	S 37494. 1	404717	725958	211MGTY	1976	60.0	--	313	04-09-92	25.73
404236073225001	S 37681. 1	404232	732256	211MGTY	1976	42.0	--	574	04-01-92	27.68
404406073193401	S 37861. 1	404402	731929	211MGTY	1978	41.8	--	636	04-03-92	31.06
410400072195301	S 38461. 1	410400	721953	112GLCLU	1970	12.0	--	--	03-17-92	4.94
404921073122703	S 38491. 1	404920	731225	211MGTY	1984	61.0	320	383	04-01-92	38.95
405256073045602	S 38784. 1	405256	730456	211MGTY	1984	100.9	528	600	04-07-92	56.53
405924072321501	S 39269. 1	405924	723215		1983	13.6	--	--	03-18-92	2.89
405206073153002	S 40842. 2	405206	731530		1975	91.6	60	63	03-16-92	48.27
405510073063401	S 40849. 1	405510	730634	112GLCLU	1971	80.5	--	--	03-16-92	42.68
405555073060101	S 40850. 1	405555	730601		1971	80.7	--	--	03-16-92	27.35
405646072564301	S 40852. 1	405656	725643	112GLCLU	1971	114.6	95	97	03-17-92	31.97

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405610072562501	S 40853. 2	405610	725625	112GLCLU	1985	100.2	74	78	03-17-92	39.29
405223073021301	S 41050. 1	405222	730213	112GLCLU	1972	89.4	67	69	03-17-92	69.04
405119073123702	S 42473. 1	405119	731238	211MGTY	1977	76.0	574	645	04-03-92	29.97
405357073194802	S 42681. 2	405354	731948	112GLCLU	1983	83.5	75	80	03-16-92	32.17
405016073200101	S 42682. 1	405016	732001	112GLCLU	1972	159.2	--	--	03-16-92	76.92
405335073073201	S 42683. 1	405335	730732	112GLCLU	1972	145.7	--	--	03-16-92	57.95
404756073025501	S 42761. 1	404753	730249	211MGTY	1984	75.0	166	333	04-14-92	38.95
404305073161401	S 42762. 1	404305	731615	211MGTY	1976	26.0	650	710	04-01-92	18.39
404511073112301	S 42827. 1	404513	731124	211MGTY	1976	35.0	598	660	04-01-92	22.72
404820073073402	S 43641. 1	404820	730734	211MGTY	1984	99.9	--	706	04-03-92	43.56
404124073241601	S 43809. 1	404124	732416	112GLCLU	1974	34.0	24	34	03-16-92	19.66
404124073241602	S 43810. 1	404124	732416	112GLCLU	1974	33.8	61	71	03-16-92	19.75
404503073010801	S 44466. 1	404503	730108	112GLCLU	1974	4.8	15	20	03-17-92	1.03
404945073174501	S 45210. 1	404945	731745	112GLCLU	1974	130.2	97	107	03-16-92	67.64
404508073080902	S 45636. 1	404508	730809	112GLCLU	1974	14.1	17	27	03-17-92	8.97
404804073204401	S 45638. 1	404804	732044	211MGTY	1976	163.6	658	720	03-24-92	72.93
404503073131201	S 45839. 1	404502	731315	211MGTY	1976	40.0	650	722	04-03-92	25.64
405231073250500	S 46281. 1	405231	732505	112GLCLU	1974	34.0	38	50	03-16-92	19.91
405913072064600	S 46518. 1	405914	720645	112GLCLU	1972	27.5	--	--	03-17-92	5.22
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	10-23-91	2.54
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	11-20-91	2.79
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	12-27-91	2.76
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	01-31-92	3.00
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	02-21-92	3.14
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	03-17-92	2.95
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	04-24-92	2.93
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	05-14-92	2.95
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	06-30-92	2.76
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	07-21-92	2.70
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	08-24-92	2.73
410218072093301	S 46519. 1	410208	720932	112GLCLU	1972	32.5	30	33	09-24-92	2.49
410123072130304	S 46521. 2	410123	721303	112GLCLU	1981	85.0	82	85	03-17-92	5.19
405915072121501	S 46522. 1	405915	721215	112GLCLU	1972	91.2	--	--	03-17-92	9.90
405828072115101	S 46523. 1	405828	721150	112GLCLU	1972	64.5	94	97	03-17-92	10.22
405906072153501	S 46524. 1	405907	721534	112GLCLU	1972	15.7	--	--	03-16-92	9.89
405741072144800	S 46525. 1	405741	721448	112GLCLU	1972	41.5	--	--	03-16-92	11.34
405843072180801	S 46526. 1	405843	721808	112GLCLU	1972	56.5	--	--	03-16-92	18.19
405746072175901	S 46527. 1	405747	721800	112GLCLU	1972	75.0	--	--	03-16-92	21.81

