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Water Resources Data New York Water Year 2002

Volume 2. Long Island

By A.G. Spinello, R. Busciolano, G. Peña-Cruz, and R.B. Winowitch

Water-Data Report NY-02-2

In cooperation with local agencies

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PREFACE

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

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

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

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Water resources data for the 2002 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and ponds; stage and water quality of estuaries; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 15 gaging stations; lake stage at 6 gaging stations; tide stage at 5 gaging stations; and water levels at 464 observation wells. Also included are data for 10 low-flow partial record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data, together with the data in Volume 1 and 3 represent that part of the National Water Data system operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York

14. SUBJECT TERMS

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

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

NOTE—Data for partial-record stations and miscellaneous sites for surface-water discharge are published in separate sections of the data report.

[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. 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
Glen Cove Creek at Glen Cove (d)	01302500	About 11	1939-00
Mill Neck Creek at Mill Neck (d)	01303000	About 11.5	1937-00
Patchogue River at Patchogue (d)	01306000	About 13.5	1948-69, 1974-76
Champlin Creek at Islip (d)	01307000	About 6.5	1945-69
Penataquit Creek at Bay Shore (d)	01307500	About 5	1945-76
Santapogue Creek at Lindenhurst (d)	01309000	About 7	1947-69
Massapequa Creek at Massapequa (d)	01309500	About 38	1937-00
Seaford Creek at Massapequa (d)	01309680	About 3.3	1992-95
Bellmore Creek at Bellmore (d)	01310000	About 17	1937-00
East Meadow Brook at Freeport (d)	01310500	About 31	1937-00
Pines Brook at Malverne (d)	01311000	About 10	1937-99

DISCONTINUED LOW-FLOW PARTIAL-RECORD STATIONS

The following low-flow partial-record stations on Long Island, New York, have been discontinued. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. 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.

[Symbols after drainage area designate: *, operated as a continuous-record gaging station; ^{b}, about]

Station name	Station number	Drainage area (mi^2)	Period of record
Whitney Lake Outlet at Manhasset, N.Y.	01302200	--	1953-98
Roslyn Brook at Roslyn, N.Y.	01302300	--	1953-98
Island Swamp Brook at Lattingtown, N.Y.	01302800	--	1953-98
Mill Creek near Huntington, N.Y.	01303600	--	1953-98
Stony Hollow Run at Centerport, N.Y.	01303700	--	1953-98
Fresh Pond Outlet at Fort Salonga, N.Y.	01303742	--	1977-98
Northeast Branch Nissequogue River near East Hauppauge, N.Y.	01303790	--	1972-87, 1989-98
Northeast Branch Nissequogue River at Smithtown, N.Y.	01303800	--	1948-49, 1951-76, 1979-98
Northeast Branch Nissequogue River near Hauppauge, N.Y.	01303850	--	1972-98
Northeast Branch Nissequogue River near Smithtown, N.Y.	01303900	--	1953-98
Nissequogue River near Hauppauge, N.Y.	01303941	--	1972-98
Nissequogue River at Smithtown, N.Y.	01304010	--	1974-98
Stony Brook at Stony Brook, N.Y.	01304051	--	1977-98

Station name	Station number	Drainage area (mi^2)	Period of record
Unnamed tributary to Conscience Bay at Setauket, N.Y.	01304060	--	1977-98
Unnamed tributary to Setauket Harbor at East Setauket, N.Y.	01304065	--	1977-98
Unnamed tributary to Port Jefferson Harbor at Port Jefferson, N.Y.	01304070	--	1977-98
Wading River at Wading River, N.Y.	01304100	--	1953-62, 1964-83, 1985-86, 1989-98
Fresh Pond Outlet, at Baiting Hollow, N.Y.	01304150	--	1977-98
Peconic River at Manorville, N.Y.	01304400	--	1948-49, 1951-99
Peconic River at Nugent Drive, at Riverhead, N.Y.	01304510	--	1976-99
Little River near Riverhead, N.Y.	01304530	--	1952-98
White Brook at Riverhead, N.Y.	01304560	--	1953-69, 1973-98
Weesuck Creek at East Quogue, N.Y.	01304745	--	1974-98
Quantuck Creek at Quogue, N.Y.	01304760	--	1953-69, 1974-98
Aspatuck Creek near Westhampton Beach, N.Y.	01304780	--	1959-88, 1990-98
Beaverdam Creek at Westhampton Beach, N.Y.	01304800	--	1953-88, 1990-98
Speonk River at Speonk, N.Y.	01304820	--	1974-98
Seatuck Creek at Eastport, N.Y.	01304860	--	1953-98
Little Seatuck Creek at Eastport, N.Y.	01304900	--	1955-69, 1974-98
Forge River at Moriches, N.Y.	01304960	--	1948-50, 1952-99
Carmans River at Middle Island, N.Y.	01304990	--	1957-99
Carmans River near Yaphank, N.Y.	01304995	--	1973-99
Carmans River, below Lower Lake, at Yaphank, N.Y.	01304998	--	1973-99
Carmans River at South Haven, N.Y.	01305040	--	1973-99
Mud Creek at East Patchogue, N.Y.	01305300	--	1957-69, 1977-98
Patchogue River near Patchogue, N.Y.	01305800	--	1945-50, 1952-98
Patchogue River at Patchogue, N.Y.	01306000	13.5[b]	1956-69*, 1970-73, 1974-76*, 1977-98
Green Creek at West Sayville, N.Y.	01306400	--	1953-98
Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	01306405	--	1948-49, 1953-54, 1977-79, 1981-86, 1988-89, 1991-98
Connetquot Brook near Oakdale, N.Y.	01306470	--	1968, 1973-98
Rattlesnake Brook near Oakdale, N.Y.	01306700	--	1954-69, 1971-98
Champlin Creek at Islip, N.Y.	01307000	6.5[b]	1958-69*, 1970-86, 1991-98
Pardees Ponds Outlet at Islip, N.Y.	01307300	--	1958-72, 1974-97
Awixa Creek at Islip, N.Y.	01307400	--	1958-98
Penataquit Creek at Bay Shore, N.Y.	01307500	5[b]	1955-76*, 1977-98
Cascade Lakes Outlet at Brightwaters, N.Y,	01307600	--	1958-98
Sampawams Creek near Deer Park, N.Y.	01307920	--	1965-66, 1973-98
Sampawams Creek near North Babylon, N.Y.	01307950	--	1967, 1971-98
Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	01308200	--	1953-67, 1969-98
Carlls River at Park Avenue, Babylon, N.Y.	01308600	--	1968-85, 1987-98
Santapogue Creek at Lindenhurst, N.Y.	01309000	7[b]	1957-69*, 1970-98
Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	01309100	--	1953-69, 1971-98
Neguntatogue Creek at Lindenhurst, N.Y.	01309200	--	1948-50, 1952-98
Strongs Creek at Lindenhurst, N.Y.	01309250	--	1953-69, 1971-98
Amityville Creek at Amityville, N.Y.	01309350	--	1953-98
Carman Creek at Amityville, N.Y.	01309400	--	1949, 1953-69, 1971-88, 1990-98

Station name	Station number	Drainage area (mi^2)	Period of record
Massapequa Creek at South Farmingdale, N.Y.	01309454	--	1962-65, 1973-78, 1980-98
Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	01309476	--	1962-65, 1973-98
Massapequa Creek at North Massapequa, N.Y.	01309490	--	1962, 1964, 1973-98
Seaford Creek at Seaford, N.Y.	01309700	--	1953-98
Seamans Creek at Seaford, N.Y.	01309800	--	1953-67, 1971-81, 1983-98
Bellmore Creek tributary near North Wantagh, N.Y.	01309970	--	1973-98
Bellmore Creek tributary at North Wantagh, N.Y.	01309980	--	1973-98
Newbridge Creek at Merrick, N.Y.	01310100	--	1963-98
Cedar Swamp Creek at Merrick, N.Y.	01310200	--	1953-62, 1965-98
East Meadow Brook near Westbury, N.Y.	01310470	--	1973-98
East Meadow Brook at Uniondale, N.Y.	01310475	--	1973-98
East Meadow Brook at East Meadow, N.Y.	01310488	--	1973-98
East Meadow Pond Outlet at Freeport, N.Y.	01310510	--	1975-80, 1986, 1990-98
Freeport Creek at Freeport, N.Y.	01310515	--	1975-80, 1986, 1990-98
Milburn Creek at Baldwin, N.Y.	01310600	--	1953-98
Parsonage Creek at Baldwin, N.Y.	01310700	--	1953-69, 1971-81, 1983-84, 1986-88, 1991-98
South Pond Outlet at Rockville Centre, N.Y.	01310800	--	1953-93, 1995-98
Motts Creek at Valley Stream, N.Y.	01311200	--	1954-98
Valley Stream, below West Branch, at Valley Stream, N.Y.	01311700	--	1953-98

INTRODUCTION

Water-resources data for the 2002 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and ponds; stage and water quality of estuaries; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 15 gaging stations; lake stage at 6 gaging stations; tide stage at 5 gaging stations; and water levels at 464 observation wells. Also included are data for 10 low-flow partial record stations. Locations of these sites are shown on pages 43-51. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. Surface-water, ground-water, and water-quality data at all New York District sites are listed in Eastern Standard Time (EST); adjacent District's data are listed in local standard time. These data together with the data in Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65, and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, Colorado 80225-0286.

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

Streamflow and water-quality data beginning with the 1971 water year, and ground-water data beginning with the 1975 water year are published only in reports on a State-boundary basis. Beginning with the 1975 water year, these Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-02-2." Water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. Beginning with the 1990 water year through the 1994 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM).

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (518) 285-5600. A limited number of CD-ROM discs for water years 1990-94 will be available for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, Colorado 80225-0286.

COOPERATION

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

County of Suffolk, Department of Health Services, Clare B. Bradley, M.D., MPH, Acting Commissioner
New York City Department of Environmental Protection, Christopher O. Ward, Commissioner
New York State Department of Environmental Conservation, Erin M. Crotty, Commissioner
Suffolk County Water Authority, Stephen Jones, Chief Executive Officer
Town of East Hampton, Department of Natural Resources & Environmental Protection, Laurence Penny, Director
Town of Hempstead, Department of Conservation & Waterways, Ronald W. Masters, Commissioner.
Town of Shelter Island, Arthur R. Williams, Supervisor
Town of Southampton, Department of Land Management, Jefferson V. Murphree, Town Planning and Development Administrator
Village of Freeport, Richard E. Holdener, Director of Emergency Management

The following organizations aided in collecting records:

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

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow and ground-water levels on Long Island were near or slightly below normal at the beginning of the 2002 water year (October), then gradually declined to below normal at the end of the year (September) (figs. 1-4).

Almost all maximum peak discharges for the 2002 water year occurred on August 29. Average runoff for the water year was below normal. The maximum monthly mean discharge for the 2002 water year at most stations occurred in September, and most minimum monthly mean discharges occurred in July or August. Precipitation for the 2002 water year at Brookhaven National Laboratory was 38.23 in., 9.69 in. below normal.

Water levels in most wells screened in the upper glacial, Magothy, and Lloyd aquifers on Long Island were near to slightly below normal at the beginning of the water year, and many wells reached record-low water levels in August and September. Record lows were measured at 82 wells throughout all four counties on Long Island; record highs were measured at 4 wells in Kings, Queens and Suffolk Counties.

Maximum water levels for the 2002 water year at the lake-stage gage on Long Pond near Sag Harbor was recorded on October 1, and the maximum water level at the station on Georgica Pond at Midhampton was recorded on September 1. Minimum water levels at the station on Long Pond were recorded on August 27-29, and minimum water levels at Georgica Pond were recorded on October 28 and 29, and April 8 and 10-12. The maximum monthly mean water level at Long Pond occurred in October, and the maximum monthly mean water level at Georgica Pond occurred in September. The minimum monthly mean water level at Long Pond occurred in August, and the minimum monthly mean water level at Georgica Pond occurred in April.

Maximum water levels for the 2002 water year at the tide-stage gages on Hudson Bay at Freeport and Reynolds Channel at Point Lookout were recorded on October 1. Minimum water levels at both stations were recorded on January 14. Maximum monthly mean water levels for the 2002 water year at both stations occurred in September. Minimum monthly mean water levels at Hudson Bay occurred in January and March, and the minimum monthly mean water level at Reynolds Channel occurred in March.

Six synoptic samplings of ground-water were conducted during the 2002 water year. The first was done under the New York State pesticide-monitoring program. One well was sampled twice for 123 pesticides and analyzed by a method with detection limits ranging from 0.001 to 0.2 micrograms per liter. This well is part of a statewide long-term monitoring network of wells with known contamination. The second sampling entailed an analysis of water from six ponds in the Towns of East Hampton and Southampton for 167 compounds, including nutrients, volatile organic compounds (VOCs), pesticides, and wastewater compounds. Each pond was sampled twice. Few VOCs, pesticides, and wastewater compounds were detected. High pH and high concentrations of total phosphorus, and low concentrations of dissolved oxygen, were present in some ponds. The third sampling was done as part of the Brooklyn-Queens aquifer study and included 50 wells representing four aquifers and three streams in Kings and Queen Counties. The samples were analyzed for 275 organic and inorganic constituents to assess the ground-water as a potable supply. The most frequently detected contaminant was MTBE (70 percent of samples). The fourth sampling was done as part of the Manhasset Neck Peninsula aquifer study; five wells were sampled to monitor saltwater intrusion on the peninsula. The fifth sampling was done as part of a reconnaissance of wastewater compounds in ground water in Suffolk County; nine wells were sampled for 68 compounds. Nine compounds were detected below the reporting limit of 0.5 micrograms per liter. The sixth sampling entailed analysis of 19 ground water samples collected in Suffolk County to define the occurrence of arsenic in ground water as part of a cooperative study with the Suffolk County Water Authority. The analyses detected arsenic concentrations near 10 micrograms per liter at only 2 of the 19 wells sampled. Arsenic concentrations at 3 of the wells were less than 4 micrograms per liter and less than 2 at the remaining wells.

Fourteen grab surface water samples were collected from bays, lakes, and streams in Suffolk County and analyzed for adultacides and larvacides that were sprayed to control mosquitoes. All samples were collected within an hour of the pesticide application and were filtered before analysis for methoprene, malathion, sumithrin, resmithrin, and piperonyl butoxide. Grab sample analyses have reporting limits in the parts-per-trillion range. The most frequently detected compound was piperonyl butoxide (42% of samples); its maximum concentration was 13 micrograms per liter.

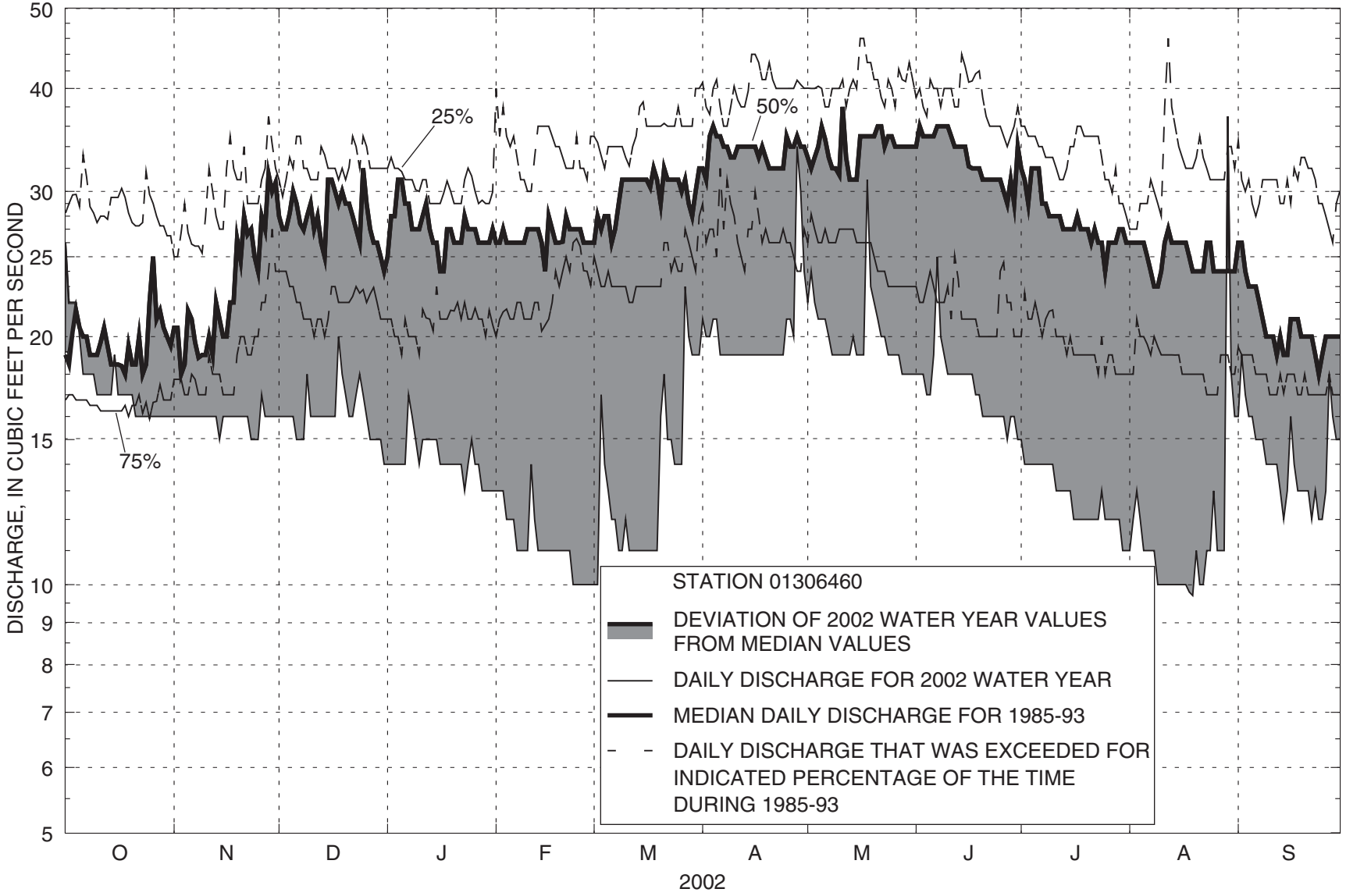

Figure 1.--Discharge data, Connectquot Brook near Central Islip, Water year 2002.

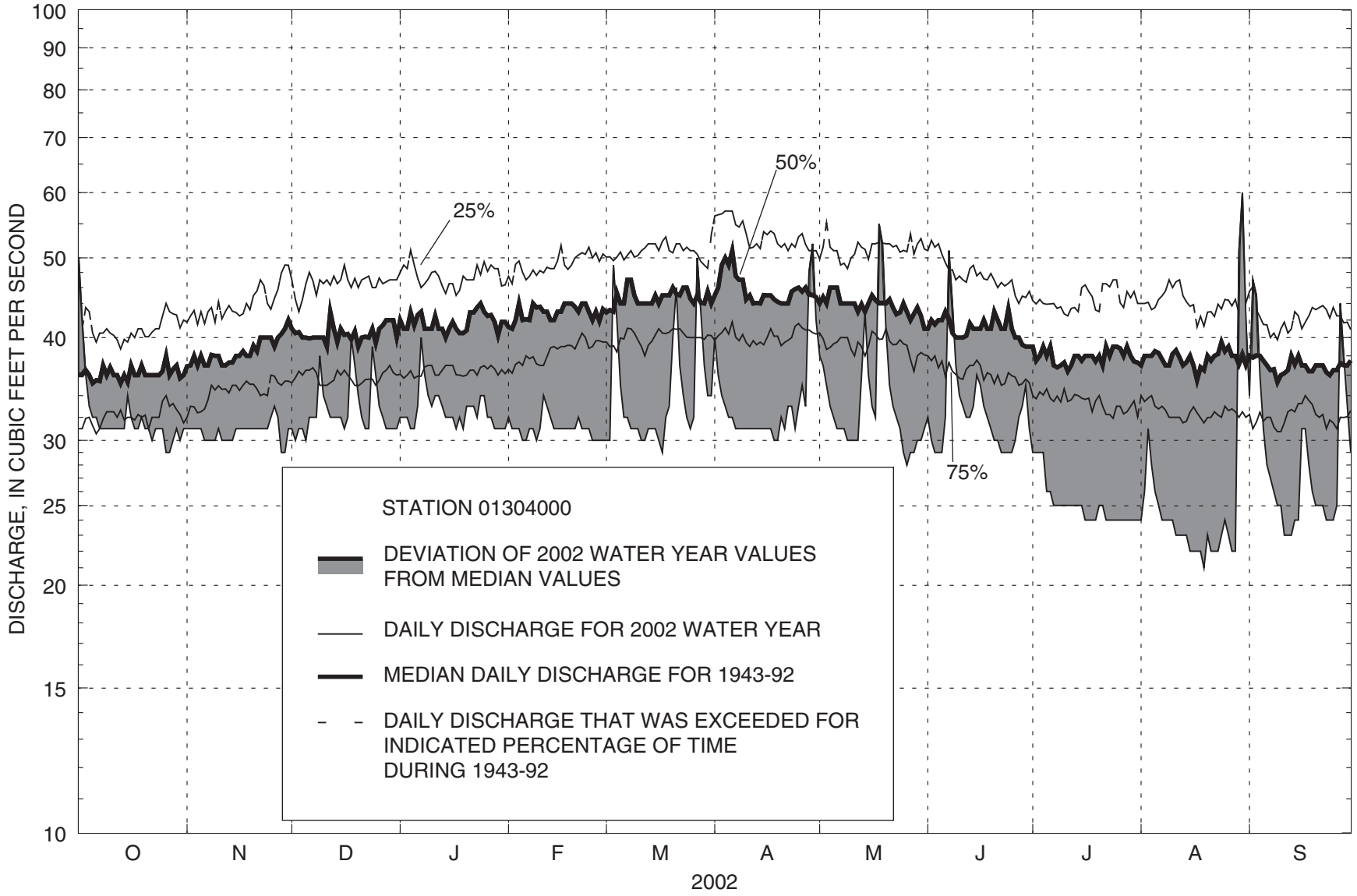

Figure 2.--Discharge data, Nissequogue River near Smithtown, Water year 2002.

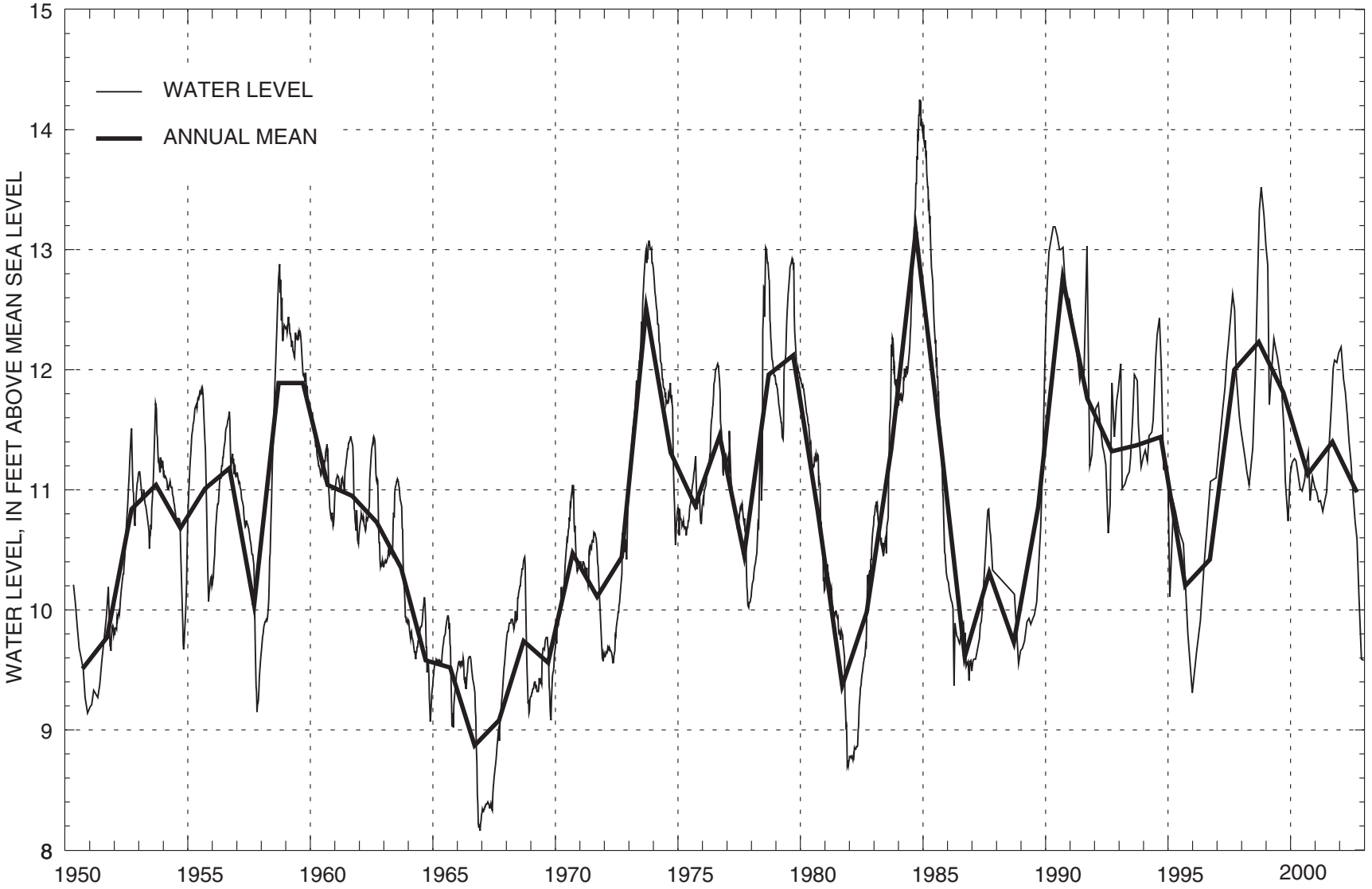

Figure 3.--Hydrograph of water-table observation well S4271 at Riverhead, N.Y., 1950-2002

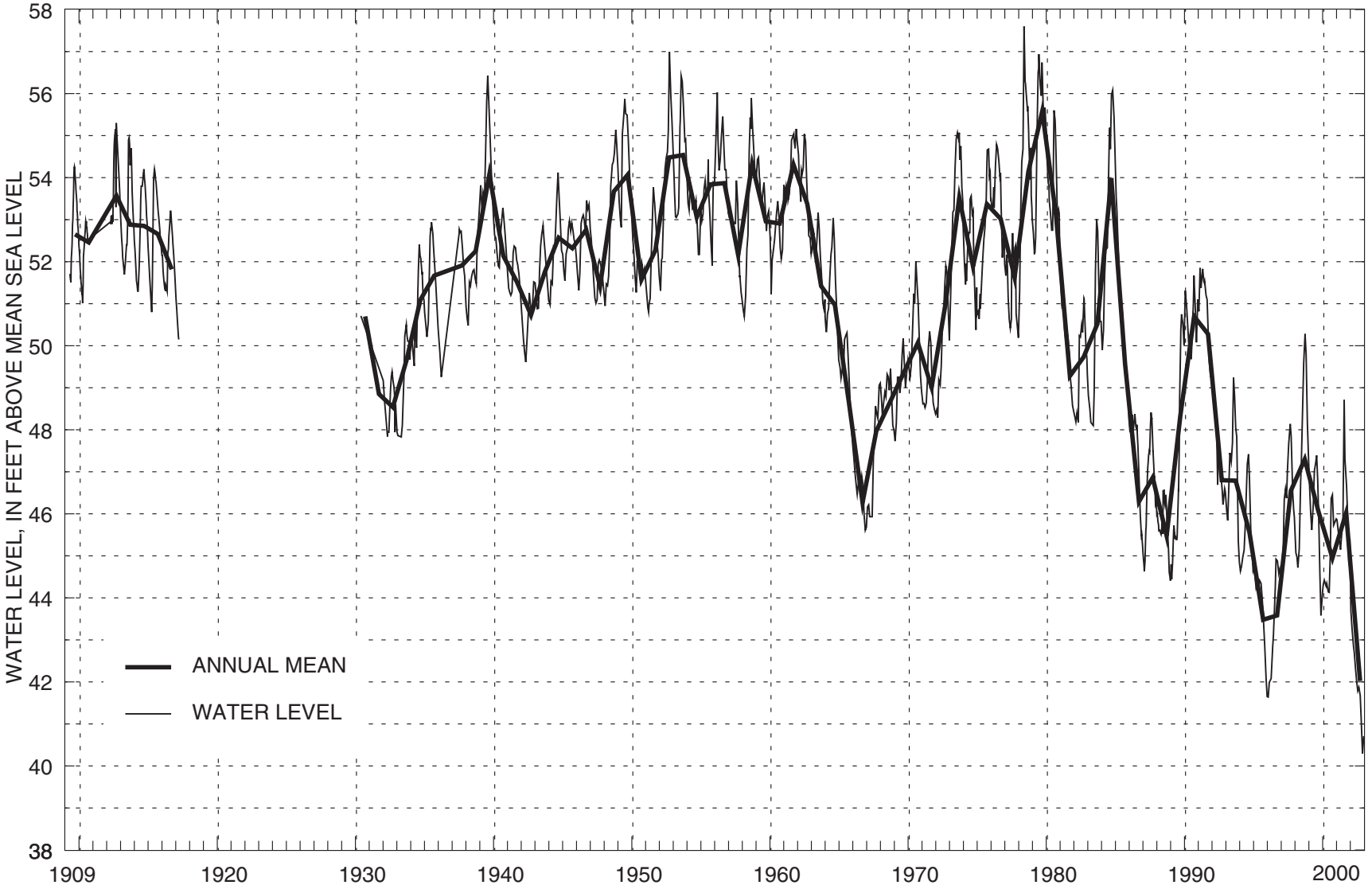

Figure 4.--Hydrograph of water-table observation well N1259 at Plainedge, N.Y., 1909-2002.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative of undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at http://bqs.usgs.gov/acidrain/.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the

study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2002 water year that began October 1, 2001, and ended September 30, 2002. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface water, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figures 6A, B, C, 7A, B, C, and 8A, B, C. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

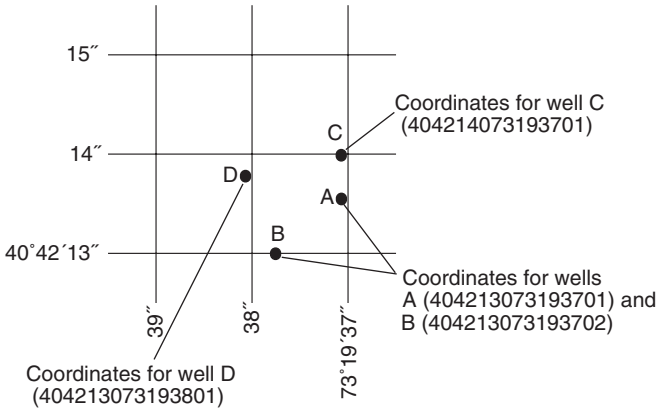

Figure 5. System for numbering wells (latitude and longitude).

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

Records of Stage and Water Discharge

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

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

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are

consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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

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

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

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

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

Data Presentation

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

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

Station Manuscript

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

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

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

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

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

GAGE.—The type of gage in current use, the datum of the current gage referred to sea level (see Definition of Terms), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, “Identifying Estimated Daily Discharge.”) If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented at the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect

natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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

AVERAGE DISCHARGE.—The discharge value given is the arithmetic mean of the water-year mean discharges. Only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless.

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

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

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

REVISIONS.—If errors in published water-quality records are discovered after publication, appropriate updates are made in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. 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 NWIS or NWISWeb to ensure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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.

Data Table of Daily Mean Values

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

observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of Monthly Mean Data

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

Summary Statistics

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

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

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

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

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

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

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

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

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

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

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

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

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

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

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

10 PERCENT EXCEEDS.—The discharge that is exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that is exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that is exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than

continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

The accuracy of lake- and tide-stage data depends primarily on the accuracy of the observations of stage and interpretations of records. Records of stage of estuaries also may be affected by seasonal changes in water density. The Coram Subdistrict has adopted the following standards for rating the accuracy of stage records. Stage records stated as "excellent" are, in general, believed to be accurate to within 0.02 ft; "good," to within 0.05 ft; and "fair," to within 0.1 ft. "Poor" means that daily values 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 on-site 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 on-site 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. A1, A3, and A4; Book 9, Chap. A1-A9. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

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

verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

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

Historical and current (2002) dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

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

Water Temperatures

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

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

Sediment

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

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations,

such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

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

Laboratory Measurements

Samples for indicator bacteria and daily samples for specific conductance are analyzed locally. Sediment samples are analyzed in the Geological Survey laboratory in Arvada, Colo. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapters C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Methylene Blue Active Substances

MBAS determinations made from January 1, 1970 through August 29, 1993, at the National Water Quality Laboratory in Denver (Analyzing Agency Code 80020) are positively biased. These data can be corrected by using the following equation, if concentrations of dissolved nitrate plus nitrite, as nitrogen, and dissolved chloride, determined concurrently with the MBAS data, are applied:

$$MBASCOR = M - 0.0088N - 0.00019C$$

where:

MBASCOR = corrected MBAS concentration, in mg/L;
M = reported MBAS concentration, in mg/L;
N = dissolved nitrate plus nitrite, as nitrogen, concentration, in mg/L; and
C = dissolved chloride concentration, in mg/L.

The detection limit of the new method is 0.02 mg/L, whereas the detection limit for the old method was 0.01 mg/L. A detection limit of 0.02 mg/L should be used with corrected MBAS data from January 1, 1970 through August 29, 1993.

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 in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of the U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to insure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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

Remark Codes

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

PRINTED OUTPUT	REMARK
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Quality-Control Data

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this district are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples.

BLANK SAMPLES.--Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. There are many types of blank samples possible, each designed to segregate a different part of the overall data-collection process. The types of blank samples collected by this district are:

Field blank - a blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Equipment blank - a blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Pump blank - a blank solution that is processed through the same pump-and-tubing system used for an environmental sample.

Filter blank - a blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

REFERENCE SAMPLES.--Reference material is a solution or material prepared by a laboratory whose composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties. All reference solutions were supplied by either the NWQL or the Ocala Water Quality Service Unit and analyzed for by the NWQL.

REPLICATE SAMPLES.--Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. There are many types of replicate samples possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent sample - A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating collection of samples into two or more compositing containers.

Sequential sample - A type of replicate sample in which the samples are collected one after the other, typically over a short period of time.

Split sample - A type of replicate sample in which a sample is split into subsamples contemporaneous in time and space.

Dissolved Trace-Element Concentrations

Note.—Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Data above the µg/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994. Full implementation of the protocols took place during the 1995 water year.

Records of Ground-Water Levels

Ground-water level data from a basic network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

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

Data Collection and Computation

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

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

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

A hydrograph of water levels follows the data table for some wells. The current year and the previous 9 years of record are plotted in feet above (or below) sea level. If the period of record is less than 10 years, the water levels for the entire record are plotted.

Records of Ground-Water Quality

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

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as part of a special study. As a result, the records for this year, by themselves, do not provide a balanced view of Long Island ground-water quality. Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for

the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

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

SELECTED RECENT U.S. GEOLOGICAL SURVEY PUBLICATIONS RELEVANT TO LONG ISLAND, NEW YORK

Barlow, P.M., and Wild, E.C., 2002, Bibliography on the occurrence and intrusion of saltwater in aquifers along the Atlantic Coast of the United States: U.S. Geological Survey Open-File Report 02-235, 30 p.

Brown, C.J., Colabufo, Steven, and Coates, J.D., 2002, Aquifer geochemistry and effects of pumping on ground-water quality at the Green Belt Parkway well field, Holbrook, Long Island, New York: U.S. Geological Survey Water-Resources Investigations Report 01-4025, 21 p.

Busciolano, Ronald, 2002, Water-table and potentiometric-surface altitudes of the upper glacial, Magothy, and Lloyd aquifers on Long Island, New York, in March-April 2000, with a summary of hydrogeologic conditions: U.S. Geological Survey Water-Resources Investigations Report 01-4165, 17 p., 6 sheets.

Butman, Bradford, 2002, Mapping the sea floor of the hisotric area remediation site (HARS) offshore of New York City: U.S. Geological Survey Fact Sheet 001-01, 4 p.

Capone, M.K. Hammar-Klose, E.S., Hill, J.C., and Schwab, W.C., 2002, Archive of sidescan-sonar data and DGPS navigation data collected during USGS cruise DIAN97011 Long Island, NY inner shelf-Fire Island, NY, 5 May-26 May 1997: U.S. Geological Survey Open-File Report 02-120, DVD-R disc on demand, 6 discs.

Cartwright, R.A., 2002, History and hydrologic effects of ground-water use in Kings, Queens, and western Nassau Counties, Long Island, New York, 1800's through 1997: U.S. Geological Survey Water-Resources Investigations Report 01-4096, 79 p.

Clark, R.N., Green, R.O., Swayze, G.A., Hoefen, T.M., Livo, K.E., Pavi, B., Sarcher, C., Boardman, J. and Vance, J.S., 2001, Images of the World Trade Center site show thermal hot spots on September 16 and 23, 2001: U.S. Geological Survey Open-File Report 01-405.

Clark, Roger, Meeker, Greg, Plumlee, Geoff, and Swayze, Gregg, 2002, USGS environmental studies of the World Trade Center area, New York City, after September 11, 2001: U.S. Geological Survey Fact Sheet 0050-02, 4 p.

Clawges, Rick, Rowe, Barbara, and Zogorski, John, 2001, National survey of MTBE and other VOCs in community drinking-water sources: U.S. Geological Survey Fact Sheet FS-064-01, 4 p.

de Vries, M.P., and Weiss, L.A., 2001, Salt-front movement in the Hudson River Estuary, New York--Simulations by one-dimensional flow and solute-transport models: U.S. Geological Survey Water-Resources Investigations Report 99-4024, 69 p.

Foster, D.S., Swift, B.A., and Schwab, W.C., [1999], Stratigraphic framework maps of the nearshore area of southern Long Island from Fire Island to Montauk Point, New York: U.S. Geological Survey Open-File Report 99-559, 2 pl.

Hill, J.C., Schwab, W.C., and Danforth, W.W., 2001, Archive of sidescan-sonar data and DGPS navigation data, collected during USGS cruise SEAX 96004, New York Bight, 1 May-9 June, 1996: U.S. Geological Survey Open-File Report 01-95, 12 CD-ROMs.

Hill, J.C., Schwab, W.C., and Foster, D.S., 2000, Archive of boomer subbottom data collected during USGS cruise DIAN 96040, Fire Island, New York, 4-15 September 1996: U.S. Geological Survey Open-File Report 00-467, 9 CD-ROMs.

Hill, J.C., Schwab, W.C., and Foster, D.S., 2000, Archive of datasonic SIS-1000 CHIRP subbottom data collected during USGS cruise DIAN 96040, Fire Island, New York, 4-24 September 1996: U.S. Geological Survey Open-File Report 00-366, 6 CD-ROMS.

Hill, J.C., Schwab, W.C., and Foster, D.S., 2000, Archive of water gun subbottom data collected during USGS cruise SEAX 96004, New York Bight, 1 May - 9 June 1996: U.S. Geological Survey Open-File Report 00-396, 1 CD-ROM.

Hill, J.C., Schwab, W.C., and Foster, D.S., 2001, Archive of datasonic SIS-1000 CHIRP subbottom data collected during USGS cruise SEAX 95007, New York Bight, 7-25 May 1995: U.S. Geological Survey Open-File Report 01-97, 2 CD-ROMs.

Hill, J.C., Schwab, W.C., and Foster, D.S., 2001, Archive of datasonic SIS-1000 CHIRP subbottom data collected during USGS cruise SEAX 96004, New York Bight, 1 May - 9 June 1996: U.S. Geological Survey Open-File Report 01-96, 3 CD-ROMs.

Hill, J.C., Thieler, E R., Nichols, D.R., and Williams, G.F., 2001, Archive of boomer subbottom data collected during USGS cruise FERL 98009, New York Bight, Raritan Bay, Long Island, 26 May-2 June, 1998: U.S. Geological Survey Open-File Report 01-47, 2 CD-ROMs.

Kontis, A.L., 2001, Computer program for simulation of variable recharge with the U.S. Geological Survey modular finite-difference ground-water flow model (MODFLOW): U.S. Geological Survey Open-File Report 00-173, 75 p.

Lumia, D.S., and Linsey, K.S., 2002, New York Water-Use Program and Data, 1995: U.S. Geological Survey Fact Sheet 014-02, 6 p.

Moran, Michael, Grady, Stephen, and Zgorski, John, 2001, Occurrence and distribution of volatile organic compounds in drinking water supplied by community water systems in the Northeast and Mid-Atlantic regions of the United States, 1993-98: U.S. Geological Survey Fact Sheet, FS-089-01, 4 p.

Moran, M.J., Lapham, W.W., Rowe, B.L., and Zogorski, J.S., 2002, Occurrence and status of volatile organic compounds in ground water from rural, untreated, self-supplied domestic wells in the United States, 1986-99: U.S. Geological Survey Water-Resources Investigations Report 02-4085, 51 p.

Mullaney, J.R., Schwarz, G.E., and Trench, E.C.T., 2002, Estimation of nitrogen yields and loads from basins draining to Long Island Sound, 1988-98: U.S. Geological Survey Water-Resources Investigations Report 02-4044, 84 p.

Phillips, P.J., Eckhardt, D.A., Freehafer, D.A., Wall, G.R., and Ingleston, H.H., 2002, Regional patterns of pesticide concentrations in surface waters of New York in 1997: Journal of the American Water Resources Association, v. 38, no. 3, p. 731-745.

Randall, A.D., 2001, Hydrogeologic framework of stratified-drift aquifers in the glaciated northeastern United States: U.S. Geological Survey Professional Paper 1415-B, 179 p., 1 pl.

Schwab, W.C., 2002, Sand distribution on the inner shelf south of Long Island, New York: U.S. Geological Survey Fact Sheet 136-01, 2 p.

Schwab, W.C., Denny, J.F., Butman, B., Danforth, W.W., Foster, D.S., Swift, B.A., Lotto, L.L., Allison, M.A., and Thieler, E.R., [2000], Sea-floor characterization offshore of the New York-New Jersey metropolitan area using sidescan-sonar: U.S. Geological Survey Open-File Report 00-295, 3 pl.

Schwab, W.C., Thieler, E.R., Denny, J.F., and Danforth, W.W., [2000], Sea-floor sediment distribution off southern Long Island, New York: U.S. Geological Survey Open-File Report 00-243, 2 pl.

Scorca, M.P. and Monti, Jack, Jr., 2001, Estimates of nitrogen loads entering Long Island Sound from ground water and streams on Long Island, New York, 1985-96: U.S. Geological Survey Water-Resources Investigations Report 00-4196, 29 p.

Stumm, Frederick, 2001, Hydrogeology and extent of saltwater intrusion of the Great Neck Peninsula, Great Neck, Long Island, New York, 2001: U.S. Geological Survey Water-Resources Investigations Report 99-4280, 41 p.

Stumm, Frederick, Chu, Anthony, Lange, A.D., Paillet, F.L., Williams, J.H., and Lane, J. W., Jr., 2001, Use of advanced borehole geophysical techniques to delineate fractured- rock ground-water flow and fractures along water-tunnel facilities in Northern Queens County, New York: U.S. Geological Survey Water-Resources Investigations Report 00-4276, 12 p.

Stumm, Frederick, Chu, Anthony, and Lange, A.D., 2001, Use of advanced borehole geophysical techniques to delineate fractured-rock ground-water flow, faults, foliation, and fractures along the western part of Manhattan, New York: U.S. Geological Survey Open-File Report 01-196, 46 p.

Stumm, Frederick, Chu, Anthony, and Reynolds, R.J., 2001, Delineation of tidal scour through marine geophysical techniques at Sloop Channel and Goose Creek Bridges, Jones Beach State Park, Long Island, New York: U.S. Geological Survey Water-Resources Investigations Report 00-4033, 23 p.

Stumm, Frederick, Lange, A.D., and Candela, J.L., 2002, Hydrogeology and extent of saltwater intrusion on Manhasset Neck, Nassau County, New York: U.S. Geological Survey Water-Resources Investigations Report 00-4193, 43 p.

ACCESS TO USGS WATER DATA

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

http://water/usgs.gov

Some water-quality and ground-water data are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources division District offices. (See address on the back of the title page.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Definitions of common terms such as algae, water level, and precipitation are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting inch/pound units to International System (SI) units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

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 at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also "Biomass" and "Dry weight")

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. 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.)

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that 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 collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

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. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas 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.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 foot) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

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 mass per unit area or volume of habitat.

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

Blue-green algae (*Cyanophyta*) 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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved solids content of the pore water and lithology and porosity of the rock.

Cells/volume refers to the number of cells of any organism that 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 volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

sphere $4/3\ \pi r^3$ cone $1/3\ \pi r^2 h$ cylinder $\pi r^2 h$.

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (μm^3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

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 BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warmblooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 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 a 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 that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

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.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the

bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

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

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

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. 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 upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, 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. (See also "Ash mass," "Biomass," and "Wet mass")

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 ˚C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria are commonly found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli *(E. coli)* are bacteria present in the intestine and feces of warmblooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 ˚C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) concentration value is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

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. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 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. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion

broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat are typically made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum\frac{(n)(a)}{N},$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

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

Inch (IN., in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all

of the runoff for a given time period were uniformly distributed on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. [Note: In several previous NWQL documents (NWQL Technical Memorandum 98.07, 1998), the LRL was called the nondetection value or NDV—a term that is no longer used.]

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_o e^{-\lambda L} \ ,$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e \frac{I}{I_o} \ .$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

Mean high or **low tide** is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates.

Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, µS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

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

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations**,** it does not necessarily represent local mean sea level at any particular place. *See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and United States first-order terrestrial leveling networks.

Open or **screened interval** is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic

mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

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 meter (m^2), acre, or hectare. 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 milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) 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, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

ClassificationSize (mm)Method of analysis

Clay>0.00024 - 0.004Sedimentation

Silt>0.004 - 0.062Sedimentation

Sand>0.062 - 2.0Sedimentation/sieve

Gravel>2.0 - 64.0Sieve

Cobble>64 - 256Manual measurement

Boulder>256Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, most of the organic matter 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.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or **percent of total** 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, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

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 commonly are known as algae. (See also "Plankton")

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

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 (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The carbon method defines 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 with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The oxygen method defines 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. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable from bed (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 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. (See also "Bed material")

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the

previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment 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 affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 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.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

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

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 lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate	3	26-50 percent
1	> 75 percen	4	5-25 percent
2	51-75 percent	5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) 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 undissolved material in a water-sediment mixture. It is defined operationally as the 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 suspended water-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 are 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 directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

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 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

Suspended, total is the total amount of a given constituent in the part of a water-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. 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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

Suspended solids, total residue at 105 ˚C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial 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:*Hexagenia*

Species:*Hexagenia limbata*

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

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 resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) 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 determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the 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."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight,

that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to U.S. EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the "2002 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

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.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

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

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are 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. (See also "Plankton")

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The USGS publishes a series of manuals titled the "Techniques of Water-Resources Investigations" that describe procedures for planning and conducting specialized work in water-resources investigations. The material in these manuals 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. Each chapter then is limited to a narrow field of the section subject matter. This publication format permits flexibility when revision or printing is required.

Manuals in the Techniques of Water-Resources Investigations series, which are listed below, are available online at http://water.usgs.gov/pubs/twri/. Printed copies are available for sale from the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (an authorized agent of the Superintendent of Documents, Government Printing Office). Please telephone "1-888-ASK-USGS" for current prices, and refer to the title, book number, section number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Other products can be viewed online at http://www.usgs.gov/sales.html, or ordered by telephone or by FAX to (303)236-4693. Order forms for FAX requests are available online at http://mac.usgs.gov/isb/pubs/forms/. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

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3–A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 p.

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, chap. A9. 1989. 27 p.

3–Al0. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 p.

3–A11. *Measurement of discharge by the moving-boat method,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.

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Section B. Ground-Water Techniques

3–B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.

3–B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 p.

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3–B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 p.

3–B4. *Supplement 1. Regression modeling of ground-water flow—Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems,* by R.L. Cooley: USGS–TWRI book 3, chap. B4. 1993. 8 p.

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, chap. B5. 1987. 15 p.

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Section A. Statistical Analysis

4–A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 p.

4–A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 p.

4–A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS–TWRI book 4, chap. A3. 1991. Available only online at http://water.usgs.gov/pubs/twri/twri4a3/. (Accessed August 30, 2002.)

Section B. Surface Water

4–B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 p.

4–B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 p.

4–B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 p.

Section D. Interrelated Phases of the Hydrologic Cycle

4–D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

Book 5. Laboratory Analysis

Section A. Water Analysis

5–A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.

5–A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 p.

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, chap. A3. 1987. 80 p.

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, chap. A4. 1989. 363 p.

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, chap. A5. 1977. 95 p.

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, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

5–C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 p.

Book 6. Modeling Techniques

Section A. Ground Water

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

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, chap. A2. 1991. 68 p.

6–A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 p.

6–A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R.L. Cooley: USGS–TWRI book 6, chap. A4. 1992. 108 p.

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

6–A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS–TWRI book 6, chap. A6. 1996. 125 p.

6–A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow*, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7. 2002. 77 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

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, chap. C1. 1976. 116 p.

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, chap. C2. 1978. 90 p.

7–C3. *A model for simulation of flow in singular and interconnected channels,* by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 p.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8–A1. *Methods of measuring water levels in deep wells,* by M.S. Garber and F.C. Koopman: USGS–TWRI book 8, chap. A1. 1968. 23 p.

8–A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 p.

Section B. Instruments for Measurement of Discharge

8–B2. *Calibration and maintenance of vertical-axis type current meters,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 p.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

9–A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.

9–A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

9–A4. *National field manual for the collection of water-quality data: Collection of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

9–A5. *National field manual for the collection of water-quality data: Processing of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.

9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.

9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.

9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 p.

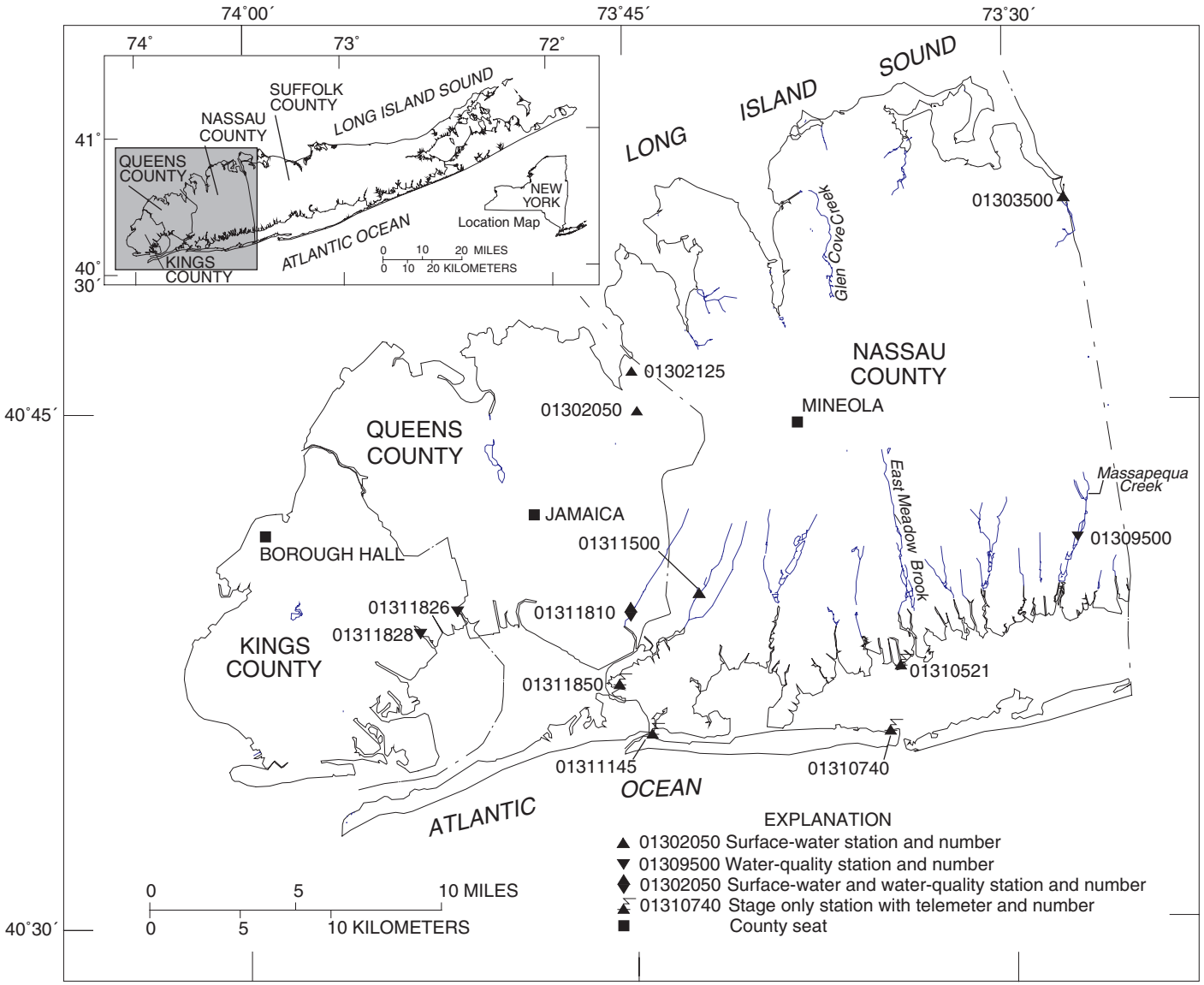


FIGURE 6A.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

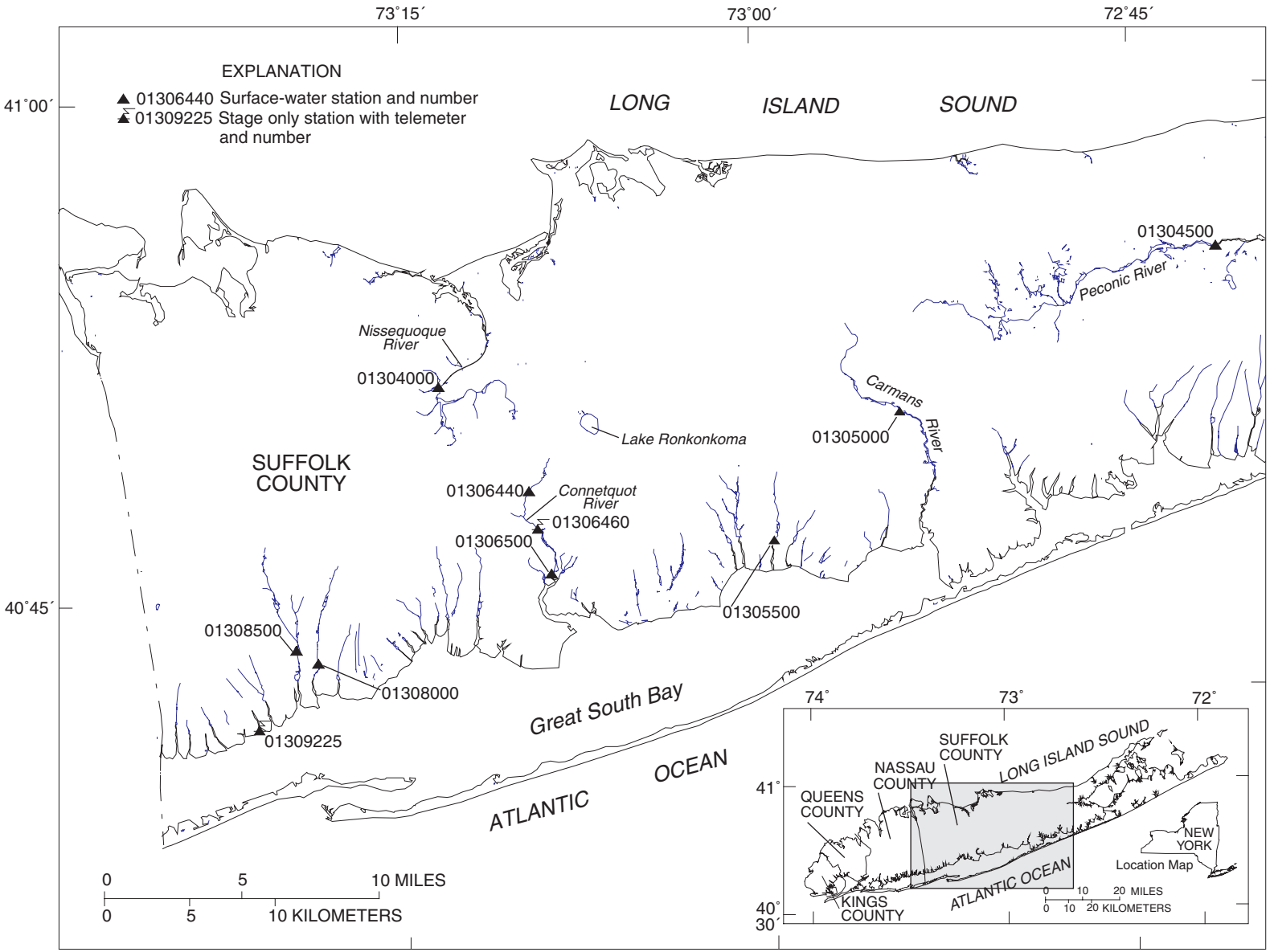


FIGURE 6B.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

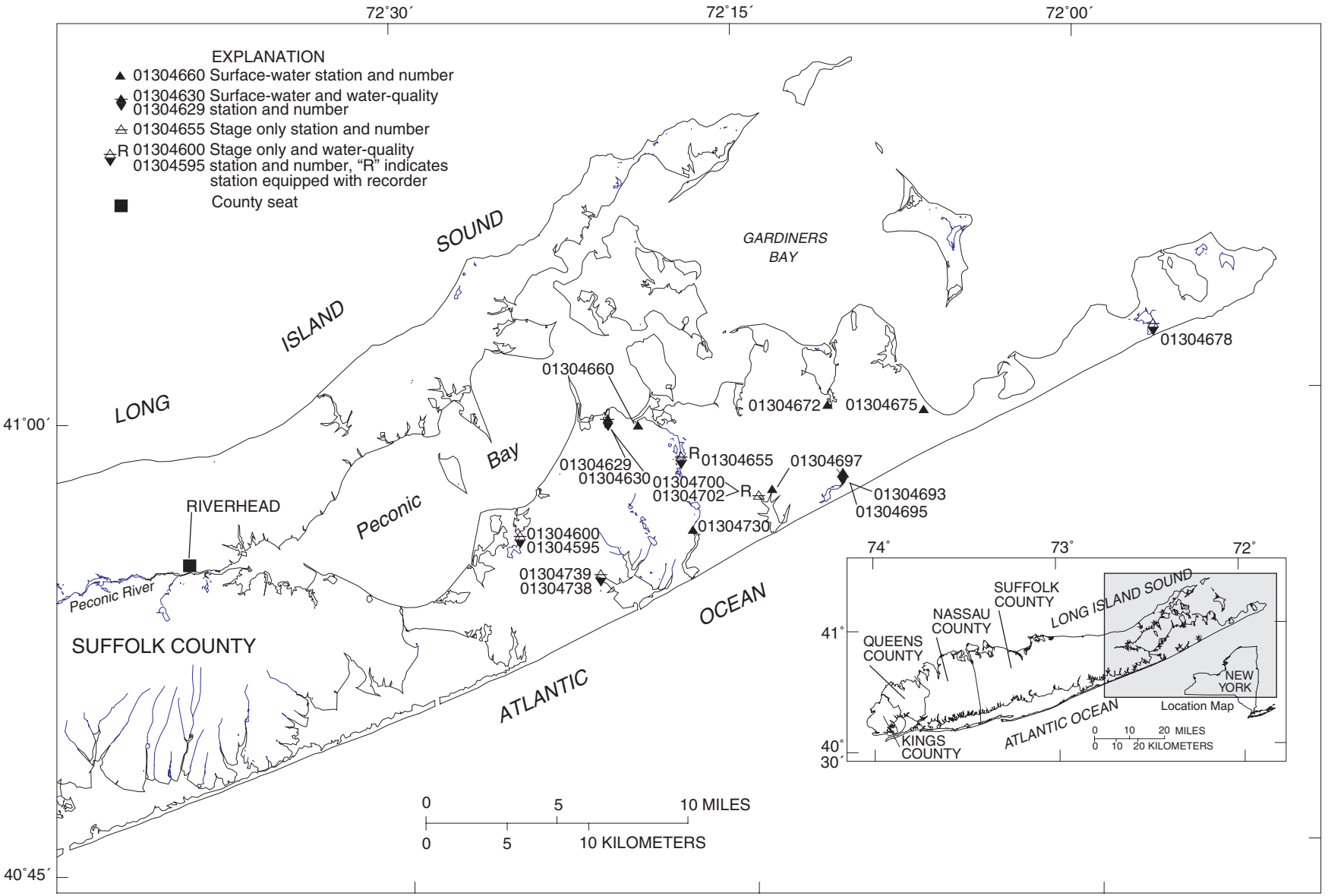


FIGURE 6C.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

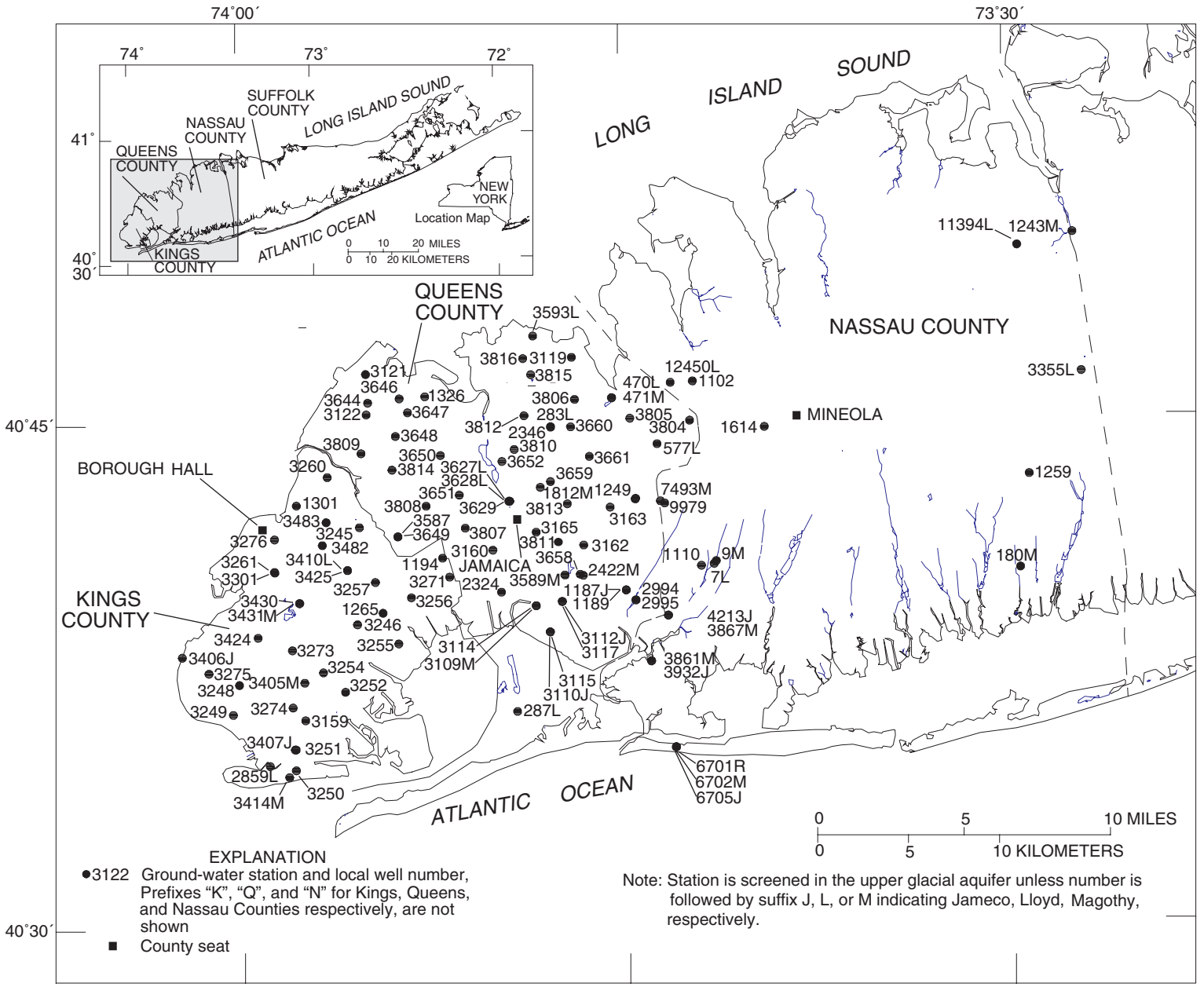


FIGURE 7A.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

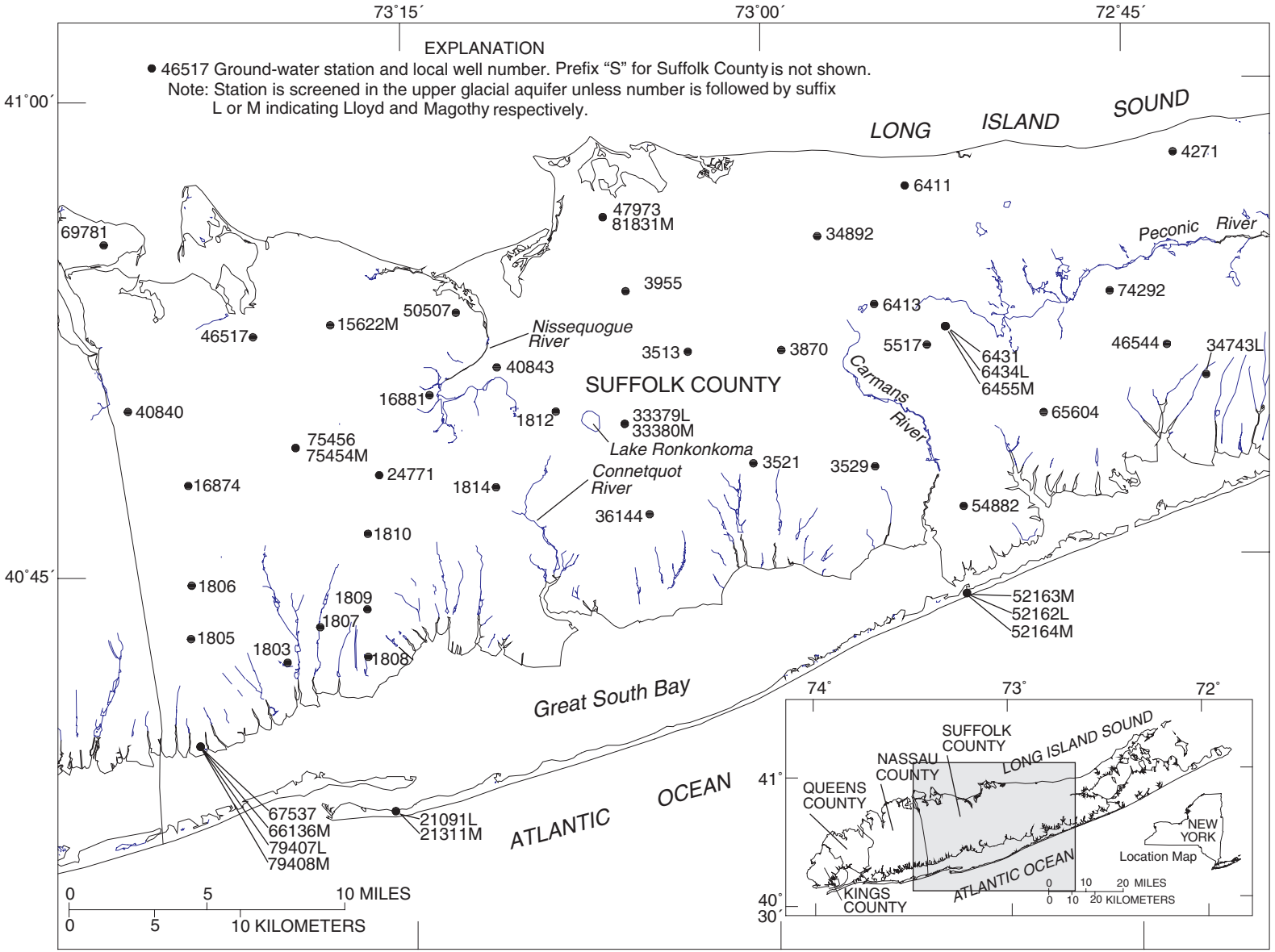


FIGURE 7B.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

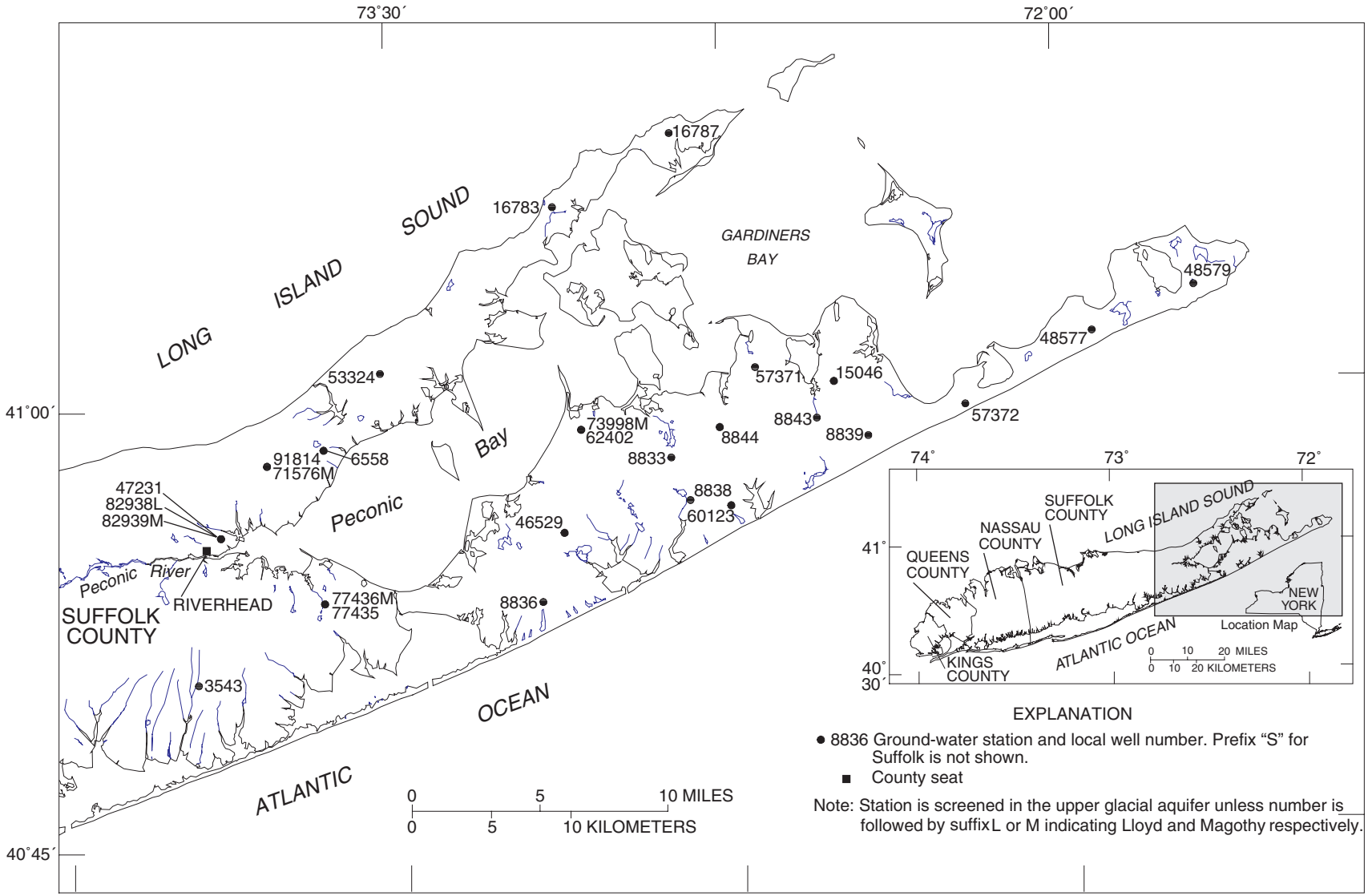


FIGURE 7C.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

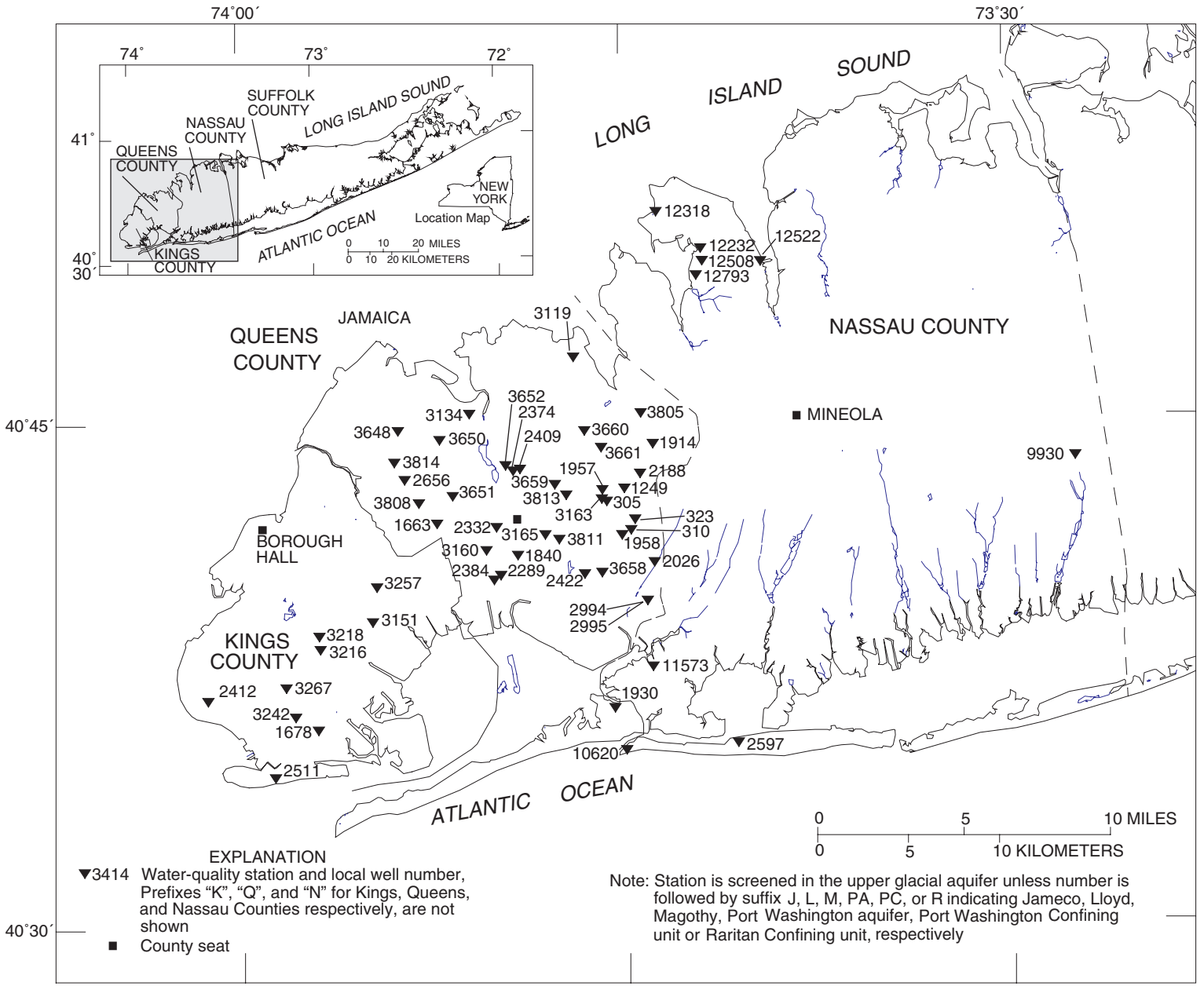


FIGURE 8A.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

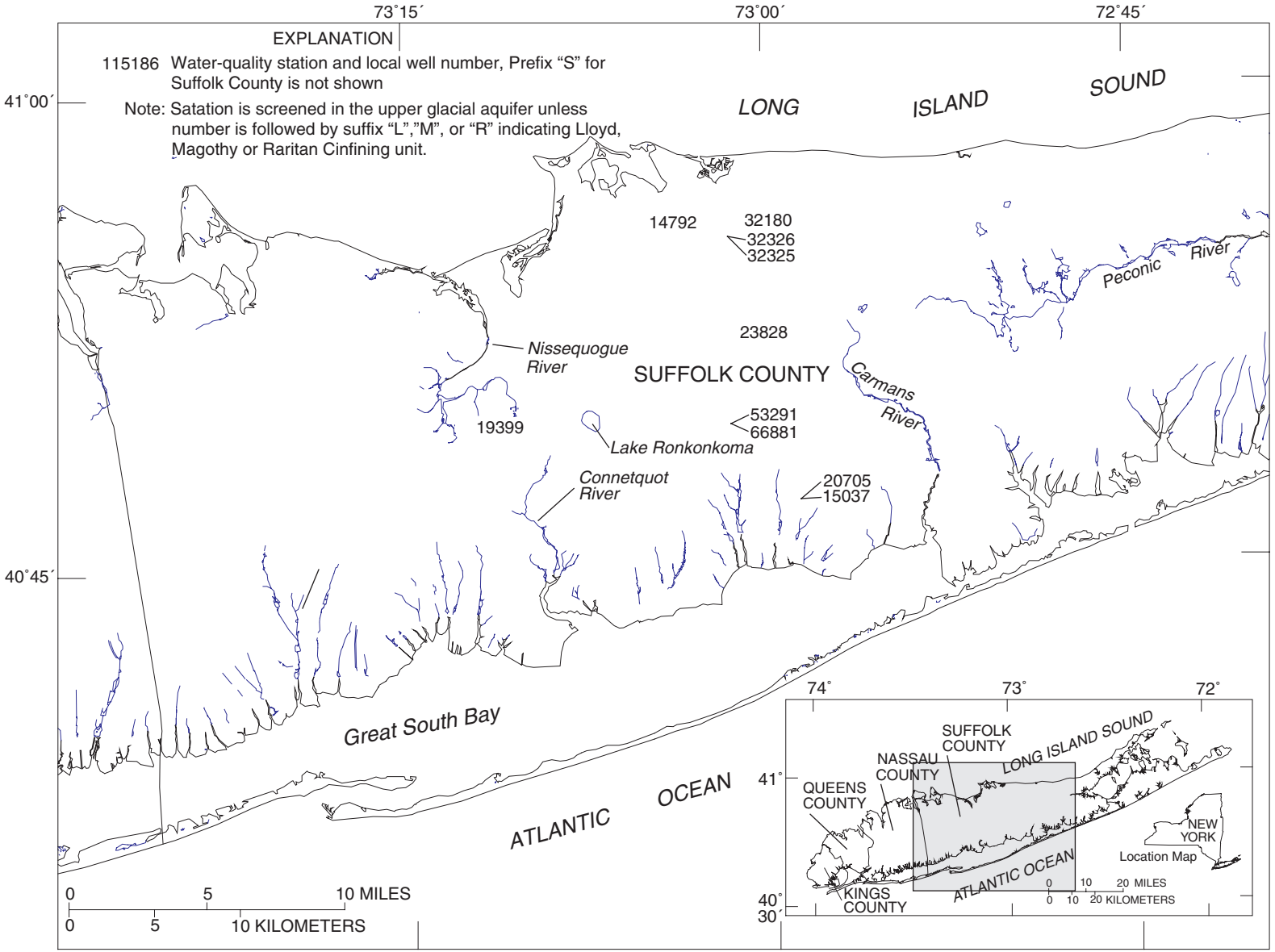


FIGURE 8B.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

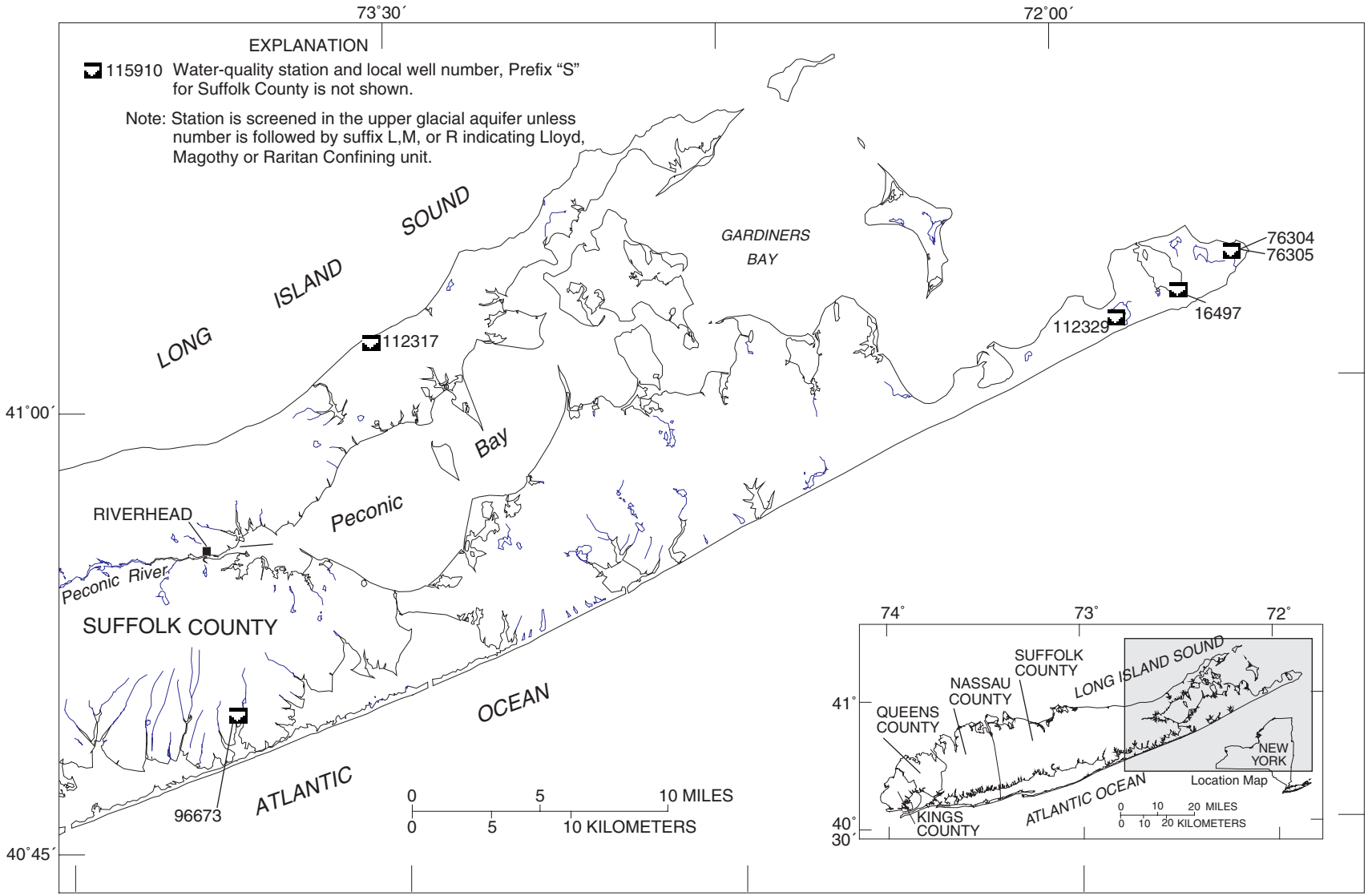


FIGURE 8C.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY

LOCATION.--Lat 40°45'21", long 73°44'47", Queens County, Hydrologic Unit 02030201, on right bank just upstream from Cross Island Parkway entrance ramp, at upstream side of 8- x 9-foot concrete culvert in Alley Pond Park, about 4.0 mi northeast of Oakland Gardens.

DRAINAGE AREA.--About 1.6 mi^2.

PERIOD OF RECORD.--June 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.26 ft above NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge,354 ft^3/s, Oct. 19, 1996, gage height, 5.09 ft, from rating curve extended above 60 ft^3/s; maximum gage height, 6.17 ft, Oct. 19, 1996, result of high tide; minimum discharge, 0.66 ft^3/s, for part or all of many days 1995-97.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 91 ft^3/s, Aug. 29, gage height, 2.64 ft; minimum discharge, 0.82 ft^3/s, part of each day June 29, July 2-4, 10, 12, 16, 22-25, 29; gage height, 0.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	0.92	1.1	1.1	1.1	1.0	e1.2	1.1	1.3	1.0	0.96	1.2
2	0.92	0.92	1.1	1.1	1.1	e1.5	e1.0	1.7	1.0	0.91	1.6	9.1
3	0.92	0.92	1.1	1.1	1.1	e3.0	e1.0	1.1	1.0	0.93	1.2	1.5
4	0.92	0.92	1.1	1.1	1.1	e1.0	e1.0	1.1	1.0	0.94	0.98	1.1
5	0.92	0.92	1.1	1.1	1.1	e1.0	e1.0	1.1	1.0	0.95	0.98	1.1
6	0.94	0.92	1.1	1.9	1.1	e1.0	e1.0	1.1	3.1	0.96	1.0	1.1
7	0.92	0.92	1.2	1.6	1.1	e1.0	e1.0	1.1	3.0	0.97	1.0	1.1
8	0.92	0.92	1.5	1.1	1.1	e1.0	e1.1	1.1	1.1	0.97	1.0	1.1
9	0.92	0.92	1.9	1.2	1.1	e1.0	e1.2	1.1	1.1	1.2	1.0	1.1
10	0.92	0.92	1.1	1.1	1.1	e1.0	e1.1	1.1	1.0	1.0	1.1	1.1
11	0.92	0.92	1.1	1.4	1.6	e1.2	e1.1	1.1	1.0	1.0	1.1	1.1
12	0.92	0.92	1.1	1.1	1.1	e1.1	1.1	1.1	1.1	1.0	1.1	1.1
13	0.92	0.92	1.1	1.1	1.1	e1.3	1.1	e2.0	1.1	0.95	1.1	1.1
14	0.92	0.93	1.1	1.1	1.1	e1.0	1.1	e1.5	1.6	0.97	1.1	1.1
15	1.1	0.93	1.1	1.1	1.1	e1.0	1.1	1.1	1.1	1.0	1.1	1.9
16	0.92	0.93	1.1	1.1	1.1	e1.0	1.1	1.1	1.1	0.92	1.8	1.2
17	0.92	0.93	1.2	1.1	1.1	e1.0	1.1	1.1	1.1	0.92	1.2	1.1
18	0.92	0.92	2.2	1.1	1.1	e1.5	1.1	3.8	1.0	1.0	1.1	1.1
19	0.92	0.92	1.1	1.1	1.1	e1.0	1.5	1.1	1.0	1.1	1.1	1.1
20	0.92	0.93	1.1	1.2	1.1	e3.0	1.1	1.1	1.1	0.92	1.8	1.1
21	0.92	0.92	1.1	1.3	1.1	e1.0	1.1	1.1	0.99	0.92	1.0	1.1
22	0.92	0.92	1.1	1.1	1.1	e1.0	1.6	1.2	0.99	0.95	1.1	1.1
23	0.92	0.92	1.1	1.1	1.1	e1.0	1.1	1.1	1.0	0.95	1.1	1.1
24	0.92	0.93	1.9	1.6	1.1	e1.0	1.1	1.1	1.0	0.94	1.7	1.1
25	0.92	1.1	1.1	1.1	1.1	e1.0	1.7	1.1	0.99	0.94	1.4	1.1
26	0.92	1.1	1.1	1.1	1.0	e1.0	1.1	1.1	1.0	0.95	1.1	2.0
27	0.92	1.1	1.1	1.1	0.99	e2.0	1.1	1.1	1.5	0.99	1.0	e2.0
28	0.92	1.1	1.1	1.1	1.0	e1.0	4.4	1.1	1.3	0.96	1.0	1.7
29	0.92	1.3	1.1	1.1	---	e1.0	1.4	1.1	0.94	0.98	8.6	1.1
30	0.92	1.1	1.1	1.1	---	e1.0	1.3	1.1	0.93	0.96	1.3	1.1
31	0.92	---	1.1	1.1	---	e1.3	---	1.5	---	0.96	1.1	---
TOTAL	28.80	28.94	37.4	36.6	30.99	37.90	37.9	39.2	36.44	30.11	43.72	44.8
MEAN	0.93	0.96	1.21	1.18	1.11	1.22	1.26	1.26	1.21	0.97	1.41	1.49
MAX	1.1	1.3	2.2	1.9	1.6	3.0	4.4	3.8	3.1	1.2	8.6	9.1
MIN	0.92	0.92	1.1	1.1	0.99	1.0	1.0	1.1	0.93	0.91	0.96	1.1

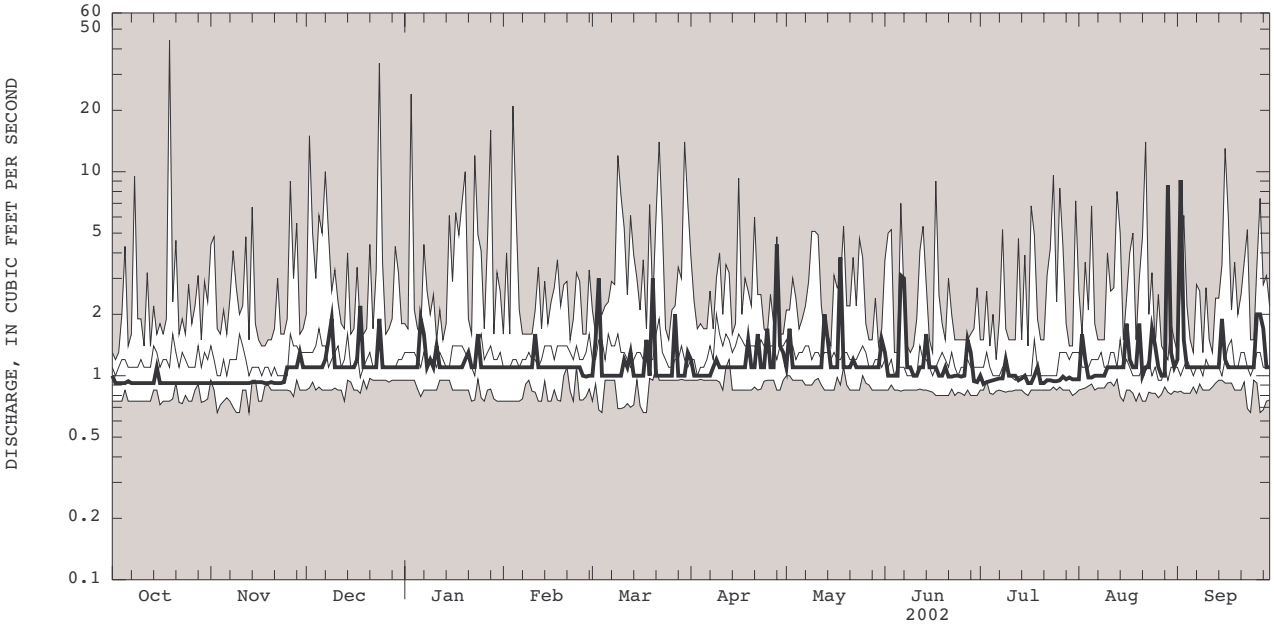
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	1.39	1.35	1.60	1.64	1.44	1.66	1.49	1.43	1.29	1.30	1.38	1.40
MAX	2.91	1.83	2.30	2.49	1.98	2.90	1.87	1.85	1.79	1.62	1.73	1.71
(WY)	1997	1998	1997	1999	1998	2001	1997	1998	2001	1997	1997	1999
MIN	0.93	0.96	1.02	1.18	0.93	1.07	1.04	0.98	0.94	0.93	0.95	1.10
(WY)	2002	2002	1996	1997	1996	1995	1995	1995	1995	1993	1995	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	542.11		432.80			
ANNUAL MEAN	1.49		1.19		1.46	
HIGHEST ANNUAL MEAN					1.76	1998
LOWEST ANNUAL MEAN					1.19	2002
HIGHEST DAILY MEAN	14	Mar 22	9.1	Sep 2	44	Oct 19 1996
LOWEST DAILY MEAN	0.91	Sep 5	0.91	Jul 2	0.66	Sep 24 1995
ANNUAL SEVEN-DAY MINIMUM	0.92	Aug 28	0.92	Oct 7	0.73	Sep 27 1995
10 PERCENT EXCEEDS	2.1		1.5		2.0	
50 PERCENT EXCEEDS	1.3		1.1		1.1	
90 PERCENT EXCEEDS	0.92		0.92		0.89	

e Estimated

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01302125 GABBLERS CREEK AT LITTLE NECK, NY

LOCATION.--Lat 40°46'25", long 73°44'39", Queens County, Hydrologic Unit 02030201, on left bank just downstream from Sandyhill Road, at downstream side of 3-foot concrete culvert in Udalls Park Preserve, in Little Neck.

DRAINAGE AREA.--About 2.2 mi^2.

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 9.00 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76 ft^3/s, Jan. 3, 1999, gage height, 3.35 ft, from flood marks, from rating curve extended above 30 ft^3/s; minimum 0.03 ft^3/s, part or all of each day Nov.12, 29, Dec. 5-9, 2001; minimum gage height, 0.33 ft, Sept. 6, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55 ft^3/s, Aug. 29, gage height 2.81 ft; minimum, 0.03 ft^3/s, part or all of each day Nov. 12, 29, Dec. 5-9; minimum gage height, 0.38 ft, many days March to June.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

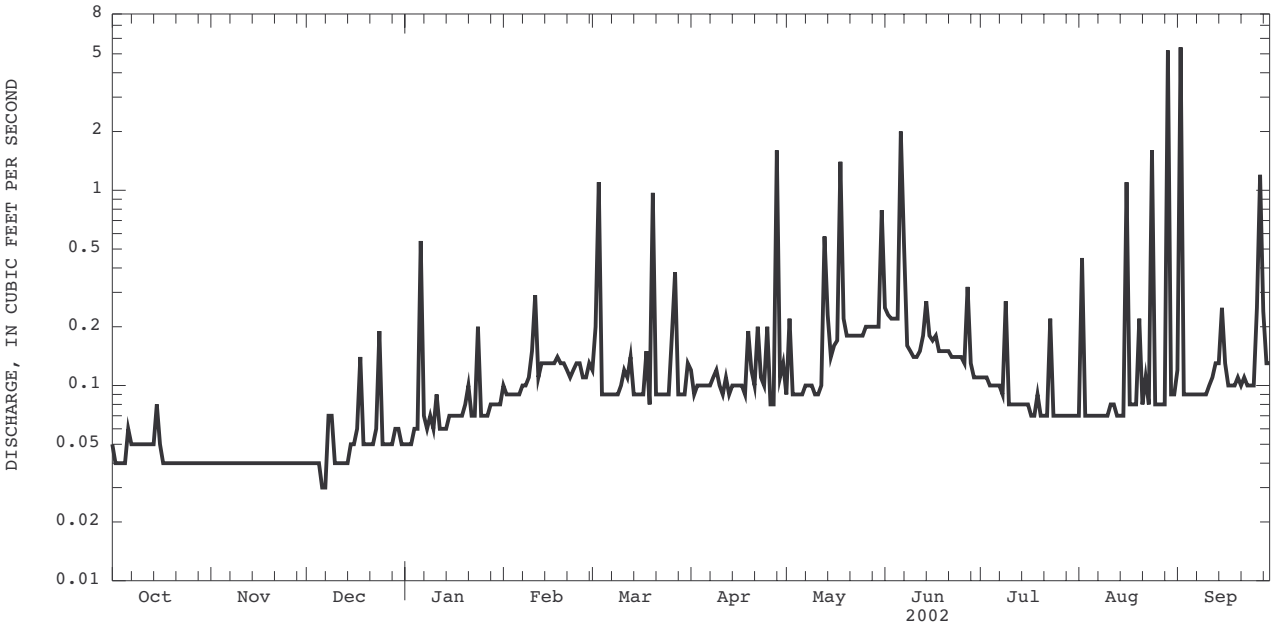
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.04	0.04	0.05	0.10	0.12	0.12	0.09	0.25	0.11	0.07	0.12
2	0.04	0.04	0.04	0.05	0.09	0.20	0.09	0.22	0.23	0.11	0.45	5.4
3	0.04	0.04	0.04	0.05	0.09	1.1	0.10	0.09	0.22	0.11	0.07	0.09
4	0.04	0.04	0.04	0.06	0.09	0.09	0.10	0.09	0.22	0.10	0.07	0.09
5	0.04	0.04	0.04	0.06	0.09	0.09	0.10	0.09	0.22	0.10	0.07	0.09
6	0.06	0.04	0.03	0.55	0.09	0.09	0.10	0.09	2.0	0.10	0.07	0.09
7	0.05	0.04	0.03	0.07	0.10	0.09	0.10	0.10	0.53	0.10	0.07	0.09
8	0.05	0.04	0.07	0.06	0.10	0.09	0.11	0.10	0.16	0.09	0.07	0.09
9	0.05	0.04	0.07	0.07	0.11	0.09	0.12	0.10	0.15	0.27	0.07	0.09
10	0.05	0.04	0.04	0.06	0.15	0.10	0.10	0.09	0.14	0.08	0.07	0.09
11	0.05	0.04	0.04	0.09	0.29	0.12	0.09	0.09	0.14	0.08	0.08	0.10
12	0.05	0.04	0.04	0.06	0.11	0.11	0.11	0.10	0.15	0.08	0.08	0.11
13	0.05	0.04	0.04	0.06	0.13	0.14	0.09	0.58	0.18	0.08	0.07	0.13
14	0.05	0.04	0.04	0.06	0.13	0.09	0.10	0.23	0.27	0.08	0.07	0.13
15	0.08	0.04	0.05	0.07	0.13	0.09	0.10	0.14	0.18	0.08	0.07	0.25
16	0.05	0.04	0.05	0.07	0.13	0.09	0.10	0.16	0.17	0.08	1.1	0.13
17	0.04	0.04	0.06	0.07	0.13	0.09	0.10	0.17	0.18	0.07	0.08	0.10
18	0.04	0.04	0.14	0.07	0.14	0.15	0.09	1.4	0.15	0.07	0.08	0.10
19	0.04	0.04	0.05	0.07	0.13	0.08	0.19	0.22	0.15	0.09	0.08	0.10
20	0.04	0.04	0.05	0.08	0.13	0.97	0.12	0.18	0.15	0.07	0.22	0.11
21	0.04	0.04	0.05	0.10	0.12	0.09	0.10	0.18	0.15	0.07	0.08	0.10
22	0.04	0.04	0.05	0.07	0.11	0.09	0.20	0.18	0.14	0.07	0.11	0.11
23	0.04	0.04	0.06	0.07	0.12	0.09	0.11	0.18	0.14	0.22	0.08	0.10
24	0.04	0.04	0.19	0.20	0.13	0.09	0.10	0.18	0.14	0.07	1.6	0.10
25	0.04	0.04	0.05	0.07	0.13	0.09	0.20	0.18	0.14	0.07	0.08	0.10
26	0.04	0.04	0.05	0.07	0.11	0.18	0.08	0.20	0.13	0.07	0.08	0.25
27	0.04	0.04	0.05	0.07	0.11	0.38	0.08	0.20	0.32	0.07	0.08	1.2
28	0.04	0.04	0.05	0.08	0.13	0.09	1.6	0.20	0.13	0.07	0.08	0.24
29	0.04	0.04	0.06	0.08	---	0.09	0.11	0.20	0.11	0.07	5.2	0.13
30	0.04	0.04	0.06	0.08	---	0.09	0.13	0.20	0.11	0.07	0.09	0.13
31	0.04	---	0.05	0.08	---	0.13	---	0.79	---	0.07	0.09	---
TOTAL	1.40	1.20	1.72	2.75	3.42	5.40	4.84	7.02	7.35	2.87	10.58	9.96
MEAN	0.045	0.040	0.055	0.089	0.12	0.17	0.16	0.23	0.24	0.093	0.34	0.33
MAX	0.08	0.04	0.19	0.55	0.29	1.1	1.6	1.4	2.0	0.27	5.2	5.4
MIN	0.04	0.04	0.03	0.05	0.09	0.08	0.08	0.09	0.11	0.07	0.07	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	0.11	0.13	0.15	0.24	0.16	0.29	0.23	0.30	0.29	0.18	0.27	0.31
MAX	0.17	0.19	0.22	0.48	0.21	0.45	0.31	0.50	0.42	0.41	0.34	0.39
(WY)	2001	2001	2001	1999	2001	2001	2000	1999	2000	2000	2002	2000
MIN	0.045	0.040	0.055	0.089	0.12	0.17	0.16	0.16	0.14	0.081	0.11	0.15
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	1999	1999	1999	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	71.12		58.51			
ANNUAL MEAN	0.19		0.16		0.22	
HIGHEST ANNUAL MEAN					0.26	2000
LOWEST ANNUAL MEAN					0.16	2002
HIGHEST DAILY MEAN	4.1	Aug 13	5.4	Sep 2	9.0	Jan 3 1999
LOWEST DAILY MEAN	0.03	Dec 6	0.03	Dec 6	0.03	Dec 6 2001
ANNUAL SEVEN-DAY MINIMUM	0.04	Dec 1	0.04	Dec 1	0.04	Dec 1 2001
10 PERCENT EXCEEDS	0.22		0.20		0.24	
50 PERCENT EXCEEDS	0.13		0.09		0.14	
90 PERCENT EXCEEDS	0.04		0.04		0.07	

01302125 GABBLERS CREEK AT LITTLE NECK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

LOCATION.-Lat 40°51'26", long 73°27'15", Nassau County, Hydrologic Unit 02030201, on left bank 270 ft upstream from State Highway 25A, at Cold Spring Harbor Fish Hatchery, and 1.0 mi southwest of village of Cold Spring Harbor.