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405842072211401	S 46528. 1	405843	722115	112GLCLU	1972	125.5	99	102	04-08-92	38.44
405602072221802	S 46529. 2	405602	722248	112GLCLU	1983	70.0	77	81	04-08-92	15.46
405418072233800	S 46530. 1	405418	722338	112GLCLU	1972	36.8	38	42	03-16-92	8.72
405332072262201	S 46531. 1	405332	722622	112GLCLU	1972	36.4	--	--	03-16-92	4.35
405147072305001	S 46532. 1	405147	723050	112GLCLU	1972	24.0	--	--	03-16-92	3.45
405302072313501	S 46533. 1	405302	723135	112GLCLU	1972	84.7	--	--	03-16-92	6.01
405230072341901	S 46534. 1	405230	723419	112GLCLU	1973	82.0	81	84	03-16-92	10.65
405144072333701	S 46535. 1	405144	723337	112GLCLU	1972	44.5	--	49	03-16-92	7.06
405324072352101	S 46536. 1	405324	723521	112GLCLU	1976	24.7	--	--	03-16-92	11.27
405130072353101	S 46537. 1	405130	723531	112GLCLU	1972	56.2	--	--	03-16-92	11.35
405348072370401	S 46538. 1	405340	723709	112GLCLU	1972	61.3	--	--	03-16-92	24.44
405222072370701	S 46539. 1	405222	723707	112GLCLU	1972	100.0	--	--	03-16-92	15.66
405020072355801	S 46540. 1	405020	723558	112GLCLU	1972	37.8	--	--	03-16-92	8.27
405353072403801	S 46541. 1	405342	724057	112GLCLU	1972	27.3	--	--	03-16-92	17.06
405301072415101	S 46542. 1	405301	724151	112GLCLU	1972	163.0	--	--	03-16-92	25.66
405131072455701	S 46546. 1	405131	724557	112GLCLU	1972	127.0	--	--	03-16-92	29.28
405716072591701	S 46548. 1	405715	725916	112GLCLU	1972	71.0	80	84	03-17-92	10.13
405620073022001	S 46549. 1	405624	730221	112GLCLU	1972	97.0	97	101	03-16-92	25.44
404804072484101	S 46713. 1	404804	724841	211MGTY	1977	20.0	385	440	04-09-92	12.20
404606073174601	S 46830. 1	404606	731746	211MGTY	1976	76.0	550	651	04-03-92	47.77
405230073164400	S 46965. 1	405230	731644	112GLCLU	1974	166.0	138	148	03-16-92	47.92
405407073001101	S 47310. 1	405407	730011	211MGTY	1976	135.0	623	693	04-14-92	52.95
404804073051300	S 47453. 1	404804	730513	211MGTY	1975	100.0	380	440	04-07-92	44.72
405111073065801	S 47675. 1	405111	730658	112GLCLU	1974	119.5	78	88	03-17-92	58.75
404607072594701	S 47752. 1	404607	725947	112GLCLU	1974	24.0	88	98	03-17-92	7.46
404423073084101	S 49396. 1	404423	730841	112GLCLU	1973	6.3	8	13	03-17-92	2.32
405335072562903	S 49606. 1	405337	725629	211MGTY	1983	75.0	307	367	04-14-92	48.31
405120073085101	S 50500. 1	405120	730851	112GLCLU	1974	118.0	81	85	03-17-92	70.65
405059073085601	S 50501. 1	405059	730856	112GLCLU	1974	73.6	60	64	03-17-92	70.86
404937073063901	S 50502. 1	404937	730639	112GLCLU	1973	84.6	--	--	03-17-92	53.98
405010073103101	S 50505. 1	405010	731031	112GLCLU	1973	50.0	6	10	03-17-92	46.62
405231073123501	S 50506. 1	405231	731235	112GLCLU	1973	79.0	66	70	03-16-92	46.39
405146073141001	S 50512. 1	405146	731410	112GLCLU	1973	84.5	--	--	03-16-92	39.48

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405100073152601	S 50513. 1	405100	731526	112GLCLU	1974	93.0	57	61	03-16-92	48.80
404355073225901	S 51018. 1	404355	732259	112GLCLU	1977	61.0	102	107	03-16-92	41.65
405808072385401	S 51568. 1	405808	723854	112GLCLU	1974	56.0	58	68	03-18-92	7.96
405544072411801	S 51575. 1	405544	724118	112GLCLU	1974	27.0	22	32	03-18-92	17.26
405630072442001	S 51577. 1	405630	724420	112GLCLU	1974	80.0	83	93	03-18-92	18.88
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	10-22-91	30.27
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	11-26-91	29.92
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	12-30-91	29.50
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	01-30-92	29.23
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	02-20-92	29.05
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	03-18-92	28.86
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	04-23-92	28.67
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	05-21-92	28.44
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	06-16-92	28.45
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	07-22-92	28.33
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	08-26-92	28.42
405542072463001	S 51579. 1	405542	724630	112GLCLU	1974	78.0	75	85	09-17-92	28.43
405722072342001	S 51581. 1	405722	723420	112GLCLU	1974	32.0	32	42	03-18-92	6.68
404225073193001	S 51673. 1	404225	731930	211MGTY	1976	22.0	669	760	04-16-92	18.83
410516072200901	S 52084. 1	410516	722009	112GLCLU	1974	28.4	62	72	03-17-92	2.32
404357072515701	S 52162. 1	404357	725157	211LLYD	1976	18.0	1,670	1,690	04-03-92	21.15
404357072515702	S 52163. 1	404357	725157	211MGTY	1974	17.0	1,279	1,300	04-03-92	15.29
404357072515703	S 52164. 1	404357	725157	211MGTY	1974	17.0	709	730	04-03-92	14.21
405354073021202	S 52490. 1	405355	730212	211MGTY	1978	137.0	480	554	04-09-92	52.38
404944072380901	S 52551. 1	404944	723809	112GLCLU	1974	27.8	20	25	03-16-92	8.92
404948072372601	S 52554. 1	404948	723726	112GLCLU	1974	18.4	--	--	03-16-92	5.91
410753072205501	S 53331. 1	410747	722053	112GLCLU	1975	47.0	58	68	03-18-92	2.27
405032073162802	S 53360. 1	405034	731618	211MGTY	1984	141.0	551	667	04-07-92	51.69
404950073085002	S 53498. 1	404948	730847	211MGTY	1977	90.0	663	718	04-01-92	44.96
405230072430002	S 53851. 1	405230	724300	211MGTY	1983	167.0	244	294	04-09-92	26.20
404759073122501	S 54308. 1	404759	731225	211MGTY	1984	109.0	722	792	04-03-92	39.13
405123072533701	S 54883. 1	405049	725310	112GLCLU	1975	79.9	--	--	03-18-92	33.70
405706072345601	S 54885. 1	405706	723456	112GLCLU	1975	11.1	16	20	03-18-92	6.91
405502072254701	S 57367. 1	405502	722616	112GLCLU	1975	32.5	75	79	03-16-92	5.09
405824072220601	S 57368. 1	405825	722205	112GLCLU	1976	74.0	87	91	03-16-92	28.29
405900072192901	S 57369. 1	405855	721926	112GLCLU	1975	76.0	93	97	03-16-92	13.60
405852072192401	S 57370. 1	405854	721927	112GLCLU	1976	88.0	96	100	03-16-92	18.76
404722073093402	S 57459. 1	404722	730934		1976	47.2	--	--	03-17-92	31.78