DRAINAGE AREA.-About 7.3 mi^2.

PERIOD OF RECORD.-July 1950 to current year.

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

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

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

EXTREMES FOR PERIOD OF RECORD.-Maximum discharge, 181 ft^3/s, Jan. 21, 1979, gage height, 1.99 ft, result of regulation, from rating curve extended above 80 ft^3/s; maximum gage height, 5.34 ft, Aug. 31, 1954, backwater from high tide, from high-water mark; minimum discharge, 0.20 ft^3/s, part or all of each day Jan. 24-27, 1967, gage height, 0.07 ft.

EXTREMES FOR CURRENT YEAR.-Maximum discharge, 114 ft^3/s, June 26, gage height 1.59 ft; minimum discharge, 0.32 ft^3/s, May 30, 31; minimum gage height, 0.10 ft, Aug. 14, 16, 18, 19, 20, Sept. 12, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

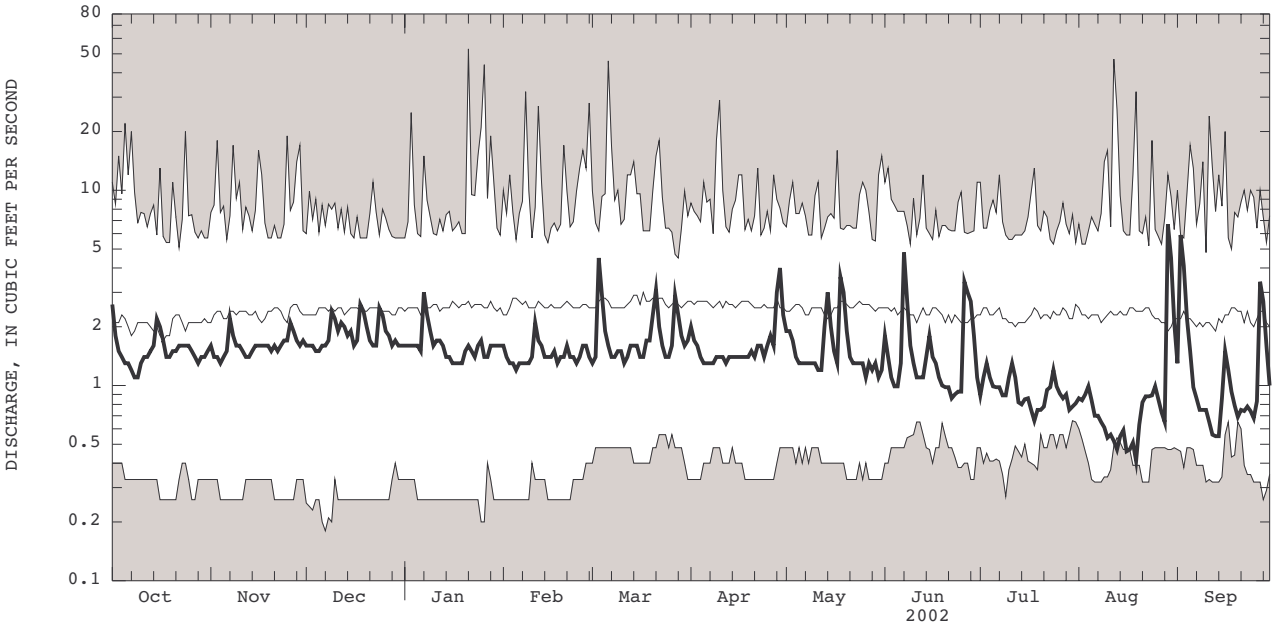
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.6	1.6	1.6	1.6	1.3	2.0	1.9	1.8	0.89	0.86	1.3
2	1.8	1.4	1.6	1.6	1.4	1.4	1.7	1.9	1.4	1.1	0.84	5.9
3	1.5	1.4	1.6	1.6	1.3	4.5	1.6	1.7	1.1	1.3	0.90	4.1
4	1.4	1.3	1.5	1.6	1.3	2.9	1.4	1.4	0.99	1.1	0.99	2.2
5	1.3	1.4	1.5	1.6	1.2	1.9	1.3	1.3	0.99	0.99	0.84	1.5
6	1.3	1.5	1.6	1.5	1.3	1.6	1.3	1.3	1.3	0.98	0.70	0.98
7	1.2	2.2	1.6	3.0	1.3	1.4	1.3	1.3	4.8	0.98	0.70	0.86
8	1.1	1.8	1.7	2.3	1.3	1.4	1.3	1.3	2.7	0.89	0.65	0.75
9	1.1	1.6	2.4	1.9	1.3	1.5	1.4	1.3	1.6	0.89	0.61	0.75
10	1.3	1.6	2.2	1.6	1.4	1.5	1.4	1.3	1.3	1.1	0.54	0.75
11	1.4	1.5	1.9	1.7	2.1	1.3	1.4	1.2	1.1	1.3	0.56	0.65
12	1.4	1.4	2.1	1.7	1.7	1.4	1.3	1.2	1.1	1.1	0.52	0.56
13	1.5	1.4	2.0	1.6	1.6	1.6	1.4	2.0	1.1	0.82	0.47	0.55
14	1.6	1.5	1.8	1.4	1.4	1.6	1.4	3.0	1.4	0.80	0.55	0.55
15	2.2	1.6	1.9	1.4	1.4	1.6	1.4	2.0	1.8	0.85	0.59	0.86
16	2.0	1.6	1.6	1.3	1.4	1.4	1.4	1.5	1.4	0.86	0.46	1.5
17	1.7	1.6	1.7	1.3	1.5	1.4	1.4	1.3	1.3	0.75	0.47	1.2
18	1.4	1.6	2.6	1.3	1.3	1.7	1.4	3.6	1.1	0.66	0.51	0.93
19	1.4	1.6	2.4	1.3	1.4	1.7	1.4	3.0	1.0	0.75	0.41	0.79
20	1.5	1.5	2.0	1.5	1.4	2.3	1.5	1.9	0.98	0.75	0.63	0.69
21	1.5	1.6	1.7	1.6	1.6	3.1	1.4	1.4	0.98	0.78	0.82	0.75
22	1.6	1.5	1.6	1.5	1.4	2.0	1.6	1.3	0.86	0.95	0.88	0.74
23	1.6	1.6	1.6	1.4	1.4	1.6	1.6	1.3	0.90	0.98	0.88	0.78
24	1.6	1.7	2.5	1.6	1.3	1.4	1.4	1.3	0.93	1.2	0.89	0.74
25	1.6	1.7	2.3	1.7	1.4	1.4	1.6	1.3	0.93	0.99	0.99	0.68
26	1.5	2.1	1.9	1.4	1.6	1.6	1.8	1.1	3.4	0.91	0.85	0.83
27	1.4	1.9	1.8	1.4	1.6	2.9	1.6	1.3	3.0	0.86	0.73	3.4
28	1.3	1.7	1.6	1.6	1.4	2.3	3.0	1.2	2.7	0.90	0.65	2.7
29	1.4	1.6	1.7	1.6	---	1.8	4.0	1.3	1.8	0.75	6.7	1.6
30	1.4	1.7	1.6	1.6	---	1.6	2.3	1.1	1.1	0.78	4.5	1.0
31	1.5	---	1.6	1.6	---	1.7	---	1.2	---	0.81	2.1	---
TOTAL	47.1	48.2	57.2	49.8	40.3	56.8	49.0	49.2	46.86	28.77	32.79	40.59
MEAN	1.52	1.61	1.85	1.61	1.44	1.83	1.63	1.59	1.56	0.93	1.06	1.35
MAX	2.6	2.2	2.6	3.0	2.1	4.5	4.0	3.6	4.8	1.3	6.7	5.9
MIN	1.1	1.3	1.5	1.3	1.2	1.3	1.3	1.1	0.86	0.66	0.41	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2002, BY WATER YEAR (WY)

MEAN	2.35	2.54	2.51	2.72	2.77	2.81	2.81	2.64	2.51	2.45	2.54	2.37
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	0.38	0.30	0.29	0.27	0.29	0.46	0.45	0.41	0.67	0.63	0.59	0.63
(WY)	1966	1967	1967	1967	1967	1967	1966	1967	1967	1968	1988	1965

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1950 - 2002	
ANNUAL TOTAL	700.95		546.61			
ANNUAL MEAN	1.92		1.50		2.58	
HIGHEST ANNUAL MEAN					6.32	1979
LOWEST ANNUAL MEAN					0.51	1967
HIGHEST DAILY MEAN	9.9	Mar 30	6.7	Aug 29	53	Jan 21 1979
LOWEST DAILY MEAN	0.86	Aug 31	0.41	Aug 19	0.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	0.94	Aug 30	0.49	Aug 13	0.22	Dec 3 1983
10 PERCENT EXCEEDS	2.7		2.1		4.2	
50 PERCENT EXCEEDS	1.7		1.4		2.4	
90 PERCENT EXCEEDS	1.2		0.78		0.86	

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



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY

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

DRAINAGE AREA.--About 27 mi^2.

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

REVISED RECORDS.--WSP1141: Drainage area.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft^3/s, Jan. 22, 1979, gage height, 3.22 ft, result of dam failure; minimum, 16 ft^3/s, June 5, 6, 1967; minimum gage height, 0.46 ft, Feb. 9, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 90 ft^3/s, Aug. 29, gage height, 0.99 ft; minimum, 21 ft^3/s, Aug. 19, 20, gage height, 0.52 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

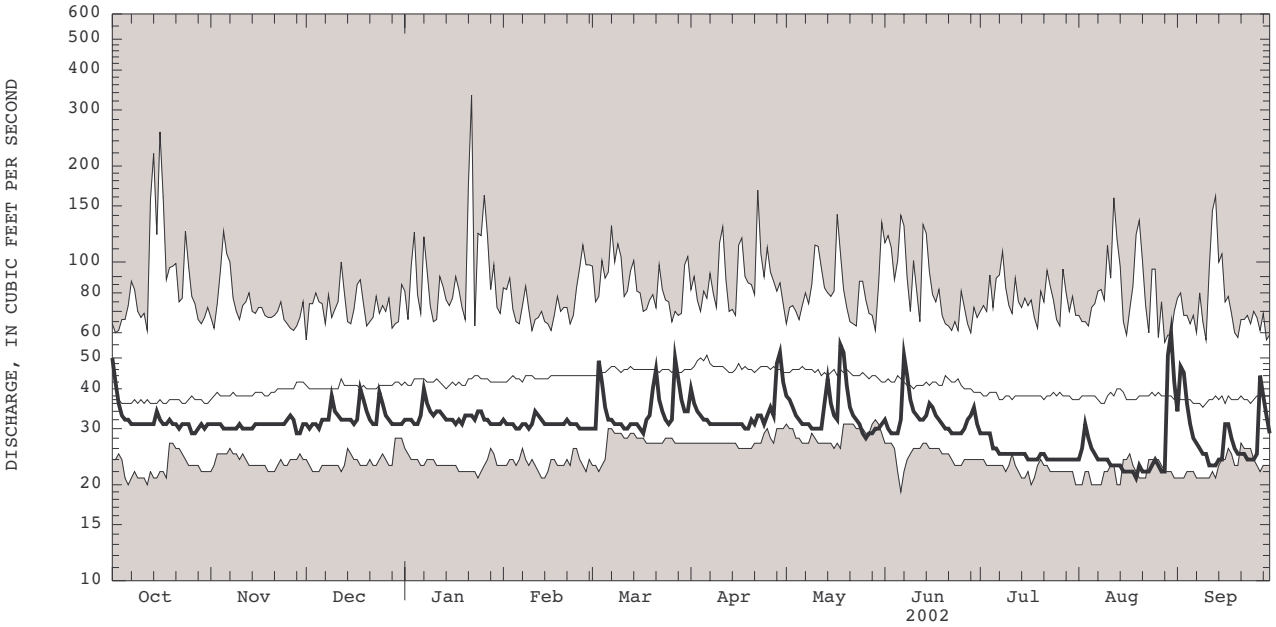
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	31	31	32	32	30	40	38	32	29	24	34
2	42	31	30	32	31	30	36	37	30	29	26	47
3	36	31	31	32	31	49	34	35	29	29	31	45
4	33	31	31	31	31	42	33	33	29	29	28	36
5	32	30	30	31	30	35	32	32	29	26	26	31
6	32	30	32	33	30	32	32	31	32	26	25	28
7	31	30	32	40	31	32	31	31	51	25	24	27
8	31	30	32	36	31	31	31	31	44	25	24	26
9	31	30	38	34	30	31	31	30	37	25	24	25
10	31	31	34	33	31	31	31	30	34	25	24	25
11	31	30	33	34	34	30	31	30	33	25	23	23
12	31	30	32	34	33	30	31	30	32	25	23	23
13	31	30	32	33	32	31	31	36	32	25	23	23
14	31	30	32	32	31	31	31	43	33	25	23	24
15	34	31	32	32	31	31	31	36	36	25	22	24
16	32	31	31	32	31	30	31	33	35	24	22	31
17	31	31	32	31	31	29	31	32	33	24	22	31
18	31	31	40	32	31	32	30	55	32	24	22	28
19	32	31	37	31	31	33	30	52	31	24	21	26
20	31	31	34	33	31	40	32	41	30	25	23	25
21	31	31	32	33	32	46	31	35	30	25	22	25
22	30	31	31	33	31	37	33	33	29	24	22	25
23	31	31	31	32	31	34	33	32	29	24	22	24
24	31	31	39	34	31	32	31	31	29	24	23	24
25	31	32	36	34	30	31	33	29	29	24	24	24
26	29	33	33	32	30	32	35	28	30	24	23	25
27	29	32	32	32	30	50	33	29	32	24	22	44
28	30	29	31	31	30	43	48	29	33	24	22	38
29	31	29	31	31	---	37	52	30	35	24	51	33
30	30	31	31	31	---	34	42	30	31	24	60	29
31	31	---	31	31	---	34	---	31	---	24	42	---
TOTAL	998	921	1014	1012	869	1070	1011	1053	981	779	813	873
MEAN	32.2	30.7	32.7	32.6	31.0	34.5	33.7	34.0	32.7	25.1	26.2	29.1
MAX	50	33	40	40	34	50	52	55	51	29	60	47
MIN	29	29	30	31	30	29	30	28	29	24	21	23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

MEAN	38.5	40.3	42.1	43.8	44.7	47.1	48.5	46.3	43.3	39.7	39.4	38.2
MAX	76.1	70.0	63.8	75.5	66.2	70.1	73.7	71.3	69.2	70.4	59.0	55.3
(WY)	1991	1956	1991	1979	1979	1979	1983	1998	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	15185		11394			
ANNUAL MEAN	41.6		31.2		42.6	
HIGHEST ANNUAL MEAN					58.9	1991
LOWEST ANNUAL MEAN					27.0	1966
HIGHEST DAILY MEAN	104	Mar 31	60	Aug 30	334	Jan 22 1979
LOWEST DAILY MEAN	29	Oct 26	21	Aug 19	19	Jun 6 1967
ANNUAL SEVEN-DAY MINIMUM	30	Oct 22	22	Aug 15	21	Jul 31 1966
10 PERCENT EXCEEDS	56		36		56	
50 PERCENT EXCEEDS	39		31		41	
90 PERCENT EXCEEDS	31		24		31	

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 Power Authority dam, 0.4 mi west of Riverhead, and 1.2 mi upstream from outlet of Sweezy Pond.

DRAINAGE AREA.--About 75 mi^2.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft above NGVD of 1929.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38 ft^3/s, Oct. 2; maximum gage height, 0.49 ft, Oct. 2, May 18, 19, 20; minimum discharge, 11 ft^3/s, part or all of each day Aug. 21-29; minimum gage height, 0.26 ft, Aug. 27, 28, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	23	23	21	24	21	31	32	26	20	14	14
2	38	23	23	21	24	20	31	32	24	20	14	20
3	37	23	22	21	24	24	30	32	24	19	16	24
4	36	23	22	22	23	26	30	31	23	18	16	23
5	35	23	22	22	23	25	29	29	23	17	15	21
6	34	23	22	22	22	24	28	28	24	17	15	19
7	33	23	22	26	22	24	26	27	36	16	14	17
8	32	22	22	26	22	25	24	25	36	16	13	16
9	30	e23	23	26	22	24	24	24	35	16	13	15
10	30	e23	24	27	21	24	24	24	34	16	13	15
11	28	e23	24	26	23	21	24	23	33	16	13	14
12	27	e23	23	26	23	20	23	24	32	15	13	12
13	27	e23	23	28	23	21	24	26	32	16	13	13
14	27	e23	23	28	22	21	23	28	32	15	12	13
15	27	e23	24	28	22	21	23	28	34	16	12	14
16	27	e23	24	28	22	21	23	27	34	15	13	18
17	27	e23	24	27	22	20	22	26	33	14	12	18
18	26	e23	26	26	21	20	21	33	31	15	12	17
19	26	e23	27	26	21	21	21	35	30	15	12	16
20	25	e23	27	26	21	22	21	35	29	15	13	16
21	24	e23	26	26	22	25	20	34	27	15	12	15
22	24	e23	25	26	22	26	21	33	25	15	11	15
23	24	e23	24	26	22	26	22	32	24	15	11	15
24	24	e23	26	27	21	24	22	30	22	17	11	14
25	24	e23	27	27	21	24	22	28	21	16	12	14
26	24	e24	27	26	21	23	23	27	21	15	11	14
27	23	e23	26	26	21	27	23	26	21	15	11	21
28	23	e23	26	25	21	29	27	25	21	16	11	21
29	23	e23	26	24	---	29	31	24	20	15	13	19
30	23	e23	24	24	---	28	32	24	20	15	15	18
31	23	---	20	24	---	28	---	25	---	14	15	---
TOTAL	867	690	747	784	618	734	745	877	827	495	401	501
MEAN	28.0	23.0	24.1	25.3	22.1	23.7	24.8	28.3	27.6	16.0	12.9	16.7
MAX	38	24	27	28	24	29	32	35	36	20	16	24
MIN	23	22	20	21	21	20	20	23	20	14	11	12

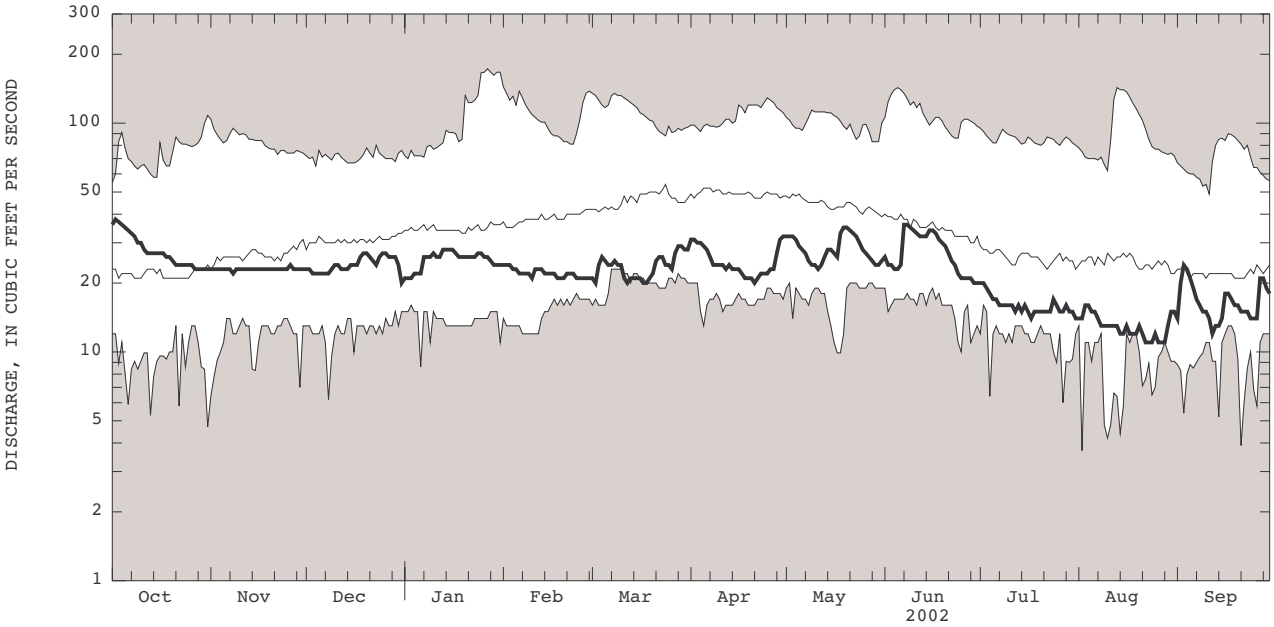
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	26.4	30.2	34.2	38.5	42.0	48.0	51.3	46.3	40.2	30.3	28.3	25.5
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	14675		8286			
ANNUAL MEAN	40.2		22.7		36.8	
HIGHEST ANNUAL MEAN					67.9	1984
LOWEST ANNUAL MEAN					16.1	1966
HIGHEST DAILY MEAN	98	Apr 1	38	Oct 2	173	Jan 27 1979
LOWEST DAILY MEAN	20	Dec 31	11	Aug 22	3.7	Aug 2 1944
ANNUAL SEVEN-DAY MINIMUM	22	Jan 8	11	Aug 22	5.8	Aug 9 1966
10 PERCENT EXCEEDS	68		30		62	
50 PERCENT EXCEEDS	35		23		32	
90 PERCENT EXCEEDS	23		15		18	

e Estimated

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01304595 BIG FRESH POND NEAR NORTH SEA, NY

LOCATION.--Lat 40°55'19", long 72°25'18", Suffolk County, Hydrologic Unit 2030202, on northern shore at Town of Southampton boat launch in Emma Rose Elliston Park, near North Sea.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

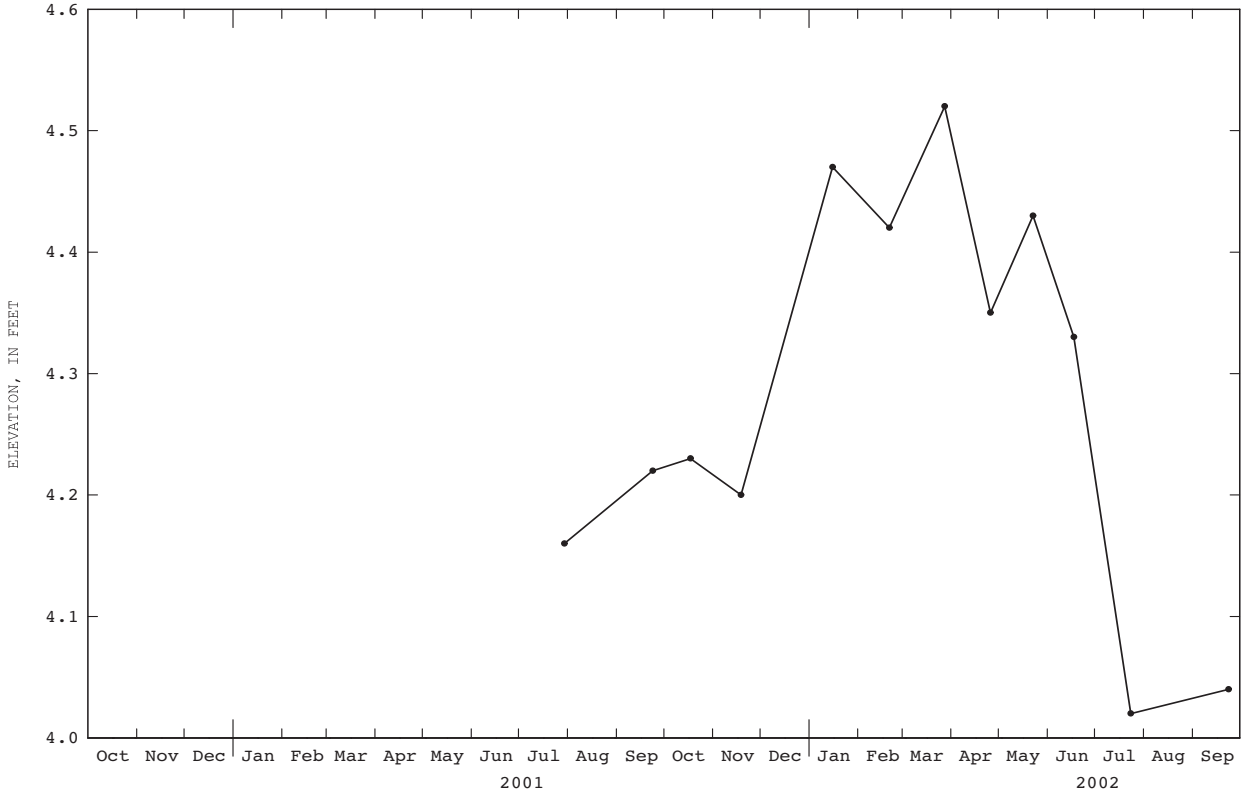
REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 4.52 ft, Mar. 28, 2002; minimum observed, 4.02 ft, July 24, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 4.52 ft, Mar. 28; minimum observed, 4.02 ft, July 24.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
OCT 18	4.23	JAN 16	4.47	MAR 28	4.52	MAY 23	4.43	JUL 24	4.02
NOV 19	4.20	FEB 21	4.42	APR 26	4.35	JUN 18	4.33	SEP 24	4.04



WATER YEAR MONTHLY ELEVATION MEASUREMENTS FOR PERIOD OF RECORD.

01304629 TROUT POND AT NOYACK, NY

LOCATION.--Lat 40°59'34", long 72°21'00", Suffolk County, Hydrologic Unit 2030202, on left wall of outlet structure in Town of Southampton Trout Pond Park, in Noyack.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

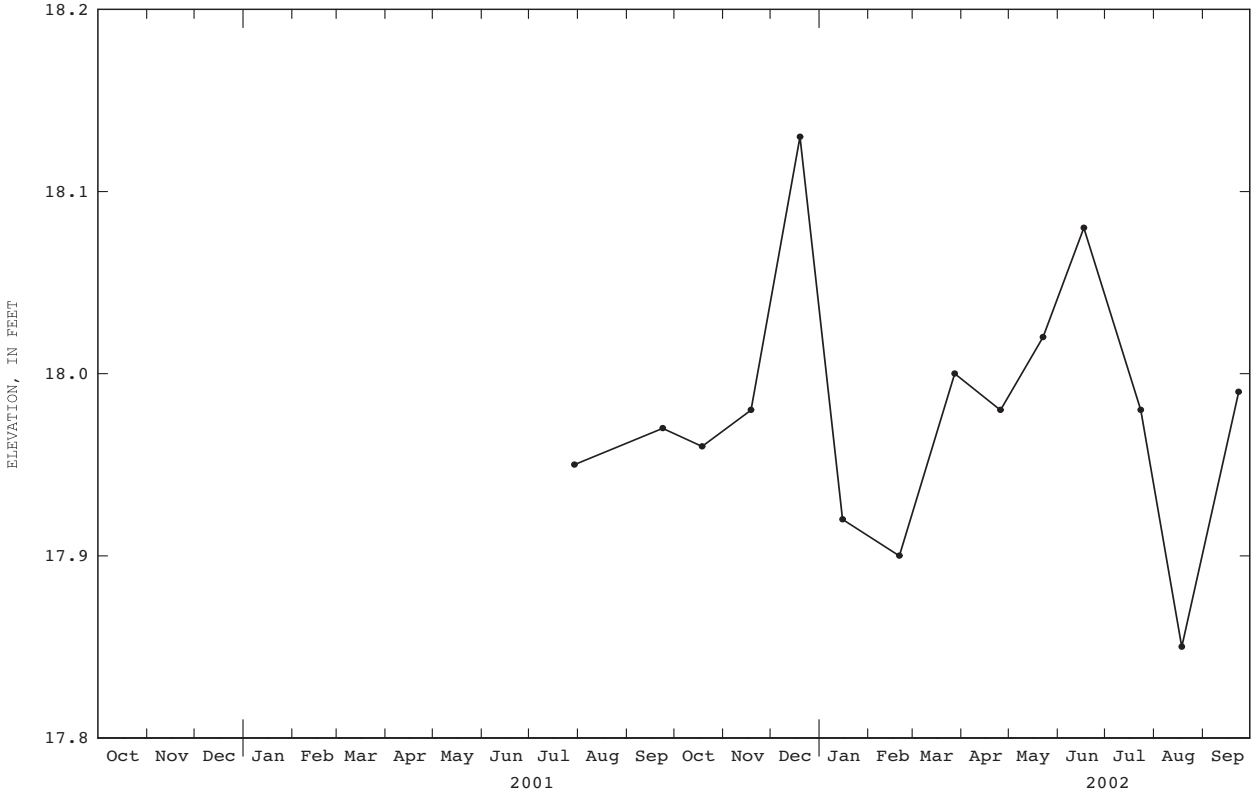
REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 18.13 ft, Dec. 20, 2001; minimum observed, 17.85 ft, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR--Maximum elevation observed, 18.13 ft, Dec. 20; minimum observed, 17.85 ft, Aug. 19.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
OCT 19	17.96	DEC 20	18.13	FEB 21	17.90	APR 26	17.98	JUN 18	18.08	AUG 19	17.85
NOV 19	17.98	JAN 16	17.92	MAR 28	18.00	MAY 23	18.02	JUL 24	17.98	SEP 24	17.99



WATER YEAR MONTHLY ELEVATION MEASUREMENTS FOR PERIOD OF RECORD.

01304655 LONG POND NEAR SAG HARBOR, NY

LOCATION.--Lat 40°58'20", long 72°17'39", Suffolk County, Hydrologic Unit 2030202, on southern shore at Town of Southampton boat launch in Long Pond Park, near Sag Harbor.

PERIOD OF RECORD.--August 2001 to current year. Precipitation records for August 2001 to current year at site 1.4 mi north-northeast are unpublished and available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records excellent except those in July, which are good; and in October, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 12.89 ft, Aug. 20, 2001; minimum, 11.27 ft, Aug. 27, 28, 29, 2002.

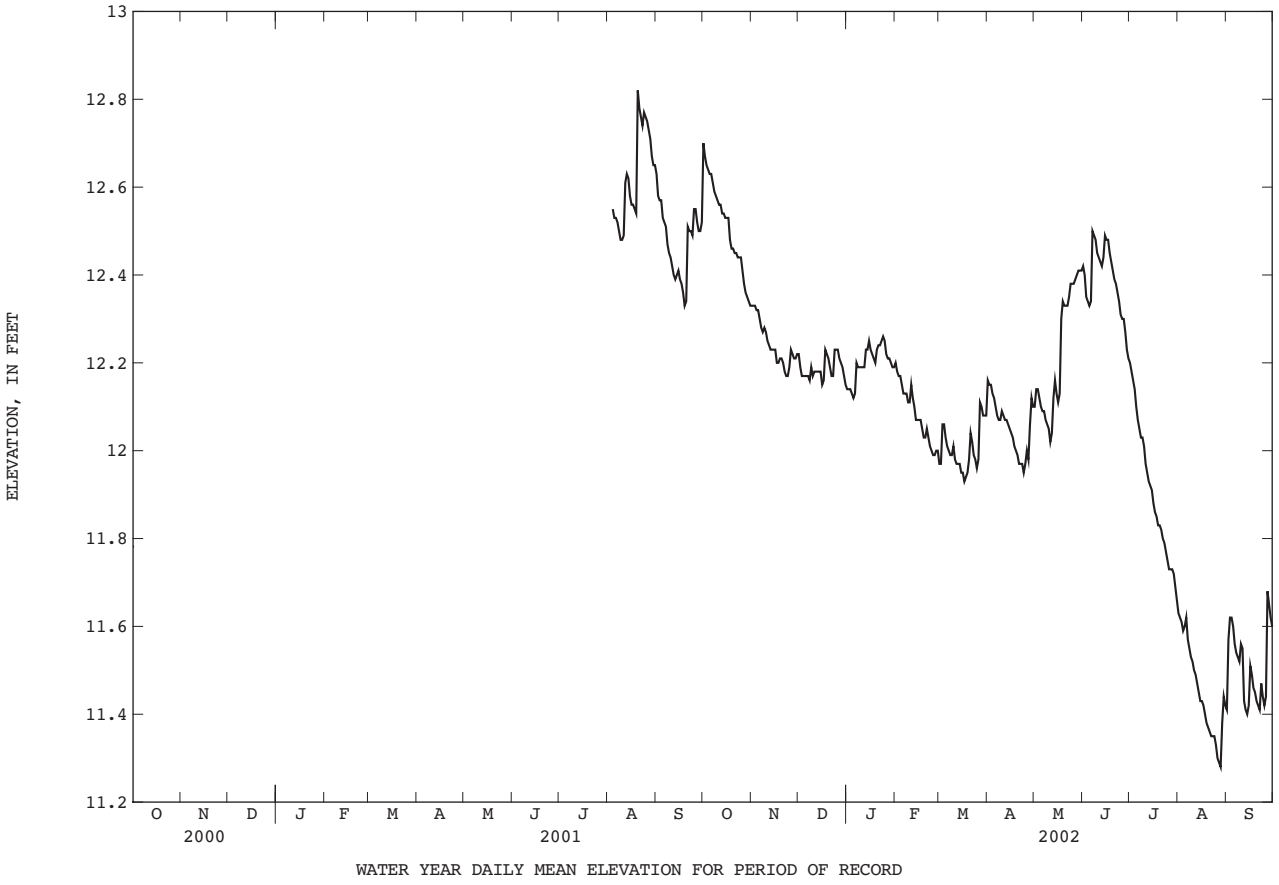
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 12.73 ft, Oct. 1; minimum, 11.27 ft, Aug. 27, 28, 29.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.70	12.33	12.22	12.14	12.20	11.97	12.16	12.10	12.42	12.20	11.63	11.41
2	12.67	12.33	12.19	12.14	12.18	11.97	12.15	12.14	12.40	12.18	11.62	11.57
3	12.65	12.33	12.17	12.14	12.17	12.06	12.15	12.14	12.35	12.16	11.61	11.62
4	12.64	12.32	12.17	12.13	12.17	12.06	12.13	12.12	12.34	12.14	11.59	11.62
5	12.63	12.32	12.17	12.12	12.15	12.03	12.12	12.10	12.33	12.10	11.60	11.60
6	12.63	12.30	12.17	12.13	12.13	12.01	12.10	12.09	12.34	12.07	11.62	11.56
7	12.61	12.28	12.17	12.20	12.13	12.00	12.08	12.09	12.50	12.05	11.57	11.54
8	12.59	12.27	12.16	12.19	12.13	11.99	12.07	12.07	12.49	12.03	11.55	11.53
9	12.58	12.28	12.19	12.19	12.11	11.99	12.07	12.06	12.48	12.03	11.53	11.52
10	12.57	12.27	12.17	12.19	12.11	12.01	12.09	12.05	12.45	12.01	11.52	11.56
11	12.56	12.25	12.18	12.19	12.15	11.98	12.08	12.02	12.44	11.97	11.50	11.55
12	12.56	12.24	12.18	12.19	12.12	11.97	12.07	12.04	12.43	11.95	11.49	11.43
13	12.54	12.23	12.18	12.23	12.10	11.97	12.07	12.12	12.42	11.93	11.47	11.41
14	12.54	12.23	12.18	12.23	12.07	11.97	12.06	12.16	12.44	11.92	11.45	11.40
15	12.53	12.23	12.18	12.25	12.07	11.95	12.05	12.13	12.49	11.91	11.43	11.42
16	12.53	12.23	12.15	12.23	12.07	11.95	12.04	12.11	12.48	11.88	11.43	11.51
17	12.53	12.20	12.16	12.22	12.07	11.93	12.03	12.13	12.48	11.86	11.42	11.49
18	12.48	12.20	12.23	12.21	12.05	11.94	12.01	12.30	12.45	11.85	11.40	11.46
19	12.46	12.21	12.22	12.20	12.03	11.95	12.00	12.34	12.43	11.83	11.38	11.45
20	12.46	12.21	12.21	12.23	12.03	11.98	11.99	12.33	12.41	11.83	11.37	11.43
21	12.45	12.20	12.19	12.24	12.05	12.04	11.97	12.33	12.39	11.82	11.36	11.42
22	12.45	12.18	12.17	12.24	12.03	12.02	11.97	12.33	12.38	11.80	11.35	11.41
23	12.44	12.17	12.17	12.25	12.01	11.99	11.97	12.35	12.36	11.79	11.35	11.47
24	12.44	12.17	12.23	12.26	12.00	11.98	11.95	12.38	12.34	11.77	11.35	11.44
25	12.44	12.19	12.23	12.25	11.99	11.96	11.97	12.38	12.31	11.75	11.33	11.42
26	12.41	12.23	12.23	12.22	11.99	11.98	12.00	12.38	12.30	11.73	11.30	11.44
27	12.38	12.22	12.21	12.21	12.00	12.11	11.98	12.39	12.30	11.73	11.29	11.68
28	12.36	12.21	12.20	12.21	12.00	12.10	12.06	12.40	12.27	11.73	11.28	11.65
29	12.35	12.21	12.19	12.20	---	12.08	12.12	12.41	12.23	11.72	11.38	11.62
30	12.34	12.22	12.17	12.19	---	12.08	12.10	12.41	12.21	11.69	11.44	11.60
31	12.33	---	12.15	12.19	---	12.08	---	12.41	---	11.66	11.42	---
MEAN	12.51	12.24	12.19	12.20	12.08	12.00	12.05	12.22	12.39	11.91	11.45	11.51
MAX	12.70	12.33	12.23	12.26	12.20	12.11	12.16	12.41	12.50	12.20	11.63	11.68
MIN	12.33	12.17	12.15	12.12	11.99	11.93	11.95	12.02	12.21	11.66	11.28	11.40
MED	12.53	12.23	12.18	12.20	12.07	11.99	12.06	12.14	12.40	11.88	11.43	11.50

WTR YR 2002 MEAN 12.06 MAX 12.70 MIN 11.28 MED 12.13

01304655 LONG POND NEAR SAG HARBOR, NY--Continued



WATER YEAR DAILY MEAN ELEVATION FOR PERIOD OF RECORD

01304678 FORT POND AT MONTAUK, NY

LOCATION.--Lat 41°02'11", long 71°56'49", Suffolk County, Hydrologic Unit 2030202, on southeastern shore at State of New York boat launch on South Erie Ave., in Montauk.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

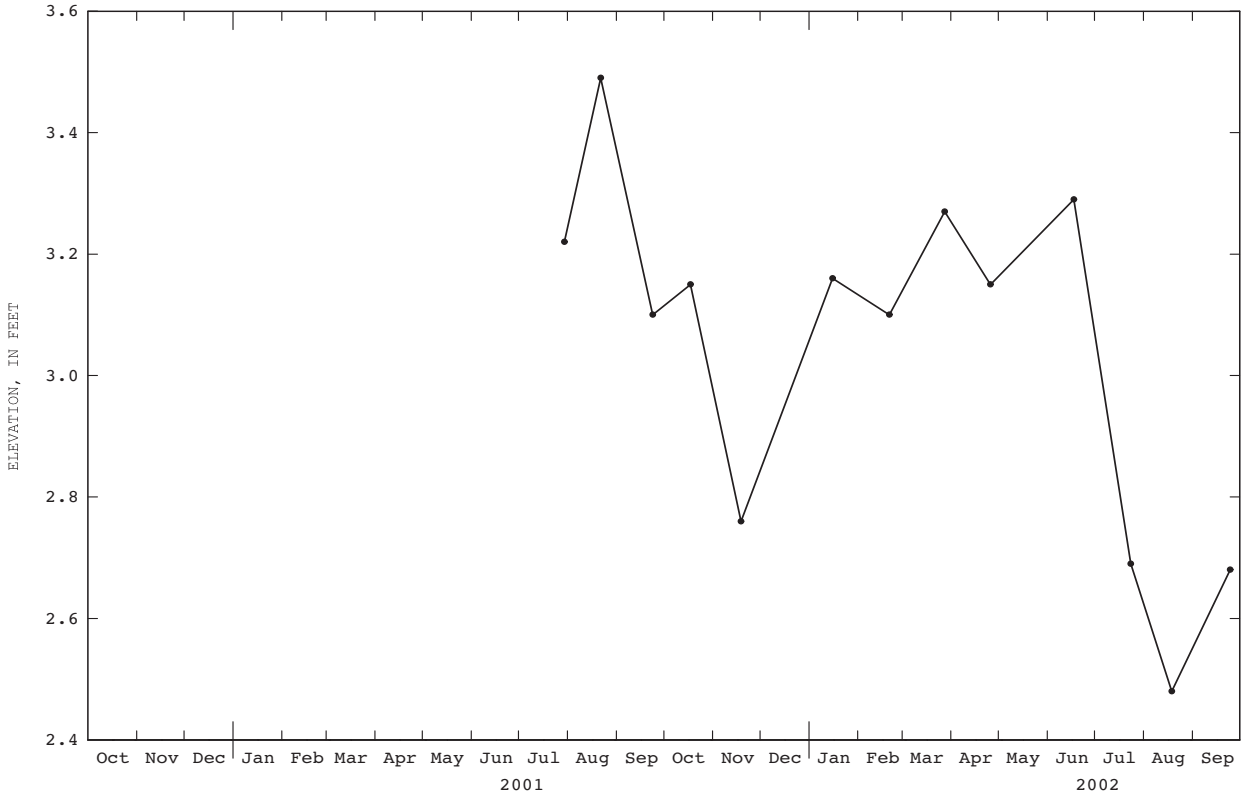
REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 3.49 ft, Aug. 22, 2001; minimum observed, 2.48 ft, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 3.29 ft, June 18; minimum observed, 2.48 ft, Aug. 19.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
OCT 18	3.15	JAN 16	3.16	MAR 28	3.27	JUN 18	3.29	AUG 19	2.48
NOV 19	2.76	FEB 21	3.10	APR 26	3.15	JUL 24	2.69	SEP 25	2.68



WATER YEAR MONTHLY ELEVATION MEASUREMENTS FOR PERIOD OF RECORD.

01304702 GEORGICA POND AT MIDHAMPTON, NY

LOCATION.--Lat 40°57'00", long 72°14'22", Suffolk County, Hydrologic Unit 2030202, on northern shore at State of New York rest area on Montauk Highway, in Midhampton.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 25, 2001, nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

REMARKS.--Records excellent except those in December and March, which are good; and in January, April, and May, which are fair. During spring and fall, pond is opened to Atlantic Ocean to regulate stage for fisheries management, flood control, and sanitary improvement.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 5.63 ft, Aug., 22, 2001; minimum, 2.09 ft, Oct. 28, 29, 2001, and Apr. 8, 10, 11, 12, 2002.

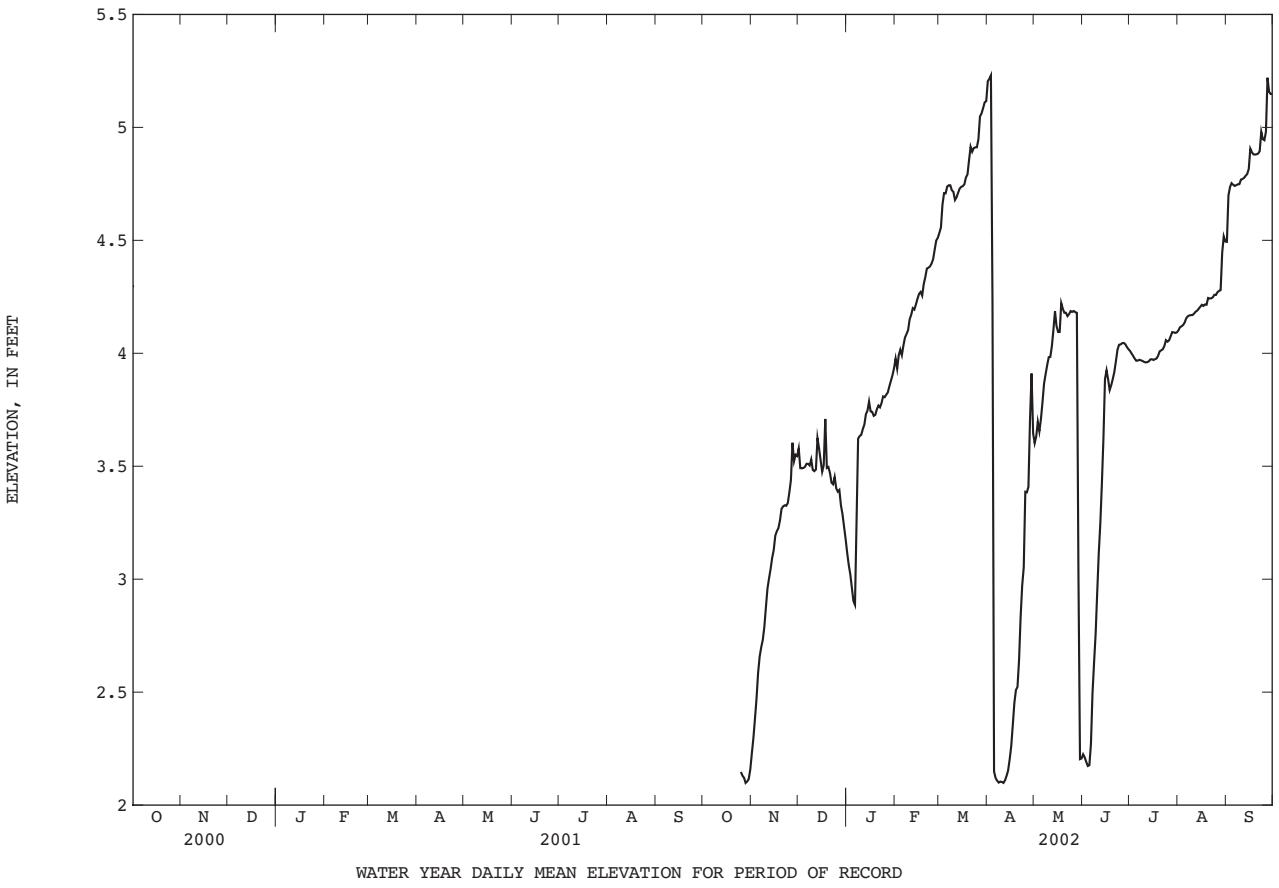
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.29 ft, Sept. 27; minimum, 2.09 ft, Oct. 28, 29, Apr. 8, 10, 11, 12.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.23	3.58	3.12	3.98	4.53	5.20	3.60	2.22	4.01	4.10	4.49
2	---	2.30	3.49	3.06	3.93	4.56	5.21	3.63	2.21	4.00	4.12	4.70
3	---	2.38	3.49	3.02	3.99	4.66	5.23	3.70	2.19	3.99	4.12	4.74
4	---	2.47	3.49	2.96	4.02	4.71	4.22	3.65	2.17	3.98	4.13	4.75
5	---	2.59	3.50	2.90	3.99	4.71	2.15	3.71	2.18	3.97	4.14	4.75
6	---	2.66	3.51	2.89	4.03	4.74	2.12	3.78	2.27	3.97	4.16	4.74
7	---	2.70	3.51	3.26	4.07	4.74	2.11	3.87	2.49	3.97	4.16	4.74
8	---	2.73	3.50	3.62	4.09	4.74	2.10	3.91	2.63	3.97	4.17	4.75
9	---	2.79	3.53	3.63	4.10	4.72	2.10	3.95	2.76	3.97	4.17	4.75
10	---	2.88	3.48	3.64	4.15	4.71	2.10	3.98	2.94	3.96	4.17	4.77
11	---	2.96	3.48	3.66	4.17	4.68	2.10	3.98	3.11	3.96	4.18	4.77
12	---	3.00	3.49	3.68	4.20	4.69	2.11	4.03	3.25	3.96	4.18	4.78
13	---	3.05	3.62	3.73	4.19	4.71	2.13	4.10	3.42	3.96	4.19	4.79
14	---	3.09	3.58	3.75	4.22	4.73	2.15	4.19	3.62	3.97	4.20	4.79
15	---	3.13	3.53	3.79	4.24	4.74	2.20	4.12	3.89	3.97	4.21	4.82
16	---	3.19	3.48	3.74	4.26	4.74	2.26	4.09	3.92	3.97	4.21	4.91
17	---	3.21	3.50	3.74	4.27	4.75	2.36	4.09	3.88	3.97	4.21	4.89
18	*2.19	3.23	3.71	3.72	4.26	4.78	2.45	4.22	3.84	3.98	4.22	4.88
19	---	3.26	3.49	3.73	4.31	4.79	2.51	4.20	3.86	3.99	4.21	4.88
20	---	3.31	3.50	3.75	4.34	4.86	2.52	4.18	3.89	4.01	4.25	4.88
21	---	3.32	3.47	3.77	4.38	4.91	2.64	4.18	3.92	4.01	4.24	4.88
22	---	3.33	3.43	3.76	4.38	4.89	2.83	4.16	3.97	4.02	4.24	4.89
23	---	3.33	3.42	3.78	4.38	4.91	2.97	4.17	4.02	4.03	4.25	4.98
24	---	3.34	3.45	3.81	4.40	4.91	3.05	4.19	4.04	4.06	4.26	4.95
25	2.15	3.38	3.40	3.81	4.42	4.91	3.39	4.18	4.04	4.05	4.26	4.94
26	2.13	3.44	3.39	3.82	4.46	4.95	3.38	4.19	4.04	4.06	4.27	4.98
27	2.12	3.60	3.40	3.83	4.50	5.05	3.41	4.18	4.05	4.07	4.28	5.22
28	2.10	3.52	3.33	3.85	4.51	5.06	3.70	4.18	4.04	4.09	4.28	5.16
29	2.10	3.55	3.29	3.88	---	5.09	3.91	3.03	4.03	4.09	4.45	5.15
30	2.12	3.55	3.23	3.90	---	5.11	3.65	2.20	4.02	4.09	4.52	5.15
31	2.16	---	3.18	3.93	---	5.12	---	2.21	---	4.09	4.49	---
MEAN	---	3.05	3.47	3.60	4.22	4.81	2.94	3.87	3.36	4.01	4.23	4.86
MAX	---	3.60	3.71	3.93	4.51	5.12	5.23	4.22	4.05	4.09	4.52	5.22
MIN	---	2.23	3.18	2.89	3.93	4.53	2.10	2.20	2.17	3.96	4.10	4.49
MED	---	3.16	3.49	3.74	4.23	4.74	2.52	4.09	3.85	3.99	4.21	4.85

* Instantaneous monthly measurement.

01304702 GEORGICA POND AT MIDHAMPTON, NY--Continued



WATER YEAR DAILY MEAN ELEVATION FOR PERIOD OF RECORD

01304738 MILL POND AT WATER MILL, NY

LOCATION.--Lat 40°54'35", long 72°21'47", Suffolk County, Hydrologic Unit 2030202, on southwestern shore at Town of Southampton boat launch on Old Mill Road, in Water Mill.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

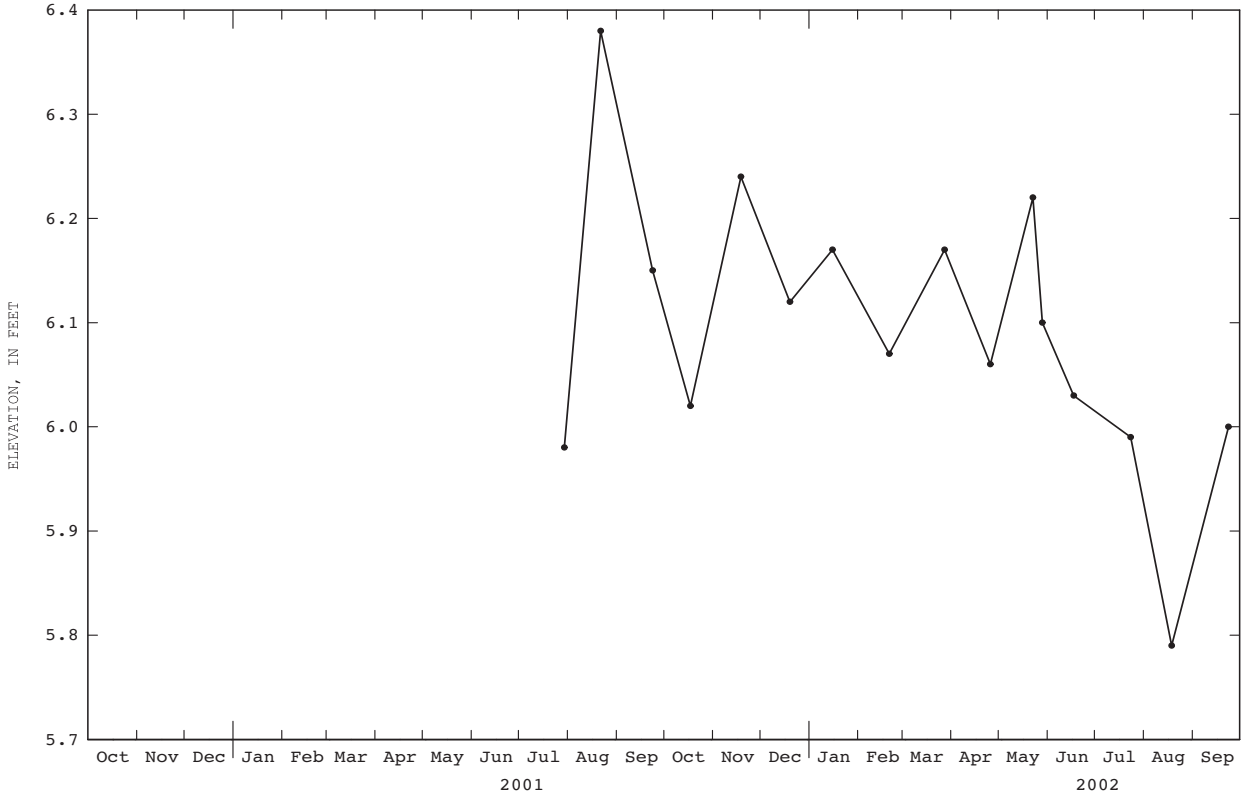
REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 6.38 ft, Aug. 22, 2001; minimum observed, 5.79 ft, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR--Maximum elevation observed, 6.24 ft, Nov. 19; minimum observed, 5.79 ft, Aug. 19.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
OCT 18	6.02	JAN 16	6.17	MAR 28	6.17	MAY 23	6.22	JUN 18	6.03	AUG 19	5.79
NOV 19	6.24	FEB 21	6.07	APR 26	6.06	MAY 29	6.10	JUL 24	5.99	SEP 24	6.00
DEC 20	6.12										



WATER YEAR MONTHLY ELEVATION MEASUREMENTS FOR PERIOD OF RECORD.

01305000 CARMANS RIVER AT YAPHANK, NY

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

DRAINAGE AREA.--About 71 mi^2.

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143 ft^3/s, Aug. 11, 1989, gage height, 2.09 ft; minimum, 2.8 ft^3/s, Feb. 24, 1967, gage height, 0.73 ft, result of temporary construction upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft^3/s, Oct. 1, Apr. 28, gage height, 1.38 ft; minimum, 11 ft^3/s, Aug. 13, gage height, 0.94 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

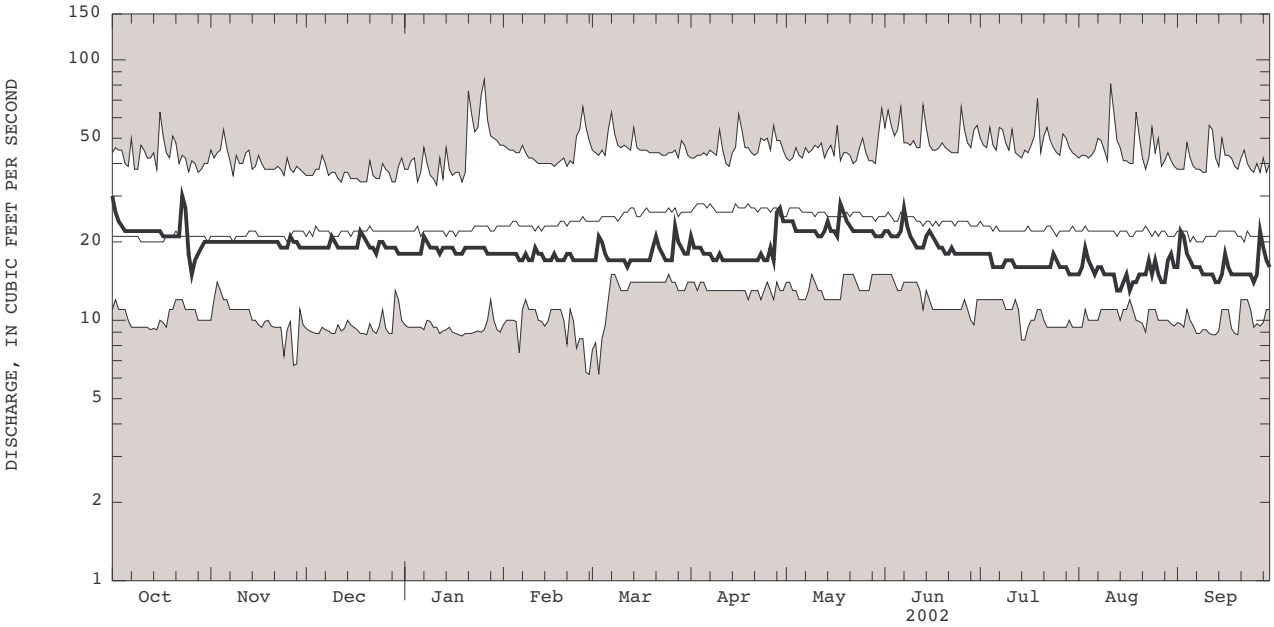
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	20	19	18	18	17	21	24	22	18	15	16
2	26	20	19	18	18	17	19	24	22	18	16	22
3	24	20	19	18	18	21	19	24	21	18	19	21
4	23	20	19	18	18	20	19	22	21	18	17	18
5	22	20	19	18	18	18	18	22	21	16	16	17
6	22	20	19	18	17	17	18	22	22	16	15	16
7	22	20	19	21	17	17	18	22	27	16	16	16
8	22	20	19	20	18	17	17	22	23	16	16	16
9	22	20	21	19	17	17	17	22	21	17	15	15
10	22	20	20	19	17	17	18	22	20	17	15	15
11	22	20	19	19	19	17	17	21	19	17	15	15
12	22	20	19	18	18	16	17	21	19	16	15	15
13	22	20	19	19	18	17	17	22	19	16	13	14
14	22	20	19	19	17	17	17	24	21	16	13	14
15	22	20	19	19	17	17	17	22	22	16	14	15
16	22	20	19	19	17	17	17	22	21	16	15	18
17	21	20	19	18	18	17	17	21	20	16	13	16
18	21	20	22	18	17	17	17	28	19	16	14	15
19	21	20	21	18	17	17	17	26	19	16	14	15
20	21	20	20	19	17	19	17	24	18	16	15	15
21	21	20	19	19	18	21	17	23	18	16	15	15
22	21	20	19	19	18	19	17	22	19	16	15	15
23	30	19	18	19	17	18	18	22	18	16	17	15
24	27	19	20	19	17	17	17	22	18	18	15	15
25	18	19	20	19	17	17	17	22	18	17	17	14
26	15	21	19	19	17	17	19	22	18	16	15	15
27	17	20	19	18	17	23	17	22	18	16	14	22
28	18	20	19	18	17	20	26	22	18	16	14	19
29	19	19	19	18	---	19	27	21	18	15	17	17
30	20	19	18	18	---	18	24	21	18	15	18	16
31	20	---	18	18	---	18	---	21	---	15	16	---
TOTAL	677	596	597	577	489	556	553	697	598	507	474	487
MEAN	21.8	19.9	19.3	18.6	17.5	17.9	18.4	22.5	19.9	16.4	15.3	16.2
MAX	30	21	22	21	19	23	27	28	27	18	19	22
MIN	15	19	18	18	17	16	17	21	18	15	13	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	21.8	22.1	22.5	23.4	24.4	25.8	26.9	26.3	25.1	23.3	22.9	21.9
MAX	38.6	37.9	35.0	42.6	44.0	45.4	42.5	41.8	49.2	46.6	40.9	38.8
(WY)	1980	1956	1980	1979	1979	1979	1984	1984	1984	1984	1984	1984
MIN	10.9	10.6	9.48	9.35	9.74	13.7	13.1	14.1	12.8	10.5	10.5	10.6
(WY)	1967	1967	1967	1967	1967	1967	1966	1966	1995	1966	1966	1966

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	8622		6808			
ANNUAL MEAN	23.6		18.7		23.9	
HIGHEST ANNUAL MEAN					37.7	1979
LOWEST ANNUAL MEAN					12.9	1967
HIGHEST DAILY MEAN	46	Mar 30	30	Oct 1	84	Jan 26 1978
LOWEST DAILY MEAN	15	Oct 26	13	Aug 13	6.2	Feb 28 1967
ANNUAL SEVEN-DAY MINIMUM	18	Jan 2	14	Aug 13	7.4	Feb 25 1967
10 PERCENT EXCEEDS	30		22		34	
50 PERCENT EXCEEDS	22		18		23	
90 PERCENT EXCEEDS	19		15		16	

01305000 CARMANS RIVER AT YAPHANK, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

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

DRAINAGE AREA.--About 8.6 mi^2.

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77 ft^3/s, Aug. 24 1990, gage height, 2.71 ft; minimum, 0.06 ft^3/s, Sept. 2, 1964, gage height, 0.02 ft, result of regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 ft^3/s, June 6, gage height, 1.33 ft; minimum, 5.9 ft^3/s, part or all of each day Aug. 9-20, 22, 27, 28, gage height, 0.39 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

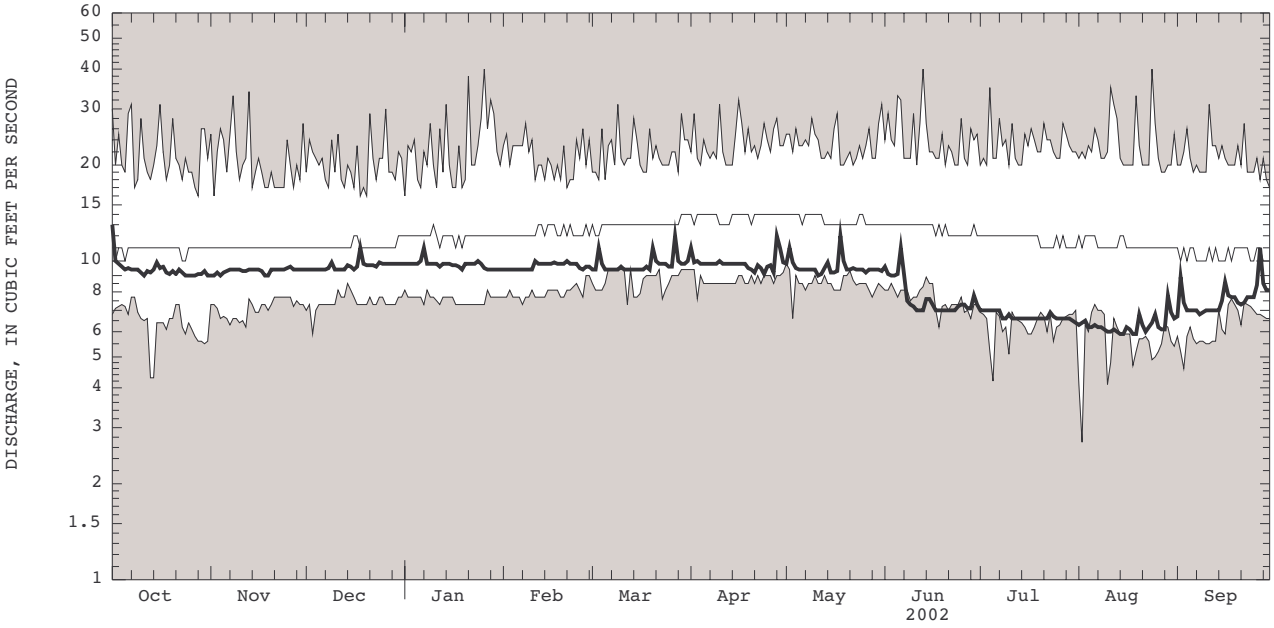
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.0	9.4	9.8	9.4	9.4	11	9.8	9.6	7.0	6.3	6.7
2	10	9.0	9.4	9.8	9.4	9.4	9.9	11	9.1	7.0	6.4	8.9
3	9.8	9.2	9.4	9.8	9.4	11	10	9.9	9.0	7.0	6.5	7.4
4	9.6	9.0	9.4	9.8	9.4	9.8	9.8	9.5	9.0	7.0	6.2	7.0
5	9.4	9.2	9.4	9.8	9.4	9.4	9.8	9.4	9.1	7.0	6.2	7.0
6	9.5	9.3	9.4	10	9.4	9.4	9.8	9.4	11	7.0	6.3	7.0
7	9.4	9.4	9.4	11	9.4	9.4	9.8	9.4	9.1	7.0	6.2	7.0
8	9.4	9.4	9.5	9.8	9.4	9.4	9.8	9.4	7.5	6.6	6.2	6.8
9	9.4	9.4	9.9	9.8	9.4	9.4	9.8	9.4	7.3	6.6	6.1	6.9
10	9.2	9.4	9.4	9.8	9.4	9.6	10	9.4	7.2	6.8	6.0	7.0
11	9.0	9.3	9.4	9.8	10	9.4	9.8	9.0	7.0	6.6	6.0	7.0
12	9.3	9.3	9.4	9.6	9.8	9.4	9.8	9.1	7.0	6.6	6.1	7.0
13	9.2	9.4	9.4	9.8	9.8	9.4	9.8	9.5	7.0	6.6	6.0	7.0
14	9.4	9.4	9.7	9.8	9.8	9.4	9.8	9.9	7.6	6.6	5.9	7.0
15	9.9	9.4	9.6	9.8	9.8	9.4	9.8	9.2	7.6	6.6	5.9	7.5
16	9.5	9.4	9.4	9.7	9.8	9.4	9.8	9.2	7.3	6.6	6.2	8.6
17	9.6	9.3	9.6	9.7	9.9	9.4	9.8	9.3	7.0	6.6	6.1	7.8
18	9.2	9.0	11	9.6	9.8	9.6	9.8	12	7.0	6.6	5.9	7.7
19	9.1	9.0	9.8	9.4	9.8	9.4	9.5	10	7.0	6.6	5.9	7.7
20	9.3	9.4	9.7	9.8	9.8	11	9.4	9.4	7.0	6.6	6.8	7.4
21	9.1	9.4	9.7	9.8	10	10	9.2	9.4	7.0	6.6	6.3	7.3
22	9.4	9.4	9.7	9.8	9.8	9.8	9.7	9.5	7.0	6.6	6.0	7.4
23	9.2	9.4	9.6	9.8	9.8	9.8	9.5	9.4	7.0	6.9	6.2	7.7
24	9.0	9.4	9.9	10	9.8	9.8	9.1	9.4	7.2	6.7	6.4	7.7
25	9.0	9.5	9.8	9.8	9.5	9.6	9.6	9.4	7.3	6.6	6.8	7.7
26	9.0	9.6	9.8	9.5	9.4	9.6	9.7	9.2	7.3	6.6	6.2	8.4
27	9.0	9.4	9.8	9.4	9.6	12	9.2	9.4	7.1	6.6	6.1	11
28	9.1	9.4	9.8	9.4	9.6	10	12	9.4	7.1	6.6	6.1	8.5
29	9.1	9.4	9.8	9.4	---	9.8	11	9.4	7.8	6.6	7.8	8.1
30	9.3	9.4	9.8	9.4	---	9.8	9.9	9.4	7.3	6.5	6.9	8.1
31	9.0	---	9.8	9.4	---	10	---	9.3	---	6.4	6.6	---
TOTAL	292.4	279.5	299.1	302.1	269.8	302.2	295.9	296.4	231.5	207.7	194.6	228.3
MEAN	9.43	9.32	9.65	9.75	9.64	9.75	9.86	9.56	7.72	6.70	6.28	7.61
MAX	13	9.6	11	11	10	12	12	12	11	7.0	7.8	11
MIN	9.0	9.0	9.4	9.4	9.4	9.4	9.1	9.0	7.0	6.4	5.9	6.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2002, BY WATER YEAR (WY)

MEAN	11.1	11.3	11.6	12.1	12.6	13.3	14.0	13.7	13.1	12.0	11.5	11.0
MAX	17.3	17.8	16.4	18.6	18.3	19.6	21.7	21.5	21.6	20.7	20.1	19.7
(WY)	1980	1956	1984	1979	1973	1984	1984	1984	1984	1979	1984	1984
MIN	7.26	7.67	7.64	7.64	8.03	9.49	8.85	9.19	7.72	6.70	6.16	7.30
(WY)	1989	1966	1967	1967	1967	1966	1966	1995	2002	2002	1995	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1947 - 2002	
ANNUAL TOTAL	4076.2		3199.5			
ANNUAL MEAN	11.2		8.77		12.3	
HIGHEST ANNUAL MEAN					18.5	1984
LOWEST ANNUAL MEAN					8.59	1995
HIGHEST DAILY MEAN	23	Aug 20	13	Oct 1	40	Jan 26 1978
LOWEST DAILY MEAN	7.7	Sep 28	5.9	Aug 14	2.7	Aug 2 1997
ANNUAL SEVEN-DAY MINIMUM	8.6	Aug 3	6.0	Aug 13	5.5	Aug 18 1995
10 PERCENT EXCEEDS	14		9.8		16	
50 PERCENT EXCEEDS	11		9.4		12	
90 PERCENT EXCEEDS	9.2		6.6		8.9	

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 01306500.

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 NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft^3/s, Aug. 4, 1979, gage height, 1.56 ft; minimum, 0.25 ft^3/s, part of each day Aug. 21-24, 27, 2002, minimum gage height 0.09 ft, August 23, 24, 27, 2002

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft^3/s, Aug. 29, gage height, 0.93 ft; minimum, 0.25 ft^3/s, part of each day Aug. 21-24, 27, minimum gage height, 0.09 ft, Aug. 23, 24, 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

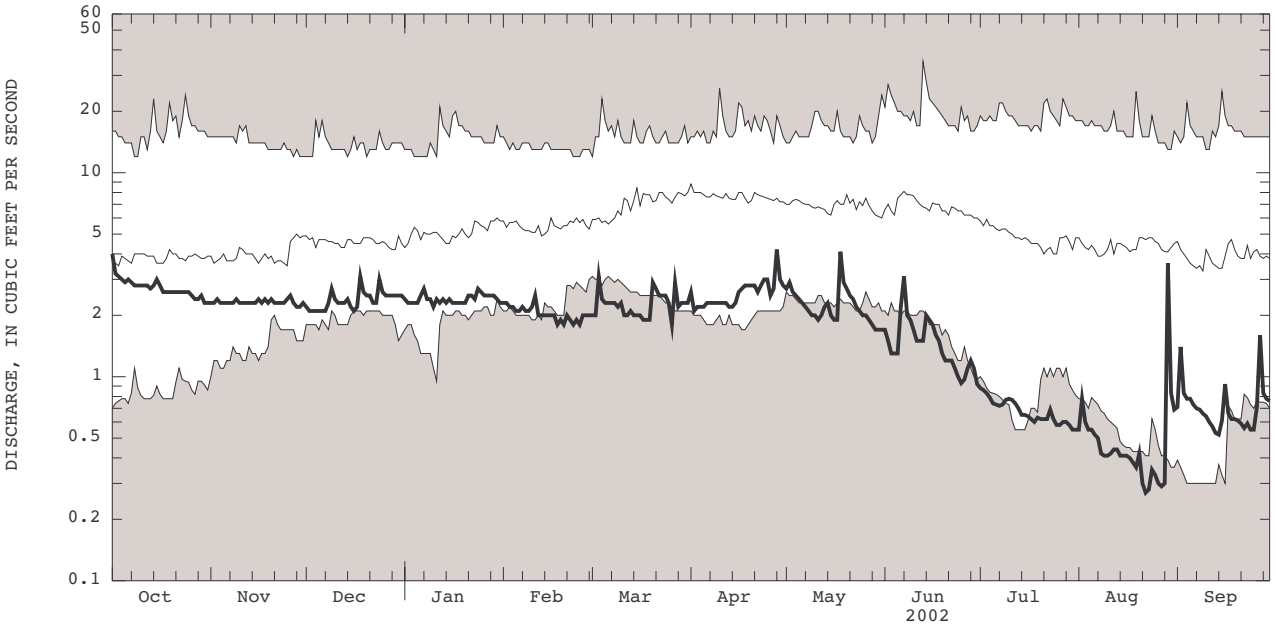
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.3	2.2	2.4	2.3	2.0	2.6	2.7	1.7	0.88	0.55	0.71
2	3.2	2.3	2.1	2.3	2.3	2.0	2.1	2.9	1.5	0.86	0.78	1.4
3	3.1	2.4	2.1	2.3	2.2	3.1	2.2	2.6	1.3	0.83	0.60	0.83
4	3.0	2.3	2.1	2.3	2.2	2.4	2.2	2.5	1.3	0.79	0.55	0.78
5	2.9	2.3	2.1	2.3	2.1	2.3	2.2	2.4	1.3	0.74	0.55	0.78
6	3.0	2.3	2.1	2.5	2.1	2.3	2.3	2.3	2.2	0.73	0.52	0.73
7	2.9	2.3	2.1	2.7	2.2	2.3	2.3	2.2	3.1	0.72	0.50	0.70
8	2.8	2.3	2.3	2.4	2.1	2.3	2.3	2.1	2.0	0.73	0.42	0.69
9	2.8	2.4	2.7	2.4	2.1	2.2	2.3	2.0	1.9	0.77	0.41	0.66
10	2.8	2.3	2.4	2.2	2.2	2.3	2.3	2.0	1.7	0.78	0.41	0.64
11	2.8	2.3	2.3	2.4	2.5	2.0	2.3	1.9	1.5	0.77	0.42	0.60
12	2.8	2.3	2.3	2.3	2.0	2.0	2.3	2.0	1.5	0.74	0.44	0.57
13	2.7	2.3	2.3	2.4	2.0	2.1	2.2	2.2	1.5	0.70	0.44	0.53
14	2.8	2.3	2.4	2.3	2.0	2.0	2.2	2.3	2.0	0.65	0.41	0.52
15	3.0	2.3	2.2	2.4	2.0	2.0	2.3	2.0	1.9	0.65	0.41	0.61
16	2.8	2.4	2.1	2.3	2.0	2.0	2.6	1.9	1.8	0.64	0.41	0.92
17	2.6	2.3	2.2	2.3	2.0	1.9	2.7	1.9	1.6	0.62	0.40	0.66
18	2.6	2.4	3.1	2.3	1.8	1.9	2.8	4.1	1.5	0.60	0.38	0.62
19	2.6	2.3	2.6	2.3	1.9	1.9	2.8	2.9	1.3	0.63	0.36	0.62
20	2.6	2.4	2.5	2.3	1.8	2.9	2.8	2.7	1.2	0.62	0.42	0.61
21	2.6	2.3	2.5	2.5	2.0	2.7	2.8	2.5	1.2	0.62	0.30	0.59
22	2.6	2.3	2.3	2.5	1.9	2.5	2.6	2.4	1.2	0.62	0.27	0.56
23	2.6	2.3	2.3	2.4	1.8	2.5	2.8	2.2	1.1	0.69	0.28	0.59
24	2.6	2.3	3.0	2.7	1.9	2.5	3.0	2.1	1.0	0.62	0.35	0.55
25	2.6	2.4	2.6	2.6	1.8	2.3	3.0	2.0	0.93	0.58	0.33	0.55
26	2.5	2.5	2.5	2.5	2.0	1.8	2.5	2.0	0.97	0.58	0.30	0.71
27	2.4	2.3	2.5	2.5	2.0	2.9	2.7	1.9	1.1	0.60	0.29	1.6
28	2.4	2.2	2.5	2.5	2.0	2.2	4.2	1.8	1.2	0.60	0.30	0.83
29	2.5	2.2	2.5	2.5	---	2.3	3.0	1.7	1.1	0.58	3.6	0.78
30	2.3	2.3	2.5	2.4	---	2.3	2.8	1.7	0.92	0.55	0.83	0.76
31	2.3	---	2.5	2.3	---	2.3	---	1.7	---	0.55	0.69	---
TOTAL	85.2	69.6	73.9	74.5	57.2	70.2	77.2	69.6	44.52	21.04	16.92	21.70
MEAN	2.75	2.32	2.38	2.40	2.04	2.26	2.57	2.25	1.48	0.68	0.55	0.72
MAX	4.0	2.5	3.1	2.7	2.5	3.1	4.2	4.1	3.1	0.88	3.6	1.6
MIN	2.3	2.2	2.1	2.2	1.8	1.8	2.1	1.7	0.92	0.55	0.27	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2002, BY WATER YEAR (WY)

MEAN	4.97	5.14	5.70	5.65	5.92	6.89	8.01	7.62	7.47	5.65	5.29	4.87
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	0.93	1.69	1.98	2.16	2.04	2.26	1.95	2.25	1.48	0.68	0.55	0.55
(WY)	1989	1982	1996	1989	2002	2002	1995	2002	2002	2002	2002	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1978 - 2002	
ANNUAL TOTAL	1878.3		681.58			
ANNUAL MEAN	5.15		1.87		5.98	
HIGHEST ANNUAL MEAN					12.3	1984
LOWEST ANNUAL MEAN					1.87	2002
HIGHEST DAILY MEAN	17	Mar 30	4.2	Apr 28	35	Jun 13 1998
LOWEST DAILY MEAN	2.1	Sep 13	0.27	Aug 22	0.27	Aug 22 2002
ANNUAL SEVEN-DAY MINIMUM	2.1	Dec 1	0.30	Aug 21	0.30	Sep 4 1995
10 PERCENT EXCEEDS	9.4		2.7		12	
50 PERCENT EXCEEDS	5.2		2.2		4.8	
90 PERCENT EXCEEDS	2.3		0.58		2.0	

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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 01306500.

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 NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155 ft^3/s, June 13, 1998, gage height, 3.89 ft; minimum, 9.0 ft^3/s, Aug. 18, 19, 2002, gage height, 2.24 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92 ft^3/s, Aug. 29, gage height, 3.19 ft; minimum, 9.0 ft^3/s, Aug. 18, 19, gage height, 2.24 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

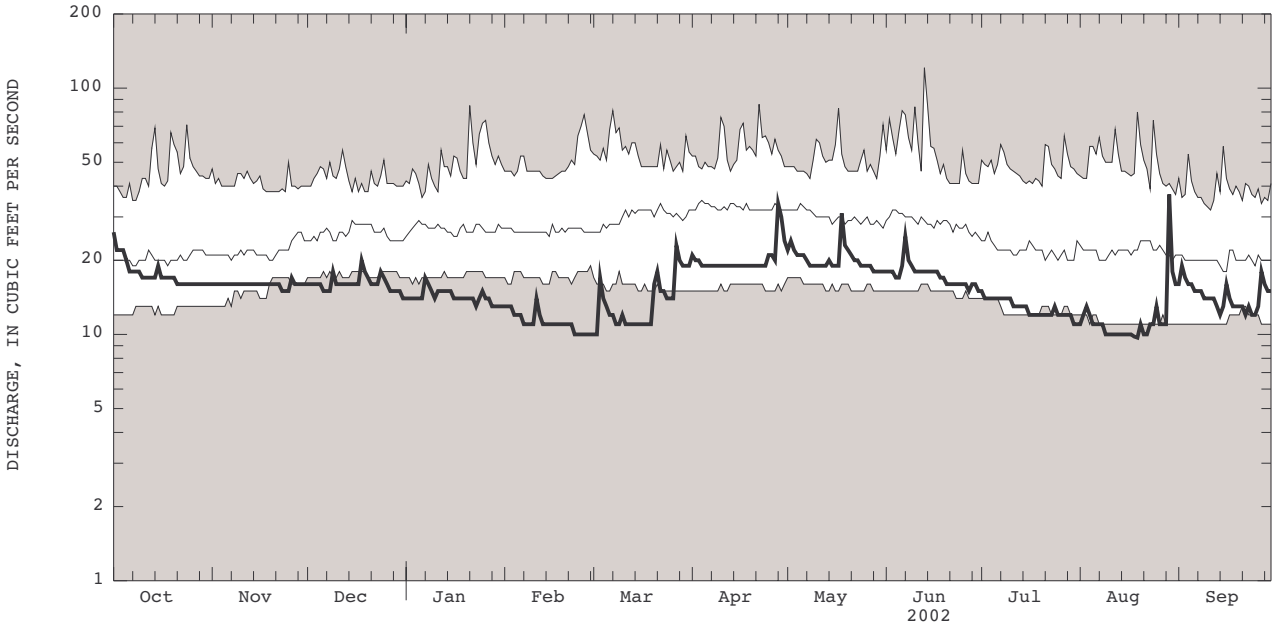
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	16	16	14	13	10	21	22	18	15	11	16
2	22	16	16	14	13	10	20	24	18	14	12	19
3	22	16	16	14	13	17	20	22	18	14	13	17
4	22	16	16	14	12	14	19	21	17	14	12	16
5	20	16	16	14	12	13	19	21	17	14	11	16
6	18	16	15	14	12	12	19	21	19	14	11	15
7	18	16	15	17	11	12	19	20	25	14	11	15
8	18	16	15	16	11	11	19	19	20	14	11	15
9	18	16	18	15	11	11	19	19	19	14	10	14
10	17	16	16	14	11	12	19	19	18	14	10	14
11	17	16	16	15	14	11	19	19	18	13	10	14
12	17	16	16	15	12	11	19	19	18	13	10	14
13	17	16	16	15	11	11	19	19	18	13	10	13
14	17	16	16	15	11	11	19	20	18	13	10	12
15	19	16	16	15	11	11	19	19	18	13	10	13
16	17	16	16	14	11	11	19	19	18	12	10	16
17	17	16	16	14	11	11	19	19	18	12	10	14
18	17	16	20	14	11	11	19	31	17	12	9.8	13
19	17	16	18	14	11	11	19	23	17	12	9.7	13
20	17	16	17	14	11	16	19	22	16	12	11	13
21	16	16	16	14	11	18	19	21	16	12	10	13
22	16	16	16	14	11	15	19	20	16	12	10	12
23	16	15	16	13	10	15	19	20	16	12	11	13
24	16	15	18	14	10	14	19	19	16	13	11	12
25	16	15	17	15	10	14	21	19	16	12	13	12
26	16	17	16	14	10	14	21	19	16	12	11	13
27	16	16	15	14	10	23	20	19	15	12	11	18
28	16	16	15	13	10	20	34	18	16	12	11	16
29	16	16	15	13	---	19	30	18	16	12	37	15
30	16	16	15	13	---	19	24	18	15	11	18	15
31	16	---	14	13	---	19	---	18	---	11	16	---
TOTAL	549	478	499	441	315	427	610	627	523	397	371.5	431
MEAN	17.7	15.9	16.1	14.2	11.2	13.8	20.3	20.2	17.4	12.8	12.0	14.4
MAX	26	17	20	17	14	23	34	31	25	15	37	19
MIN	16	15	14	13	10	10	19	18	15	11	9.7	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2002, BY WATER YEAR (WY)

MEAN	22.2	23.8	26.5	27.2	27.4	30.2	32.2	30.3	29.4	23.8	23.2	21.8
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	15.9	16.1	14.2	11.2	13.8	15.5	15.7	15.1	12.8	11.5	12.3
(WY)	1989	2002	2002	2002	2002	2002	1995	1995	1995	2002	1988	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1978 - 2002	
ANNUAL TOTAL	8573		5668.5			
ANNUAL MEAN	23.5		15.5		26.2	
HIGHEST ANNUAL MEAN					39.8	1979
LOWEST ANNUAL MEAN					15.5	1995
HIGHEST DAILY MEAN	64	Mar 30	37	Aug 29	121	Jun 13 1998
LOWEST DAILY MEAN	14	Aug 8	9.7	Aug 19	9.7	Aug 19 2002
ANNUAL SEVEN-DAY MINIMUM	15	Aug 3	9.9	Aug 13	9.9	Aug 13 2002
10 PERCENT EXCEEDS	35		19		39	
50 PERCENT EXCEEDS	20		16		24	
90 PERCENT EXCEEDS	16		11		16	

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

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

DRAINAGE AREA.--About 24 mi^2.

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum is 1.56 ft above NGVD 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 above NGVD of 1929. Prior to Aug. 10, 1965, at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft^3/s, Oct. 16, 1955; minimum daily, 9.3 ft^3/s, Nov. 25, 27, 1982, result of regulation. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 42 ft^3/s, Apr. 29; minimum daily, 14 ft^3/s, Aug. 21-23. Maximum and minimum instantaneous discharges not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

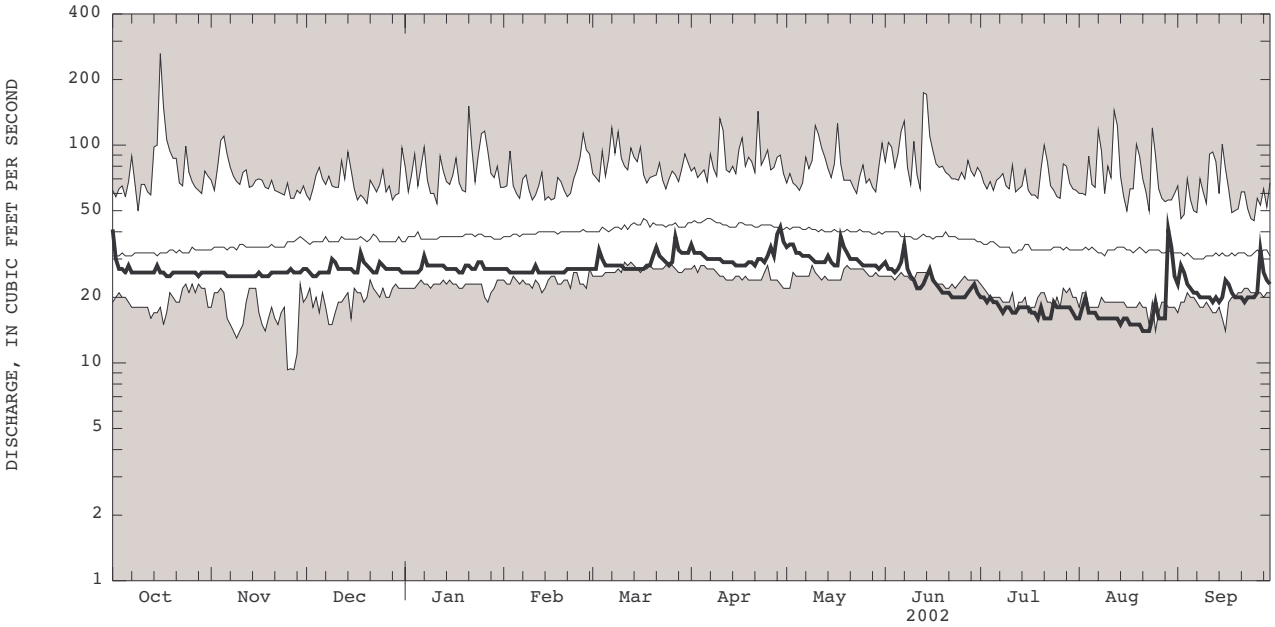
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	26	27	26	27	27	35	34	29	20	16	23
2	30	26	26	26	27	27	32	35	27	20	18	28
3	27	26	25	26	26	33	32	35	27	19	20	26
4	27	26	25	26	26	30	32	32	26	20	17	23
5	26	26	26	26	26	28	31	32	27	19	17	22
6	28	25	26	27	26	28	30	31	29	19	17	21
7	26	25	26	31	26	28	30	31	35	18	16	21
8	26	25	26	28	26	28	30	31	27	17	16	20
9	26	25	30	28	26	28	30	30	25	18	16	20
10	26	25	29	28	26	28	30	29	24	18	16	20
11	26	25	27	28	28	27	29	29	22	17	16	20
12	26	25	27	28	26	27	29	29	22	17	16	19
13	26	25	27	28	26	27	29	29	23	18	16	20
14	26	25	27	27	26	27	29	31	25	18	15	19
15	28	25	27	27	26	27	28	29	27	18	16	20
16	26	26	26	27	26	27	28	28	24	18	16	24
17	26	25	26	27	26	27	28	28	23	17	15	23
18	25	25	32	26	26	28	28	38	22	17	15	21
19	25	25	29	26	26	28	29	34	21	16	15	20
20	26	26	28	28	26	31	29	32	21	18	15	20
21	26	26	27	28	27	34	28	30	21	16	14	20
22	26	26	26	27	27	31	30	30	20	16	14	19
23	26	26	26	27	27	30	30	30	20	16	14	20
24	26	26	29	29	27	29	29	29	20	19	16	20
25	26	26	28	29	27	28	31	28	20	18	19	20
26	26	27	27	27	27	29	34	28	20	18	16	21
27	26	26	27	27	27	38	31	28	21	18	16	33
28	25	26	27	27	27	33	39	28	22	18	16	26
29	26	26	27	27	---	32	42	28	23	18	41	24
30	26	27	27	27	---	32	36	27	21	17	34	23
31	26	---	26	27	---	32	---	28	---	16	25	---
TOTAL	828	769	839	846	740	909	928	941	714	552	549	656
MEAN	26.7	25.6	27.1	27.3	26.4	29.3	30.9	30.4	23.8	17.8	17.7	21.9
MAX	41	27	32	31	28	38	42	38	35	20	41	33
MIN	25	25	25	26	26	27	28	27	20	16	14	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

MEAN	33.5	35.8	37.9	39.0	40.2	43.4	44.3	42.3	40.1	35.5	34.2	32.8
MAX	65.2	67.4	55.2	65.1	62.3	70.3	69.7	68.7	70.4	64.3	52.1	48.6
(WY)	1956	1956	1991	1979	1979	1979	1980	1998	1998	1984	1984	1984
MIN	22.0	17.3	21.8	24.0	23.8	29.3	25.8	28.2	23.8	17.8	17.7	21.2
(WY)	1967	1983	1967	1967	1967	2002	1966	1966	2002	2002	2002	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	12998		9271			
ANNUAL MEAN	35.6		25.4		38.2	
HIGHEST ANNUAL MEAN					52.5	1984
LOWEST ANNUAL MEAN					24.9	1966
HIGHEST DAILY MEAN	91	Mar 30	42	Apr 29	263	Oct 16 1955
LOWEST DAILY MEAN	24	Aug 8	14	Aug 21	9.3	Nov 25 1982
ANNUAL SEVEN-DAY MINIMUM	25	Nov 6	15	Aug 17	13	Nov 22 1982
10 PERCENT EXCEEDS	48		31		52	
50 PERCENT EXCEEDS	34		26		37	
90 PERCENT EXCEEDS	26		18		26	

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01308000 SAMPAWAMS CREEK AT BABYLON, NY

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

DRAINAGE AREA.--About 23 mi^2.

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft above NGVD 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 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 PERIOD OF RECORD.--Maximum discharge, 254 ft^3/s, June 13, 1998, gage height, 3.73 ft, from rating curve extended above 110 ft^3/s; minimum, 1.1 ft^3/s, Sept. 10, 1995, result of regulation, for part or all of each day Mar. 1, July 15-23, 2002; minimum gage height, 0.13 ft, June 28, 1963, datum then in use.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 29	1300	*136	*2.64	No other peak greater than base discharge			

Minimum discharge, 1.1 ft^3/s, for part or all of each day Mar. 1, July 15-23, gage height, 0.21 ft.

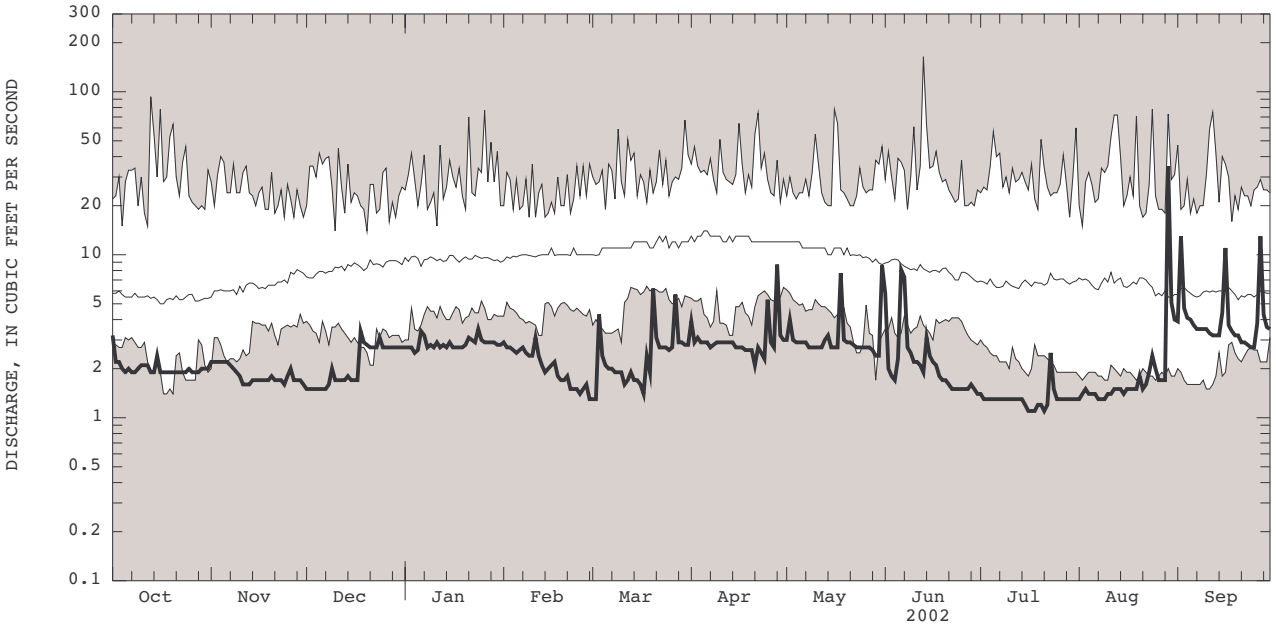
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.2	1.5	2.7	2.9	1.3	3.9	3.0	5.8	1.4	1.3	3.9
2	2.2	2.2	1.5	2.7	2.7	1.3	2.9	4.0	2.0	1.3	1.4	13
3	2.2	2.2	1.5	2.7	2.7	4.3	3.1	3.0	1.8	1.3	1.5	4.7
4	2.0	2.2	1.5	2.5	2.6	2.4	2.9	2.9	1.7	1.3	1.4	4.1
5	1.9	2.2	1.5	2.6	2.5	2.1	2.9	2.9	2.3	1.3	1.4	4.0
6	2.0	2.2	1.5	3.4	2.6	2.0	2.9	2.9	8.1	1.3	1.4	3.7
7	1.9	2.1	1.5	3.2	2.7	2.0	2.7	2.9	7.3	1.3	1.3	3.5
8	1.9	2.0	1.6	2.7	2.5	1.9	2.8	2.7	2.7	1.3	1.3	3.5
9	2.0	1.9	2.0	2.8	2.4	1.9	2.9	2.7	2.5	1.3	1.3	3.5
10	2.1	1.8	1.7	2.7	2.4	1.9	2.9	2.7	2.2	1.3	1.4	3.5
11	2.1	1.6	1.7	2.9	3.1	1.6	2.9	2.7	2.2	1.3	1.4	3.3
12	2.1	1.6	1.7	2.7	2.4	1.7	2.9	2.7	2.1	1.3	1.5	3.2
13	1.9	1.6	1.7	2.8	2.1	1.9	2.9	3.0	1.9	1.3	1.5	3.2
14	1.9	1.7	1.8	2.7	1.9	1.7	2.9	3.2	3.1	1.3	1.5	3.2
15	2.4	1.7	1.7	2.9	2.0	1.7	2.7	2.7	2.4	1.2	1.4	4.4
16	1.9	1.7	1.7	2.7	2.1	1.6	2.7	2.7	2.2	1.1	1.5	11
17	1.9	1.7	1.7	2.7	2.2	1.4	2.7	2.7	2.1	1.1	1.5	3.7
18	1.9	1.7	3.4	2.7	1.8	2.4	2.6	7.7	1.8	1.1	1.5	3.4
19	1.9	1.7	2.9	2.7	1.7	1.9	2.6	3.0	1.7	1.2	1.5	3.2
20	1.9	1.8	2.8	2.8	1.7	6.2	2.6	2.9	1.7	1.2	1.8	3.2
21	1.9	1.7	2.7	3.1	1.8	3.1	2.1	2.9	1.6	1.1	1.5	2.9
22	1.9	1.7	2.7	3.0	1.5	2.7	2.7	2.8	1.5	1.2	1.6	2.9
23	1.9	1.7	2.7	2.9	1.5	2.7	2.5	2.7	1.5	2.5	1.9	2.8
24	1.9	1.6	3.1	3.5	1.5	2.7	2.3	2.7	1.5	1.5	2.4	2.7
25	2.0	1.8	2.7	3.0	1.4	2.6	5.3	2.7	1.5	1.3	2.0	2.7
26	1.9	2.0	2.7	2.9	1.5	2.7	2.9	2.7	1.5	1.3	1.7	3.8
27	1.9	1.7	2.7	2.9	1.6	5.7	2.7	2.7	1.5	1.3	1.7	13
28	1.9	1.7	2.7	2.9	1.3	2.9	8.7	2.6	1.6	1.3	1.7	4.3
29	2.0	1.7	2.7	2.9	---	2.9	3.2	2.4	1.5	1.3	35	3.6
30	2.0	1.6	2.7	2.8	---	2.8	3.0	2.4	1.4	1.3	5.1	3.5
31	2.0	---	2.7	2.8	---	2.8	---	8.6	---	1.3	4.0	---
TOTAL	62.6	55.0	67.0	88.3	59.1	76.8	92.8	98.2	72.7	40.6	87.4	131.4
MEAN	2.02	1.83	2.16	2.85	2.11	2.48	3.09	3.17	2.42	1.31	2.82	4.38
MAX	3.2	2.2	3.4	3.5	3.1	6.2	8.7	8.6	8.1	2.5	35	13
MIN	1.9	1.6	1.5	2.5	1.3	1.3	2.1	2.4	1.4	1.1	1.3	2.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

MEAN	6.98	7.82	9.02	9.92	10.5	12.1	13.1	11.3	9.85	8.23	7.65	7.09
MAX	22.5	19.9	14.8	19.6	16.6	20.1	23.7	20.7	24.3	21.9	20.5	16.3
(WY)	1991	1956	1997	1978	1979	1958	1983	1989	1998	1975	1989	1989
MIN	2.02	1.83	2.16	2.85	2.11	2.48	3.09	3.17	2.42	1.31	2.01	3.23
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	1995	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1945 - 2002	
ANNUAL TOTAL	2460.5		931.9			
ANNUAL MEAN	6.74		2.55		9.51	
HIGHEST ANNUAL MEAN					15.4	1984
LOWEST ANNUAL MEAN					2.55	2002
HIGHEST DAILY MEAN	67	Mar 30	35	Aug 29	164	Jun 13 1998
LOWEST DAILY MEAN	1.5	Dec 1	1.1	Jul 16	1.1	Jul 16 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Dec 1	1.1	Jul 15	1.1	Jul 15 2002
10 PERCENT EXCEEDS	14		3.4		16	
50 PERCENT EXCEEDS	3.6		2.2		8.4	
90 PERCENT EXCEEDS	1.8		1.4		4.2	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

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.

DRAINAGE AREA.--About 35 mi^2.