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404616073093402	S 57481. 1	404616	730934		1976	18.6	--	--	03-17-92	16.78
405123073125101	S 57484. 1	405123	731251	112GLCLU	1975	15.5	15	19	03-16-92	11.12
405048073122801	S 57488. 1	405048	731228	112GLCLU	1975	30.0	--	--	03-16-92	27.86
405514073050103	S 57980. 1	405514	730501	211MGTY	1977	187.0	630	700	04-07-92	40.30
410356071544201	S 58922. 1	410355	715444	112GLCLU	1976	47.8	51	56	03-18-92	1.90
410404071565901	S 58923. 1	410401	715701	112GLCLU	1976	57.3	65	70	03-18-92	8.56
410401071570202	S 58923. 2	410401	715701	112GLCLU	1976	57.6	87	92	03-18-92	3.00
405933072093401	S 58924. 1	405934	720932	112GLCLU	1976	110.3	132	137	03-17-92	8.38
405950072124501	S 58925. 1	405952	721245	112GLCLU	1976	72.0	85	90	03-17-92	9.45
405607072225801	S 58957. 1	405606	722308	112GLCLU	1976	188.8	196	201	03-16-92	12.50
405737072215801	S 58958. 1	405738	722159	112GLCLU	1976	190.0	203	208	04-08-92	27.14
405816072162801	S 58959. 1	405808	722035	112GLCLU	1976	187.5	195	200	03-16-92	16.77
405827072190501	S 58960. 1	405827	721905	112GLCLU	1976	134.2	150	155	03-16-92	23.15
405615072182301	S 59793. 1	405616	721823	211MGTY	1984	34.0	512	522	03-16-92	11.13
404524073044801	S 60812. 1	404524	730448	211MGTY	1984	38.0	404	484	04-07-92	25.18
405616072182301	S 62393. 1	405616	721823	112GLCLU	1984	34.0	30	34	03-16-92	13.95
410111072010101	S 62397. 1	410111	720101	112GLCLU	1980	57.2	61	65	03-17-92	3.61
405033072560001	S 62404. 1	405033	725600	112GLCLU	1977	55.0	41	45	03-17-92	34.73
405700073080301	S 62406. 1	405700	730803	112GLCLU	1977	42.0	41	45	03-16-92	3.01
405604073080001	S 62407. 1	405604	730800	112GLCLU	1977	40.0	41	45	03-16-92	13.16
404415073114001	S 63618. 1	404416	731137	211MGTY	1984	20.0	490	550	04-07-92	19.25
404426073181201	S 63747. 1	404426	731812		1990	50.0	--	--	03-16-92	35.94
404356073105501	S 63830. 1	404356	731055		1978	17.7	--	--	03-17-92	12.25
404303073112801	S 63832. 1	404303	731128		1978	7.3	--	--	03-17-92	4.72
404345073124001	S 63835. 1	404345	731240		1978	13.5	--	--	03-17-92	7.82
404331073141701	S 63841. 1	404331	731417		1978	12.1	--	--	03-17-92	5.68
404420073151401	S 63851. 1	404420	731514		1978	35.0	--	--	03-17-92	25.85
404210073182501	S 64192. 1	404210	731825		1978	17.6	--	--	03-16-92	9.50
404116073204201	S 64209. 1	404116	732042		1978	10.0	--	--	03-16-92	5.51
404116073204301	S 64210. 1	404116	732043		1978	10.0	--	--	03-16-92	5.54
404659073202001	S 64313. 1	404659	732020	112GLCLU	1979	89.4	25	30	03-16-92	71.37
404746073221901	S 64316. 1	404746	732219	112GLCLU	1979	160.1	58	63	03-17-92	111.02
404436073135601	S 64525. 1	404436	731356		1978	26.0	--	--	03-16-92	20.97

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404217073215601	S 64853. 1	404217	732156		1990	33.2	--	--	03-16-92	22.78
404713072575701	S 65603. 1	404718	725749	112GLCLU	1978	54.0	65	70	03-16-92	25.18
410104072303001	S 65605. 1	410104	723030		1978	41.0	41	44	03-18-92	5.27
405003073155201	S 65607. 1	405003	731552	112GLCLU	1978	138.0	97	102	03-16-92	53.56
405200073082101	S 65608. 1	405200	730821		1978	105.0	67	72	03-17-92	66.26
404944073104001	S 65609. 1	404944	731040		1978	52.7	10	15	03-17-92	47.50
405351072535101	S 65855. 1	405351	725351	112GLCLU	1978	77.6	28	32	03-18-92	48.91
405454072580401	S 65859. 1	405453	725801	112GLCLU	1978	92.2	57	61	03-17-92	50.45
405548072593501	S 65861. 1	405549	725936	112GLCLU	1978	143.9	106	110	03-18-92	45.92
405058073050901	S 66496. 1	405058	730509	211MGTY	1984	127.0	--	766	04-03-92	55.96
405245072573702	S 66506. 1	405245	725737	112GLCLU	1979	83.0	55	60	03-17-92	52.42
405014072564001	S 66508. 1	405013	725640	112GLCLU	1979	66.0	55	60	03-18-92	37.65
405441073043501	S 66510. 1	405350	730316	112GLCLU	1979	137.8	--	--	03-16-92	55.47
405644073051201	S 66511. 1	405644	730512	112GLCLU	1979	105.0	--	--	03-16-92	12.81
405504073011201	S 66512. 1	405504	730112	112GLCLU	1979	120.6	99	104	03-16-92	53.21
405333072241701	S 66825. 1	405333	722417	211MGTY	1984	50.0	--	259	04-14-92	6.89
404949073215101	S 66847. 1	404949	732151	112GLCLU	1978	170.8	97	102	03-16-92	81.20
404922073071201	S 66848. 1	404922	730744	112GLCLU	1979	98.0	67	72	03-17-92	47.79
404632073070802	S 67074. 1	404632	730706	211MGTY	1984	70.0	765	825	04-03-92	37.24
404652073120301	S 67197. 1	404652	731203	211MGTY	1984	65.0	--	749	04-01-92	33.48
404536073085402	S 67560. 1	404536	730854	112GLCLU	1979	16.4	--	--	03-17-92	13.13
405255073044301	S 67564. 1	405255	730443	112GLCLU	1980	103.0	80	85	03-17-92	60.58
404612073055003	S 68552. 1	404612	730550	211MGTY	1984	57.0	--	838	04-07-92	29.90
405551072561601	S 69364. 1	404551	725616	211MGTY	1983	32.8	--	529	04-09-92	18.43
405504073282501	S 69780. 1	405504	732825	112GLCLU	1981	110.9	139	150	03-16-92	5.03
405556073274201	S 69934. 1	405556	732742		1981	18.1	44	46	03-16-92	5.41
410137071590201	S 70255. 1	410137	715902	112GLCLU	1980	169.6	315	320	03-17-92	3.86
410108071590003	S 70257. 1	410108	715900	112GLCLU	1981	50.1	104	109	03-18-92	2.09
410233071553801	S 70259. 1	410233	715538	112GLCLU	1981	38.7	92	97	03-18-92	1.96
410213071572201	S 70260. 1	410213	715722	112GLCLU	1981	27.8	94	99	03-18-92	3.28
410213071572202	S 70263. 1	410213	715722	112GLCLU	1981	27.8	40	45	03-18-92	3.33
405155073045203	S 70488. 1	405158	730448	211MGTY	1984	95.6	344	437	04-03-92	58.36
410159072001601	S 70613. 1	410159	720016	112GLCLU	1981	65.8	70	75	03-17-92	2.07