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

REVISED RECORDS.--WSP 1141: Drainage area. WDR 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 NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Occasional regulation at outlet of Southards Pond.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 369 ft^3/s, Apr. 22, 2000, gage height, 2.58 ft; minimum, 0.05 ft^3/s, Sept. 4, 1963, July 6, 1966, Aug. 29, 1972, result of regulation, Jan. 18, 2000, result of freezeup; minimum gage height, 0.03 ft, Sept. 4, 1963, July 6, 1966, Aug. 29, 1972, result of regulation, Jan. 18, 2000, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 253 ft^3/s, Aug. 29, gage height, 2.15 ft; minimum, 2.2 ft^3/s, Aug. 19, 20, gage height 0.19 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	8.2	9.3	9.8	11	8.2	24	19	27	7.8	3.9	15
2	13	8.2	9.0	9.5	10	8.2	15	24	15	7.5	4.2	28
3	11	8.4	8.6	9.4	9.8	28	15	19	12	7.4	6.8	30
4	10	8.2	8.6	9.4	9.8	14	14	15	11	6.8	4.6	19
5	10	8.4	8.6	9.4	9.4	11	13	15	14	6.4	4.2	15
6	10	7.9	8.9	11	9.4	11	12	14	18	5.8	4.2	13
7	9.6	8.0	8.6	22	9.8	10	12	14	46	5.4	3.6	13
8	9.0	8.3	9.1	12	9.7	10	12	13	19	5.1	3.5	12
9	9.0	8.5	18	11	9.2	9.9	12	13	16	4.9	3.3	11
10	9.0	8.5	11	11	9.2	10	12	13	14	6.0	3.3	11
11	9.2	8.7	10	12	16	9.0	11	12	13	5.6	3.2	10
12	9.0	8.2	9.5	12	10	9.3	11	12	13	5.0	3.1	8.9
13	9.0	8.2	10	12	9.6	10	11	16	13	4.8	3.1	8.6
14	9.0	8.7	10	11	9.0	9.8	11	22	19	4.4	3.1	8.6
15	14	8.9	11	11	9.0	9.4	11	14	20	4.1	2.9	8.7
16	10	8.6	9.3	10	9.3	9.3	10	12	15	4.3	3.1	e25
17	9.1	8.4	9.4	9.8	10	8.6	10	12	14	4.2	3.2	e20
18	8.4	8.3	22	9.7	9.0	11	9.8	41	13	3.9	2.8	15
19	8.4	8.6	14	9.7	8.6	11	10	22	12	3.6	2.5	13
20	8.6	9.3	12	10	8.9	23	13	16	11	3.4	5.0	11
21	8.6	8.7	11	12	9.4	26	11	15	11	3.2	4.8	10
22	8.6	8.6	10	12	8.9	14	14	14	10	2.9	3.7	9.6
23	8.6	8.6	10	11	8.6	12	14	14	10	e7.0	6.1	8.8
24	8.6	8.8	17	16	8.4	12	11	13	9.5	e4.5	5.2	8.0
25	8.5	9.3	13	14	8.3	11	19	12	9.2	e4.0	14	7.4
26	8.0	13	11	11	8.6	12	21	12	8.5	e4.0	6.3	7.3
27	7.8	9.9	11	11	8.9	31	13	12	8.0	e4.0	5.1	e25
28	7.7	9.4	11	11	8.5	16	42	12	11	e4.0	4.5	e20
29	7.7	9.3	11	11	---	14	29	11	9.0	e4.0	112	16
30	8.2	9.4	10	11	---	13	18	11	8.0	e4.0	77	14
31	8.0	---	9.6	10	---	14	---	12	---	e4.0	20	---
TOTAL	294.6	263.5	341.5	351.7	266.3	405.7	440.8	476	429.2	152.0	332.3	421.9
MEAN	9.50	8.78	11.0	11.3	9.51	13.1	14.7	15.4	14.3	4.90	10.7	14.1
MAX	19	13	22	22	16	31	42	41	46	7.8	112	30
MIN	7.7	7.9	8.6	9.4	8.3	8.2	9.8	11	8.0	2.9	2.5	7.3

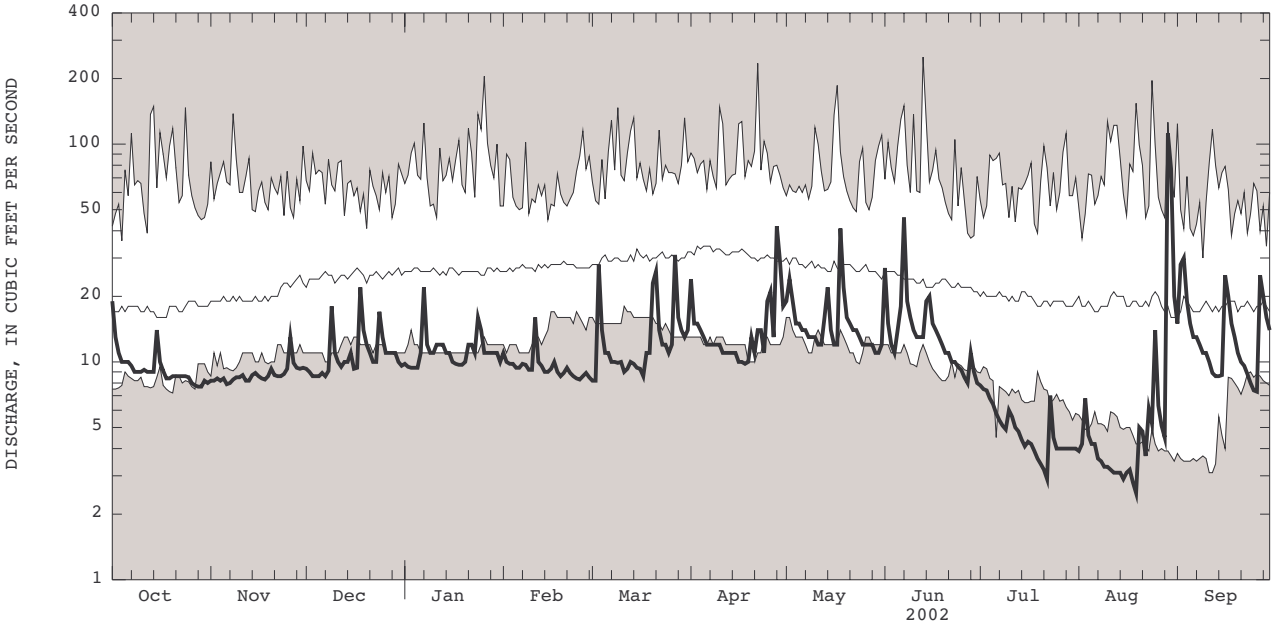
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

MEAN	20.0	23.1	26.1	27.8	28.9	32.3	33.5	29.6	25.7	21.1	20.7	19.4
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	9.50	8.78	11.0	11.3	9.51	13.1	13.2	13.7	11.2	4.90	5.22	8.30
(WY)	2002	2002	2002	2002	2002	2002	1966	1995	1995	2002	1995	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1945 - 2002	
ANNUAL TOTAL	7180.8		4175.5			
ANNUAL MEAN	19.7		11.4		25.7	
HIGHEST ANNUAL MEAN					39.9	1978
LOWEST ANNUAL MEAN					11.4	2002
HIGHEST DAILY MEAN	132	Mar 30	112	Aug 29	251	Jun 13 1998
LOWEST DAILY MEAN	7.6	Sep 13	2.5	Aug 19	2.5	Aug 19 2002
ANNUAL SEVEN-DAY MINIMUM	7.9	Oct 26	3.0	Aug 13	3.0	Aug 13 2002
10 PERCENT EXCEEDS	34		17		40	
50 PERCENT EXCEEDS	16		10		23	
90 PERCENT EXCEEDS	8.5		4.6		13	

e Estimated

01308500 CARLLS RIVER AT BABYLON, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01309225 GREAT SOUTH BAY AT LINDENHURST, NY

LOCATION.--Lat 40°40'09", long 73°21'22", Suffolk County, Hydrologic Unit 2030202, at Lindenhurst Village Dock, in Lindenhurst.

PERIOD OF RECORD.--July to September 2002.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records good. Satellite and telephone elevation telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tide of Dec. 11, 1992, reached an elevation of 6.0 ft, from high-water mark at site 3.2 mi west.

EXTREMES FOR CURRENT PERIOD.--July to September 2002: Maximum elevation, 2.66 ft, Aug. 29; minimum, 0.05 ft, July 23.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.32	1.62
2	---	---	---	---	---	---	---	---	---	---	1.41	1.61
3	---	---	---	---	---	---	---	---	---	---	1.25	1.52
4	---	---	---	---	---	---	---	---	---	---	1.13	1.51
5	---	---	---	---	---	---	---	---	---	---	1.06	1.41
6	---	---	---	---	---	---	---	---	---	---	1.06	1.37
7	---	---	---	---	---	---	---	---	---	---	1.19	1.31
8	---	---	---	---	---	---	---	---	---	---	1.22	1.27
9	---	---	---	---	---	---	---	---	---	---	1.26	1.30
10	---	---	---	---	---	---	---	---	---	---	1.20	1.55
11	---	---	---	---	---	---	---	---	---	1.09	1.21	1.42
12	---	---	---	---	---	---	---	---	---	1.09	1.25	1.13
13	---	---	---	---	---	---	---	---	---	1.12	1.18	1.10
14	---	---	---	---	---	---	---	---	---	1.22	1.09	1.01
15	---	---	---	---	---	---	---	---	---	1.30	1.02	1.15
16	---	---	---	---	---	---	---	---	---	1.39	0.93	1.09
17	---	---	---	---	---	---	---	---	---	1.52	1.01	1.19
18	---	---	---	---	---	---	---	---	---	1.45	1.19	1.37
19	---	---	---	---	---	---	---	---	---	1.45	1.28	1.37
20	---	---	---	---	---	---	---	---	---	1.48	1.32	1.32
21	---	---	---	---	---	---	---	---	---	1.35	1.26	1.34
22	---	---	---	---	---	---	---	---	---	1.14	1.17	1.38
23	---	---	---	---	---	---	---	---	---	0.97	1.24	1.43
24	---	---	---	---	---	---	---	---	---	1.14	1.49	1.38
25	---	---	---	---	---	---	---	---	---	1.34	1.53	1.36
26	---	---	---	---	---	---	---	---	---	1.40	1.34	1.63
27	---	---	---	---	---	---	---	---	---	1.39	1.26	1.86
28	---	---	---	---	---	---	---	---	---	1.39	1.45	1.45
29	---	---	---	---	---	---	---	---	---	1.46	1.74	1.28
30	---	---	---	---	---	---	---	---	---	1.46	1.23	1.23
31	---	---	---	---	---	---	---	---	---	1.32	1.38	---
MEAN	---	---	---	---	---	---	---	---	---	---	1.25	1.37
MAX	---	---	---	---	---	---	---	---	---	---	1.74	1.86
MIN	---	---	---	---	---	---	---	---	---	---	0.93	1.01

01309225 GREAT SOUTH BAY AT LINDENHURST, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.89	2.23
2	---	---	---	---	---	---	---	---	---	---	2.06	2.36
3	---	---	---	---	---	---	---	---	---	---	1.88	2.30
4	---	---	---	---	---	---	---	---	---	---	1.86	2.36
5	---	---	---	---	---	---	---	---	---	---	1.94	2.32
6	---	---	---	---	---	---	---	---	---	---	1.98	2.26
7	---	---	---	---	---	---	---	---	---	---	2.16	2.20
8	---	---	---	---	---	---	---	---	---	---	2.19	2.14
9	---	---	---	---	---	---	---	---	---	---	2.20	2.16
10	---	---	---	---	---	---	---	---	---	---	2.18	2.46
11	---	---	---	---	---	---	---	---	---	2.05	1.95	2.40
12	---	---	---	---	---	---	---	---	---	2.07	2.11	2.01
13	---	---	---	---	---	---	---	---	---	1.74	2.02	1.95
14	---	---	---	---	---	---	---	---	---	2.07	1.90	1.77
15	---	---	---	---	---	---	---	---	---	2.10	1.79	1.84
16	---	---	---	---	---	---	---	---	---	2.08	1.70	1.90
17	---	---	---	---	---	---	---	---	---	2.26	1.85	2.07
18	---	---	---	---	---	---	---	---	---	2.17	2.09	2.16
19	---	---	---	---	---	---	---	---	---	2.25	2.19	2.21
20	---	---	---	---	---	---	---	---	---	2.37	2.18	2.11
21	---	---	---	---	---	---	---	---	---	2.22	2.09	2.05
22	---	---	---	---	---	---	---	---	---	2.03	1.98	2.21
23	---	---	---	---	---	---	---	---	---	2.08	2.23	2.21
24	---	---	---	---	---	---	---	---	---	2.31	2.39	2.12
25	---	---	---	---	---	---	---	---	---	2.31	2.15	2.07
26	---	---	---	---	---	---	---	---	---	2.22	1.93	2.43
27	---	---	---	---	---	---	---	---	---	1.91	1.94	2.65
28	---	---	---	---	---	---	---	---	---	2.14	2.16	2.17
29	---	---	---	---	---	---	---	---	---	2.12	2.66	2.03
30	---	---	---	---	---	---	---	---	---	2.13	1.80	1.82
31	---	---	---	---	---	---	---	---	---	1.96	2.23	---
MEAN	---	---	---	---	---	---	---	---	---	---	2.05	2.17
MAX	---	---	---	---	---	---	---	---	---	---	2.66	2.65
MIN	---	---	---	---	---	---	---	---	---	---	1.70	1.77

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.79	1.98
2	---	---	---	---	---	---	---	---	---	---	1.76	1.95
3	---	---	---	---	---	---	---	---	---	---	1.79	1.87
4	---	---	---	---	---	---	---	---	---	---	1.46	1.93
5	---	---	---	---	---	---	---	---	---	---	1.41	1.91
6	---	---	---	---	---	---	---	---	---	---	1.43	2.03
7	---	---	---	---	---	---	---	---	---	---	1.65	2.03
8	---	---	---	---	---	---	---	---	---	---	1.74	2.07
9	---	---	---	---	---	---	---	---	---	---	1.86	2.12
10	---	---	---	---	---	---	---	---	---	---	1.83	*---
11	---	---	---	---	---	---	---	---	---	1.69	*---	2.01
12	---	---	---	---	---	---	---	---	---	1.65	1.99	1.79
13	---	---	---	---	---	---	---	---	---	*---	1.95	1.70
14	---	---	---	---	---	---	---	---	---	1.86	1.79	1.52
15	---	---	---	---	---	---	---	---	---	1.98	1.58	1.61
16	---	---	---	---	---	---	---	---	---	2.06	1.39	1.49
17	---	---	---	---	---	---	---	---	---	2.17	1.35	1.50
18	---	---	---	---	---	---	---	---	---	2.07	1.54	1.84
19	---	---	---	---	---	---	---	---	---	1.89	1.70	1.90
20	---	---	---	---	---	---	---	---	---	1.91	1.82	1.90
21	---	---	---	---	---	---	---	---	---	1.81	1.78	2.01
22	---	---	---	---	---	---	---	---	---	1.59	1.70	2.02
23	---	---	---	---	---	---	---	---	---	1.46	1.80	1.95
24	---	---	---	---	---	---	---	---	---	1.68	2.06	1.91
25	---	---	---	---	---	---	---	---	---	1.89	2.09	*---
26	---	---	---	---	---	---	---	---	---	2.02	*---	2.07
27	---	---	---	---	---	---	---	---	---	*---	1.85	2.31
28	---	---	---	---	---	---	---	---	---	1.89	1.89	2.02
29	---	---	---	---	---	---	---	---	---	1.95	2.18	1.56
30	---	---	---	---	---	---	---	---	---	2.01	1.79	1.67
31	---	---	---	---	---	---	---	---	---	1.85	1.44	---
MEAN	---	---	---	---	---	---	---	---	---	---	1.74	1.88
MAX	---	---	---	---	---	---	---	---	---	---	2.18	2.31
MIN	---	---	---	---	---	---	---	---	---	---	1.35	1.49

* Only a single high tide occurred

01309225 GREAT SOUTH BAY AT LINDENHURST, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.89	*---
2	---	---	---	---	---	---	---	---	---	---	*---	1.02
3	---	---	---	---	---	---	---	---	---	---	0.86	1.06
4	---	---	---	---	---	---	---	---	---	---	0.73	0.93
5	---	---	---	---	---	---	---	---	---	---	0.48	0.82
6	---	---	---	---	---	---	---	---	---	---	0.56	0.66
7	---	---	---	---	---	---	---	---	---	---	0.50	0.61
8	---	---	---	---	---	---	---	---	---	---	0.57	0.49
9	---	---	---	---	---	---	---	---	---	---	0.59	0.62
10	---	---	---	---	---	---	---	---	---	---	0.52	1.00
11	---	---	---	---	---	---	---	---	---	0.45	0.53	0.97
12	---	---	---	---	---	---	---	---	---	0.50	0.60	0.53
13	---	---	---	---	---	---	---	---	---	0.49	0.56	0.55
14	---	---	---	---	---	---	---	---	---	0.59	0.43	0.44
15	---	---	---	---	---	---	---	---	---	0.70	0.46	*---
16	---	---	---	---	---	---	---	---	---	0.88	0.38	0.56
17	---	---	---	---	---	---	---	---	---	0.94	*---	0.60
18	---	---	---	---	---	---	---	---	---	*---	0.53	0.75
19	---	---	---	---	---	---	---	---	---	0.81	0.68	0.71
20	---	---	---	---	---	---	---	---	---	0.93	0.72	0.68
21	---	---	---	---	---	---	---	---	---	0.81	0.67	0.69
22	---	---	---	---	---	---	---	---	---	0.58	0.56	0.80
23	---	---	---	---	---	---	---	---	---	0.43	0.59	0.86
24	---	---	---	---	---	---	---	---	---	0.46	0.92	0.88
25	---	---	---	---	---	---	---	---	---	0.78	0.92	0.88
26	---	---	---	---	---	---	---	---	---	0.77	0.81	1.13
27	---	---	---	---	---	---	---	---	---	0.83	0.69	1.28
28	---	---	---	---	---	---	---	---	---	0.85	1.06	0.97
29	---	---	---	---	---	---	---	---	---	0.99	1.35	0.84
30	---	---	---	---	---	---	---	---	---	0.99	0.70	*---
31	---	---	---	---	---	---	---	---	---	0.82	1.14	---
MEAN	---	---	---	---	---	---	---	---	---	---	0.69	0.79
MAX	---	---	---	---	---	---	---	---	---	---	1.35	1.28
MIN	---	---	---	---	---	---	---	---	---	---	0.38	0.44

* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.72	1.07
2	---	---	---	---	---	---	---	---	---	---	0.72	1.00
3	---	---	---	---	---	---	---	---	---	---	0.66	0.85
4	---	---	---	---	---	---	---	---	---	---	0.49	0.78
5	---	---	---	---	---	---	---	---	---	---	0.31	0.58
6	---	---	---	---	---	---	---	---	---	---	0.24	0.59
7	---	---	---	---	---	---	---	---	---	---	0.46	0.46
8	---	---	---	---	---	---	---	---	---	---	0.51	0.49
9	---	---	---	---	---	---	---	---	---	---	0.49	0.54
10	---	---	---	---	---	---	---	---	---	---	0.44	0.67
11	---	---	---	---	---	---	---	---	---	0.36	0.48	0.57
12	---	---	---	---	---	---	---	---	---	0.32	0.48	0.24
13	---	---	---	---	---	---	---	---	---	0.38	0.46	0.29
14	---	---	---	---	---	---	---	---	---	0.51	0.38	0.28
15	---	---	---	---	---	---	---	---	---	0.57	0.26	0.48
16	---	---	---	---	---	---	---	---	---	0.60	0.20	0.39
17	---	---	---	---	---	---	---	---	---	0.76	0.36	0.54
18	---	---	---	---	---	---	---	---	---	0.68	0.43	0.70
19	---	---	---	---	---	---	---	---	---	0.72	0.55	0.68
20	---	---	---	---	---	---	---	---	---	0.67	0.61	0.65
21	---	---	---	---	---	---	---	---	---	0.57	0.58	0.67
22	---	---	---	---	---	---	---	---	---	0.34	0.48	0.62
23	---	---	---	---	---	---	---	---	---	0.05	0.57	0.74
24	---	---	---	---	---	---	---	---	---	0.45	0.75	0.65
25	---	---	---	---	---	---	---	---	---	0.60	0.91	0.64
26	---	---	---	---	---	---	---	---	---	0.74	0.75	0.92
27	---	---	---	---	---	---	---	---	---	0.76	0.69	1.24
28	---	---	---	---	---	---	---	---	---	0.81	0.73	0.78
29	---	---	---	---	---	---	---	---	---	0.86	1.05	0.70
30	---	---	---	---	---	---	---	---	---	0.85	0.68	0.73
31	---	---	---	---	---	---	---	---	---	0.71	0.65	---
MEAN	---	---	---	---	---	---	---	---	---	---	0.55	0.65
MAX	---	---	---	---	---	---	---	---	---	---	1.05	1.24
MIN	---	---	---	---	---	---	---	---	---	---	0.20	0.24

01310521 HUDSON BAY AT FREEPORT, NY

LOCATION.--Lat 40°37'39", long 73°34'33", Nassau County, Hydrologic Unit 2030202, at Town of Hempstead Guy Lombardo Marina, in Freeport.

PERIOD OF RECORD.--October 1999 to current year. January 1975 to November 1993, in files of Town of Hempstead Department of Conservation & Waterways.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. January 1975 to November 1993, water-stage recorder at site 1100 ft west.

REMARKS.--Records excellent except those in November, which are good; in October, December, February, and March, which are fair; and in January, which are poor. Satellite and telephone elevation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.25 ft, Mar. 7, 2001; minimum, -3.86 ft, Feb. 11, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tides of Dec. 11, 1992, and Oct. 31, 1991, reached elevations of 7.2 and 7.0 ft, respectively, from information provided by Town of Hempstead Department of Conservation & Waterways. Minimum elevation recorded, -4.4 ft, Mar. 16, 1980, from information provided by Town of Hempstead Department of Conservation & Waterways.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.65 ft, Oct. 1; minimum, -3.60 ft, Jan. 14.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.52	0.94	0.89	0.27	1.26	0.07	0.81	0.92	1.00	0.58	1.25	1.58
2	1.64	1.01	0.74	0.02	-0.05	0.38	0.40	1.38	0.90	0.57	1.33	1.59
3	1.34	0.84	0.79	0.38	0.79	1.27	0.54	0.68	0.87	0.80	1.17	1.49
4	1.22	1.09	0.56	0.64	1.17	0.15	0.26	0.26	0.80	0.93	1.08	1.49
5	1.15	0.72	0.71	0.42	1.04	-0.13	0.42	0.63	1.03	0.76	1.12	1.33
6	1.05	0.87	0.74	0.83	0.60	-0.04	0.50	0.79	0.95	0.83	1.04	1.28
7	0.62	0.71	0.60	0.93	1.01	0.06	0.65	0.75	1.65	0.82	1.20	1.14
8	0.25	1.08	0.90	0.78	1.12	0.51	0.50	0.90	1.44	0.85	1.14	1.10
9	0.76	0.83	1.34	0.52	0.97	0.63	0.71	1.07	0.98	0.90	1.11	1.13
10	0.31	1.00	1.04	0.43	1.07	-0.12	0.27	0.79	0.96	0.95	1.06	1.51
11	0.73	0.72	0.92	0.76	0.65	-0.57	0.51	0.26	1.07	1.02	1.03	1.17
12	1.08	0.77	1.29	0.48	1.04	0.25	0.61	0.59	1.21	0.96	1.02	1.01
13	1.41	0.79	1.40	0.51	0.32	0.80	0.54	1.30	1.52	0.97	0.96	1.01
14	1.91	0.59	1.26	-0.70	0.33	0.70	0.50	1.14	1.67	1.04	0.90	0.91
15	1.52	0.84	0.68	0.60	0.41	0.65	0.73	0.15	1.85	1.13	0.87	1.10
16	1.48	0.90	0.93	0.18	0.77	0.56	0.69	0.55	1.65	1.21	0.81	1.06
17	0.85	1.06	1.36	0.58	0.91	0.97	0.71	0.55	1.27	1.41	0.95	1.23
18	0.20	0.86	1.23	0.29	0.94	1.09	0.84	1.22	1.04	1.28	1.23	1.37
19	0.74	0.75	1.07	0.51	1.31	0.93	0.90	0.81	0.85	1.38	1.29	1.35
20	0.86	0.68	0.92	0.95	1.16	1.39	0.84	0.70	0.73	1.39	1.26	1.26
21	0.90	0.94	0.19	0.76	1.18	1.00	0.87	0.61	0.69	1.27	1.17	1.24
22	0.73	0.91	0.87	-0.53	0.85	-0.08	1.28	0.62	0.67	1.10	1.13	1.32
23	1.23	0.97	1.05	0.29	0.70	-0.16	1.18	0.81	0.79	0.85	1.12	1.30
24	1.34	1.09	1.26	0.62	0.96	-0.10	1.23	1.00	0.76	1.06	1.47	1.28
25	1.37	1.18	0.89	0.68	1.06	0.76	1.43	1.07	0.94	1.26	1.35	1.28
26	0.79	1.01	1.24	0.30	1.38	1.26	0.93	1.04	1.00	1.31	1.17	1.62
27	0.67	1.06	0.98	0.61	1.16	1.10	0.70	0.91	0.85	1.27	1.09	1.89
28	0.97	1.02	0.66	1.02	-0.16	0.92	1.21	0.77	0.72	1.29	1.42	1.19
29	0.89	1.55	0.60	1.22	---	0.88	1.21	0.86	0.77	1.37	1.57	1.29
30	0.88	1.26	0.41	1.11	---	1.07	0.99	0.93	0.76	1.37	1.08	1.12
31	1.08	---	-0.03	1.46	---	0.84	---	1.13	---	1.23	1.41	---
MEAN	1.05	0.93	0.89	0.55	0.86	0.55	0.77	0.81	1.05	1.07	1.15	1.29
MAX	2.52	1.55	1.40	1.46	1.38	1.39	1.43	1.38	1.85	1.41	1.57	1.89
MIN	0.20	0.59	-0.03	-0.70	-0.16	-0.57	0.26	0.15	0.67	0.57	0.81	0.91

CAL YR 2001 MEAN 0.99 MAX 2.86 MIN -1.04
WTR YR 2002 MEAN 0.91 MAX 2.52 MIN -0.70

01310521 HUDSON BAY AT FREEPORT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.65	3.24	3.56	3.41	4.37	2.95	3.08	3.39	2.63	2.11	2.89	3.30
2	3.57	3.46	3.61	3.14	2.53	3.72	2.14	3.19	2.83	2.16	3.11	3.52
3	3.46	3.27	3.59	3.20	2.98	3.58	3.23	3.52	2.52	2.58	2.87	3.64
4	3.45	3.57	3.25	3.20	3.47	2.11	2.61	2.12	2.46	2.79	3.13	3.89
5	3.38	3.12	3.25	2.91	3.23	2.37	2.25	2.19	2.72	2.66	3.36	4.07
6	3.39	3.10	3.19	2.77	3.01	2.28	2.27	2.43	2.77	2.95	3.67	4.04
7	2.93	2.63	2.97	2.92	2.97	1.75	2.45	2.50	3.95	3.09	3.92	4.10
8	2.23	3.31	2.87	2.97	3.36	2.36	2.33	2.76	3.50	3.32	3.94	3.88
9	2.95	2.98	3.58	2.84	3.08	2.36	2.53	3.05	3.34	3.44	4.04	4.00
10	2.42	3.08	3.44	2.89	3.30	2.63	2.23	2.89	3.54	3.78	3.92	4.44
11	3.04	3.19	3.42	3.53	3.49	1.64	2.75	2.68	3.77	3.81	3.73	4.13
12	3.34	3.52	3.77	2.80	3.67	2.35	2.78	3.17	4.08	3.78	3.58	3.74
13	3.85	3.61	4.27	3.83	3.11	2.96	2.93	3.95	4.24	3.70	3.53	3.33
14	4.46	3.41	3.89	1.76	2.67	2.75	2.98	3.25	4.65	3.72	3.47	3.13
15	4.03	3.75	3.07	3.07	2.58	2.66	2.93	2.81	4.14	3.42	3.31	3.08
16	4.28	3.87	3.63	2.25	2.76	2.68	2.90	2.89	3.54	3.51	3.22	3.13
17	4.08	3.89	3.84	3.05	2.83	3.20	2.94	3.15	3.68	3.78	3.26	3.51
18	3.18	3.49	3.57	2.43	2.35	3.09	3.13	2.53	3.28	3.76	3.52	3.54
19	3.66	3.05	3.01	2.05	3.19	2.99	2.40	3.27	3.19	3.93	3.76	3.65
20	3.46	2.57	2.72	2.73	2.99	3.05	3.14	2.73	3.31	4.01	3.65	3.45
21	3.28	2.86	1.83	2.63	3.11	2.92	2.98	2.79	3.44	3.81	3.66	3.31
22	2.87	2.61	2.45	1.39	2.90	2.01	3.14	3.11	3.52	3.63	3.51	3.52
23	3.11	2.50	2.46	2.00	2.64	1.68	3.40	3.56	3.76	3.12	3.67	3.44
24	2.86	2.57	3.10	2.61	3.13	1.66	3.77	3.94	3.72	3.92	3.76	3.42
25	2.82	2.66	2.34	2.86	3.49	2.84	4.32	4.29	3.84	3.87	3.35	3.19
26	2.33	2.76	3.12	2.78	4.03	3.65	3.89	4.12	3.60	3.71	3.01	3.56
27	2.45	2.93	3.30	2.99	4.48	3.94	3.73	3.96	3.15	3.41	3.00	3.67
28	2.84	3.22	3.03	3.78	2.84	3.80	4.50	3.69	2.90	3.39	3.30	2.97
29	2.92	3.85	3.07	4.23	---	4.10	3.85	3.56	2.86	3.15	3.38	3.18
30	2.89	3.79	3.31	4.19	---	3.84	3.46	3.30	2.44	3.03	2.84	2.79
31	3.29	---	2.83	4.40	---	3.90	---	3.11	---	2.97	3.21	---
MEAN	3.27	3.20	3.20	2.96	3.16	2.83	3.03	3.16	3.38	3.36	3.44	3.55
MAX	4.65	3.89	4.27	4.40	4.48	4.10	4.50	4.29	4.65	4.01	4.04	4.44
MIN	2.23	2.50	1.83	1.39	2.35	1.64	2.14	2.12	2.44	2.11	2.84	2.79

CAL YR 2001 MEAN 3.28 MAX 5.25 MIN 1.51
WTR YR 2002 MEAN 3.21 MAX 4.65 MIN 1.39

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.11	2.82	2.51	2.05	2.59	2.83	3.08	2.59	*---	*---	2.59	2.79
2	3.57	2.76	2.47	2.14	*---	2.98	*---	*---	2.25	2.14	2.49	2.55
3	3.38	2.54	2.42	2.77	2.94	3.03	2.20	2.07	2.46	2.15	2.60	2.74
4	3.00	2.81	2.44	*---	3.11	*---	1.79	1.73	2.20	2.23	2.08	2.93
5	2.87	2.22	*---	2.54	2.82	1.64	1.69	2.18	2.46	2.06	2.32	3.11
6	2.47	*---	2.69	2.69	1.86	1.31	1.89	2.33	2.23	2.08	2.42	3.50
7	1.94	2.55	2.66	2.67	2.45	1.44	2.06	2.29	2.47	2.19	2.85	3.62
8	*---	2.30	2.67	2.42	2.51	1.76	2.20	2.42	2.94	2.17	3.03	3.87
9	2.05	2.86	3.27	1.91	2.41	2.10	2.29	2.67	2.48	2.38	3.21	3.72
10	2.00	2.81	2.90	2.08	2.96	0.60	2.04	2.53	2.40	2.59	3.32	3.87
11	1.88	2.72	2.79	2.36	2.19	1.18	2.35	1.89	2.72	3.03	3.57	2.67
12	2.63	2.76	3.36	2.54	2.33	2.14	2.59	2.16	2.87	2.94	3.49	*---
13	3.17	3.05	3.21	0.82	1.74	2.82	2.43	3.01	3.27	3.13	3.10	2.72
14	4.05	2.86	3.37	1.68	2.02	2.68	2.23	3.14	3.34	3.22	*---	2.32
15	3.83	3.15	2.66	2.18	2.18	2.62	2.48	1.31	3.84	*---	2.68	2.58
16	4.15	2.70	2.51	1.93	2.56	2.57	2.38	2.23	*---	3.37	2.36	2.49
17	2.43	2.96	3.19	1.78	*---	3.00	2.14	1.99	3.29	3.34	2.33	2.37
18	2.77	2.26	2.60	1.59	2.27	2.90	2.31	*---	3.20	3.13	2.52	2.96
19	2.74	2.41	2.70	*---	2.64	2.45	*---	2.61	3.01	3.04	2.72	3.13
20	2.63	*---	*---	2.62	2.37	*---	2.08	2.57	2.69	2.97	2.78	3.13
21	2.22	1.93	1.66	2.30	2.42	2.13	2.45	2.68	2.47	2.80	2.79	3.17
22	*---	2.31	2.26	0.51	1.78	1.31	3.06	2.72	2.41	2.58	2.89	3.33
23	2.24	2.11	2.19	1.33	2.14	1.13	3.37	2.79	2.57	2.63	2.79	3.03
24	2.74	2.42	2.60	1.94	2.57	1.52	3.41	3.05	2.59	2.77	3.25	2.94
25	2.65	2.60	2.26	2.07	3.11	2.69	3.80	3.12	2.72	2.98	3.22	3.09
26	2.19	2.46	2.83	1.63	3.85	3.46	3.70	3.14	2.78	3.25	2.97	3.21
27	1.92	2.70	2.40	2.85	3.32	3.43	3.25	3.00	2.61	3.07	2.72	3.25
28	2.51	2.77	2.57	3.09	2.48	3.65	3.94	2.74	2.53	2.95	3.11	*---
29	2.67	3.30	2.39	3.38	---	3.61	3.40	2.72	2.44	3.06	*---	2.27
30	2.82	3.15	1.86	3.44	---	3.65	3.01	2.66	2.35	*---	2.55	2.40
31	3.08	---	2.00	3.94	---	3.36	---	2.72	---	2.77	2.18	---
MEAN	2.78	2.65	2.60	2.25	2.52	2.41	2.63	2.52	2.70	2.75	2.79	2.99
MAX	4.15	3.30	3.37	3.94	3.85	3.65	3.94	3.14	3.84	3.37	3.57	3.87
MIN	1.88	1.93	1.66	0.51	1.74	0.60	1.69	1.31	2.20	2.06	2.08	2.27

CAL YR 2001 MEAN 2.72 MAX 4.90 MIN 0.82
WTR YR 2002 MEAN 2.63 MAX 4.15 MIN 0.51

01310521 HUDSON BAY AT FREEPORT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.94	-1.32	-1.12	-2.25	-0.91	-2.83	-1.32	-0.88	-0.19	-0.68	-0.02	0.32
2	-0.29	-1.17	-1.65	-2.59	-2.52	-2.25	-1.47	0.00	-0.41	-0.60	-0.08	0.16
3	-0.85	-1.33	-1.59	-1.90	-1.04	-0.04	-1.08	-0.76	-0.39	-0.37	-0.57	-0.33
4	-0.97	-1.03	-1.71	-1.46	-0.60	-2.03	-1.09	-0.86	-0.41	-0.52	-0.64	*---
5	-0.88	-1.27	-1.43	-1.58	-0.59	-2.04	-0.86	-0.54	-0.52	-0.85	-0.78	-1.02
6	-0.64	-0.96	-1.06	-1.06	-1.24	-1.65	-1.06	-0.70	-0.56	-0.95	*---	-1.40
7	-1.22	-0.95	-1.18	-0.76	-0.58	-1.14	-0.93	-0.87	-0.26	*---	-1.09	-1.68
8	-1.48	-0.39	-1.04	-1.07	-0.87	-0.95	-1.07	*---	*---	-1.19	-1.39	-1.78
9	-0.78	-1.33	-0.32	-1.63	*---	-0.56	*---	-0.79	-1.09	-1.31	-1.55	-1.64
10	-1.39	-0.85	-1.12	-1.56	-1.13	*---	-1.34	-1.02	-1.23	-1.33	-1.59	-0.91
11	-1.03	-1.64	-1.37	*---	-0.37	-2.77	-1.63	-1.82	-1.21	-1.37	-1.51	-0.73
12	-0.91	-1.72	*---	-2.11	-0.98	-1.97	-1.55	-1.55	-0.94	-1.47	-1.40	-0.63
13	-0.83	*---	-1.03	-0.97	-1.46	-1.37	-1.68	-0.78	-0.67	-1.33	-1.11	-0.60
14	*---	-2.16	-1.28	-3.04	-1.85	-1.19	-1.73	-0.74	-0.30	-1.12	-0.89	-0.56
15	-0.69	-1.74	-1.16	-1.30	-1.36	-1.45	-1.36	-2.04	-0.15	-0.88	-0.88	-0.45
16	-1.37	-1.55	-1.06	-1.96	-1.19	-1.30	-1.22	-1.10	-0.22	-0.63	-1.03	-0.63
17	-1.86	-1.16	-0.81	-0.93	-0.72	-0.98	-0.96	-1.08	-0.60	-0.44	-0.98	-0.67
18	-2.41	-1.14	-0.15	-1.06	-0.44	-0.67	-0.62	-0.07	-0.89	-0.74	-0.72	*---
19	-1.64	-1.03	-0.59	-0.89	0.11	-0.74	-0.60	-0.79	-1.32	-0.78	*---	-0.69
20	-1.20	-0.68	-0.15	-0.04	-0.06	0.34	-0.66	-0.95	-1.52	-0.80	-0.83	-0.95
21	-0.82	-0.47	-1.38	-0.21	0.10	-0.17	-0.80	-1.47	-1.88	*---	-0.92	-0.90
22	-0.90	-0.29	-0.22	-1.93	-0.46	-1.39	-0.42	-1.69	*---	-1.21	-1.09	-0.78
23	-0.05	-0.21	-0.02	-0.76	-1.14	-1.48	-1.25	-1.57	-1.81	-1.34	-0.95	-0.70
24	0.10	-0.16	-0.08	-0.76	-1.18	-1.66	*---	*---	-1.78	-0.95	-0.56	-0.66
25	0.41	-0.15	-0.67	-1.28	*---	-1.30	-1.23	-1.78	-1.34	-0.78	-0.57	-0.50
26	-0.40	-0.49	-0.39	*---	-1.38	*---	-1.48	-1.70	-1.16	-0.67	-0.67	-0.07
27	-0.83	-0.76	-0.93	-1.83	-1.47	-1.22	-2.15	-1.73	-0.98	-0.69	-0.68	0.53
28	-0.65	-1.06	*---	-1.68	-2.83	-2.09	-1.48	-1.56	-1.08	-0.39	-0.02	-0.24
29	*---	*---	-1.83	-1.57	---	-2.05	-1.27	-1.22	-0.73	-0.16	0.08	-0.04
30	-1.14	-0.98	-1.81	-1.67	---	-1.63	-0.91	-0.89	-0.61	-0.08	-0.25	-0.19
31	-1.19	---	-2.66	-1.18	---	-1.82	---	0.00	---	0.03	0.52	---
MEAN	-0.86	-1.00	-1.03	-1.41	-1.01	-1.39	-1.19	-1.07	-0.87	-0.81	-0.76	-0.63
MAX	0.94	-0.15	-0.02	-0.04	0.11	0.34	-0.42	0.00	-0.15	0.03	0.52	0.53
MIN	-2.41	-2.16	-2.66	-3.04	-2.83	-2.83	-2.15	-2.04	-1.88	-1.47	-1.59	-1.78

CAL YR 2001 MEAN -0.95 MAX 1.19 MIN -3.54
WTR YR 2002 MEAN -1.00 MAX 0.94 MIN -3.04

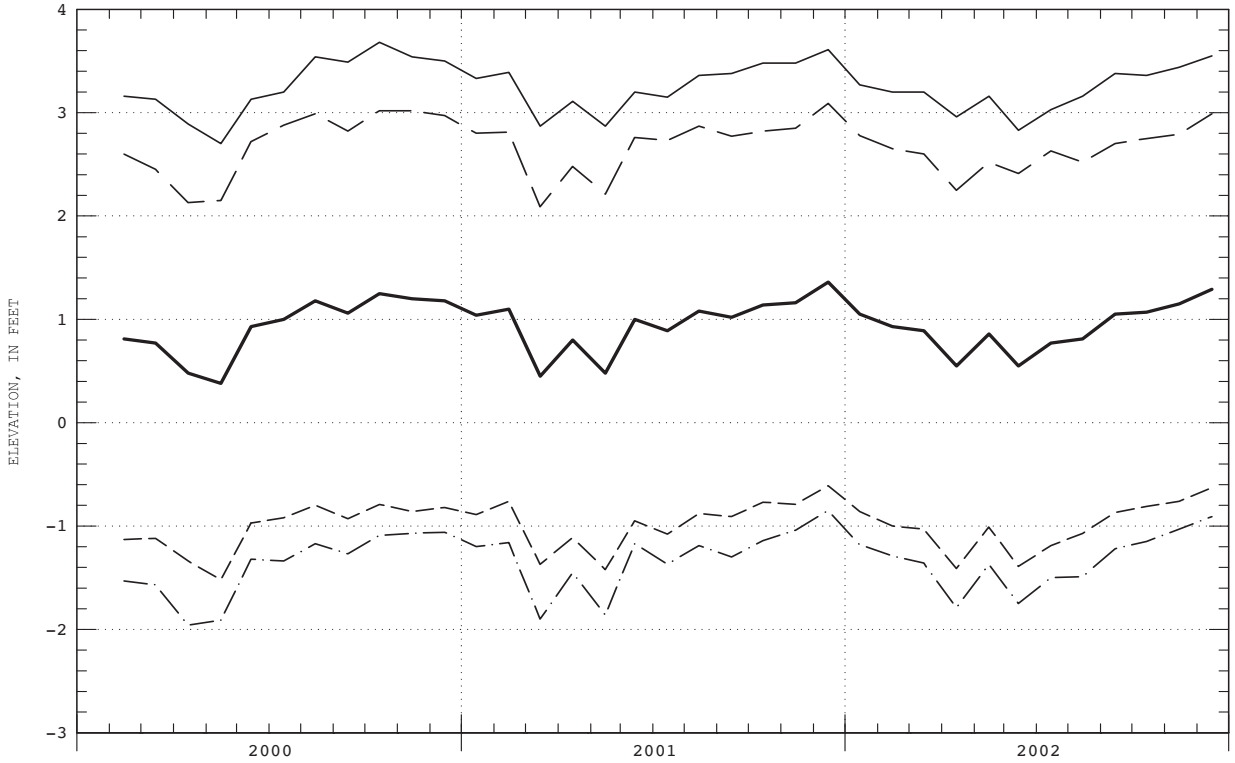
* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	-1.41	-1.60	-2.38	-1.17	-2.94	-1.76	-1.34	-0.95	-1.36	-0.46	0.01
2	-0.53	-1.40	-1.77	-2.62	-2.53	-2.73	-1.95	-0.78	-0.89	-1.36	-0.22	-0.12
3	-0.93	-1.49	-1.61	-2.35	-1.56	-1.15	-1.31	-1.28	-0.97	-1.05	-0.60	-0.63
4	-0.98	-1.26	-1.80	-1.53	-0.90	-2.03	-1.45	-1.61	-1.17	-0.81	-0.65	-0.70
5	-1.17	-1.56	-1.44	-1.77	-0.98	-2.06	-1.16	-1.23	-0.88	-1.02	-1.02	-1.17
6	-1.42	-1.02	-1.49	-1.18	-1.27	-1.96	-1.19	-0.99	-0.99	-1.08	-1.17	-1.44
7	-1.42	-1.26	-1.49	-1.40	-0.99	-1.87	-1.10	-1.18	-0.28	-1.17	-1.30	-1.69
8	-1.71	-0.60	-1.13	-1.43	-1.06	-1.22	-1.53	-1.21	-0.54	-1.30	-1.41	-1.80
9	-0.94	-1.42	-1.18	-1.93	-1.20	-1.39	-1.43	-1.07	-1.14	-1.35	-1.56	-1.88
10	-1.40	-1.46	-1.61	-1.70	-1.39	-2.18	-2.02	-1.46	-1.48	-1.59	-1.77	-1.36
11	-1.13	-1.77	-1.70	-1.38	-2.48	-3.18	-1.86	-2.00	-1.44	-1.50	-1.80	-1.63
12	-1.21	-2.05	-1.20	-2.12	-1.40	-2.10	-1.70	-1.98	-1.29	-1.62	-1.69	-1.48
13	-0.98	-1.97	-1.08	-1.99	-2.25	-1.61	-1.69	-1.48	-0.86	-1.59	-1.59	-1.14
14	-0.68	-2.22	-1.29	-3.60	-1.90	-1.71	-1.80	-0.92	-0.90	-1.56	-1.54	-1.06
15	-1.49	-2.22	-1.90	-1.97	-1.63	-1.59	-1.44	-2.12	-0.26	-1.33	-1.37	-0.99
16	-1.78	-1.75	-1.56	-2.04	-1.22	-1.92	-1.43	-1.70	-0.65	-1.29	-1.20	-1.02
17	-2.16	-1.64	-0.98	-1.74	-0.77	-1.20	-1.38	-1.68	-0.91	-0.91	-1.18	-0.78
18	-3.02	-1.41	-0.71	-1.84	-1.17	-0.93	-1.12	-0.52	-1.15	-0.99	-0.89	-0.44
19	-1.99	-1.26	-0.88	-1.39	-0.36	-0.92	-0.87	-1.21	-1.51	-0.78	-0.66	-0.97
20	-1.51	-1.41	-0.81	-0.88	-0.15	-0.38	-0.87	-1.41	-1.79	-0.87	-0.94	-1.01
21	-1.11	-0.51	-1.43	-0.95	-0.26	-0.57	-0.96	-1.65	-2.00	-0.98	-1.12	-1.00
22	-0.93	-0.77	-0.76	-2.06	-0.99	-1.59	-0.91	-1.97	-2.08	-1.21	-1.22	-1.25
23	-0.25	-0.59	-0.66	-1.20	-1.22	-1.87	-1.26	-2.08	-1.97	-1.45	-1.46	-0.92
24	-0.24	-0.57	-0.85	-1.23	-1.35	-2.06	-1.56	-1.91	-1.86	-1.74	-0.96	-0.98
25	-0.46	-0.79	-0.79	-1.66	-1.62	-1.61	-1.36	-1.84	-1.77	-1.22	-1.06	-0.98
26	-1.37	-1.01	-0.63	-1.99	-1.61	-1.32	-2.34	-1.75	-1.51	-0.98	-0.90	-0.27
27	-1.30	-1.03	-1.60	-2.33	-1.69	-1.90	-2.42	-1.76	-1.39	-0.91	-0.84	0.25
28	-1.11	-1.17	-1.43	-1.74	-3.31	-2.21	-2.31	-1.83	-1.45	-0.92	-0.59	-0.28
29	-1.07	-0.62	-1.83	-1.61	---	-2.28	-1.27	-1.66	-1.41	-0.74	-0.03	-0.05
30	-1.55	-1.20	-2.28	-1.76	---	-1.90	-1.61	-1.38	-1.23	-0.50	-0.38	-0.52
31	-1.21	---	-2.70	-1.58	---	-1.86	---	-1.16	---	-0.58	-0.39	---
MEAN	-1.18	-1.29	-1.36	-1.79	-1.37	-1.75	-1.50	-1.49	-1.22	-1.15	-1.03	-0.91
MAX	0.43	-0.51	-0.63	-0.88	-0.15	-0.38	-0.87	-0.52	-0.26	-0.50	-0.03	0.25
MIN	-3.02	-2.22	-2.70	-3.60	-3.31	-3.18	-2.42	-2.12	-2.08	-1.74	-1.80	-1.88

CAL YR 2001 MEAN -1.26 MAX 0.43 MIN -3.86

01310521 HUDSON BAY AT FREEPORT, NY--Continued



WATER YEAR MONTHLY MEAN ELEVATION (BOLD) WITH MONTHLY MEAN TIDAL HIGH-HIGH (SOLID), LOW-HIGH (LONG-DASHED), HIGH-LOW (SHORT-DASHED), AND LOW-LOW (DOT-DASHED) ELEVATIONS FOR PERIOD OF RECORD.

01310740 REYNOLDS CHANNEL AT POINT LOOKOUT, NY

LOCATION.--Lat 40°35'36", long 73°35'03", Nassau County, Hydrologic Unit 2030202, at Town of Hempstead East Marina, 750 ft east of Loop Parkway Bridge, in Point Lookout.

PERIOD OF RECORD.--December 1997 to current year. January 1974 to June 1994, in files of Town of Hempstead Department of Conservation & Waterways. Precipitation, wind speed and direction, air and water temperature, relative humidity, and barometric pressure records for March 1998 to current year are unpublished and available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. January 1974 to June 1994, water-stage recorder at site 150 ft northeast.