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
410108071590002	S 70615. 1	410108	715900	112GLCLU	1981	51.2	50	55	03-18-92	2.05
410149071571601	S 70616. 1	410149	715716	112GLCLU	1981	30.0	35	40	03-18-92	2.24
410320071570601	S 70617. 1	410320	715706	112GLCLU	1982	72.7	93	97	03-18-92	5.62
410330071563901	S 70618. 1	410330	715639	112GLCLU	1981	85.6	100	105	03-18-92	3.14
410414071515901	S 70627. 1	410414	715159	112GLCLU	1981	90.1	90	95	03-18-92	14.89
405728072342402	S 71570. 1	405728	723424	112GLCLU	1988	29.3	50	52	03-18-92	6.65
404807072590801	S 71785. 1	404807	725908	211MGTY	1984	71.9	--	357	04-14-92	33.56
410322071523901	S 72283. 1	410322	715239	112GLCLU	1982	58.6	84	89	03-18-92	5.78
410118072001501	S 72415. 1	410118	720015	112GLCLU	1982	94.0	99	103	03-17-92	4.52
410211071560001	S 72416. 1	410211	715600	112GLCLU	1982	44.2	93	97	03-18-92	1.56
410235071564301	S 72417. 1	410235	715643	112GLCLU	1982	59.6	71	75	03-18-92	3.33
410319071555901	S 72418. 1	410319	715559	112GLCLU	1982	11.6	51	55	03-18-92	2.14
410039072011101	S 72420. 1	410039	720111	112GLCLU	1982	18.0	26	30	03-17-92	4.25
410420071551901	S 72871. 1	410420	715519	112GLCLU	1982	5.4	33	38	03-18-92	0.67
405616072182302	S 73990. 1	405616	721823	211MGTY	1984	34.0	540	545	03-16-92	9.13
405201072544301	S 74287. 1	405200	725434	112GLCLU	1983	58.7	31	35	03-18-92	44.62
405418072511201	S 74289. 1	405417	725116	112GLCLU	1983	76.8	40	44	03-18-92	45.35
405421072474501	S 74291. 1	405421	724745	112GLCLU	1983	44.4	15	19	03-18-92	39.27
405017072495001	S 74293. 1	405017	724950	112GLCLU	1983	83.6	67	71	03-16-92	28.73
405213072481101	S 74294. 1	405213	724808	112GLCLU	1983	56.5	32	36	03-16-92	36.17
405347072385501	S 74296. 1	405347	723855	112GLCLU	1983	23.5	20	24	03-16-92	15.32
405338072430501	S 74297. 1	405338	724305	112GLCLU	1983	103.8	96	100	03-16-92	34.35
405348072370501	S 74298. 1	405340	723709	112GLCLU	1983	61.3	74	78	03-16-92	13.45
405340072340601	S 74299. 1	405334	723408	112GLCLU	1983	22.6	20	24	03-16-92	8.35
405115072370501	S 74300. 1	405127	723643	112GLCLU	1983	75.0	68	72	03-16-92	14.82
405434072421401	S 74302. 1	405422	724233	112GLCLU	1983	36.5	40	44	03-16-92	19.01
405435072421401	S 74303. 1	405431	724110	112GLCLU	1983	19.2	20	24	03-16-92	14.89
405419072381201	S 74304. 1	405417	723810	112GLCLU	1983	25.3	25	29	03-16-92	8.33
405256072392301	S 74308. 1	405255	724019	112GLCLU	1983	98.5	100	104	03-16-92	20.72
404849073261201	S 74585. 1	404849	732612	211MGTY	1984	365.0	452	455	03-16-92	74.27
404852073024202	S 76478. 1	404852	730242	112GLCLU	1984	104.8	70	75	03-16-92	48.66
404944073075001	S 76566. 1	404944	730750	112GLCLU	1984	63.8	10	12	03-17-92	56.86
404942073175502	S 76673. 2	404942	731755	211MGTY	1984	130.0	625	630	03-16-92	66.20

SECONDARY WELLS

STATION NUMBER	LOCAL NUMBER	LATITUDE	LONGITUDE	AQUIFER UNIT CODE	START OF RECORD	ALTITUDE OF LAND SURFACE (FT, NGVD)	SCREEN INTERVAL (FT BELOW LAND SURFACE) TOP	BOTTOM	DATE	WATER LEVEL (FT, NGVD)
404942073175503	S 76674. 1	404942	731755	211MGTY	1984	130.0	455	460	03-16-92	66.44
404942073175504	S 76675. 1	404942	731755	211MGTY	1984	130.0	245	250	03-16-92	67.31
405446072524801	S 76834. 1	405446	725248	112GLCLU	1984	87.9	44	48	03-17-92	49.09
403741073215202	S 90161. 1	403741	732152	112GLCLU	1992	12.3	40	45	04-09-92	1.51
403741073215203	S 90162. 1	403741	732152	112GLCLU	1992	12.3	65	70	04-09-92	1.44
403741073215204	S 90163. 1	403741	732152	112GLCLU	1992	12.3	80	85	04-09-92	1.41

Hydrogeologic unit (aquifer):
- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112GRDR - Gardiners Clay, Pleistocene age.
- 112JMCO - Jameco Gravel, Pleistocene age.
- 112PGFG - Port Washington confining unit, Pleistocene age.
- 112PGQF - Port Washington aquifer, Pleistocene age.
- 112PLSC - Pleistocene deposit, undifferentiated.
- 211LLYD - Lloyd aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.
- 211RCNF - Raritan confining unit, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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 FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
405347073375501	N 835. 1	211LLYD	06-24-92	303	64.5	6.4	13.0
404736073353101	N 1176. 1	211MGTY	06-23-92	198	37.5	6.1	12.0
404659073332601	N 1194. 2	112GLCLU	05-14-92	100	307	6.4	13.5
405027073272602	N 1243. 5	211MGTY	03-10-92	28	444	6.3	12.0
404310073260102	N 1250. 2	112GLCLU	12-04-91	34	300	6.3	13.5
404059073254002	N 1253. 2	112GLCLU	11-25-91	29	528	6.2	13.0
404544073265502	N 7397. 2	112GLCLU	10-29-91	101	264	5.7	12.0
405126073275603	N 9152. 1	112GLCLU	03-10-92	58	126	6.3	14.5

DATE	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)	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)
06-24-92	6.5	3.9	1.6	5.0	0.70	15	1.0	5.9	<0.10	11
06-23-92	10.9	1.5	0.70	4.0	0.60	6.4	0.40	3.5	<0.10	8.4
05-14-92	7.3	20	5.7	25	2.1	33	24	54	<0.10	12
03-10-92	5.4	19	5.0	68	1.7	52	18	100	<0.10	7.2
12-04-91	3.0	26	7.5	24	2.8	76	32	24	0.10	7.3
11-25-91	3.3	31	3.0	58	3.2	46	35	120	<0.10	13
10-29-91	8.8	5.6	5.5	36	2.1	11	1.3	70	0.10	6.1
03-10-92	5.4	10	4.2	7.7	1.3	32	7.2	9.4	0.20	11

Hydrogeologic unit (aquifer):
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- 112JMCO - Jameco Gravel, Pleistocene age.
- 112PGFG - Port Washington confining unit, Pleistocene age.
- 112PGQF - Port Washington aquifer, Pleistocene age.
- 211LLYD - Lloyd aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.
- 211RCNF - Raritan confining unit, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

NASSAU COUNTY--Continued

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

DATE	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 DIS. (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
06-24-92	0.003	1.60	0.020	<0.20	<0.001	<0.001	45	<1	0.01
06-23-92	0.015	1.30	0.020	<0.20	<0.001	0.011	610	20	0.01
05-14-92	0.009	2.30	0.060	<0.20	0.006	0.001	2300	92	0.04
03-10-92	0.031	1.90	0.020	<0.20	<0.001	0.005	87	8	0.05
12-04-91	0.014	1.10	0.100	<0.20	0.005	<0.001	3200	950	0.08
11-25-91	0.006	0.210	0.130	<0.20	0.003	0.002	200	1000	0.05
10-29-91	0.009	4.10	<0.010	<0.20	0.002	0.002	900	86	0.06
03-10-92	0.022	2.00	0.010	<0.20	<0.001	0.003	21	28	0.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1992 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 14	N 2565	N 4388	N 5655	N 7353	N 8183	N 8956
N 17	N 2400	N 4389	N 5656	N 7377	N 8195	N 8957
N 22	N 2414	N 4390	N 5672	N 7407	N 8196	N 8976
N 28	N 2578	N 4393	N 5695	N 7414	N 8214	N 9151
N 29	N 2597	N 4400	N 5696	N 7421	N 8216	N 9173
N 36	N 2602	N 4405	N 5703	N 7445	N 8217	N 9180
N 37	N 2613	N 4411	N 5710	N 7446	N 8218	N 9210
N 46	N 2616	N 4425	N 5762	N 7482	N 8233	N 9211
N 68	N 2748	N 4447	N 5767	N 7512	N 8248	N 9212
N 69	N 2920	N 4448	N 5792	N 7513	N 8249	N 9308
N 72	N 3185	N 4450	N 5852	N 7515	N 8250	N 9334
N 75	N 3443	N 4451	N 5876	N 7516	N 8251	N 9338
N 79	N 3456	N 4512	N 5884	N 7521	N 8253	N 9452
N 80	N 3457	N 4602	N 5947	N 7522	N 8264	N 9463
N 81	N 3465	N 4623	N 5994	N 7523	N 8279	N 9488
N 82	N 3474	N 4756	N 6042	N 7526	N 8313	N 9514
N 83	N 3475	N 4757	N 6076	N 7548	N 8321	N 9520
N 95	N 3540	N 4758	N 6077	N 7549	N 8339	N 9521
N 97	N 3603	N 4759	N 6078	N 7551	N 8342	N 9591
N 103	N 3604	N 4859	N 6087	N 7552	N 8354	N 9613
N 104	N 3605	N 4860	N 6092	N 7561	N 8355	N 9768
N 118	N 3618	N 5007	N 6093	N 7562	N 8409	N 9792
N 119	N 3668	N 5099	N 6146	N 7593	N 8420	N 9809
N 133	N 3672	N 5121	N 6148	N 7620	N 8426	N 9846
N 134	N 3673	N 5145	N 6149	N 7649	N 8457	N 9878
N 152	N 3687	N 5147	N 6150	N 7650	N 8474	N 9910
N 198	N 3720	N 5148	N 6192	N 7665	N 8475	N 9976
N 199	N 3732	N 5152	N 6315	N 7720	N 8480	N 10033
N 570	N 3733	N 5153	N 6442	N 7747	N 8497	N 10034
N 585	N 3742	N 5155	N 6443	N 7772	N 8525	N 10103
N 650	N 3745	N 5156	N 6450	N 7773	N 8526	N 10144
N 651	N 3876	N 5187	N 6580	N 7776	N 8557	N 10149
N 687	N 3878	N 5193	N 6644	N 7781	N 8558	N 10195
N 693	N 3905	N 5194	N 6651	N 7785	N 8576	N 10206
N 700	N 3934	N 5195	N 6744	N 7796	N 8595	N 10207
N 1298	N 3935	N 5201	N 6745	N 7797	N 8603	N 10208
N 1328	N 3937	N 5209	N 6817	N 7831	N 8657	N 10211
N 1346	N 4043	N 5227	N 6866	N 7852	N 8658	N 10286
N 1601	N 4077	N 5260	N 6867	N 7855	N 8664	N 10401
N 1602	N 4082	N 5302	N 6893	N 7857	N 8665	N 10408
N 1603	N 4095	N 5303	N 6915	N 7873	N 8713	N 10451
N 1651	N 4096	N 5304	N 6916	N 7892	N 8761	N 10555
N 1697	N 4097	N 5308	N 6945	N 7957	N 8767	N 10557
N 1715	N 4118	N 5318	N 6956	N 8004	N 8768	N 10612
N 1716	N 4132	N 5320	N 7058	N 8007	N 8776	N 10863
N 1802	N 4206	N 5321	N 7076	N 8010	N 8778	N 10889
N 1870	N 4243	N 5322	N 7104	N 8011	N 8779	N 11004
N 1958	N 4245	N 5596	N 7117	N 8031	N 8818	N 11107
N 2030	N 4265	N 5603	N 7126	N 8043	N 8837	N 11295
N 2052	N 4298	N 5653	N 7157	N 8054	N 8941	N 11509
N 2214	N 4327	N 5654	N 7298			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 1992 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 3864	N 8848	N 9359	N 9921	N 10290	N 11643