REMARKS.--Records excellent except those in January, February, and June to August, which are good; and in September, which are fair. Satellite and telephone telemeter for elevation, precipitation, wind speed and direction, air and water temperature, relative humidity, and barometric pressure parameters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.64 ft, Feb. 24, 1998; minimum, -4.07 ft, Feb. 11, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tide of Sept. 27, 1985, reached an elevation of 7.3 ft, from information provided by Town of Hempstead Department of Conservation & Waterways. Storm tide of Dec. 11, 1992, reached an elevation of 7.3 ft, from high-water mark at site 4.0 mi west. Minimum elevation recorded, -4.9 ft, Jan. 11, 1978, Mar. 16, 1980, from information provided by Town of Hempstead Department of Conservation & Waterways.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.73 ft, Oct. 1; minimum, -3.70 ft, Jan. 14.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.51	0.83	0.83	0.25	1.20	0.02	0.76	0.88	0.97	0.53	1.26	1.63
2	1.61	0.90	0.71	-0.01	-0.06	0.33	0.35	1.36	0.91	0.54	1.34	1.64
3	1.29	0.74	0.76	0.37	0.76	1.20	0.51	0.69	0.86	0.77	1.17	1.47
4	1.17	1.00	0.54	0.64	1.18	0.12	0.27	0.24	0.78	0.90	1.08	1.44
5	1.10	0.68	0.70	0.38	1.07	-0.15	0.43	0.62	0.98	0.76	1.11	1.29
6	0.99	0.85	0.71	0.85	0.60	-0.08	0.52	0.75	0.94	0.81	1.07	1.23
7	0.62	0.65	0.58	0.94	1.01	0.07	0.63	0.73	1.68	0.78	1.21	1.07
8	0.26	1.03	0.90	0.79	1.10	0.53	0.46	0.88	1.40	0.81	1.13	1.02
9	0.77	0.78	1.35	0.48	0.95	0.61	0.63	1.04	0.93	0.85	1.08	1.03
10	0.31	0.92	1.01	0.43	1.05	-0.18	0.25	0.75	0.93	0.92	1.00	1.43
11	0.71	0.66	0.88	0.78	0.64	-0.54	0.47	0.22	1.02	0.98	0.97	1.13
12	1.05	0.69	1.29	0.50	1.01	0.26	0.58	0.57	1.18	0.89	0.97	0.99
13	1.36	0.67	1.37	0.50	0.29	0.83	0.48	1.30	1.48	0.90	0.91	0.96
14	1.85	0.48	1.23	-0.69	0.31	0.69	0.46	1.10	1.64	0.98	0.86	0.88
15	1.43	0.77	0.68	0.63	0.38	0.62	0.70	0.14	1.82	1.07	0.84	1.05
16	1.42	0.82	0.94	0.21	0.77	0.56	0.66	0.51	1.59	1.18	0.80	1.02
17	0.77	1.03	1.37	0.58	0.95	0.98	0.68	0.53	1.21	1.37	0.95	1.19
18	0.19	0.81	1.26	0.32	1.00	1.10	0.81	1.26	0.99	1.25	1.23	1.34
19	0.71	0.72	1.05	0.56	1.31	0.93	0.88	0.79	0.79	1.35	1.29	1.32
20	0.85	0.65	0.90	0.99	1.17	1.40	0.83	0.69	0.67	1.37	1.26	1.22
21	0.88	0.91	0.21	0.77	1.21	1.01	0.86	0.58	0.62	1.23	1.17	1.19
22	0.74	0.88	0.89	-0.50	0.85	-0.02	1.27	0.56	0.58	1.06	1.10	1.29
23	1.27	0.98	1.05	0.29	0.71	-0.17	1.16	0.74	0.72	0.81	1.12	1.27
24	1.37	1.08	1.23	0.67	0.95	-0.10	1.16	0.94	0.72	1.06	1.47	1.26
25	1.40	1.17	0.87	0.72	1.01	0.77	1.34	1.01	0.90	1.25	1.35	1.28
26	0.80	1.00	1.24	0.30	1.31	1.24	0.86	0.97	0.94	1.30	1.18	1.64
27	0.69	1.05	0.95	0.63	1.12	1.08	0.61	0.84	0.78	1.26	1.09	1.86
28	1.00	0.98	0.62	1.03	-0.19	0.85	1.13	0.72	0.68	1.28	1.45	1.18
29	0.88	1.52	0.58	1.20	---	0.78	1.18	0.81	0.75	1.36	1.61	1.30
30	0.87	1.20	0.38	1.07	---	0.97	0.93	0.90	0.72	1.38	1.11	1.12
31	1.03	---	-0.05	1.42	---	0.78	---	1.08	---	1.23	1.46	---
MEAN	1.03	0.88	0.87	0.55	0.84	0.53	0.73	0.78	1.01	1.04	1.15	1.26
MAX	2.51	1.52	1.37	1.42	1.31	1.40	1.34	1.36	1.82	1.38	1.61	1.86
MIN	0.19	0.48	-0.05	-0.69	-0.19	-0.54	0.25	0.14	0.58	0.53	0.80	0.88

CAL YR 2001 MEAN 0.96 MAX 2.94 MIN -1.11
WTR YR 2002 MEAN 0.89 MAX 2.51 MIN -0.69

01310740 REYNOLDS CHANNEL AT POINT LOOKOUT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	3.24	3.58	3.51	4.45	3.09	3.18	3.42	2.62	2.12	2.95	3.40
2	3.63	3.49	3.70	3.22	2.61	3.77	2.20	3.27	2.86	2.17	3.17	3.63
3	3.52	3.28	3.65	3.31	3.03	3.63	3.22	3.60	2.58	2.58	2.94	3.69
4	3.52	3.60	3.32	3.32	3.56	2.18	2.61	2.13	2.49	2.80	3.16	3.97
5	3.44	3.19	3.34	2.94	3.33	2.46	2.30	2.21	2.67	2.73	3.41	4.13
6	3.45	3.18	3.23	2.79	3.07	2.32	2.34	2.41	2.84	3.00	3.81	4.13
7	2.99	2.70	2.98	2.92	3.03	1.83	2.50	2.50	4.04	3.14	4.00	4.18
8	2.33	3.29	2.98	3.09	3.47	2.43	2.34	2.81	3.53	3.38	4.02	3.93
9	3.03	3.07	3.71	2.91	3.17	2.44	2.56	3.07	3.36	3.49	4.10	4.04
10	2.47	3.11	3.50	2.94	3.33	2.80	2.24	2.92	3.61	3.84	4.00	4.48
11	3.06	3.20	3.50	3.66	3.53	1.69	2.77	2.70	3.77	3.84	3.78	4.26
12	3.38	3.57	3.84	2.92	3.69	2.43	2.83	3.23	4.18	3.82	3.63	3.84
13	3.86	3.63	4.37	3.89	3.19	3.04	2.95	4.02	4.27	3.75	3.59	3.40
14	4.54	3.44	3.96	1.85	2.77	2.86	3.04	3.32	4.70	3.73	3.51	3.17
15	4.09	3.82	3.14	3.20	2.61	2.78	3.00	2.83	4.13	3.44	3.34	3.08
16	4.34	3.88	3.76	2.35	2.83	2.71	2.98	2.99	3.55	3.56	3.27	3.15
17	4.09	3.96	3.93	3.14	2.94	3.27	2.97	3.26	3.69	3.82	3.34	3.55
18	3.29	3.55	3.76	2.53	2.49	3.18	3.18	2.64	3.29	3.81	3.60	3.59
19	3.71	3.09	3.05	2.09	3.22	3.07	2.42	3.38	3.24	3.99	3.82	3.69
20	3.54	2.59	2.79	2.81	3.06	3.03	3.17	2.79	3.33	4.07	3.76	3.50
21	3.35	2.89	1.80	2.73	3.14	3.06	3.08	2.85	3.45	3.84	3.72	3.33
22	2.94	2.59	2.48	1.46	2.95	2.22	3.23	3.14	3.55	3.67	3.53	3.58
23	3.19	2.55	2.51	2.02	2.75	1.75	3.47	3.59	3.78	3.22	3.71	3.51
24	2.92	2.57	3.10	2.75	3.27	1.70	3.78	4.00	3.75	3.97	3.80	3.53
25	2.86	2.68	2.38	2.97	3.59	2.96	4.42	4.29	3.87	3.93	3.41	3.27
26	2.42	2.80	3.16	2.90	4.10	3.78	3.93	4.16	3.63	3.76	3.08	3.62
27	2.56	3.03	3.36	3.10	4.57	4.03	3.79	4.00	3.20	3.48	3.11	3.69
28	2.90	3.27	3.04	3.88	2.93	3.82	4.57	3.73	2.90	3.44	3.42	3.05
29	2.95	3.91	3.13	4.35	---	4.13	3.93	3.61	2.89	3.22	3.44	3.22
30	2.92	3.87	3.40	4.21	---	3.90	3.48	3.35	2.46	3.10	2.90	2.86
31	3.37	---	2.94	4.46	---	4.01	---	3.10	---	3.01	3.31	---
MEAN	3.34	3.23	3.27	3.04	3.24	2.92	3.08	3.20	3.41	3.41	3.50	3.62
MAX	4.73	3.96	4.37	4.46	4.57	4.13	4.57	4.29	4.70	4.07	4.10	4.48
MIN	2.33	2.55	1.80	1.46	2.49	1.69	2.20	2.13	2.46	2.12	2.90	2.86

CAL YR 2001 MEAN 3.33 MAX 5.33 MIN 1.60
WTR YR 2002 MEAN 3.27 MAX 4.73 MIN 1.46

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.15	2.81	2.54	2.17	2.67	2.91	3.10	2.61	*---	*---	2.64	2.91
2	3.62	2.74	2.49	2.18	*---	3.02	*---	*---	2.32	2.16	2.57	2.66
3	3.38	2.55	2.49	2.84	2.94	3.12	2.26	2.16	2.50	2.18	2.63	2.80
4	3.05	2.80	2.48	*---	3.15	*---	1.82	1.69	2.24	2.26	2.13	2.96
5	2.95	2.23	2.72	2.60	2.85	1.64	1.71	2.18	2.46	2.11	2.35	3.17
6	2.50	*---	*---	2.71	1.94	1.32	1.96	2.36	2.23	2.11	2.48	3.56
7	1.97	2.56	2.64	2.72	2.53	1.53	2.06	2.31	2.56	2.20	2.93	3.69
8	*---	2.30	2.72	2.47	2.59	1.84	2.24	2.46	2.99	2.18	3.12	3.92
9	2.06	2.87	3.38	1.94	2.44	2.11	2.28	2.70	2.49	2.41	3.27	3.76
10	2.02	2.79	3.03	2.19	2.94	0.66	2.16	2.63	2.46	2.63	3.34	3.90
11	1.93	2.73	2.80	2.47	2.20	1.25	2.40	1.94	2.73	3.08	3.63	2.75
12	2.68	2.84	3.46	2.63	2.38	2.26	2.61	2.17	2.91	2.96	3.57	*---
13	3.23	3.06	3.28	0.92	1.82	2.96	2.48	3.07	3.32	3.14	3.16	2.73
14	4.17	2.87	3.38	1.72	2.07	2.75	2.26	3.21	3.36	3.25	*---	2.36
15	3.92	3.18	2.78	2.26	2.24	2.70	2.51	1.41	3.87	3.40	2.73	2.62
16	4.22	2.74	2.60	1.98	2.60	2.65	2.38	2.27	*---	*---	2.43	2.49
17	2.50	2.99	3.19	1.85	2.40	3.03	2.16	2.03	3.29	3.37	2.39	2.42
18	2.87	2.28	2.68	1.67	*---	2.98	2.32	*---	3.25	3.22	2.59	2.99
19	2.78	2.42	2.71	*---	2.67	2.50	*---	2.67	3.03	3.12	2.79	3.18
20	2.68	*---	*---	2.77	2.37	*---	2.13	2.66	2.71	3.06	2.85	3.13
21	2.28	1.88	1.78	2.35	2.48	2.16	2.51	2.75	2.49	2.88	2.87	3.24
22	*---	2.28	2.32	0.58	1.83	1.41	3.08	2.76	2.43	2.61	2.91	3.38
23	2.31	2.19	2.21	1.36	2.20	1.18	3.42	2.85	2.59	2.65	2.88	3.10
24	2.79	2.43	2.59	2.02	2.63	1.57	3.46	3.10	2.60	2.92	3.31	2.97
25	2.70	2.62	2.30	2.18	3.14	2.80	3.78	3.18	2.75	3.08	3.28	3.14
26	2.31	2.58	2.91	1.72	3.87	3.58	3.76	3.17	2.80	3.30	3.06	3.27
27	1.96	2.74	2.47	2.98	3.37	3.57	3.29	3.03	2.61	3.17	2.78	3.19
28	2.60	2.82	2.56	3.21	2.60	3.73	3.84	2.78	2.52	3.02	3.20	*---
29	2.76	3.35	2.49	3.45	---	3.74	3.45	2.73	2.51	3.12	2.62	2.33
30	2.91	3.15	1.97	3.52	---	3.65	3.04	2.68	2.35	2.83	*---	2.43
31	3.05	---	2.04	4.02	---	3.36	---	2.72	---	*---	2.26	---
MEAN	2.84	2.67	2.66	2.33	2.57	2.48	2.66	2.56	2.73	2.80	2.85	3.04
MAX	4.22	3.35	3.46	4.02	3.87	3.74	3.84	3.21	3.87	3.40	3.63	3.92
MIN	1.93	1.88	1.78	0.58	1.82	0.66	1.71	1.41	2.23	2.11	2.13	2.33

CAL YR 2001 MEAN 2.77 MAX 4.96 MIN 0.85
WTR YR 2002 MEAN 2.68 MAX 4.22 MIN 0.58

01310740 REYNOLDS CHANNEL AT POINT LOOKOUT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.94	-1.46	-1.20	-2.38	-1.07	-2.98	-1.37	-0.89	-0.20	-0.71	-0.04	0.38
2	-0.37	-1.36	-1.68	-2.64	-2.61	-2.38	-1.50	0.02	-0.38	-0.58	-0.07	0.23
3	-0.95	-1.48	-1.63	-1.97	-1.09	-0.23	-1.15	-0.74	-0.38	-0.37	-0.58	-0.37
4	-1.00	-1.18	-1.77	-1.43	-0.62	-2.05	-1.03	-0.85	-0.42	-0.52	-0.61	-0.80
5	-1.00	-1.40	-1.42	-1.66	-0.60	-2.11	-0.83	-0.55	-0.58	-0.84	-0.78	*---
6	-0.75	-0.99	-1.15	-1.01	-1.26	-1.63	-1.04	-0.70	-0.54	-0.95	*---	-1.46
7	-1.27	-0.98	-1.15	-0.79	-0.62	-1.11	-0.99	-0.87	*---	-1.19	-1.08	-1.86
8	-1.52	-0.45	-1.07	-1.05	-0.90	-0.94	-1.07	-0.80	-0.28	*---	-1.41	-1.93
9	-0.79	-1.38	-0.33	-1.71	-1.20	-0.62	*---	*---	-1.14	-1.36	-1.64	-1.85
10	-1.37	-0.90	-1.15	-1.57	*---	-2.19	-1.40	-1.06	-1.31	-1.34	-1.68	-1.00
11	-1.13	-1.75	-1.38	*---	-0.34	*---	-1.72	-1.90	-1.23	-1.41	-1.60	-0.83
12	-0.95	-1.83	*---	-2.05	-1.15	-1.99	-1.57	-1.58	-0.95	-1.57	-1.45	-0.67
13	-0.97	*---	-1.08	-0.95	-1.51	-1.40	-1.75	-0.85	-0.73	-1.44	-1.15	-0.66
14	-0.82	-2.36	-1.36	-3.04	-1.90	-1.18	-1.83	-0.78	-0.31	-1.17	-0.96	-0.59
15	*---	-1.92	-1.24	-1.29	-1.46	-1.54	-1.45	-2.08	-0.20	-0.95	-0.91	-0.47
16	-1.57	-1.71	-1.00	-2.00	-1.22	-1.36	-1.28	-1.15	-0.24	-0.65	-1.00	-0.63
17	-2.02	-1.25	-0.84	-0.90	-0.67	-1.05	-1.03	-1.08	-0.69	-0.47	-0.98	-0.67
18	-2.49	-1.20	-0.15	-0.99	-0.43	-0.64	-0.65	-0.08	-0.95	-0.75	-0.69	*---
19	-1.72	-1.13	-0.62	-0.84	0.09	-0.78	-0.62	-0.83	-1.34	-0.78	-0.66	-0.70
20	-1.30	-0.63	-0.13	0.08	-0.06	0.39	-0.67	-0.96	-1.56	-0.84	*---	-1.03
21	-0.89	-0.41	-1.34	-0.21	0.15	-0.22	-0.79	-1.51	-1.99	-1.04	-0.95	-0.97
22	-0.90	-0.27	-0.19	-1.90	-0.54	-1.31	-0.37	-1.75	*---	*---	-1.14	-0.85
23	0.00	-0.17	-0.02	-0.83	-1.11	-1.50	-1.26	-1.68	-1.90	-1.39	-0.96	-0.77
24	0.13	-0.18	-0.13	-0.75	-1.22	-1.65	-1.47	*---	-1.81	-0.96	-0.56	-0.70
25	0.44	-0.16	-0.70	-1.29	*---	-1.40	*---	-1.89	-1.40	-0.84	-0.54	-0.52
26	-0.39	-0.50	-0.41	-1.98	-1.56	*---	-1.63	-1.83	-1.21	-0.67	-0.64	-0.07
27	-0.80	-0.78	-0.99	*---	-1.52	-1.27	-2.30	-1.81	-1.07	-0.69	-0.71	0.43
28	-0.60	-1.11	-1.50	-1.68	-2.94	-2.19	-1.62	-1.64	-1.09	-0.42	0.01	-0.28
29	-1.13	*---	*---	-1.57	---	-2.25	-1.30	-1.24	-0.74	-0.11	0.13	-0.03
30	*---	-1.00	-1.90	-1.78	---	-1.85	-1.00	-0.90	-0.64	-0.05	-0.17	-0.19
31	-1.15	---	-2.77	-1.32	---	-1.89	---	-0.11	---	0.03	0.57	---
MEAN	-0.91	-1.07	-1.04	-1.43	-1.05	-1.42	-1.24	-1.11	-0.90	-0.83	-0.77	-0.67
MAX	0.94	-0.16	-0.02	0.08	0.15	0.39	-0.37	0.02	-0.20	0.03	0.57	0.43
MIN	-2.49	-2.36	-2.77	-3.04	-2.94	-2.98	-2.30	-2.08	-1.99	-1.57	-1.68	-1.93

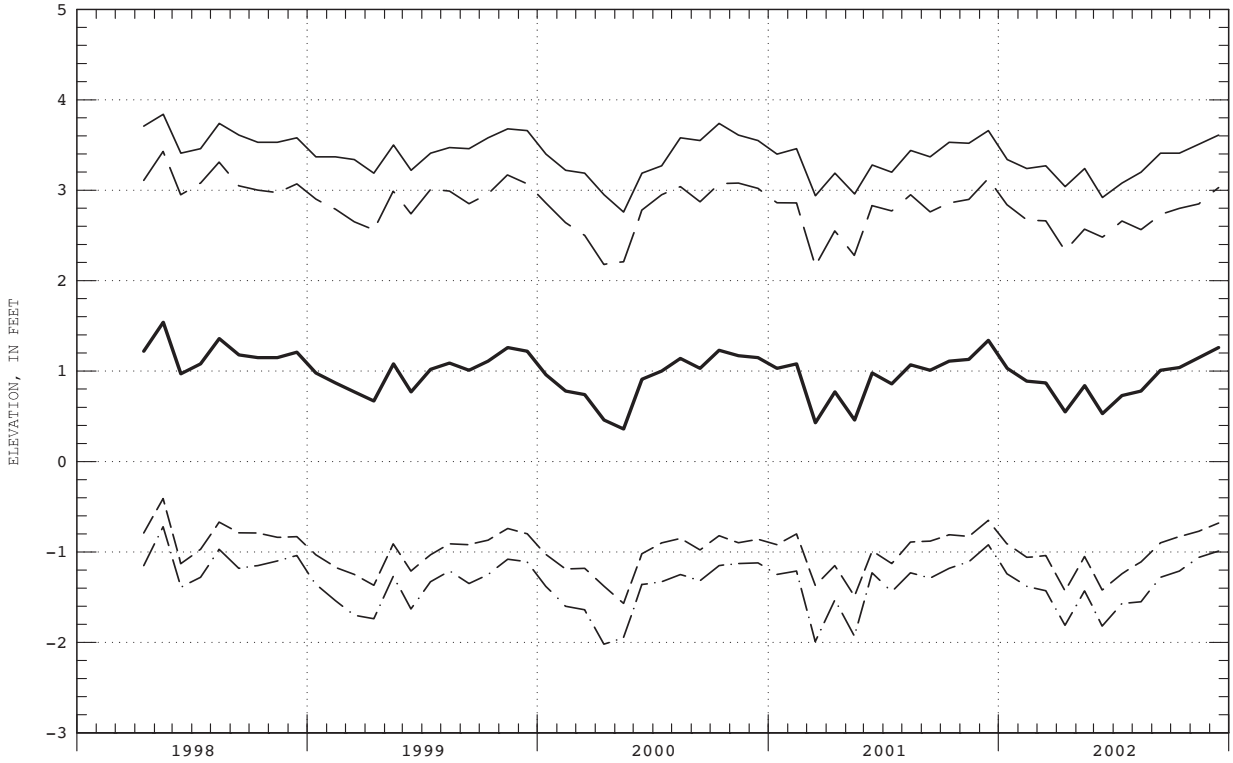
CAL YR 2001 MEAN -0.98 MAX 1.27 MIN -3.71
WTR YR 2002 MEAN -1.04 MAX 0.94 MIN -3.04

* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.39	-1.58	-1.72	-2.49	-1.27	-3.10	-1.83	-1.44	-0.98	-1.40	-0.43	0.05
2	-0.58	-1.54	-1.86	-2.72	-2.64	-2.86	-2.02	-0.87	-0.92	-1.39	-0.22	-0.14
3	-0.99	-1.65	-1.72	-2.34	-1.58	-1.24	-1.30	-1.25	-1.00	-1.07	-0.59	-0.67
4	-1.11	-1.32	-1.80	-1.58	-0.94	-2.14	-1.43	-1.69	-1.19	-0.83	-0.63	-1.10
5	-1.20	-1.62	-1.49	-1.90	-0.93	-2.12	-1.17	-1.25	-0.92	-1.03	-1.03	-1.24
6	-1.53	-1.04	-1.54	-1.17	-1.31	-2.02	-1.19	-1.02	-0.98	-1.11	-1.08	-1.55
7	-1.42	-1.36	-1.54	-1.40	-1.07	-1.84	-1.14	-1.24	-0.22	-1.35	-1.34	-1.87
8	-1.70	-0.72	-1.25	-1.43	-1.09	-1.21	-1.58	-1.24	-0.58	-1.24	-1.44	-2.02
9	-0.97	-1.52	-1.29	-1.98	-1.23	-1.44	-1.53	-1.09	-1.18	-1.39	-1.67	-2.04
10	-1.44	-1.56	-1.65	-1.74	-1.50	-3.19	-2.06	-1.52	-1.55	-1.65	-1.87	-1.53
11	-1.14	-1.80	-1.84	-1.39	-2.63	-2.77	-1.90	-2.03	-1.52	-1.58	-1.91	-1.69
12	-1.32	-2.17	-1.28	-2.18	-1.37	-2.18	-1.77	-2.04	-1.36	-1.73	-1.79	-1.54
13	-1.07	-2.12	-1.15	-2.04	-2.29	-1.63	-1.79	-1.59	-0.93	-1.71	-1.66	-1.20
14	-0.87	-2.46	-1.47	-3.70	-2.00	-1.77	-1.86	-1.02	-0.98	-1.64	-1.60	-1.13
15	-1.68	-2.34	-1.96	-1.96	-1.68	-1.62	-1.49	-2.11	-0.32	-1.43	-1.36	-1.08
16	-1.92	-1.92	-1.62	-2.03	-1.24	-1.90	-1.49	-1.73	-0.73	-1.37	-1.21	-1.09
17	-2.30	-1.69	-0.99	-1.73	-0.76	-1.17	-1.42	-1.75	-1.00	-0.96	-1.16	-0.85
18	-3.14	-1.52	-0.62	-1.87	-1.14	-0.99	-1.18	-0.54	-1.19	-1.03	-0.87	-0.49
19	-2.05	-1.29	-0.86	-1.36	-0.37	-0.94	-0.91	-1.30	-1.57	-0.79	-0.95	-1.03
20	-1.52	-1.49	-0.84	-0.88	-0.20	-0.38	-0.90	-1.44	-1.84	-0.84	-0.81	-1.06
21	-1.09	-0.53	-1.39	-0.96	-0.26	-0.52	-0.99	-1.68	-2.07	-1.23	-1.15	-1.05
22	-0.92	-0.80	-0.79	-2.06	-0.96	-1.51	-0.98	-2.07	-2.16	-1.30	-1.29	-1.31
23	-0.18	-0.59	-0.72	-1.12	-1.23	-1.87	-1.34	-2.16	-2.09	-1.56	-1.51	-0.93
24	-0.26	-0.60	-0.95	-1.25	-1.41	-2.10	-1.67	-2.00	-1.97	-1.78	-1.01	-1.08
25	-0.45	-0.84	-0.78	-1.62	-1.74	-1.59	-1.43	-1.94	-1.84	-1.30	-1.12	-1.01
26	-1.37	-1.03	-0.64	-2.29	-1.72	-1.36	-2.45	-1.83	-1.60	-1.04	-0.91	-0.26
27	-1.29	-1.08	-1.62	-1.87	-1.93	-2.05	-2.63	-1.89	-1.49	-0.93	-0.86	0.23
28	-1.04	-1.26	-1.90	-1.80	-3.44	-2.40	-2.51	-1.94	-1.50	-0.95	-0.54	-0.31
29	-1.58	-0.68	-1.91	-1.72	---	-2.45	-1.45	-1.75	-1.45	-0.81	0.01	-0.08
30	-1.27	-1.29	-2.42	-1.90	---	-2.11	-1.71	-1.43	-1.32	-0.51	-0.38	-0.55
31	-1.32	---	-2.83	-1.65	---	-2.05	---	-1.21	---	-0.59	-0.35	---
MEAN	-1.24	-1.38	-1.43	-1.81	-1.43	-1.82	-1.57	-1.55	-1.28	-1.21	-1.06	-0.99
MAX	0.39	-0.53	-0.62	-0.88	-0.20	-0.38	-0.90	-0.54	-0.22	-0.51	0.01	0.23
MIN	-3.14	-2.46	-2.83	-3.70	-3.44	-3.19	-2.63	-2.16	-2.16	-1.78	-1.91	-2.04

CAL YR 2001 MEAN -1.32 MAX 0.45 MIN -4.07



WATER YEAR MONTHLY MEAN ELEVATION (BOLD) WITH MONTHLY MEAN TIDAL HIGH-HIGH (SOLID), LOW-HIGH (LONG-DASHED), HIGH-LOW (SHORT-DASHED), AND LOW-LOW (DOT-DASHED) ELEVATIONS FOR PERIOD OF RECORD.

01311145 EAST ROCKAWAY INLET AT ATLANTIC BEACH, NY

LOCATION.--Lat 40°35'35", long 73°44'16", Nassau County, Hydrologic Unit 2030202, at Nassau County Bridge Authority Atlantic Beach Bridge, in Atlantic Beach.

PERIOD OF RECORD.--August to September 2002. November 1972 to October 1998, in files of Town of Hempstead Department of Conservation & Waterways.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. November 1972 to September 1989, water-stage recorder at site 900 ft west. October 1990 to October 1998, water-stage recorder at site 300 ft south.

REMARKS.--Records excellent. Satellite elevation telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tides of Dec. 11, 1992, and Oct. 31, 1991, reached elevations of 7.7 and 6.7 ft, respectively, from information provided by Town of Hempstead Department of Conservation & Waterways. Minimum elevation recorded, -5.0 ft, Jan. 10, 1978, from information provided by Town of Hempstead Department of Conservation & Waterways.

EXTREMES FOR CURRENT PERIOD.--August to September 2002: Maximum elevation, 4.40 ft, Sept. 10; minimum, -2.47 ft, Sept. 9.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	1.50
2	---	---	---	---	---	---	---	---	---	---	---	1.48
3	---	---	---	---	---	---	---	---	---	---	---	1.28
4	---	---	---	---	---	---	---	---	---	---	---	1.23
5	---	---	---	---	---	---	---	---	---	---	---	1.08
6	---	---	---	---	---	---	---	---	---	---	---	1.01
7	---	---	---	---	---	---	---	---	---	---	---	0.84
8	---	---	---	---	---	---	---	---	---	---	---	0.79
9	---	---	---	---	---	---	---	---	---	---	---	0.80
10	---	---	---	---	---	---	---	---	---	---	---	1.20
11	---	---	---	---	---	---	---	---	---	---	---	0.83
12	---	---	---	---	---	---	---	---	---	---	---	0.76
13	---	---	---	---	---	---	---	---	---	---	---	0.76
14	---	---	---	---	---	---	---	---	---	---	---	0.70
15	---	---	---	---	---	---	---	---	---	---	---	0.86
16	---	---	---	---	---	---	---	---	---	---	---	0.82
17	---	---	---	---	---	---	---	---	---	---	---	1.00
18	---	---	---	---	---	---	---	---	---	---	---	1.15
19	---	---	---	---	---	---	---	---	---	---	---	1.13
20	---	---	---	---	---	---	---	---	---	---	---	1.03
21	---	---	---	---	---	---	---	---	---	---	---	1.01
22	---	---	---	---	---	---	---	---	---	---	---	1.10
23	---	---	---	---	---	---	---	---	---	---	0.94	1.06
24	---	---	---	---	---	---	---	---	---	---	1.28	1.06
25	---	---	---	---	---	---	---	---	---	---	1.14	1.09
26	---	---	---	---	---	---	---	---	---	---	0.98	1.47
27	---	---	---	---	---	---	---	---	---	---	0.90	1.69
28	---	---	---	---	---	---	---	---	---	---	1.32	0.95
29	---	---	---	---	---	---	---	---	---	---	1.44	1.13
30	---	---	---	---	---	---	---	---	---	---	0.93	0.94
31	---	---	---	---	---	---	---	---	---	---	1.33	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	1.06
MAX	---	---	---	---	---	---	---	---	---	---	---	1.69
MIN	---	---	---	---	---	---	---	---	---	---	---	0.70

01311145 EAST ROCKAWAY INLET AT ATLANTIC BEACH, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	3.33
2	---	---	---	---	---	---	---	---	---	---	---	3.60
3	---	---	---	---	---	---	---	---	---	---	---	3.62
4	---	---	---	---	---	---	---	---	---	---	---	3.89
5	---	---	---	---	---	---	---	---	---	---	---	4.09
6	---	---	---	---	---	---	---	---	---	---	---	4.03
7	---	---	---	---	---	---	---	---	---	---	---	4.08
8	---	---	---	---	---	---	---	---	---	---	---	3.85
9	---	---	---	---	---	---	---	---	---	---	---	3.95
10	---	---	---	---	---	---	---	---	---	---	---	4.40
11	---	---	---	---	---	---	---	---	---	---	---	4.14
12	---	---	---	---	---	---	---	---	---	---	---	3.75
13	---	---	---	---	---	---	---	---	---	---	---	3.30
14	---	---	---	---	---	---	---	---	---	---	---	3.12
15	---	---	---	---	---	---	---	---	---	---	---	2.99
16	---	---	---	---	---	---	---	---	---	---	---	3.10
17	---	---	---	---	---	---	---	---	---	---	---	3.45
18	---	---	---	---	---	---	---	---	---	---	---	3.54
19	---	---	---	---	---	---	---	---	---	---	---	3.62
20	---	---	---	---	---	---	---	---	---	---	---	3.44
21	---	---	---	---	---	---	---	---	---	---	---	3.29
22	---	---	---	---	---	---	---	---	---	---	---	3.49
23	---	---	---	---	---	---	---	---	---	---	3.67	3.39
24	---	---	---	---	---	---	---	---	---	---	3.74	3.44
25	---	---	---	---	---	---	---	---	---	---	3.29	3.19
26	---	---	---	---	---	---	---	---	---	---	3.03	3.56
27	---	---	---	---	---	---	---	---	---	---	2.97	3.63
28	---	---	---	---	---	---	---	---	---	---	3.38	2.93
29	---	---	---	---	---	---	---	---	---	---	3.34	3.17
30	---	---	---	---	---	---	---	---	---	---	2.81	2.76
31	---	---	---	---	---	---	---	---	---	---	3.29	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	3.54
MAX	---	---	---	---	---	---	---	---	---	---	---	4.40
MIN	---	---	---	---	---	---	---	---	---	---	---	2.76

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	2.85
2	---	---	---	---	---	---	---	---	---	---	---	2.58
3	---	---	---	---	---	---	---	---	---	---	---	2.68
4	---	---	---	---	---	---	---	---	---	---	---	2.89
5	---	---	---	---	---	---	---	---	---	---	---	3.05
6	---	---	---	---	---	---	---	---	---	---	---	3.53
7	---	---	---	---	---	---	---	---	---	---	---	3.62
8	---	---	---	---	---	---	---	---	---	---	---	3.82
9	---	---	---	---	---	---	---	---	---	---	---	3.67
10	---	---	---	---	---	---	---	---	---	---	---	3.81
11	---	---	---	---	---	---	---	---	---	---	---	2.65
12	---	---	---	---	---	---	---	---	---	---	---	2.64
13	---	---	---	---	---	---	---	---	---	---	---	*---
14	---	---	---	---	---	---	---	---	---	---	---	2.25
15	---	---	---	---	---	---	---	---	---	---	---	2.51
16	---	---	---	---	---	---	---	---	---	---	---	2.37
17	---	---	---	---	---	---	---	---	---	---	---	2.28
18	---	---	---	---	---	---	---	---	---	---	---	2.90
19	---	---	---	---	---	---	---	---	---	---	---	3.09
20	---	---	---	---	---	---	---	---	---	---	---	3.04
21	---	---	---	---	---	---	---	---	---	---	---	3.15
22	---	---	---	---	---	---	---	---	---	---	---	3.30
23	---	---	---	---	---	---	---	---	---	---	2.82	3.04
24	---	---	---	---	---	---	---	---	---	---	3.27	2.86
25	---	---	---	---	---	---	---	---	---	---	3.20	3.05
26	---	---	---	---	---	---	---	---	---	---	2.98	3.18
27	---	---	---	---	---	---	---	---	---	---	2.72	3.06
28	---	---	---	---	---	---	---	---	---	---	3.14	*---
29	---	---	---	---	---	---	---	---	---	---	2.56	2.23
30	---	---	---	---	---	---	---	---	---	---	*---	2.36
31	---	---	---	---	---	---	---	---	---	---	2.14	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	2.94
MAX	---	---	---	---	---	---	---	---	---	---	---	3.82
MIN	---	---	---	---	---	---	---	---	---	---	---	2.23

* Only a single high tide occurred

01311145 EAST ROCKAWAY INLET AT ATLANTIC BEACH, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	0.18
2	---	---	---	---	---	---	---	---	---	---	---	-0.01
3	---	---	---	---	---	---	---	---	---	---	---	-0.61
4	---	---	---	---	---	---	---	---	---	---	---	-1.04
5	---	---	---	---	---	---	---	---	---	---	---	*---
6	---	---	---	---	---	---	---	---	---	---	---	-1.86
7	---	---	---	---	---	---	---	---	---	---	---	-2.26
8	---	---	---	---	---	---	---	---	---	---	---	-2.35
9	---	---	---	---	---	---	---	---	---	---	---	-2.25
10	---	---	---	---	---	---	---	---	---	---	---	-1.42
11	---	---	---	---	---	---	---	---	---	---	---	-1.25
12	---	---	---	---	---	---	---	---	---	---	---	-0.95
13	---	---	---	---	---	---	---	---	---	---	---	-1.01
14	---	---	---	---	---	---	---	---	---	---	---	-0.92
15	---	---	---	---	---	---	---	---	---	---	---	-0.83
16	---	---	---	---	---	---	---	---	---	---	---	-0.96
17	---	---	---	---	---	---	---	---	---	---	---	-0.95
18	---	---	---	---	---	---	---	---	---	---	---	*---
19	---	---	---	---	---	---	---	---	---	---	---	-1.00
20	---	---	---	---	---	---	---	---	---	---	---	-1.36
21	---	---	---	---	---	---	---	---	---	---	---	-1.29
22	---	---	---	---	---	---	---	---	---	---	---	-1.14
23	---	---	---	---	---	---	---	---	---	---	-1.19	-1.09
24	---	---	---	---	---	---	---	---	---	---	-0.79	-1.06
25	---	---	---	---	---	---	---	---	---	---	-0.86	-0.79
26	---	---	---	---	---	---	---	---	---	---	-0.97	-0.35
27	---	---	---	---	---	---	---	---	---	---	-0.97	0.21
28	---	---	---	---	---	---	---	---	---	---	-0.18	-0.55
29	---	---	---	---	---	---	---	---	---	---	-0.11	-0.25
30	---	---	---	---	---	---	---	---	---	---	-0.43	-0.47
31	---	---	---	---	---	---	---	---	---	---	0.37	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	-0.99
MAX	---	---	---	---	---	---	---	---	---	---	---	0.21
MIN	---	---	---	---	---	---	---	---	---	---	---	-2.35

* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	-0.17
2	---	---	---	---	---	---	---	---	---	---	---	-0.41
3	---	---	---	---	---	---	---	---	---	---	---	-0.98
4	---	---	---	---	---	---	---	---	---	---	---	-1.49
5	---	---	---	---	---	---	---	---	---	---	---	-1.57
6	---	---	---	---	---	---	---	---	---	---	---	-1.92
7	---	---	---	---	---	---	---	---	---	---	---	-2.26
8	---	---	---	---	---	---	---	---	---	---	---	-2.42
9	---	---	---	---	---	---	---	---	---	---	---	-2.47
10	---	---	---	---	---	---	---	---	---	---	---	-1.92
11	---	---	---	---	---	---	---	---	---	---	---	-2.11
12	---	---	---	---	---	---	---	---	---	---	---	-1.84
13	---	---	---	---	---	---	---	---	---	---	---	-1.48
14	---	---	---	---	---	---	---	---	---	---	---	-1.38
15	---	---	---	---	---	---	---	---	---	---	---	-1.37
16	---	---	---	---	---	---	---	---	---	---	---	-1.41
17	---	---	---	---	---	---	---	---	---	---	---	-1.19
18	---	---	---	---	---	---	---	---	---	---	---	-0.78
19	---	---	---	---	---	---	---	---	---	---	---	-1.35
20	---	---	---	---	---	---	---	---	---	---	---	-1.37
21	---	---	---	---	---	---	---	---	---	---	---	-1.41
22	---	---	---	---	---	---	---	---	---	---	---	-1.62
23	---	---	---	---	---	---	---	---	---	---	-1.89	-1.27
24	---	---	---	---	---	---	---	---	---	---	-1.33	-1.43
25	---	---	---	---	---	---	---	---	---	---	-1.51	-1.34
26	---	---	---	---	---	---	---	---	---	---	-1.24	-0.56
27	---	---	---	---	---	---	---	---	---	---	-1.12	-0.01
28	---	---	---	---	---	---	---	---	---	---	-0.83	-0.69
29	---	---	---	---	---	---	---	---	---	---	-0.30	-0.29
30	---	---	---	---	---	---	---	---	---	---	-0.63	-0.81
31	---	---	---	---	---	---	---	---	---	---	-0.59	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	-1.31
MAX	---	---	---	---	---	---	---	---	---	---	---	-0.01
MIN	---	---	---	---	---	---	---	---	---	---	---	-2.47

01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi^2.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft above NGVD 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 for estimated daily discharges, which are poor. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 272 ft^3/s, Sept. 2, gage height, 5.02 ft; no flow for part or all of many days during October to April, June to September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.07	0.00	0.00	0.00	0.00	0.00	0.15	0.17	1.8	0.10	0.00	0.19
2	0.00	0.00	0.00	0.00	0.00	0.00	0.09	4.6	0.39	0.27	0.37	144
3	0.02	0.00	0.00	0.00	0.00	6.5	0.04	1.0	0.15	0.18	0.42	15
4	0.10	0.00	0.00	0.00	0.00	0.47	0.05	0.38	0.13	0.11	0.01	4.4
5	0.10	0.00	0.00	0.00	0.00	0.12	0.00	0.25	0.06	0.07	0.00	0.98
6	0.04	0.00	0.00	1.3	0.00	0.05	0.00	0.27	7.6	0.00	0.00	0.00
7	0.03	0.00	0.00	3.5	0.00	0.02	0.00	0.34	11	0.00	0.00	0.00
8	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.20	1.3	0.00	0.00	0.00
9	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.14	0.57	0.16	0.00	0.00
10	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.13	0.43	0.17	0.00	0.06
11	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.04	0.21	0.00	0.00	1.9
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.29	0.00	0.00	0.14
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.16	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.06	0.00	0.00	e1.0
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.07	0.00	0.69	e1.5
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.16	0.00	0.14	0.19
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	0.26	0.00	0.01	0.02
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.14	0.00	0.00	0.06
20	0.00	0.00	0.00	0.00	0.00	7.2	0.13	0.80	0.15	0.00	0.12	0.07
21	0.00	0.00	0.00	0.00	0.00	2.1	0.15	0.42	0.11	0.00	0.00	0.88
22	0.00	0.00	0.00	0.00	0.00	0.42	0.63	0.23	0.13	0.00	0.00	1.7
23	0.00	0.00	0.00	0.00	0.00	0.13	0.40	0.21	0.13	0.00	0.00	1.7
24	0.00	0.00	0.00	0.06	0.00	0.08	0.08	0.20	0.07	0.00	0.05	1.1
25	0.00	0.00	0.00	0.12	0.00	0.09	3.2	0.31	0.09	0.00	0.26	0.12
26	0.00	0.00	0.00	0.00	0.00	0.12	2.0	0.22	0.09	0.00	0.00	0.36
27	0.00	0.00	0.00	0.00	0.00	1.4	0.40	0.20	0.11	0.00	0.85	9.2
28	0.00	0.00	0.00	0.00	0.00	0.39	13	0.28	0.13	0.00	0.96	1.2
29	0.00	0.00	0.00	0.00	---	0.21	1.1	0.57	0.01	0.00	32	0.29
30	0.00	0.00	0.00	0.00	---	0.12	0.17	0.37	0.00	0.00	2.1	0.16
31	0.00	---	0.00	0.00	---	0.12	---	0.67	---	0.00	0.22	---
TOTAL	0.36	0.00	0.00	5.46	0.00	19.54	21.59	32.07	26.05	1.06	38.20	186.22
MEAN	0.012	0.000	0.000	0.18	0.000	0.63	0.72	1.03	0.87	0.034	1.23	6.21
MAX	0.10	0.00	0.00	3.5	0.00	7.2	13	16	11	0.27	32	144
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00

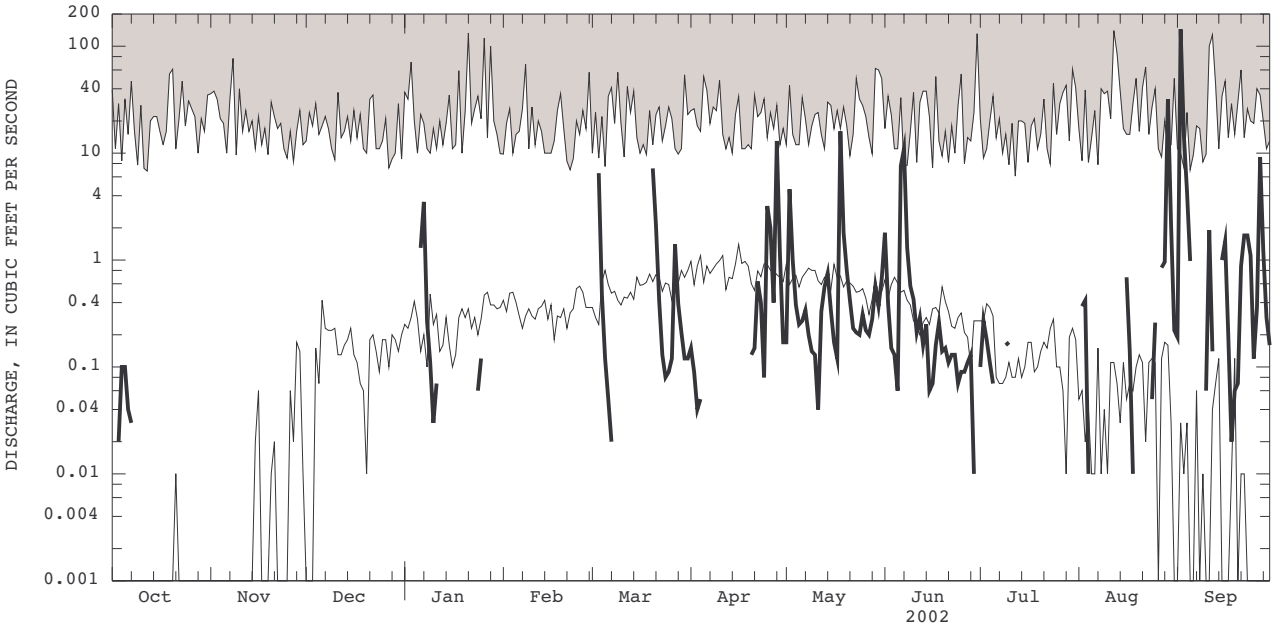
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	1.47	1.75	1.72	2.10	1.92	2.36	2.78	2.35	1.89	1.56	1.84	1.79
MAX	10.8	10.9	9.18	9.40	9.91	10.2	12.0	12.3	8.43	8.32	16.8	11.6
(WY)	1959	1955	1956	1956	1955	1956	1958	1958	1956	1956	1955	1954
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1966	1966	1966	1966	1980	1981	1981	1981	1966	1966	1965	1982

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	458.05		330.55			
ANNUAL MEAN	1.25		0.91		1.93	
HIGHEST ANNUAL MEAN					8.86	1956
LOWEST ANNUAL MEAN					0.11	1986
HIGHEST DAILY MEAN	54	Mar 30	144	Sep 2	144	Sep 2 2002
LOWEST DAILY MEAN	0.00	Jul 27	0.00	Oct 2	0.00	Jul 25 1963
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 25	0.00	Oct 8	0.00	Aug 10 1963
10 PERCENT EXCEEDS	1.9		0.77		5.9	
50 PERCENT EXCEEDS	0.45		0.00		0.23	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

01311500 VALLEY STREAM AT VALLEY STREAM, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

01311810 CONSELYEAS POND TRIBUTARY AT ROSEDALE, NY

LOCATION.--Lat 40°39'42", long 73°45'22", Queens County, Hydrologic Unit 02030202, on right end of upstream side of reinforced-concrete bridge in Brookville Park, opposite 144th Ave. and 1,300 ft southwest of South Conduit Ave., in Rosedale.

DRAINAGE AREA.--About 10 mi^2.

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7.0 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except those above 110 ft^3/s, which are poor. Water-quality data included in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 246 ft^3/s, Jan. 3, 1999, gage height, 5.21 ft, from rating curve extended above 110 ft^3/s; no flow part of each day Jan. 9, 10, 1996, and many days during July to September 1999 and July and August 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107 ft^3/s, Aug. 29, gage height, 2.88 ft; no flow for part or all of many days during July and August.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

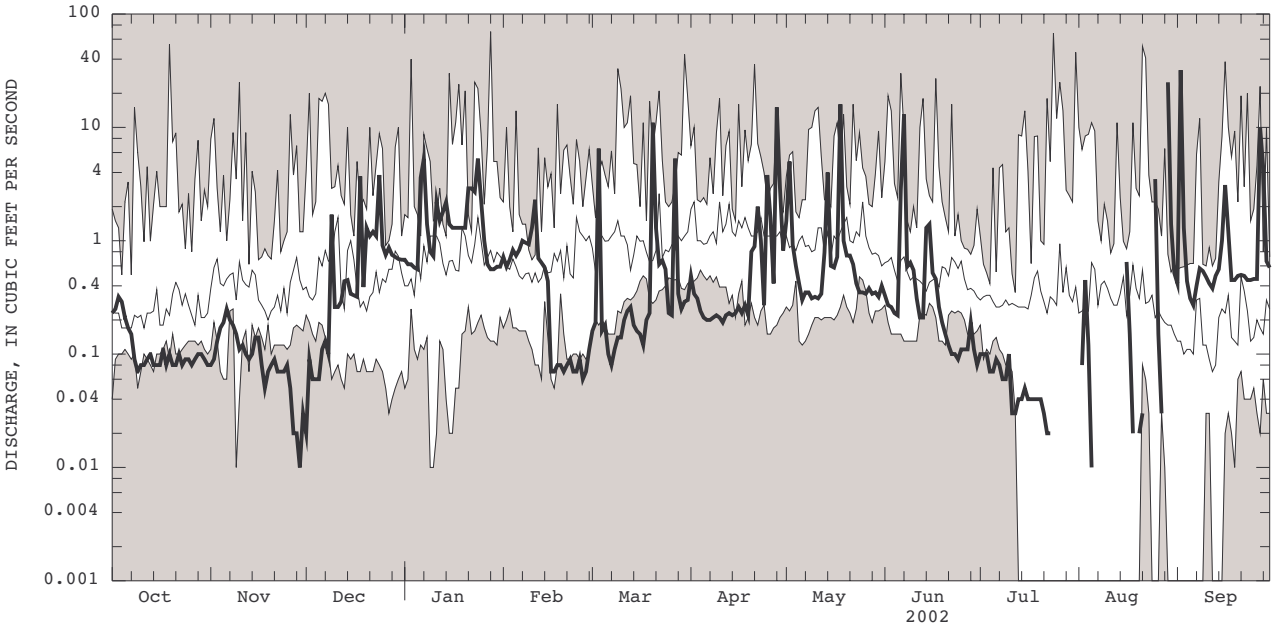
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.23	0.08	0.02	0.68	0.72	0.16	0.49	1.5	0.33	0.10	0.00	0.42
2	0.25	0.09	0.09	0.62	0.59	0.19	0.34	5.0	0.27	0.10	0.08	32
3	0.32	0.13	0.06	0.62	0.68	6.5	0.31	0.92	0.26	0.10	0.45	1.3
4	0.29	0.17	0.06	0.58	0.83	0.16	0.24	0.60	0.23	0.07	0.12	0.44
5	0.21	0.19	0.06	0.56	0.74	0.18	0.21	0.42	0.22	0.07	0.01	0.31
6	0.17	0.25	0.11	3.6	0.83	0.10	0.20	0.30	2.8	0.09	0.00	0.27
7	0.15	0.20	0.13	5.3	1.0	0.08	0.20	0.35	13	0.08	0.00	0.40
8	0.09	0.18	0.10	1.4	0.96	0.11	0.21	0.35	0.59	0.06	0.00	0.57
9	0.07	0.15	1.7	0.80	0.93	0.14	0.22	0.31	0.64	0.06	0.00	0.54
10	0.08	0.11	0.26	0.73	1.3	0.14	0.21	0.32	0.55	0.10	0.00	0.48
11	0.08	0.12	0.26	2.2	2.3	0.20	0.19	0.31	0.31	0.03	0.00	0.42
12	0.09	0.10	0.29	1.5	0.70	0.24	0.22	0.34	0.21	0.03	0.00	0.38
13	0.10	0.09	0.44	1.8	0.64	0.26	0.23	0.79	0.21	0.04	0.00	0.49
14	0.08	0.10	0.45	2.2	0.58	0.18	0.22	4.0	1.3	0.04	0.00	0.56
15	0.08	0.14	0.34	1.4	0.44	0.16	0.23	0.60	1.4	0.05	0.00	1.0
16	0.08	0.14	0.33	1.3	0.07	0.15	0.26	0.58	0.52	0.04	0.65	3.1
17	0.11	0.08	0.32	1.3	0.07	0.12	0.23	0.72	0.46	0.04	0.15	1.2
18	0.08	0.05	3.7	1.3	0.08	0.20	0.27	16	0.26	0.04	0.02	0.45
19	0.10	0.07	0.39	1.3	0.08	0.23	0.22	1.0	0.19	0.04	0.00	0.45
20	0.08	0.08	1.3	1.3	0.07	11	0.80	0.74	0.15	0.04	0.02	0.49
21	0.08	0.09	1.1	2.9	0.08	1.3	0.89	0.74	0.12	0.03	0.03	0.50
22	0.10	0.07	1.2	2.9	0.09	0.62	2.0	0.62	0.10	0.02	0.00	0.49
23	0.08	0.07	1.1	2.7	0.07	0.67	1.0	0.42	0.10	0.02	0.00	0.45
24	0.09	0.07	3.8	5.3	0.07	0.56	0.27	0.35	0.09	0.00	0.00	0.45
25	0.09	0.08	0.91	2.3	0.09	0.23	3.8	0.35	0.11	0.01	3.5	0.46
26	0.08	0.05	0.75	1.0	0.06	0.22	1.6	0.34	0.11	0.00	0.15	0.46
27	0.09	0.02	0.87	0.62	0.07	5.3	0.42	0.38	0.11	0.00	0.03	10
28	0.10	0.02	0.75	0.56	0.11	0.34	15	0.34	0.19	0.00	0.00	4.3
29	0.10	0.01	0.72	0.56	---	0.25	2.9	0.35	0.11	0.00	25	0.66
30	0.09	0.03	0.69	0.59	---	0.29	0.82	0.32	0.08	0.00	1.4	0.58
31	0.08	---	0.68	0.59	---	0.30	---	0.40	---	0.00	0.52	---
TOTAL	3.72	3.03	22.98	50.51	14.25	30.58	34.20	39.76	25.02	1.30	32.13	63.62
MEAN	0.12	0.10	0.74	1.63	0.51	0.99	1.14	1.28	0.83	0.042	1.04	2.12
MAX	0.32	0.25	3.8	5.3	2.3	11	15	16	13	0.10	25	32
MIN	0.07	0.01	0.02	0.56	0.06	0.08	0.19	0.30	0.08	0.00	0.00	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

MEAN	0.83	0.89	1.25	2.07	1.13	2.04	1.88	1.68	1.31	1.33	1.21	1.16
MAX	3.40	1.76	3.97	4.67	2.19	4.26	3.14	2.93	2.74	4.61	3.64	2.12
(WY)	1997	2001	1997	1994	1998	2001	1997	1998	2001	1997	1997	2002
MIN	0.12	0.10	0.11	0.37	0.27	0.91	0.46	0.87	0.33	0.042	0.027	0.28
(WY)	2002	2002	1999	2000	2000	1995	1999	1995	1994	2002	1999	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	481.49		321.10			
ANNUAL MEAN	1.32		0.88		1.40	
HIGHEST ANNUAL MEAN					2.42	1997
LOWEST ANNUAL MEAN					0.80	1995
HIGHEST DAILY MEAN	44	Mar 30	32	Sep 2	70	Jan 28 1994
LOWEST DAILY MEAN	0.01	Sep 19	0.00	Jul 24	0.00	Jul 13 1999
ANNUAL SEVEN-DAY MINIMUM	0.03	Nov 25	0.00	Jul 26	0.00	Jul 13 1999
10 PERCENT EXCEEDS	2.4		1.4		2.4	
50 PERCENT EXCEEDS	0.50		0.24		0.48	
90 PERCENT EXCEEDS	0.08		0.03		0.10	

01311810 CONSELYEAS POND TRIBUTARY AT ROSEDALE, NY--Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.

01311850 JAMAICA BAY AT INWOOD, NY

LOCATION.--Lat 40°37'02", long 73°45'30", Nassau County, Hydrologic Unit 2030202, at Town of Hempstead Inwood Marina, in Inwood.

PERIOD OF RECORD.--July to September 2002. June 1979 to July 2002, in files of Town of Hempstead Department of Conservation & Waterways.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. June 1979 to January 1991, water-stage recorder at site 600 ft southwest.

REMARKS.--Records good. Satellite and telephone elevation telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Storm tides of Dec. 11, 1992, and Mar. 14, 1993, reached elevations of 8.9 and 8.3 ft, respectively, from information provided by Town of Hempstead Department of Conservation & Waterways. Minimum elevation recorded, -5.0 ft, Dec. 12, 2000, Feb. 11, 2001, from information provided by Town of Hempstead Department of Conservation & Waterways.

EXTREMES FOR CURRENT PERIOD.--July to September 2002: Maximum elevation, 5.35 ft, Sept. 10; minimum, -3.35 ft, Sept. 9.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.08	1.46
2	---	---	---	---	---	---	---	---	---	---	1.16	1.45
3	---	---	---	---	---	---	---	---	---	---	1.01	1.32
4	---	---	---	---	---	---	---	---	---	---	0.91	1.28
5	---	---	---	---	---	---	---	---	---	---	0.99	1.10
6	---	---	---	---	---	---	---	---	---	---	0.92	1.03
7	---	---	---	---	---	---	---	---	---	---	1.00	0.86
8	---	---	---	---	---	---	---	---	---	---	0.93	0.81
9	---	---	---	---	---	---	---	---	---	---	0.85	0.79
10	---	---	---	---	---	---	---	---	---	---	0.80	1.20
11	---	---	---	---	---	---	---	---	---	---	0.75	0.92
12	---	---	---	---	---	---	---	---	---	---	0.75	0.79
13	---	---	---	---	---	---	---	---	---	---	0.71	0.79
14	---	---	---	---	---	---	---	---	---	---	0.67	0.69
15	---	---	---	---	---	---	---	---	---	---	0.64	0.85
16	---	---	---	---	---	---	---	---	---	---	0.60	0.84
17	---	---	---	---	---	---	---	---	---	---	0.77	1.01
18	---	---	---	---	---	---	---	---	---	---	1.06	1.15
19	---	---	---	---	---	---	---	---	---	1.21	1.13	1.13
20	---	---	---	---	---	---	---	---	---	1.21	1.08	1.03
21	---	---	---	---	---	---	---	---	---	1.09	0.97	1.00
22	---	---	---	---	---	---	---	---	---	0.86	0.88	1.07
23	---	---	---	---	---	---	---	---	---	0.60	0.90	1.04
24	---	---	---	---	---	---	---	---	---	0.87	1.26	1.02
25	---	---	---	---	---	---	---	---	---	1.04	1.11	1.04
26	---	---	---	---	---	---	---	---	---	1.12	0.96	1.42
27	---	---	---	---	---	---	---	---	---	1.05	0.87	1.69
28	---	---	---	---	---	---	---	---	---	1.08	1.27	0.94
29	---	---	---	---	---	---	---	---	---	1.18	1.40	1.14
30	---	---	---	---	---	---	---	---	---	1.23	0.93	0.92
31	---	---	---	---	---	---	---	---	---	1.07	1.28	---
MEAN	---	---	---	---	---	---	---	---	---	---	0.96	1.06
MAX	---	---	---	---	---	---	---	---	---	---	1.40	1.69
MIN	---	---	---	---	---	---	---	---	---	---	0.60	0.69

01311850 JAMAICA BAY AT INWOOD, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	3.17	3.61
2	---	---	---	---	---	---	---	---	---	---	3.40	3.81
3	---	---	---	---	---	---	---	---	---	---	3.04	4.24
4	---	---	---	---	---	---	---	---	---	---	3.55	4.55
5	---	---	---	---	---	---	---	---	---	---	3.84	4.88
6	---	---	---	---	---	---	---	---	---	---	4.37	4.89
7	---	---	---	---	---	---	---	---	---	---	4.77	5.12
8	---	---	---	---	---	---	---	---	---	---	4.71	4.81
9	---	---	---	---	---	---	---	---	---	---	4.96	4.96
10	---	---	---	---	---	---	---	---	---	---	4.75	5.35
11	---	---	---	---	---	---	---	---	---	---	4.52	5.07
12	---	---	---	---	---	---	---	---	---	---	4.40	4.58
13	---	---	---	---	---	---	---	---	---	---	4.38	3.88
14	---	---	---	---	---	---	---	---	---	---	4.13	3.73
15	---	---	---	---	---	---	---	---	---	---	3.98	3.41
16	---	---	---	---	---	---	---	---	---	---	3.84	3.60
17	---	---	---	---	---	---	---	---	---	---	3.75	4.00
18	---	---	---	---	---	---	---	---	---	---	4.22	4.08
19	---	---	---	---	---	---	---	---	---	4.67	4.42	4.26
20	---	---	---	---	---	---	---	---	---	4.93	4.28	3.99
21	---	---	---	---	---	---	---	---	---	4.40	4.28	3.80
22	---	---	---	---	---	---	---	---	---	4.27	4.08	4.09
23	---	---	---	---	---	---	---	---	---	3.64	4.12	3.91
24	---	---	---	---	---	---	---	---	---	4.53	4.20	3.86
25	---	---	---	---	---	---	---	---	---	4.48	3.83	3.49
26	---	---	---	---	---	---	---	---	---	4.16	3.45	3.84
27	---	---	---	---	---	---	---	---	---	3.70	3.30	3.87
28	---	---	---	---	---	---	---	---	---	3.63	3.67	3.19
29	---	---	---	---	---	---	---	---	---	3.59	3.55	3.41
30	---	---	---	---	---	---	---	---	---	3.35	3.14	3.09
31	---	---	---	---	---	---	---	---	---	3.30	3.50	---
MEAN	---	---	---	---	---	---	---	---	---	---	3.99	4.11
MAX	---	---	---	---	---	---	---	---	---	---	4.96	5.35
MIN	---	---	---	---	---	---	---	---	---	---	3.04	3.09

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	2.81	3.16
2	---	---	---	---	---	---	---	---	---	---	2.76	2.80
3	---	---	---	---	---	---	---	---	---	---	2.88	2.96
4	---	---	---	---	---	---	---	---	---	---	2.51	3.40
5	---	---	---	---	---	---	---	---	---	---	2.63	3.69
6	---	---	---	---	---	---	---	---	---	---	2.91	4.38
7	---	---	---	---	---	---	---	---	---	---	3.51	4.51
8	---	---	---	---	---	---	---	---	---	---	3.78	4.72
9	---	---	---	---	---	---	---	---	---	---	3.94	4.46
10	---	---	---	---	---	---	---	---	---	---	4.20	4.48
11	---	---	---	---	---	---	---	---	---	---	4.47	*---
12	---	---	---	---	---	---	---	---	---	---	4.12	3.02
13	---	---	---	---	---	---	---	---	---	---	*---	3.22
14	---	---	---	---	---	---	---	---	---	---	3.63	2.78
15	---	---	---	---	---	---	---	---	---	---	3.09	3.13
16	---	---	---	---	---	---	---	---	---	---	2.83	2.85
17	---	---	---	---	---	---	---	---	---	---	2.78	2.53
18	---	---	---	---	---	---	---	---	---	---	3.00	3.32
19	---	---	---	---	---	---	---	---	---	3.65	3.24	3.75
20	---	---	---	---	---	---	---	---	---	3.58	3.29	3.60
21	---	---	---	---	---	---	---	---	---	3.24	3.35	3.71
22	---	---	---	---	---	---	---	---	---	3.09	3.34	3.81
23	---	---	---	---	---	---	---	---	---	3.28	3.32	3.51
24	---	---	---	---	---	---	---	---	---	3.48	3.78	3.10
25	---	---	---	---	---	---	---	---	---	3.51	3.66	3.25
26	---	---	---	---	---	---	---	---	---	3.88	3.19	3.43
27	---	---	---	---	---	---	---	---	---	3.47	2.80	3.49
28	---	---	---	---	---	---	---	---	---	3.31	*---	*---
29	---	---	---	---	---	---	---	---	---	3.45	3.34	2.58
30	---	---	---	---	---	---	---	---	---	*---	2.72	2.74
31	---	---	---	---	---	---	---	---	---	2.97	2.52	---
MEAN	---	---	---	---	---	---	---	---	---	---	3.26	3.44
MAX	---	---	---	---	---	---	---	---	---	---	4.47	4.72
MIN	---	---	---	---	---	---	---	---	---	---	2.51	2.53

* Only a single high tide occurred

01311850 JAMAICA BAY AT INWOOD, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	-0.65	-0.12
2	---	---	---	---	---	---	---	---	---	---	-0.54	-0.37
3	---	---	---	---	---	---	---	---	---	---	-1.22	-1.03
4	---	---	---	---	---	---	---	---	---	---	-1.34	*---
5	---	---	---	---	---	---	---	---	---	---	-1.43	-2.21
6	---	---	---	---	---	---	---	---	---	---	*---	-2.57
7	---	---	---	---	---	---	---	---	---	---	-1.96	-3.02
8	---	---	---	---	---	---	---	---	---	---	-2.42	-3.22
9	---	---	---	---	---	---	---	---	---	---	-2.80	-3.17
10	---	---	---	---	---	---	---	---	---	---	-2.76	-2.19
11	---	---	---	---	---	---	---	---	---	---	-2.67	-2.00
12	---	---	---	---	---	---	---	---	---	---	-2.55	-1.44
13	---	---	---	---	---	---	---	---	---	---	-2.13	-1.61
14	---	---	---	---	---	---	---	---	---	---	-1.96	-1.33
15	---	---	---	---	---	---	---	---	---	---	-1.80	-1.18
16	---	---	---	---	---	---	---	---	---	---	-1.97	-1.32
17	---	---	---	---	---	---	---	---	---	---	-2.01	*---
18	---	---	---	---	---	---	---	---	---	---	-1.37	-1.20
19	---	---	---	---	---	---	---	---	---	-1.51	*---	-1.58
20	---	---	---	---	---	---	---	---	---	-1.65	-1.63	-1.87
21	---	---	---	---	---	---	---	---	---	*---	-1.78	-1.90
22	---	---	---	---	---	---	---	---	---	-2.17	-2.03	-1.78
23	---	---	---	---	---	---	---	---	---	-2.30	-1.85	-1.68
24	---	---	---	---	---	---	---	---	---	-1.79	-1.32	-1.63
25	---	---	---	---	---	---	---	---	---	-1.63	-1.37	-1.33
26	---	---	---	---	---	---	---	---	---	-1.38	-1.39	-0.81
27	---	---	---	---	---	---	---	---	---	-1.49	-1.50	-0.25
28	---	---	---	---	---	---	---	---	---	-1.12	-0.60	-1.04
29	---	---	---	---	---	---	---	---	---	-0.78	-0.57	-0.49
30	---	---	---	---	---	---	---	---	---	-0.74	-0.69	-0.87
31	---	---	---	---	---	---	---	---	---	-0.43	0.08	---
MEAN	---	---	---	---	---	---	---	---	---	---	-1.59	-1.54
MAX	---	---	---	---	---	---	---	---	---	---	0.08	-0.12
MIN	---	---	---	---	---	---	---	---	---	---	-2.80	-3.22

* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	-1.12	-0.55
2	---	---	---	---	---	---	---	---	---	---	-0.95	-0.84
3	---	---	---	---	---	---	---	---	---	---	-1.40	-1.70
4	---	---	---	---	---	---	---	---	---	---	-1.54	-1.69
5	---	---	---	---	---	---	---	---	---	---	-1.94	-2.25
6	---	---	---	---	---	---	---	---	---	---	-1.79	-2.70
7	---	---	---	---	---	---	---	---	---	---	-2.36	-3.10
8	---	---	---	---	---	---	---	---	---	---	-2.47	-3.28
9	---	---	---	---	---	---	---	---	---	---	-2.96	-3.35
10	---	---	---	---	---	---	---	---	---	---	-3.07	-2.74
11	---	---	---	---	---	---	---	---	---	---	-3.14	-2.74
12	---	---	---	---	---	---	---	---	---	---	-3.01	-2.50
13	---	---	---	---	---	---	---	---	---	---	-2.68	-1.94
14	---	---	---	---	---	---	---	---	---	---	-2.51	-1.89
15	---	---	---	---	---	---	---	---	---	---	-2.27	-1.93
16	---	---	---	---	---	---	---	---	---	---	-2.00	-2.08
17	---	---	---	---	---	---	---	---	---	---	-2.02	-1.47
18	---	---	---	---	---	---	---	---	---	---	-1.89	-1.88
19	---	---	---	---	---	---	---	---	---	-1.80	-1.29	-1.98
20	---	---	---	---	---	---	---	---	---	-1.86	-1.99	-2.02
21	---	---	---	---	---	---	---	---	---	-1.92	-2.20	-2.01
22	---	---	---	---	---	---	---	---	---	-2.38	-2.30	-2.20
23	---	---	---	---	---	---	---	---	---	-2.59	-2.59	-1.79
24	---	---	---	---	---	---	---	---	---	-3.02	-2.03	-2.02
25	---	---	---	---	---	---	---	---	---	-2.41	-2.17	-1.95
26	---	---	---	---	---	---	---	---	---	-1.98	-1.85	-0.94
27	---	---	---	---	---	---	---	---	---	-1.88	-1.77	-0.51
28	---	---	---	---	---	---	---	---	---	-1.94	-1.36	-1.08
29	---	---	---	---	---	---	---	---	---	-1.48	-0.61	-0.61
30	---	---	---	---	---	---	---	---	---	-1.20	-0.96	-1.15
31	---	---	---	---	---	---	---	---	---	-1.29	-0.91	---
MEAN	---	---	---	---	---	---	---	---	---	---	-1.97	-1.90
MAX	---	---	---	---	---	---	---	---	---	---	-0.61	-0.51
MIN	---	---	---	---	---	---	---	---	---	---	-3.14	-3.35

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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

Low-flow partial-record stations

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

Discharge measurements made at low-flow partial-record stations during water year 2002

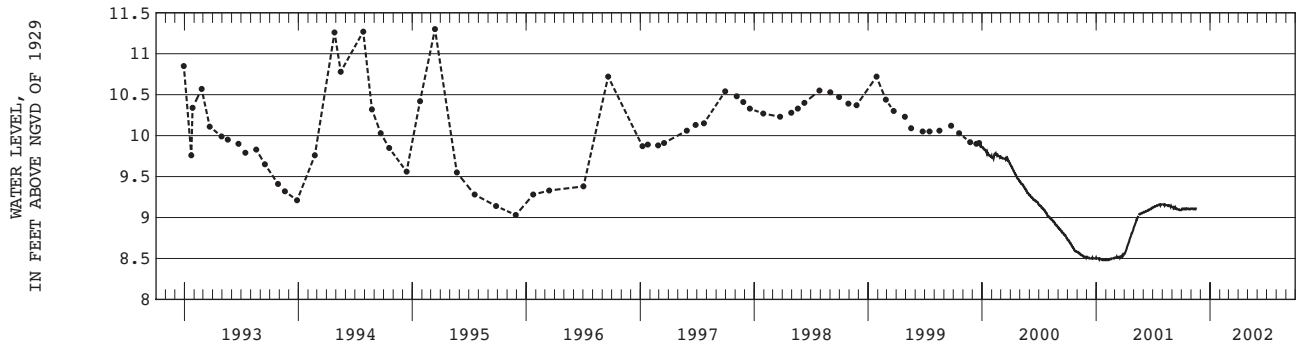
Station number	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Streams on Long Island				
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40ß55«49 , long 72ß25«04 , Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 mi northwest of Southampton	--	1951-69 1971-98 2001-02	10-24-01 06-12-02	0.26 1.6
01304630	Mill Creek at Noyack, N.Y.	Lat 40ß59«35 , long 72ß21«00 , Suffolk County, 50 ft upstream from culvert on Noyack Road, 0.25 mi west of Noyack	--	1958-98 2001-02	10-23-01 06-12-02	0.35 0.76
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40ß59«21 , long 72ß18«12 , Suffolk County, at culvert on Brick Kiln Road, 0.75 mi southwest of Sag Harbor	--	1953-69 1973-98 2001-02	10-23-01 06-18-02	0.01 0.67
01304672	Tanbark Creek at Three Mile Harbor, N.Y.	Lat 40ß59«44 , long 72ß11«06 , Suffolk County, at culvert on Soak Hides Road	--	1974-75 2001-02	10-24-01 06-11-02	0.11 0.28
01304675	Fresh Pond Tributary at Barnes Hole, N.Y.	Lat 40ß59«51 , long 72ß07«22 , Suffolk County, at culvert on Albert s Landing Road	--	1974-75 2001-02	10-24-01 06-11-02	0.06 0
01304693	Hook Pond Tributary at East Hampton, N.Y.	Lat 40ß57«34 , long 72ß10«42 , Suffolk County, at culvert on Davids Lane	--	1974-75 2001-02	10-24-01 06-11-02	0.13 0.32
01304697	Georgica Pond Tributary No. 2 at Midhampton, N.Y.	Lat 40ß57«10 , long 72ß13«48 , Suffolk County, at culvert on State Highway 27A	--	1974-75 2001-02	10-24-01 06-10-02	0.09 0.06
01304700	Georgica Pond Tributary No. 1 at Midhampton, N.Y.	Lat 40ß57«01 , long 72ß14«20« , Suffolk County, at culvert on State Highway 27A	--	1974-75 2001-02	10-24-01 06-10-02	0.23 0
01304730	Poxabogue Pond Outlet at Sagaponack, N.Y.	Lat 40ß55«48 , long 72ß17«16 , Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mi southeast of Bridgehampton	--	1953-78 1980-86 1988-98 2001-02	10-24-01 06-10-02	2.1 2.36
01304739	Mill Creek at Water Mill, N.Y.	Lat 40ß54«34 , long 72ß21«25 , Suffolk County, at culvert on Old Mill Rd.	--	1974-75 2001-02	10-23-01 06-10-02	0.78 2.0

KINGS COUNTY

404059073520702. Local number, K1194.4
LOCATION.--Lat 40°40'59", long 73°52'07", Hydrologic Unit 02030202, at east side of Nichols Avenue, 100 ft north of Atlantic Avenue, New Lots. Owner: City of New York.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 32.1 ft above sea level. Measuring point: Top of coupling, 0.34 ft below land-surface datum.
REMARKS.--Replaced well K1194.3 in July 1970 near same location.
PERIOD OF RECORD.--November 1970 to current year. Records for November 1970 to September 1987 are unpublished and are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.30 ft above sea level, March 14, 1995; lowest measured, 0.83 ft below sea level, November 2, 1970.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

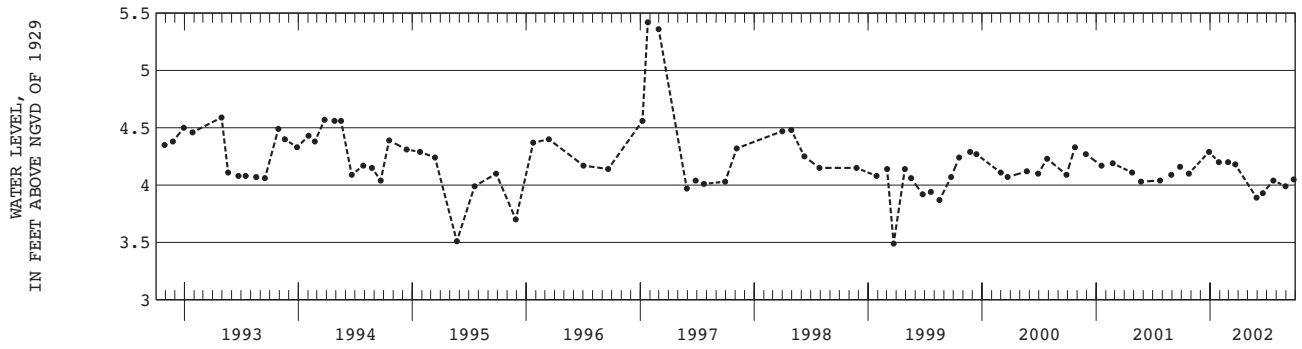
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.11	9.11	---	---	---	---	---	---	---	---	---	---
10	9.10	9.10	---	---	---	---	---	---	---	---	---	---
15	9.10	9.11	---	---	---	---	---	---	---	---	---	---
20	9.11	---	---	---	---	---	---	---	---	---	---	---
25	9.10	---	---	---	---	---	---	---	---	---	---	---
EOM	9.11	---	---	---	---	---	---	---	---	---	---	---
MEAN	9.11	---	---	---	---	---	---	---	---	---	---	---
MAX	9.11	---	---	---	---	---	---	---	---	---	---	---
MIN	9.10	---	---	---	---	---	---	---	---	---	---	---



404236073574601. Local number, K1301.1
LOCATION.--Lat 40°42'35", long 73°57'48", Hydrologic Unit 02030201, at Williamsburg Savings Bank, in basement, 84 ft north of Broadway and 178 ft west of Driggs Avenue, Williamsburg. Owner: Williamsburg Savings Bank.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 6 in., depth 92 ft, screened 72 to 92 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 52.5 ft above sea level. Measuring point: Hole in top of 4-in steel plug, 9.03 ft below land-surface datum.
PERIOD OF RECORD.--January 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft above sea level, October 2, 1978; lowest measured, 7.72 ft below sea level, January 19, 1961.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.10	JAN 28	4.20	MAR 22	4.18	JUN 18	3.93	AUG 30	3.99		
DEC 28	4.29	FEB 27	4.20	MAY 29	3.89	JUL 22	4.04	SEP 25	4.05		

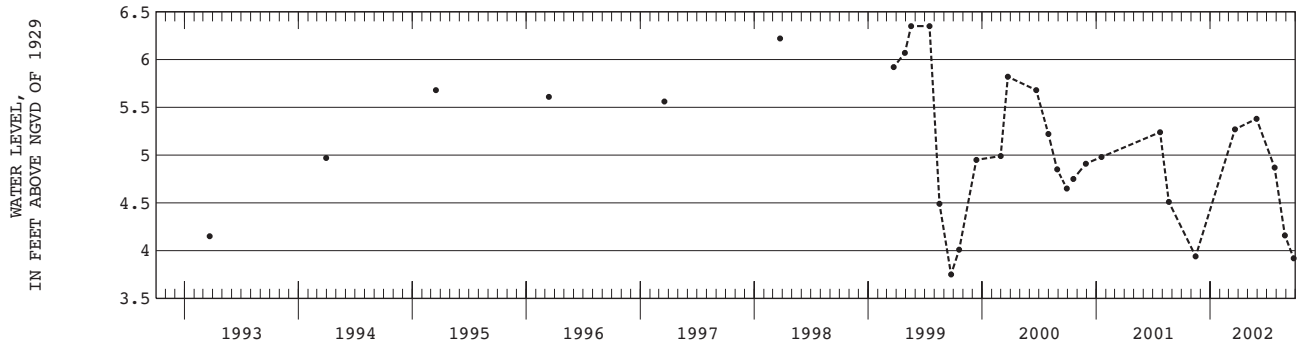


KINGS COUNTY--Continued

403451073585601. Local number, K2859.1
LOCATION.--Lat 40°34'51", long 73°58'56", Hydrologic Unit 02030202, at east side of Stillwell Avenue, 689 ft north of Neptune Avenue, Coney Island. Owner: Great Bear Auto Shop.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel private supply well, diameter 4 in., depth 500 ft, screened 474 to 500 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 8.0 ft above sea level. Measuring point: Top of 2-in steel reducer at 3/4-in hole, 0.79 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft above sea level, May 18 and July 16, 1999; lowest measured, 0.20 ft above sea level, January 8, 1987.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

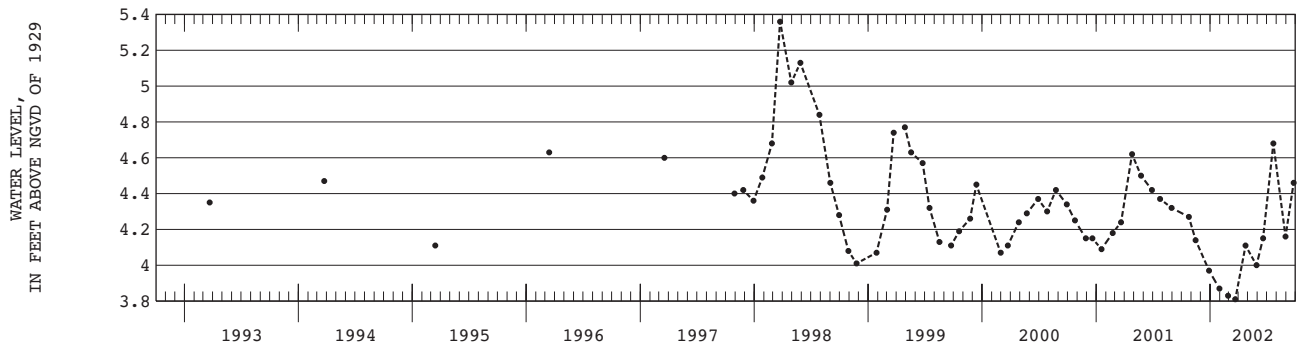
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	3.94	MAR 21	5.27	MAY 29	5.38	JUL 26	4.87	AUG 28	4.16	SEP 25	3.92



403612073573208. Local number, K3159.1
LOCATION.--Lat 40°36'12", long 73°57'32", Hydrologic Unit 02030202, at east side of East 14th Street, 52 ft north of Avenue S, Sheepshead Bay. Owner: City of New York
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 35 ft, screened 32 to 35 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 20.0 ft above sea level. Measuring point: Top of casing, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--July 1970 to June 1976 and April 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.67 ft above sea level, April 11, 1989; lowest measured, 3.60 ft above sea level, July 24, 1970.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.27	DEC 28	3.97	FEB 27	3.83	APR 24	4.11	JUN 19	4.15	AUG 30	4.16
NOV 15	4.14	JAN 30	3.87	MAR 22	3.81	MAY 29	4.00	JUL 22	4.68	SEP 25	4.46

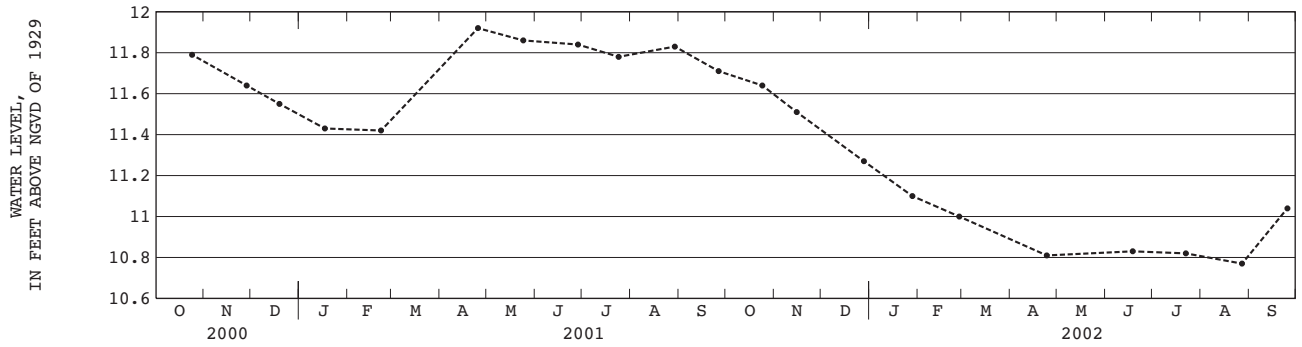


KINGS COUNTY--Continued

404155073552109. Local number, K3245.2
LOCATION.--Lat 40°41'55", long 73°55'21", 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.--Drilled steel observation well, diameter 2 in., depth 21.9 ft, screened 16.9 to 21.9 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 30.0 ft above sea level. Measuring point: Top of casing, 0.99 ft below land-surface datum.
REMARKS.--Replaced well K3245.1 in October 2000 near same location.
PERIOD OF RECORD.--October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft above sea level, April 25, 2001; lowest measured, 10.77 ft above sea level, August 27, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

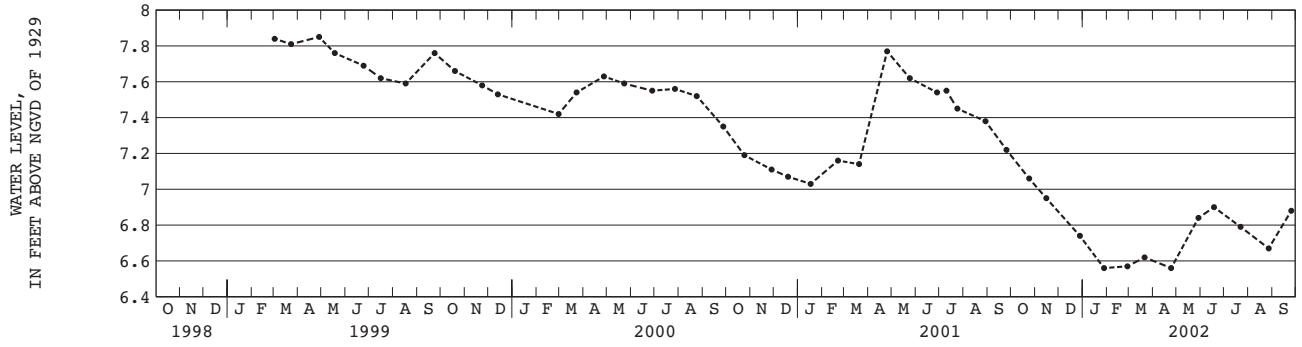
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.64	DEC 28	11.27	FEB 27	11.00	JUN 18	10.83	AUG 27	10.77		
NOV 15	11.51	JAN 28	11.10	APR 24	10.81	JUL 22	10.82	SEP 25	11.04		



403902073552802. Local number, K3246.2
LOCATION.--Lat 40°39'02", long 73°55'28", Hydrologic Unit 02030202, at north side of Snyder Avenue, between Kings Highway and East 56th Street, East Flatbush. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 35 ft, screened 20 to 30 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 25.5 ft above sea level. Measuring point: Top of casing, 0.16 ft below land-surface datum.
REMARKS.--Replaced well K3246.1 in November 1998 near same location.
PERIOD OF RECORD.--March 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.85 ft above sea level, April 28, 1999; lowest measured, 6.56 ft above sea level, January 28 and April 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

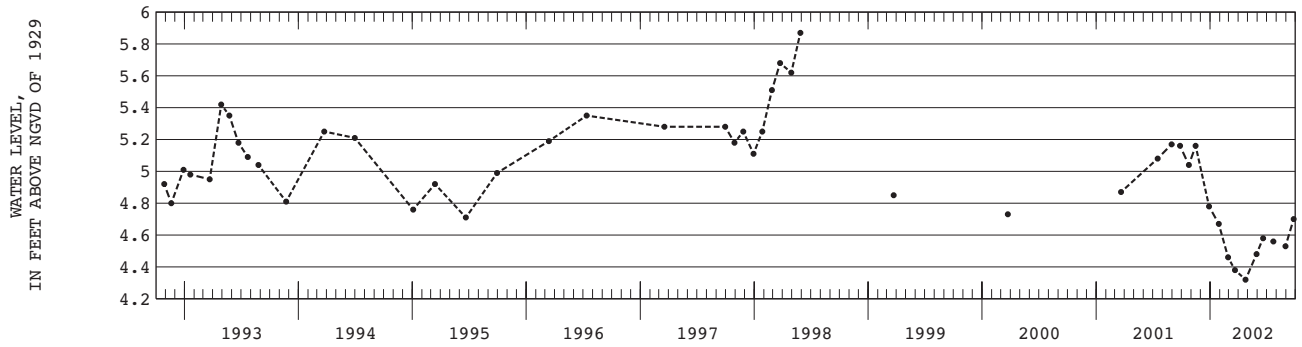
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.06	DEC 28	6.74	FEB 27	6.57	APR 24	6.56	JUN 18	6.90	AUG 27	6.67
NOV 15	6.95	JAN 28	6.56	MAR 21	6.62	MAY 29	6.84	JUL 22	6.79	SEP 25	6.88



403712074001608. Local number, K3248.1
LOCATION.--Lat 40°37'12", long 74°00'16", Hydrologic Unit 02030202, at northwest corner of 73rd Street and 14th Avenue, New Utrecht. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 45 ft, screened 42 to 45 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 40.4 ft above sea level. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 5.87 ft above sea level, May 28, 1998; lowest measured, 3.38 ft above sea level, December 28, 1984.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

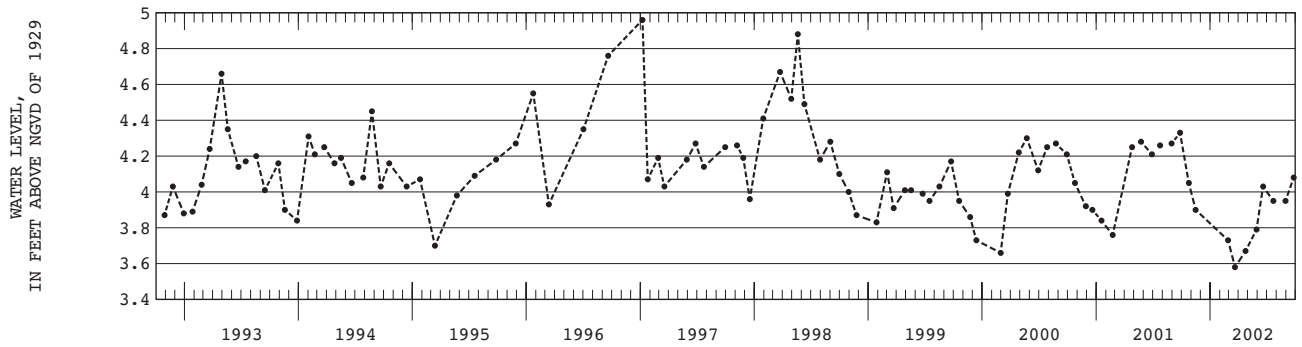
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.04	DEC 28	4.78	FEB 27	4.46	APR 24	4.32	JUN 19	4.58	AUG 30	4.53
NOV 15	5.16	JAN 28	4.67	MAR 21	4.38	MAY 29	4.48	JUL 22	4.56	SEP 25	4.70



403623074002101. Local number, K3249.1
LOCATION.--Lat 40°36'23", long 74°00'23", Hydrologic Unit 02030202, at east side of Bay 16th Street, 42 ft north of Benson Avenue, Bath Beach. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 34 ft, screened 31 to 34 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 31.0 ft above sea level. Measuring point: Top of coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft above sea level, January 24, 1991; lowest measured, 3.16 ft above sea level, May 21, 1985.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

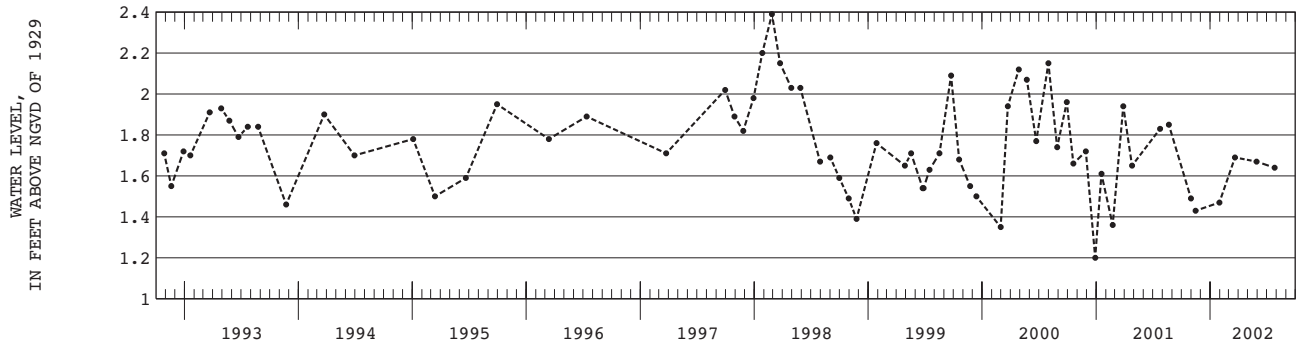
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.05	FEB 27	3.73	APR 24	3.67	JUN 19	4.03	AUG 30	3.95		
NOV 15	3.90	MAR 21	3.58	MAY 29	3.79	JUL 22	3.95	SEP 25	4.08		



403442073575401. Local number, K3250.1
LOCATION.--Lat 40°34'43", long 73°57'55", Hydrologic Unit 02030202, at east side of Brighton 3rd Street, 20 ft south of Oceanview Avenue, Coney Island. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 30 ft, screened 21 to 24 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 9.2 ft above sea level. Measuring point: Top of casing, 0.03 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.39 ft above sea level, February 26, 1998; lowest measured, 0.03 ft below sea level, December 30, 1980.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

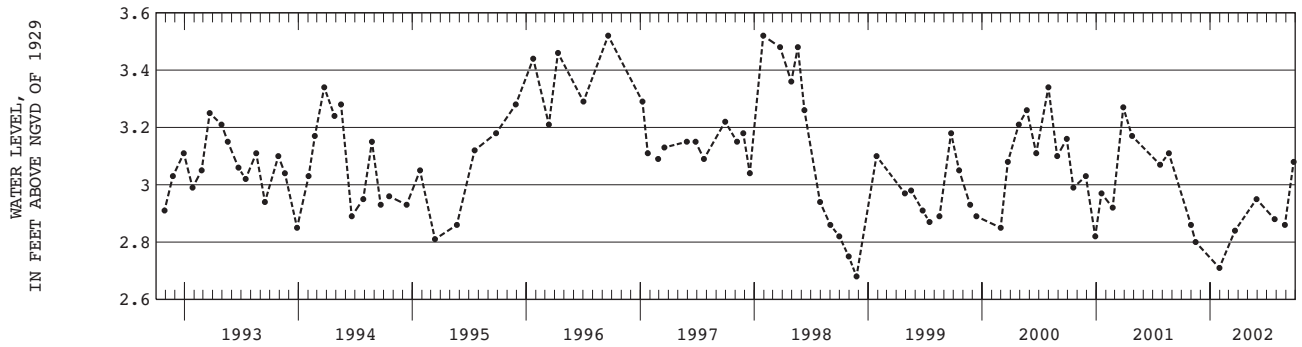
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	1.49	NOV 15	1.43	JAN 30	1.47	MAR 21	1.69	MAY 29	1.67	JUL 26	1.64



403520073575501. Local number, K3251.1
LOCATION.--Lat 40°35'20", long 73°57'55", Hydrologic Unit 02030202, at north side of Avenue Y, 115 ft west of East 6th Street, Brighton Beach. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 23 ft, screened 20 to 23 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 9.5 ft above sea level. Measuring point: Top of coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.52 ft above sea level, September 19, 1996; lowest measured, 2.56 ft above sea level, March 25, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.86	JAN 30	2.71	MAY 29	2.95	AUG 28	2.86				
NOV 15	2.80	MAR 21	2.84	JUL 26	2.88	SEP 25	3.08				

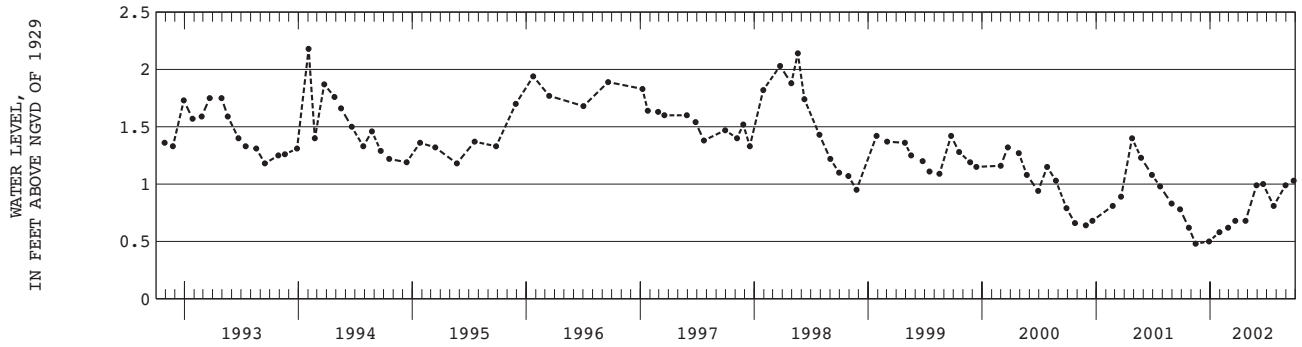


KINGS COUNTY--Continued

403702073555808. Local number, K3252.1
LOCATION.--Lat 40°37'02", long 73°55'58", 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 12.7 ft above sea level. Measuring point: Top of coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.68 ft above sea level, February 11, 1981; lowest measured, 0.48 ft above sea level, November 15, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

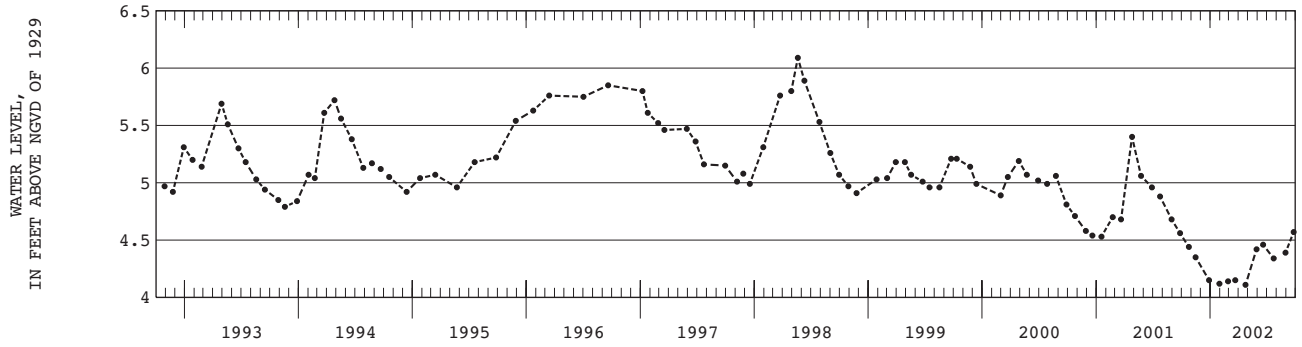
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	.62	DEC 28	.50	FEB 27	.62	APR 24	.68	JUN 19	1.00	AUG 30	.99
NOV 15	.48	JAN 30	.58	MAR 22	.68	MAY 29	.99	JUL 23	.81	SEP 25	1.03



403737073564908. Local number, K3254.1
LOCATION.--Lat 40°37'37", long 73°56'49", 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 26.9 ft above sea level. Measuring point: Top of coupling, 0.09 ft below land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.91 ft above sea level, June 27, 1984; lowest measured, 4.11 ft above sea level, April 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

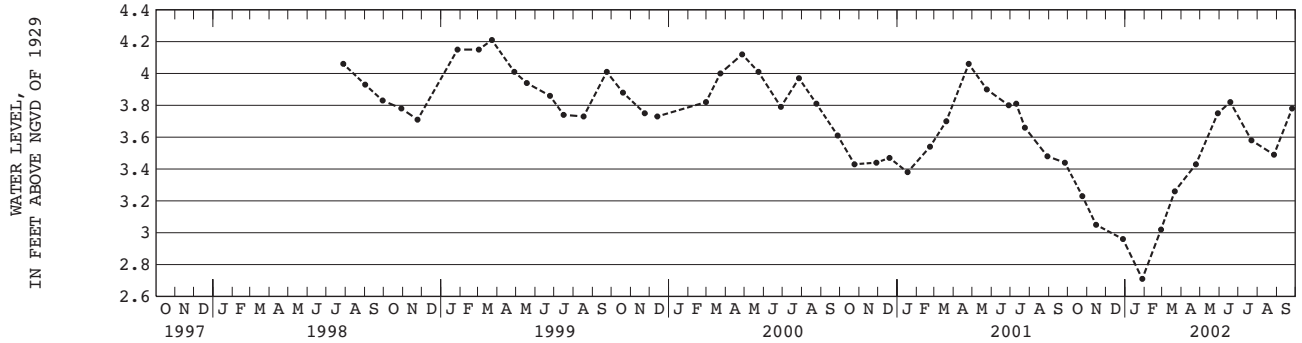
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.44	DEC 28	4.15	FEB 27	4.14	APR 24	4.11	JUN 19	4.46	AUG 30	4.39
NOV 15	4.35	JAN 30	4.12	MAR 22	4.15	MAY 29	4.42	JUL 23	4.34	SEP 25	4.57



403827073535202. Local number, K3255.2
LOCATION.--Lat 40°38'27", long 73°53'52", Hydrologic Unit 02030202, at south side of Avenue J, 120 ft east of Rockaway Avenue, Canarsie. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 25 ft, screened 15 to 25 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 17.0 ft above sea level. Measuring point: Top of casing, 0.42 ft below land-surface datum.
REMARKS.--Replaced well K3255.1 in June 1998 near same location.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.21 ft above sea level, March 23, 1999; lowest measured, 2.71 ft above sea level, January 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

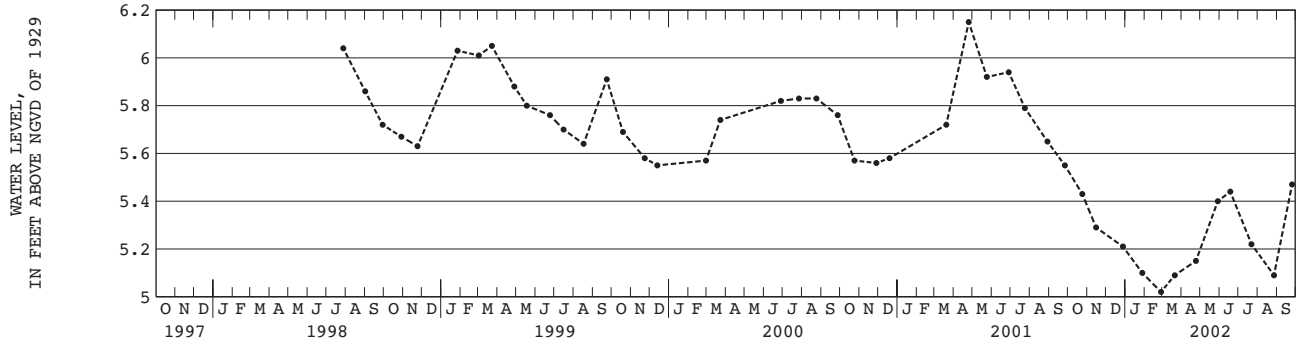
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.23	DEC 28	2.96	FEB 27	3.02	APR 24	3.43	JUN 18	3.82	AUG 27	3.49
NOV 15	3.05	JAN 28	2.71	MAR 21	3.26	MAY 29	3.75	JUL 22	3.58	SEP 25	3.78



403949073532109. Local number, K3256.2
LOCATION.--Lat 40°39'49", long 73°53'21", Hydrologic Unit 02030202, at intersection of New Lots Avenue, Riverdale Avenue, and Miller Avenue, at north side of Wyckoff Triangle, East New York. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 40 ft, screened 25 to 35 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.0 ft above sea level. Measuring point: Top of casing, 0.38 ft below land-surface datum.
REMARKS.--Replaced well K3256.1 in June 1998 near same location.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.15 ft above sea level, April 25, 2001; lowest measured, 5.02 ft above sea level, February 27, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.43	DEC 28	5.21	FEB 27	5.02	APR 24	5.15	JUN 18	5.44	AUG 27	5.09
NOV 15	5.29	JAN 28	5.10	MAR 21	5.09	MAY 29	5.40	JUL 22	5.22	SEP 25	5.47