N 1114	N 3865	N 8849	N 9373	N 9922	N 10291	N 11644
N 1115	N 3866	N 8857	N 9468	N 9923	N 10292	N 11659
N 1116	N 3867	N 8863	N 9469	N 9924	N 10425	N 11670
N 1118	N 3932	N 8873	N 9470	N 9925	N 10430	N 11671
N 1120	N 4026	N 8875	N 9471	N 9926	N 10604	N 11672
N 1126	N 4062	N 8876	N 9472	N 9927	N 10606	N 11673
N 1129	N 4213	N 8877	N 9473	N 9928	N 10607	N 11675
N 1132	N 5227	N 8879	N 9474	N 9930	N 10608	N 11676
N 1133	N 5250	N 8888	N 9475	N 9931	N 10609	N 11720
N 1137	N 6367	N 8891	N 9476	N 9932	N 10620	N 11721
N 1139	N 6581	N 8933	N 9477	N 9933	N 10667	N 11722
N 1147	N 6701	N 8938	N 9478	N 9934	N 10730	N 11723
N 1148	N 6702	N 8939	N 9607	N 9935	N 10731	N 11724
N 1152	N 6703	N 8940	N 9608	N 9938	N 10732	N 11725
N 1168	N 6704	N 8943	N 9609	N 9939	N 10733	N 11726
N 1169	N 6849	N 8944	N 9646	N 9940	N 10882	N 11730
N 1176	N 6850	N 8959	N 9647	N 9941	N 10977	N 11731
N 1183	N 6853	N 8964	N 9648	N 9942	N 10978	N 11732
N 1184	N 6928	N 8970	N 9649	N 9943	N 10979	N 11777
N 1189	N 7161	N 8984	N 9650	N 9944	N 10980	N 11778
N 1190	N 7207	N 9030	N 9651	N 9945	N 10981	N 11779
N 1194	N 7235	N 9054	N 9652	N 9946	N 10982	N 11781
N 1195	N 7478	N 9057	N 9653	N 9947	N 11002	N 11782
N 1197	N 8046	N 9059	N 9654	N 9948	N 11109	N 11783
N 1201	N 8052	N 9077	N 9655	N 9949	N 11165	N 11784
N 1204	N 8203	N 9078	N 9656	N 9979	N 11166	N 11785
N 1205	N 8204	N 9079	N 9657	N 9980	N 11167	N 11795
N 1223	N 8269	N 9087	N 9658	N 9981	N 11168	N 11798
N 1225	N 8309	N 9088	N 9659	N 9982	N 11169	N 11822
N 1231	N 8374	N 9089	N 9660	N 9983	N 11170	N 11823
N 1232	N 8550	N 9098	N 9661	N 9984	N 11171	N 11824
N 1236	N 8598	N 9099	N 9662	N 9999	N 11172	N 11830
N 1243	N 8599	N 9100	N 9663	N 10000	N 11279	N 11837
N 1246	N 8630	N 9115	N 9664	N 10001	N 11280	N 11865
N 1250	N 8631	N 9116	N 9665	N 10002	N 11281	N 11866
N 1253	N 8633	N 9127	N 9666	N 10003	N 11304	N 11961
N 1263	N 8636	N 9152	N 9667	N 10004	N 11310	N 11962
N 1278	N 8644	N 9154	N 9668	N 10005	N 11324	N 11964
N 1279	N 8645	N 9168	N 9669	N 10006	N 11396	N 11986
N 1280	N 8646	N 9188	N 9670	N 10007	N 11397	N 11987
N 1281	N 8647	N 9189	N 9711	N 10008	N 11453	N 11988
N 1422	N 8648	N 9190	N 9712	N 10009	N 11454	N 12004
N 1429	N 8651	N 9191	N 9776	N 10010	N 11455	N 12013
N 1438	N 8652	N 9208	N 9802	N 10011	N 11457	N 12038
N 1442	N 8653	N 9309	N 9803	N 10019	N 11458	N 12039
N 1449	N 8654	N 9313	N 9804	N 10020	N 11570	N 12050
N 1475	N 8655	N 9314	N 9805	N 10035	N 11572	N 12075
N 1625	N 8669	N 9316	N 9820	N 10085	N 11573	N 12076
N 1685	N 8717	N 9332	N 9892	N 10094	N 11574	N 12079
N 2635	N 8718	N 9333	N 9899	N 10101	N 11576	N 12082
N 2790	N 8749	N 9353	N 9907	N 10192	N 11577	N 12102
N 3707	N 8752	N 9354	N 9914	N 10200	N 11579	N 12112
N 3708	N 8788	N 9356	N 9917	N 10245	N 11580	Q 1071
N 3710	N 8831	N 9357	N 9918	N 10246	N 11633	Q 1237
N 3711	N 8847	N 9358	N 9919	N 10252	N 11634	Q 3109
N 3862						

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

SUFFOLK 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 FIELD (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
405240072491402	S 47226. 1	112GLCLU	04-01-92	30	81.0	6.6	10.5
405240072491401	S 47227. 1	112GLCLU	04-01-92	100	103	7.6	10.5
405412072441401	S 47753. 1	112GLCLU	04-28-92	102	50.0	6.1	10.5
405604073064301	S 47973. 1	112GLCLU	05-13-92	90	166	6.4	--
405121072490601	S 48946. 1	112GLCLU	04-01-92	45	170	6.2	13.0
405512072395201	S 51573. 1	112GLCLU	04-28-92	90	135	6.1	14.5
405349072494101	S 51592. 1	112GLCLU	04-01-92	42	109	5.8	11.5
404357072515703	S 52164. 1	211MGTY	05-19-92	735	90.4	6.8	14.5
403935073235001	S 66136. 1	211MGTY	03-30-92	134	33.1	5.6	13.0
405508073054201	S 66513. 1	112GLCLU	05-19-92	123	283	6.0	12.0
403935073235002	S 67537. 1	211LLYD	03-30-92	61	132	7.6	13.5
404433073244903	S 74586. 1	211MGTY	10-24-91	441	25.7	5.1	10.0
404433073244904	S 74587. 1	211MGTY	10-24-91	196	211	5.7	11.5
404433073244905	S 75033. 1	112GLCLU	10-23-91	62	127	5.7	14.5
403935073235003	S 79407. 1	211LLYD	03-30-92	1219	65.4	6.5	12.5
403935073235004	S 79408. 1	211MGTY	03-30-92	680	31.9	5.3	13.0
405405072442703	S 89536. 1	211MGTY	06-17-92	273	127	7.7	11.0
404641073005301	S 94403. 1	112GLCLU	05-13-92	100	76.2	6.7	12.5

Hydrogeologic unit (aquifer):
- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112GRDR - Gardiners Clay, Pleistocene age.
- 112JMCO - Jameco Gravel, Pleistocene age.
- 112PGFC - Port Washington confining unit, Pleistocene age.
- 112PGQF - Port Washington aquifer, Pleistocene age.
- 211LLYD - Lloyd aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.
- 211RCNF - Raritan confining unit, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

SUFFOLK COUNTY--Continued

DATE	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)	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)
04-01-92	1.3	4.6	0.79	4.4	0.50	12	6.2	7.6	<0.10	11
04-01-92	1.3	12	2.6	4.0	0.40	41	4.4	5.2	<0.10	14
04-28-92	7.6	2.9	1.3	3.9	0.50	7.1	8.3	5.3	0.10	8.5
05-13-92	7.3	14	4.4	7.4	1.3	24	29	9.4	<0.10	12
04-01-92	6.0	12	3.6	8.1	4.3	14	27	12	<0.10	8.8
04-28-92	1.2	19	2.3	5.6	0.60	61	0.50	6.9	0.20	42
04-01-92	7.0	2.1	0.81	16	0.40	5.4	10	23	<0.10	6.4
05-19-92	1.5	0.46	0.95	12	5.1	25	6.2	5.3	<0.10	8.3
03-30-92	1.8	0.89	1.1	2.3	0.40	6.1	3.4	3.8	<0.10	8.8
05-19-92	10.7	17	8.0	23	1.7	17	23	38	<0.10	16
03-30-92	1.5	22	1.4	2.7	0.40	60	3.4	4.4	0.10	9.1
10-24-91	3.0	0.87	0.37	3.1	0.40	3.4	1.7	4.6	<0.10	6.6
10-24-91	3.4	18	6.7	10	1.6	11	39	17	<0.10	11
10-23-91	7.4	11	1.9	9.5	2.0	10	17	7.0	<0.10	6.2
03-30-92	0.7	0.47	0.36	5.6	0.30	20	5.2	3.1	0.10	7.9
03-30-92	1.5	0.41	0.34	2.4	0.30	6.9	3.1	3.5	<0.10	7.5
06-17-92	0.9	17	2.4	5.0	0.90	48	8.5	5.9	<0.10	14
05-13-92	1.7	5.9	1.8	4.4	1.1	26	3.2	4.2	0.20	16

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

SUFFOLK COUNTY--Continued

DATE	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 DIS. (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
04-01-92	0.025	<0.050	0.230	<0.20	0.006	0.011	7000	160	0.01
04-01-92	0.013	<0.050	0.100	<0.20	0.250	0.221	680	260	0.01
04-28-92	0.001	0.070	<0.010	<0.20	0.006	0.008	38	15	0.01
05-13-92	0.010	1.90	0.130	<0.20	0.048	<0.001	3100	130	0.03
04-01-92	0.016	4.20	0.140	0.20	0.003	0.023	2000	160	0.05
04-28-92	0.001	<0.050	0.320	0.40	0.112	0.116	80	49	0.01
04-01-92	0.024	0.140	0.020	0.20	0.001	0.001	130	35	0.02
05-19-92	0.007	<0.050	0.070	<0.20	0.020	0.009	3600	47	<0.01
03-30-92	0.006	<0.050	0.020	<0.20	0.010	0.009	660	24	<0.01
05-19-92	0.001	8.80	0.010	<0.20	0.014	0.010	6	2	0.10
03-30-92	0.007	<0.050	0.010	<0.20	0.047	0.038	39	290	0.01
10-24-91	0.004	0.260	0.030	<0.20	0.001	0.002	11	3	0.01
10-24-91	0.004	5.30	0.030	<0.20	<0.001	0.002	3	2	0.08
10-23-91	0.009	2.20	0.030	<0.20	0.001	0.002	<3	11	0.04
03-30-92	0.008	<0.050	0.010	<0.20	0.004	0.001	3100	64	<0.01
03-30-92	0.007	<0.050	0.010	<0.20	0.018	0.001	240	4	0.01
06-17-92	0.002	<0.050	0.090	<0.20	0.178	0.163	290	31	<0.01
05-13-92	0.008	<0.050	0.030	<0.20	0.102	0.024	1800	170	<0.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1992 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 20839	S 29732	S 36976	S 46235	S 54305	S 67074
S 872	S 20955	S 30088	S 37140	S 46400	S 54308	S 67197
S 1331	S 21121	S 30117	S 37141	S 46712	S 54473	S 67656
S 1340	S 21244	S 30118	S 37174	S 46713	S 54568	S 67819
S 1341	S 21247	S 30207	S 37301	S 46830	S 54730	S 67925
S 1666	S 21366	S 30208	S 37351	S 46928	S 54957	S 68552
S 2415	S 21375	S 30227	S 37494	S 47024	S 55028	S 68666
S 4372	S 21487	S 30228	S 37681	S 47035	S 55463	S 68690
S 5565	S 21632	S 30234	S 37847	S 47219	S 55502	S 68880
S 6513	S 21945	S 30506	S 37861	S 47310	S 55734	S 69024
S 7570	S 22048	S 30762	S 37963	S 47435	S 56038	S 69364
S 8439	S 22351	S 31037	S 38192	S 47436	S 56039	S 69511
S 9893	S 22362	S 31038	S 38194	S 47437	S 56133	S 70008
S 11105	S 22389	S 31039	S 38320	S 47438	S 56674	S 70155
S 12130	S 22471	S 31104	S 38321	S 47453	S 57008	S 70459
S 14326	S 22547	S 31624	S 38491	S 47673	S 57354	S 70488
S 14710	S 22548	S 31653	S 38701	S 47886	S 57357	S 70767
S 14792	S 22640	S 31913	S 38784	S 47887	S 57871	S 71038
S 14828	S 22711	S 32180	S 38785	S 48014	S 57979	S 71083
S 14921	S 23183	S 32287	S 38916	S 48193	S 57980	S 71533
S 15500	S 23184	S 32325	S 38917	S 48719	S 58708	S 71785
S 15501	S 23185	S 32326	S 39024	S 49018	S 58761	S 71881
S 15514	S 23186	S 32359	S 39347	S 49422	S 59347	S 71882
S 15746	S 23255	S 32501	S 39531	S 49606	S 59744	S 71892
S 15776	S 23371	S 32551	S 39536	S 50546	S 60127	S 72245
S 15898	S 23440	S 32552	S 40161	S 50630	S 60486	S 72271
S 15923	S 23445	S 33005	S 40330	S 51214	S 60812	S 72300
S 16129	S 23524	S 33006	S 40497	S 51266	S 61910	S 72326
S 16256	S 23631	S 33308	S 40498	S 51274	S 61937	S 72917
S 16309	S 23715	S 33500	S 40709	S 51275	S 62022	S 73144
S 16892	S 23827	S 33820	S 40710	S 51298	S 62240	S 73332
S 16893	S 23828	S 33826	S 40711	S 51457	S 62855	S 73492
S 17037	S 23832	S 33922	S 40837	S 51519	S 63205	S 73847
S 17474	S 23848	S 33970	S 40838	S 51609	S 63256	S 74505
S 17689	S 24047	S 34007	S 40980	S 51673	S 63618	S 74573
S 17835	S 24323	S 34030	S 42226	S 51953	S 63966	S 74865
S 18003	S 24545	S 34031	S 42227	S 52126	S 64023	S 77010
S 18261	S 24663	S 34300	S 42270	S 52451	S 64062	S 78310
S 18729	S 25617	S 34301	S 42473	S 52490	S 64609	S 78612
S 18762	S 25674	S 34460	S 42499	S 52943	S 64716	S 79293
S 19048	S 25776	S 34522	S 42504	S 52944	S 64847	S 81473
S 19198	S 26535	S 34595	S 42505	S 52945	S 65505	S 82174
S 19408	S 27070	S 35033	S 42760	S 53074	S 65766	S 82422
S 19465	S 27192	S 35446	S 42761	S 53291	S 65905	S 83096
S 19565	S 27259	S 35494	S 42762	S 53360	S 66183	S 83707
S 20057	S 27533	S 35939	S 42827	S 53361	S 66184	S 84848
S 20300	S 27784	S 36166	S 43001	S 53497	S 66366	S 88463
S 20369	S 28408	S 36459	S 43117	S 53498	S 66429	S 90674
S 20460	S 28503	S 36460	S 43641	S 53522	S 66496	S 93702
S 20479	S 28767	S 36711	S 44468	S 53593	S 66657	S 94138
S 20530	S 28819	S 36714	S 44640	S 53747	S 66733	S 94286
S 20566	S 28928	S 36748	S 44774	S 53850	S 66758	S 96232
S 20635	S 29411	S 36791	S 45610	S 53851	S 66825	S 96352
S 20688	S 29491	S 36869	S 45839	S 54162	S 66881	S 96673
S 20689	S 29492	S 36965	S 45840			

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 1992 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 46286	S 47754	S 48579	S 52163	S 66508	S 71568
S 6524	S 46287	S 47755	S 48580	S 52164	S 66509	S 71569
S 8837	S 46359	S 47756	S 48581	S 52686	S 66511	S 71570
S 13204	S 46502	S 47757	S 48582	S 53057	S 66512	S 71571
S 13924	S 46911	S 47758	S 48583	S 53196	S 66513	S 71572
S 15046	S 46912	S 47945	S 48584	S 53323	S 70257	S 71573
S 16118	S 46913	S 47973	S 48651	S 53325	S 70259	S 71575
S 17174	S 46914	S 47974	S 48759	S 53327	S 70260	S 71576
S 22660	S 46966	S 47975	S 48948	S 53328	S 70262	S 71578
S 43808	S 47223	S 47976	S 48958	S 53329	S 71087	S 71579
S 43809	S 47225	S 47977	S 49898	S 53330	S 71088	S 72483
S 43810	S 47227	S 48425	S 51169	S 53331	S 71089	S 72486
S 43811	S 47228	S 48426	S 51170	S 53332	S 71090	S 72840
S 43814	S 47231	S 48427	S 51175	S 53333	S 71091	S 72841
S 43815	S 47232	S 48428	S 51176	S 53334	S 71186	S 72842
S 43816	S 47233	S 48429	S 51177	S 53335	S 71188	S 72844
S 43817	S 47234	S 48430	S 51179	S 53336	S 71189	S 72847
S 43818	S 47235	S 48432	S 51184	S 53337	S 71190	S 75435
S 43819	S 47236	S 48435	S 51185	S 53338	S 71274	S 75438
S 43821	S 47675	S 48437	S 51186	S 53539	S 71275	S 75439
S 43822	S 47698	S 48438	S 51568	S 57371	S 71276	S 88716
S 44918	S 47718	S 48439	S 51579	S 58921	S 71277	S 88718
S 45446	S 47724	S 48440	S 51581	S 58922	S 71278	S 89534
S 45447	S 47743	S 48442	S 51582	S 58924	S 71280	S 89535
S 45636	S 47745	S 48443	S 51583	S 58925	S 71281	S 89536
S 45637	S 47746	S 48517	S 51587	S 58960	S 71283	S 90280
S 45717	S 47747	S 48518	S 51588	S 59992	S 71284	S 91812
S 45718	S 47748	S 48519	S 51589	S 60123	S 71285	S 91813
S 45719	S 47749	S 48520	S 51591	S 60124	S 71286	S 91814
S 45720	S 47750	S 48521	S 51592	S 63831	S 71287	S 94486
S 45721	S 47751	S 48522	S 52050	S 64477	S 71560	S 94487
S 45722	S 47752	S 48578	S 52162	S 66506	S 71567	S 94488
S 46284	S 47753					

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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
U.S. Geological Survey
5 Aerial Way
Syosset, NY 11791

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