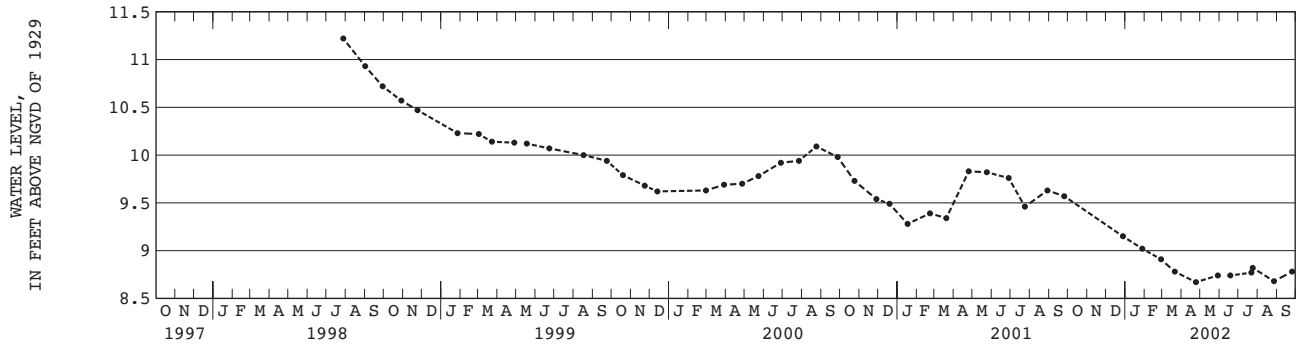


KINGS COUNTY--Continued

404017073544502. Local number, K3257.2
LOCATION.--Lat 40°40'17", long 73°54'45", Hydrologic Unit 02030202, at east side of Chester Street, 188 ft south of East New York Avenue, Brownsville. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 40 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 48.5 ft above sea level. Measuring point: Top of coupling, 0.28 ft below land-surface datum.
REMARKS.--Replaced well K3257.1 in June 1998 near same location.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.22 ft above sea level, July 28, 1998; lowest measured, 8.67 ft above sea level, April 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

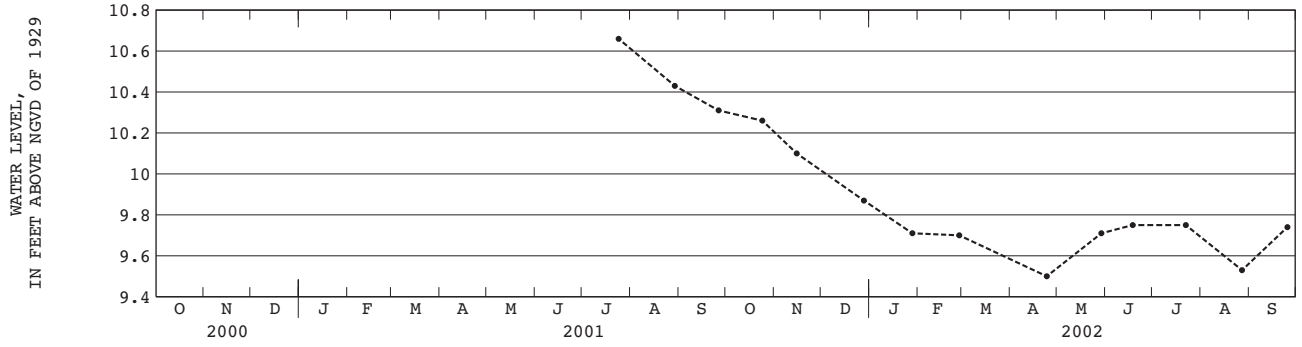
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	9.15	FEB 27	8.91	APR 24	8.67	JUN 18	8.74	JUL 24	8.82	SEP 25	8.78
JAN 28	9.02	MAR 21	8.78	MAY 29	8.74	JUL 22	8.77	AUG 27	8.68		



404325073563509. Local number, K3260.2
LOCATION.--Lat 40°43'25", long 73°56'35", Hydrologic Unit 02030201, at west side of Monitor Avenue, 50 ft north of Driggs Avenue, Greenpoint. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 42.6 ft, screened 32.6 to 37.6 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 29.0 ft above sea level. Measuring point: Top of casing, 0.30 ft below land-surface datum.
REMARKS.--Replaced well K3260.1 in July 2001 near same location.
PERIOD OF RECORD.--July 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.66 ft above sea level, July 24, 2001; lowest measured, 9.50 ft above sea level, April 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

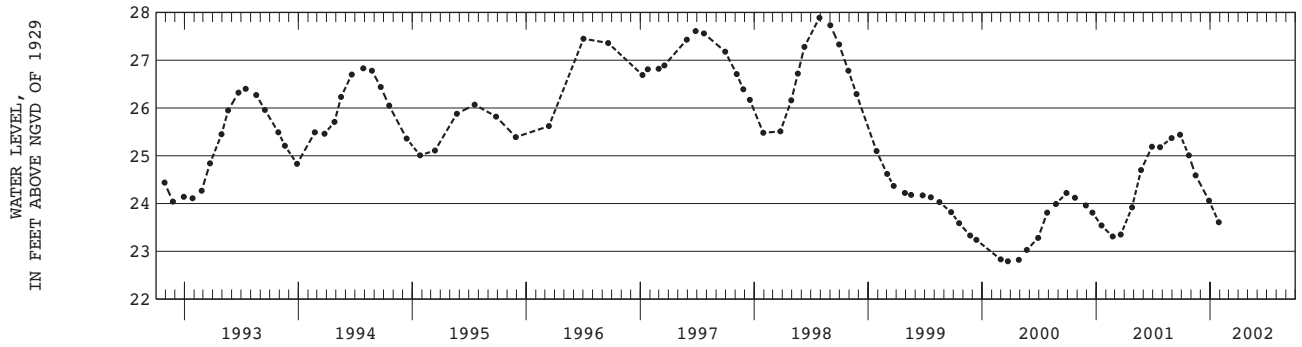
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.26	DEC 28	9.87	FEB 27	9.70	MAY 29	9.71	JUL 22	9.75	SEP 25	9.74
NOV 15	10.10	JAN 28	9.71	APR 24	9.50	JUN 18	9.75	AUG 27	9.53		



404036073584008. Local number, K3261.1
LOCATION.--Lat 40°40'37", long 73°58'41", Hydrologic Unit 02030201, at east side of Lincoln Place, 122 ft north of 6th Avenue, northernmost well, Park Slope. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 45 ft, screened 42 to 45 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 64.8 ft above sea level. Measuring point: Top of coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.86 ft above sea level, March 16, 1984; lowest measured, 22.79 ft above sea level, March 23, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

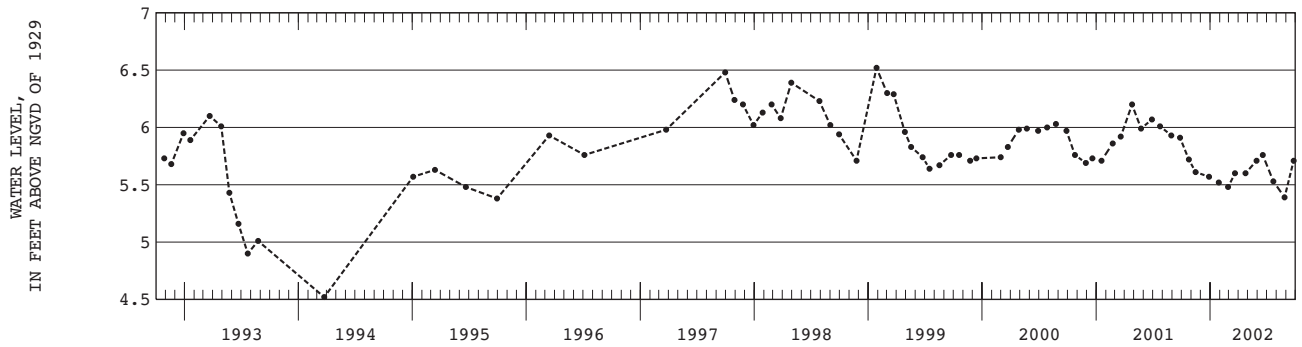
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	25.01	NOV 15	24.59	DEC 28	24.06	JAN 28	23.61



404025073515101. Local number, K3271.1
LOCATION.--Lat 40°40'25", long 73°51'51", Hydrologic Unit 02030202, at west side of Eldert Lane, 45 ft south of Sutter Avenue, East New York. 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.4 ft above sea level. Measuring point: Top of $^{1}/_{4}$-in hole in steel plug, 0.02 ft above land-surface datum.
PERIOD OF RECORD.--June 1981 to October 1985 and March 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.52 ft above sea level, January 27, 1999; lowest measured, 4.46 ft above sea level, December 21, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.72	DEC 28	5.57	FEB 27	5.48	APR 24	5.60	JUN 18	5.76	AUG 27	5.39
NOV 15	5.61	JAN 28	5.52	MAR 21	5.60	MAY 29	5.71	JUL 22	5.53	SEP 25	5.71

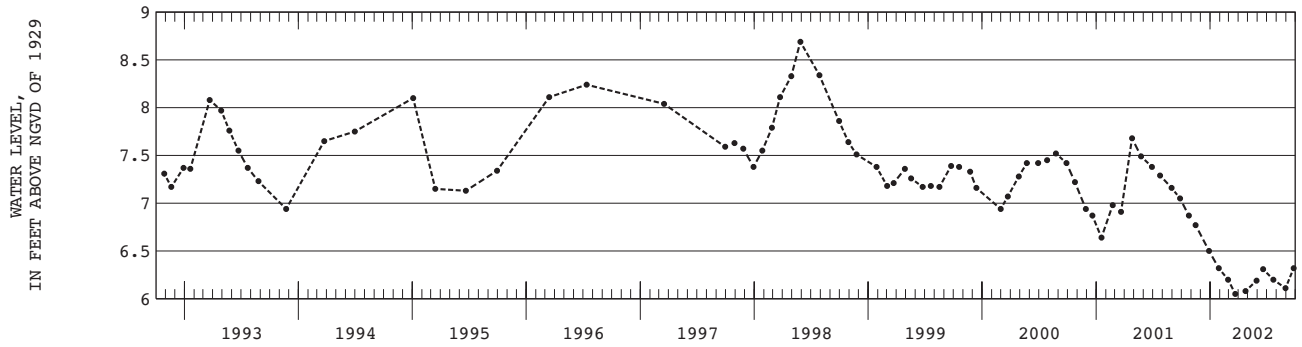


KINGS COUNTY--Continued

403817073580101. Local number, K3273.1
LOCATION.--Lat 40°38'17", long 73°58'01", Hydrologic Unit 02030202, at east side of Westminster Road, 33 ft north of Dorchester Road, Flatbush. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 39 ft, screened 36 to 39 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 33.5 ft above sea level. Measuring point: Top of coupling, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to October 1985 and May 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.32 ft above sea level, March 19, 1984; lowest measured, 6.05 ft above sea level, March 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

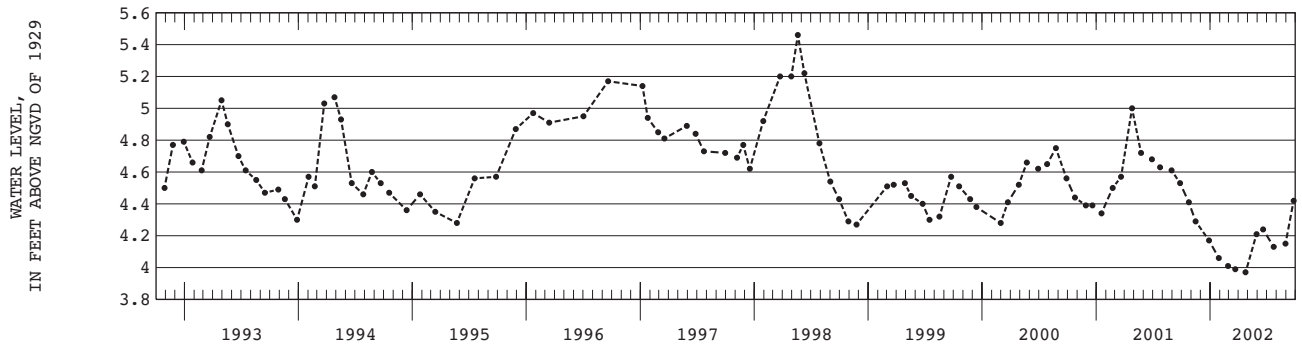
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.87	DEC 28	6.50	FEB 27	6.20	APR 24	6.08	JUN 19	6.31	AUG 30	6.11
NOV 15	6.77	JAN 28	6.32	MAR 22	6.05	MAY 29	6.19	JUL 22	6.20	SEP 25	6.32



403635073580108. Local number, K3274.1
LOCATION.--Lat 40°36'35", long 73°58'01", Hydrologic Unit 02030202, at west side of East 7th Street, 49 ft north of Avenue P, Gravesend. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 34 ft, screened 31 to 34 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.5 ft above sea level. Measuring point: Top of casing, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.88 ft above sea level, October 3, 1984; lowest measured, 3.53 ft above sea level, October 6, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

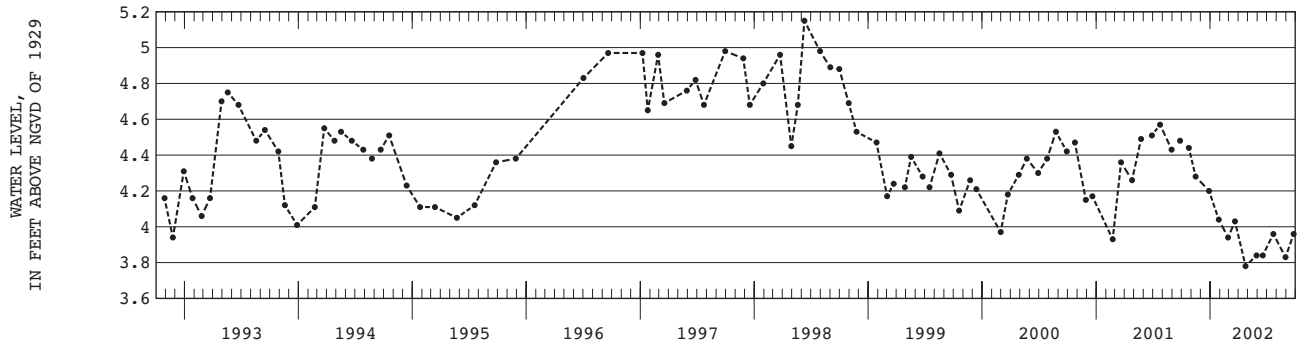
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.41	DEC 28	4.17	FEB 27	4.01	APR 24	3.97	JUN 19	4.24	AUG 30	4.15
NOV 15	4.29	JAN 28	4.06	MAR 22	3.99	MAY 29	4.21	JUL 23	4.13	SEP 25	4.42



403737074011701. Local number, K3275.1
LOCATION.--Lat 40°37'37", long 74°01'17", 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 67.2 ft above sea level. Measuring point: Top of coupling, 0.05 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year. Unpublished records from June 1981 to September 1982 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.65 ft above sea level, January 5, 1984; lowest measured, 3.20 ft above sea level, April 28, 1989.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

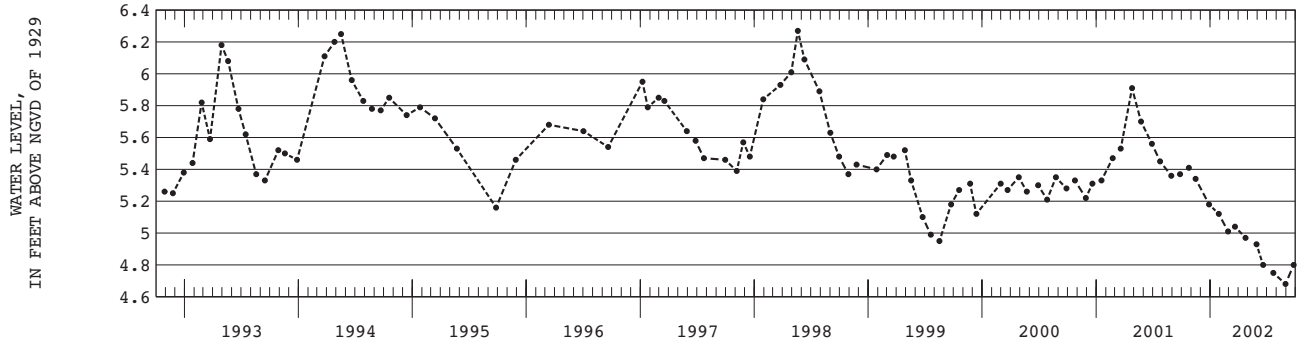
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.44	DEC 28	4.20	FEB 27	3.94	APR 24	3.78	JUN 18	3.84	AUG 30	3.83
NOV 15	4.28	JAN 28	4.04	MAR 21	4.03	MAY 29	3.84	JUL 22	3.96	SEP 25	3.96



404135073584001. Local number, K3276.1
LOCATION.--Lat 40°41'35", long 73°58'40", Hydrologic Unit 02030201, at east side of Saint 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 38.0 ft above sea level. Measuring point: Top of coupling, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--April 1981 to current year. Unpublished records from April 1981 to September 1982 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft above sea level, January 5, 1984; lowest measured, 4.30 ft above sea level, October 1, 1985.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.41	DEC 28	5.18	FEB 27	5.01	APR 24	4.97	JUN 19	4.80	AUG 30	4.68
NOV 15	5.34	JAN 28	5.12	MAR 21	5.04	MAY 29	4.93	JUL 22	4.75	SEP 25	4.80

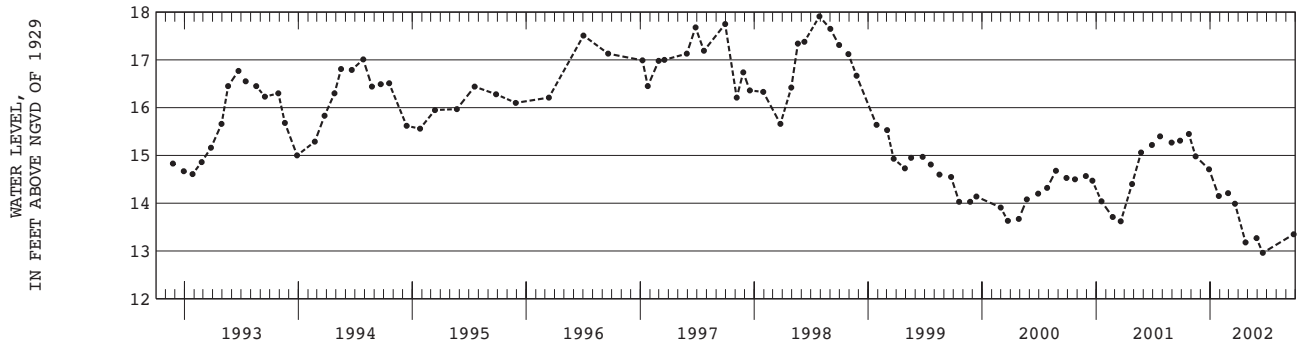


KINGS COUNTY--Continued

404037073584001. Local number, K3301.1
LOCATION.--Lat 40°40'36", long 73°58'40", Hydrologic Unit 02030201, at north side of Lincoln Place, 120 ft east of 6th Avenue, easternmost well, Park Slope. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 70 ft, screened 65 to 70 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 60.6 ft above sea level. Measuring point: Top of coupling, 1.6 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to October 1985 and June 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.16 ft above sea level, June 28, 1984; lowest measured, 12.96 ft above sea level, June, 18 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

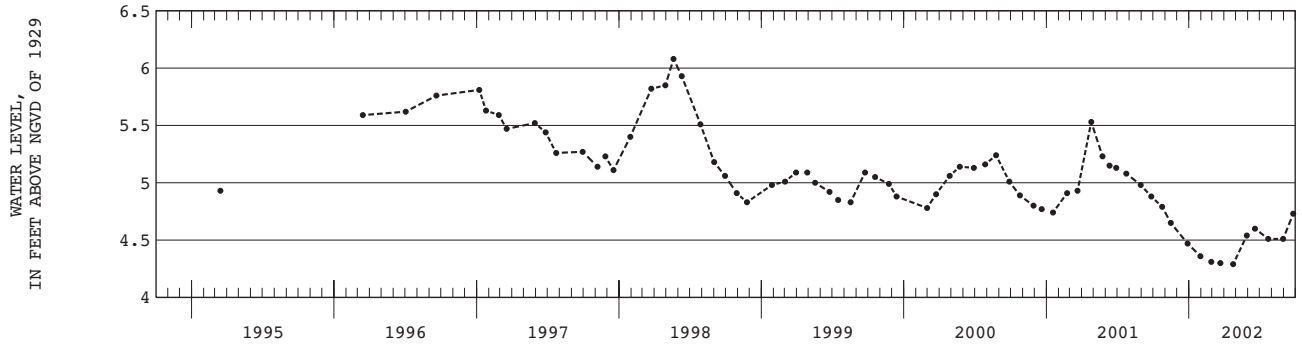
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	15.45	DEC 28	14.71	FEB 27	14.21	APR 24	13.18	JUN 18	12.96		
NOV 15	14.98	JAN 28	14.15	MAR 21	13.99	MAY 29	13.27	SEP 25	13.35		



403719073573301. Local number, K3405.1
LOCATION.--Lat 40°37'19", long 73°57'33", Hydrologic Unit 02030202, at west side of East 17th Street, 0.1 mile north of Avenue L, Midwood. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 214 ft, screened 204 to 214 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 33.5 ft above sea level. Measuring point: Top of casing, 0.01 ft below land-surface datum.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft above sea level, May 20, 1998; lowest measured, 4.29 ft above sea level, April 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.79	DEC 28	4.47	FEB 27	4.31	APR 24	4.29	JUN 19	4.60	AUG 30	4.51
NOV 15	4.65	JAN 30	4.36	MAR 22	4.30	MAY 29	4.54	JUL 23	4.51	SEP 25	4.73

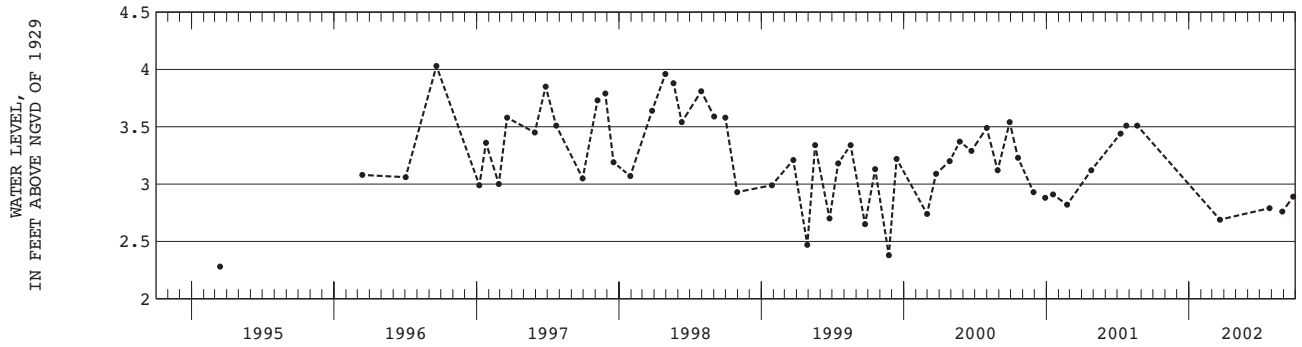


KINGS COUNTY--Continued

403806074021901. Local number, K3406.1
LOCATION.--Lat 40°38'06", long 74°02'19", Hydrologic Unit 02030201, at west side of Shore Road, north of 74th Street, at northwest corner of Promenade Park, Bay Ridge. Owner: United States Geological Survey.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 155 ft, screened 135 to 145 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 14.4 ft above sea level. Measuring point: Top of casing, 0.04 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.03 ft above sea level, September 19, 1996; lowest measured, 2.28 ft above sea level, March 14, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

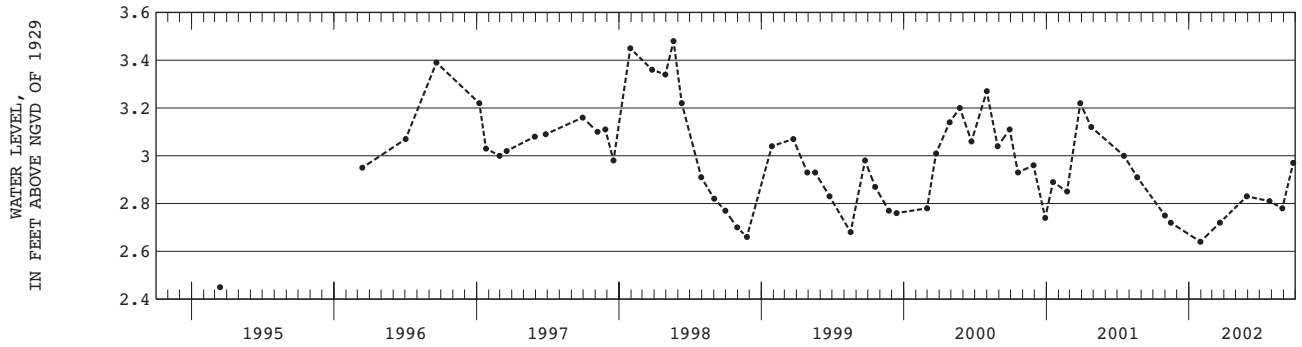
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 21	2.69	JUL 26	2.79	AUG 28	2.76	SEP 25	2.89



403520073575701. Local number, K3407.1
LOCATION.--Lat 40°35'20", long 73°57'57", Hydrologic Unit 02030202, at west side of northbound Ocean Parkway service road, 54 ft north of Avenue Y, Gravesend. Owner: United States Geological Survey.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 405 ft, screened 385 to 405 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 8.5 ft above sea level. Measuring point: Top of casing, 0.03 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.48 ft above sea level, May 20, 1998; lowest measured, 2.45 ft above sea level, March 14, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.75	JAN 30	2.64	MAY 29	2.83	AUG 28	2.78				
NOV 15	2.72	MAR 21	2.72	JUL 26	2.81	SEP 25	2.97				

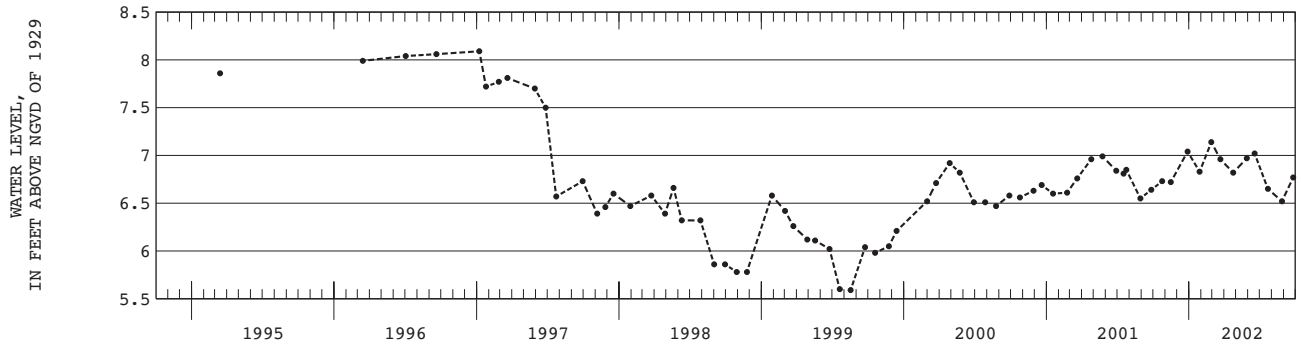


KINGS COUNTY--Continued

404039073555002. Local number, K3410.1
LOCATION.--Lat 40°40'39", long 73°55'50", Hydrologic Unit 02030201, at east side of Utica Avenue, 54 ft north of Atlantic Avenue, northernmost well, Bedford-Stuyvesant. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 360 ft, screened 330 to 350 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 61.8 ft above sea level. Measuring point: Top of casing, 0.09 ft below land-surface datum.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.09 ft above sea level, January 7, 1997; lowest measured, 5.59 ft above sea level, August 17, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

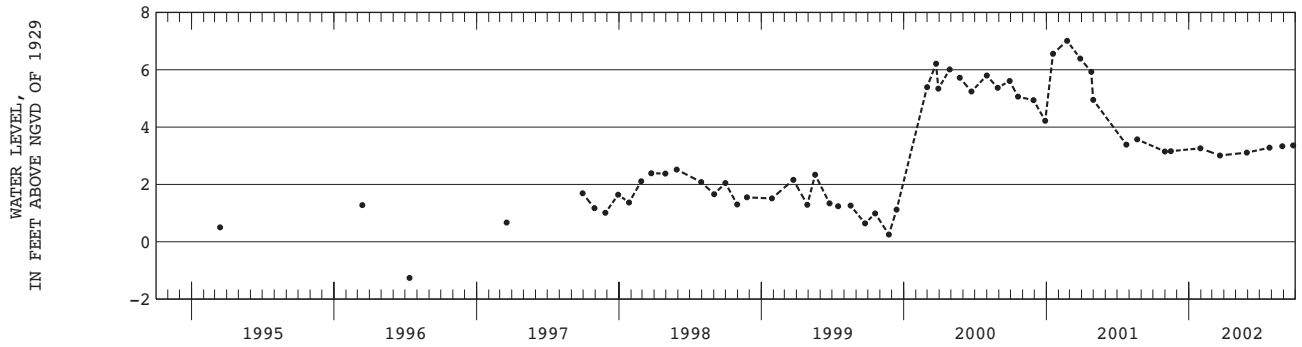
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.73	DEC 28	7.04	FEB 27	7.14	APR 24	6.82	JUN 18	7.02	AUG 27	6.52
NOV 15	6.72	JAN 28	6.83	MAR 22	6.96	MAY 29	6.97	JUL 22	6.65	SEP 25	6.77



403431073581101. Local number, K3414.1
LOCATION.--Lat 40°34'31", long 73°58'11", Hydrologic Unit 02030202, at south side of Sea Breeze Avenue, 200 ft west of Ocean Parkway, Coney Island. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 410 ft, screened 390 to 410 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.1 ft above sea level. Measuring point: Top of casing, 0.09 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.01 ft above sea level, February 22, 2001; lowest measured, 1.26 ft below sea level, July 12, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

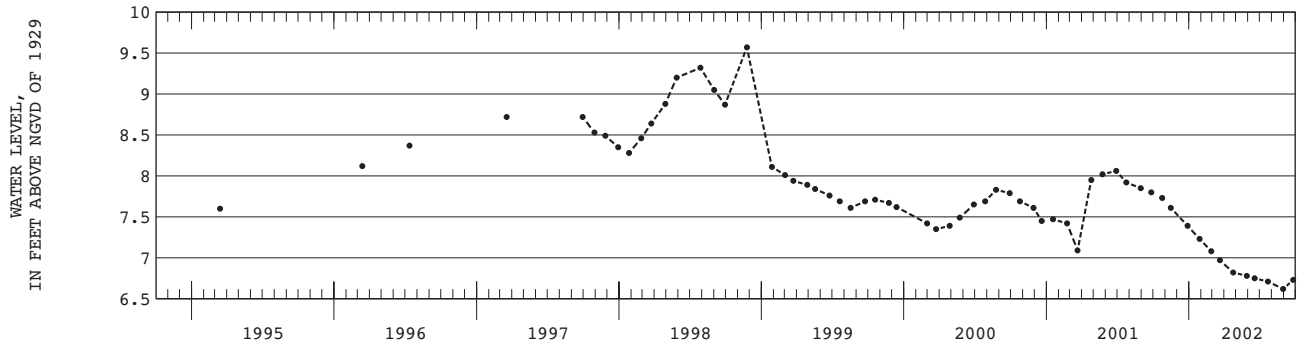
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	3.15	JAN 30	3.26	MAY 29	3.11	AUG 28	3.33				
NOV 15	3.16	MAR 21	3.01	JUL 26	3.28	SEP 25	3.36				



403840073592101. Local number, K3424.1
LOCATION.--Lat 40°38'40", long 73°59'21", Hydrologic Unit 02030201, at north side of Fort Hamilton Parkway, 176 ft east of 37th Street, Borough Park. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 75 ft, screened 70 to 75 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 75.4 ft above sea level. Measuring point: Top of coupling, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.57 ft above sea level, November 24, 1998; lowest measured, 6.62 ft above sea level, August 30, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

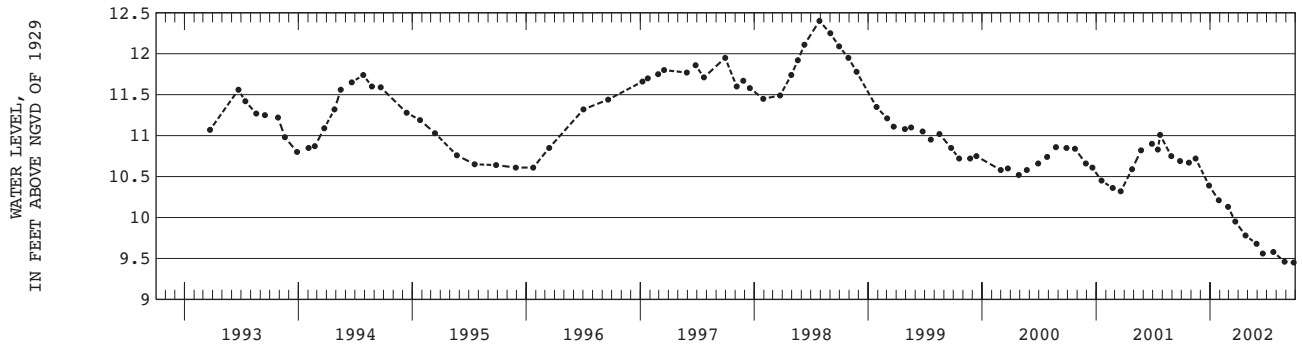
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.73	DEC 28	7.39	FEB 27	7.08	APR 24	6.82	JUN 18	6.75	AUG 30	6.62
NOV 15	7.61	JAN 28	7.23	MAR 21	6.97	MAY 29	6.78	JUL 22	6.71	SEP 25	6.73



404039073555001. Local number, K3425.1
LOCATION.--Lat 40°40'39", long 73°55'50", Hydrologic Unit 02030201, at east side of Utica Avenue, 50 ft north of Atlantic Avenue, southernmost well, Bedford-Stuyvesant. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 70 to 75 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 61.9 ft above sea level. Measuring point: Top of casing, 0.05 ft below land-surface datum.
PERIOD OF RECORD.--March 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.40 ft above sea level, July 28, 1998; lowest measured, 9.45 ft above sea level, September 25, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.67	DEC 28	10.39	FEB 27	10.13	APR 24	9.78	JUN 18	9.56	AUG 27	9.46
NOV 15	10.72	JAN 28	10.21	MAR 22	9.95	MAY 29	9.68	JUL 22	9.58	SEP 25	9.45

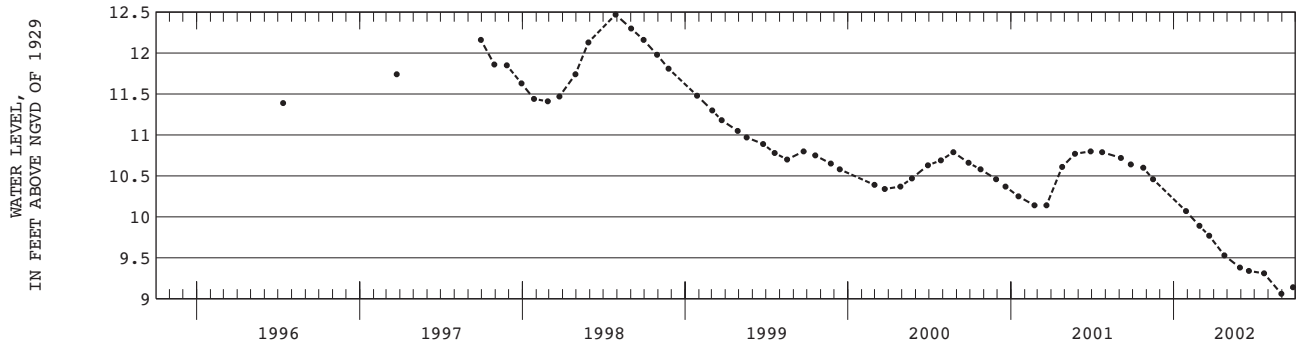


KINGS COUNTY--Continued

403941073574302. Local number, K3431.1
LOCATION.--Lat 40°39'41", long 73°57'43", Hydrologic Unit 02030201, at Prospect Park, west side of East Park Drive, across from Lincoln Road exit, southernmost well, Flatbush. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 385 ft, screened 355 to 375 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 81.3 ft above sea level. Measuring point: Top of casing, 0.26 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.47 ft above sea level, July 28, 1998; lowest measured, 9.06 ft above sea level, August 30, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

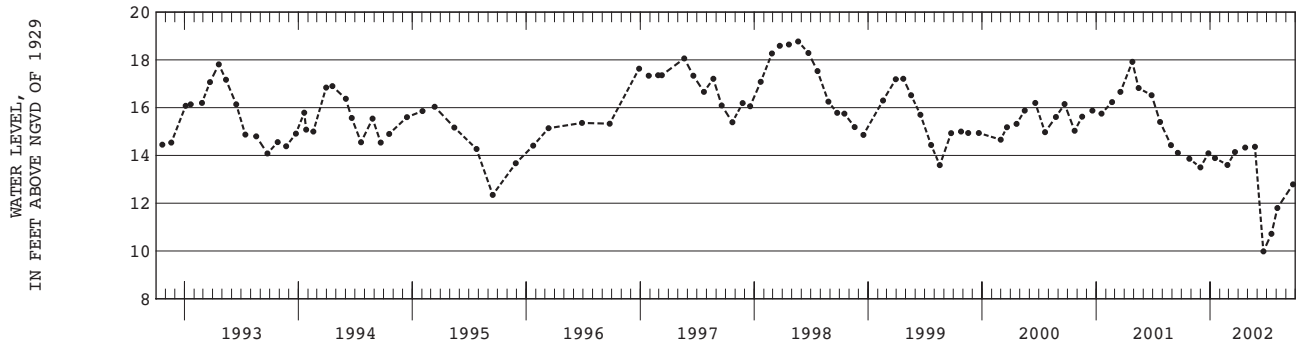
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.60	JAN 28	10.07	MAR 21	9.77	MAY 29	9.38	JUL 22	9.31	SEP 25	9.14
NOV 15	10.46	FEB 27	9.89	APR 24	9.53	JUN 18	9.34	AUG 30	9.06		



404048073412602. Local number, N9.1
LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Valley Stream State Park, 30 ft west of Corona Avenue, 650 ft north of Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 138 ft, screened 98 to 138 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.6 ft above sea level. Measuring point: Top of casing, 2.08 ft above land-surface datum.
PERIOD OF RECORD.--July 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft above sea level, September 23, 1938; lowest measured, 5.95 ft above sea level, March 22, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

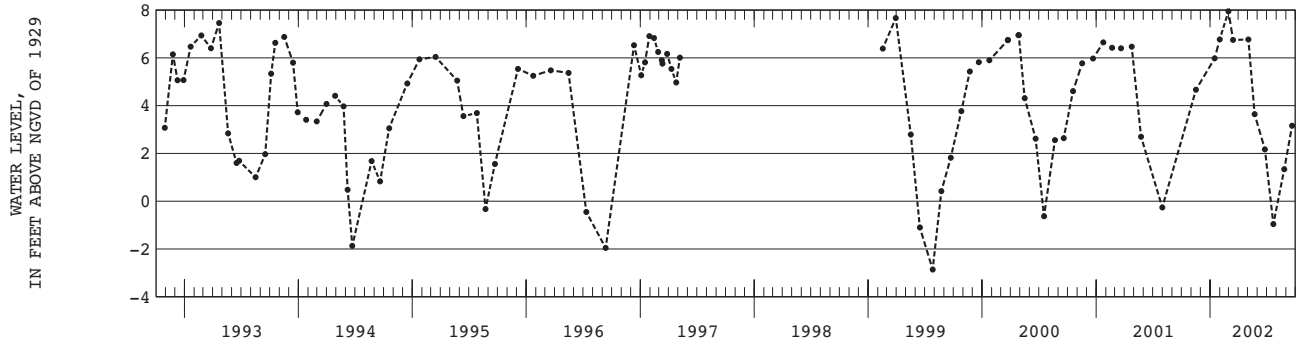
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.86	DEC 26	14.09	FEB 25	13.60	APR 23	14.33	JUN 20	9.98	AUG 04	11.80
NOV 30	13.50	JAN 16	13.89	MAR 21	14.14	MAY 24	14.36	JUL 16	10.72	SEP 23	12.79



405010073414901. Local number, N35.1
LOCATION.--Lat 40°50'10", long 73°41'51", Hydrologic Unit 02030201, at Port Washington Water District Pumping Center, 115 ft south of Sandy Hollow Road, in recorder shelter, Port Washington. Owner: Port Washington Water District.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 16 in. to 6 in., depth 387 ft, screen 287 to 387 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 13.6 ft above sea level. Measuring point: Top of steel recorder shelter flange, 3.64 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--August 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft above sea level, January 31, 1958; lowest measured, 16.15 ft below sea level, July 29, 1954.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	4.67	JAN 31	6.77	MAR 15	6.75	MAY 23	3.64	JUL 22	-.96	SEP 20	3.16
JAN 15	5.98	FEB 28	7.95	MAY 03	6.77	JUN 25	2.17	AUG 26	1.34		

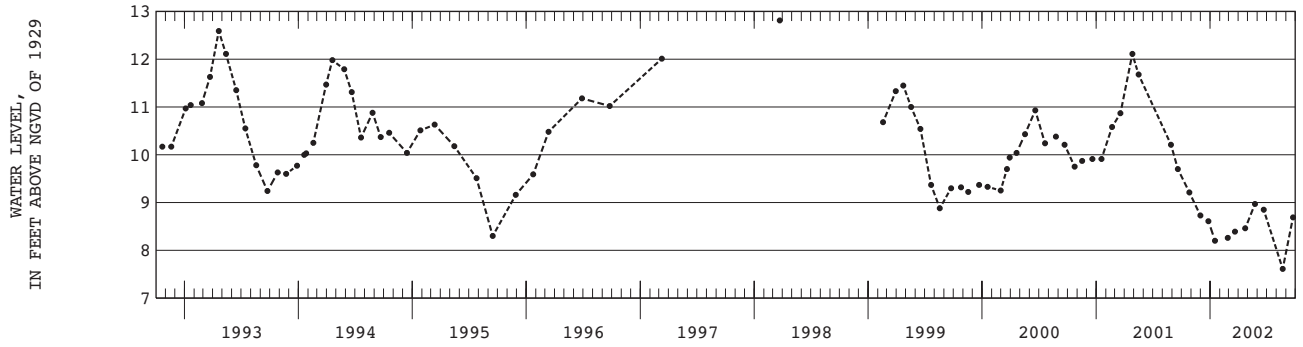


NASSAU COUNTY--Continued

403929073382908. Local number, N53.1
LOCATION.--Lat 40°39'29", long 73°38'29", Hydrologic Unit 02030202, at Rockville Centre Municipal Power Plant, in battery room, Maple Avenue and Morris Avenue, Rockville Centre. Owner: Village of Rockville Center.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 26.2 ft above sea level. Measuring point: Top of 2-in steel extender, 5.24 ft below land-surface datum.
PERIOD OF RECORD.--August 1934 to current year. Unpublished records from August 1934 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft above sea level, April 15, 1939; lowest measured, 7.61 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

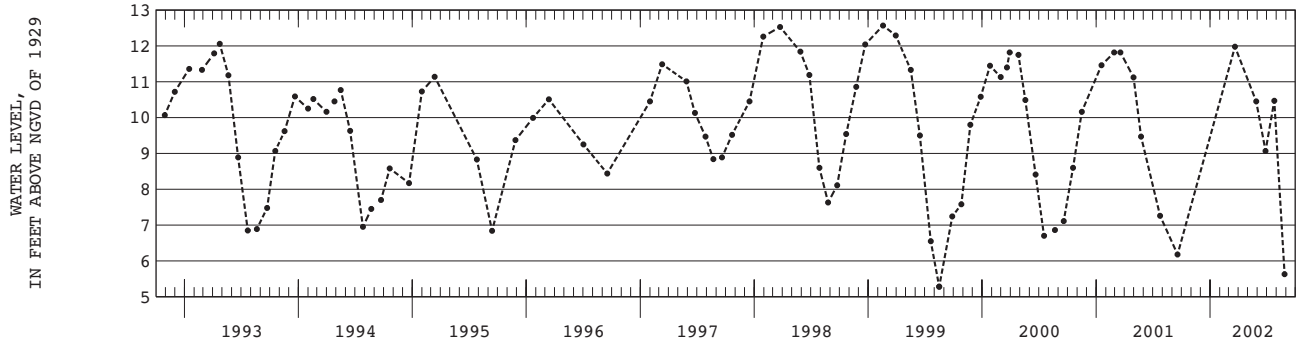
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.21	DEC 26	8.61	FEB 26	8.26	APR 23	8.46	JUN 21	8.85	SEP 23	8.69
NOV 30	8.73	JAN 16	8.20	MAR 21	8.39	MAY 24	8.97	AUG 21	7.61		



403922073353501. Local number, N67.1
LOCATION.--Lat 40°39'22", long 73°35'35", Hydrologic Unit 02030202, at Freeport Power Station, in battery room, 105 ft north of Sunrise Highway (State Route 27), west of Long Beach Avenue, Freeport. Owner: Village of Freeport.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 1,052 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of casing, 1.00 ft below land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--December 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.95 ft above sea level, May 8, 1957; lowest measured, 3.76 ft below sea level, March 23, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

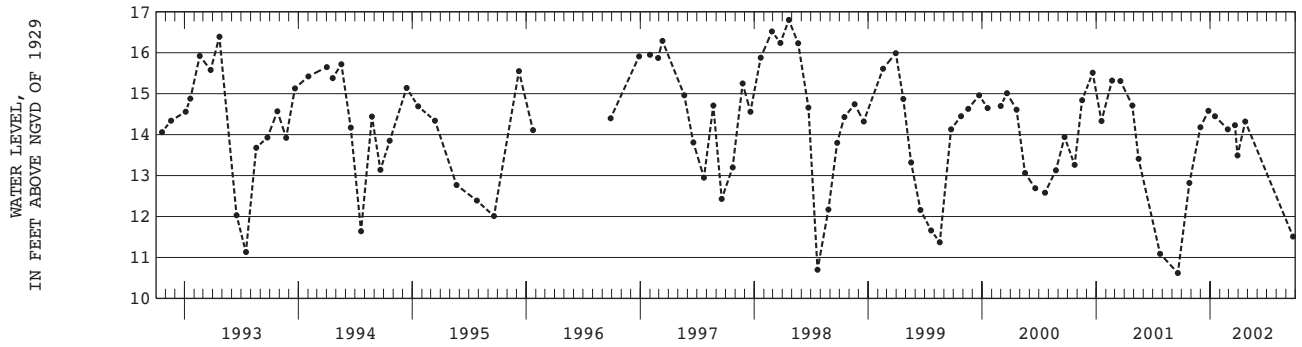
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 21	11.98	MAY 28	10.45	JUN 27	9.07	JUL 25	10.47	AUG 27	5.63		



404030073293703. Local number, N180.2
LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Long Island Railroad track embankment, 200 ft north of Sunrise Highway (State Route 27), west of Seaford-Oyster Bay Expressway (State Route 135), Seaford. Owner: City of New York.
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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 16.0 ft above sea level. Measuring point: Top of coupling, 13.69 ft above land-surface datum.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft above sea level, June 6, 1952; lowest measured, 10.62 ft above sea level, September 19, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

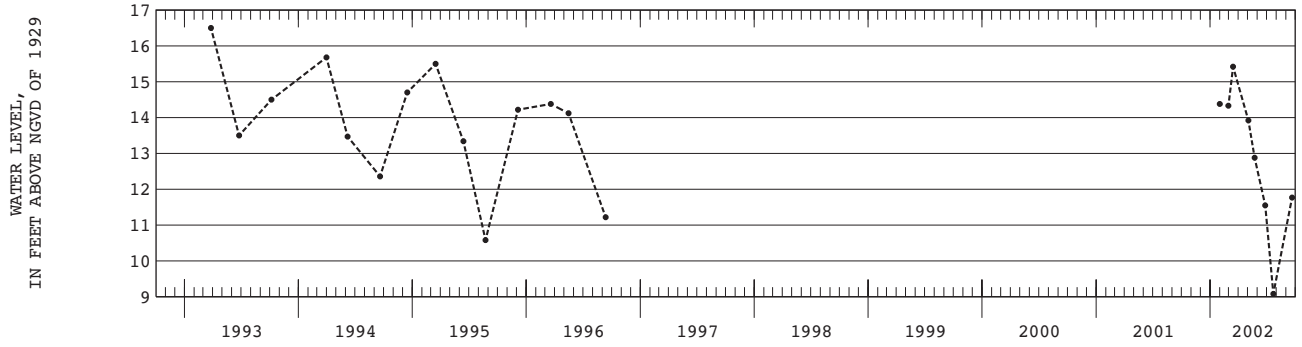
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	12.82	DEC 26	14.58	FEB 26	14.13	MAR 29	13.49	SEP 23	11.51		
NOV 30	14.18	JAN 16	14.45	MAR 21	14.23	APR 23	14.32				



404940073392701. Local number, N662.1
LOCATION.--Lat 40°49'40", long 73°39'27", Hydrologic Unit 02030201, at Bar Beach, east side of Shore Road, Port Washington. Owner: Town of North Hempstead.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 364 ft, screen 347 to 363 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.6 ft above sea level. Measuring point: Top of coupling, 5.90 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.50 ft above sea level, March 26, 1993; lowest measured, 9.08 ft above sea level, July 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	14.38	MAR 15	15.42	MAY 23	12.88	JUL 22	9.08				
FEB 28	14.33	MAY 03	13.92	JUN 26	11.55	SEP 20	11.77				

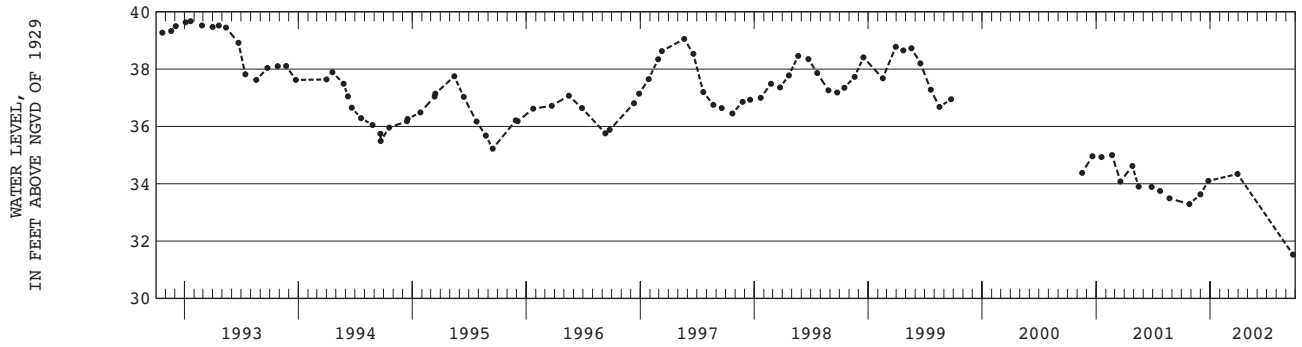


NASSAU COUNTY--Continued

404609073421602. Local number, N1102.2
LOCATION.--Lat 40°46'09", long 73°42'16", Hydrologic Unit 02030201, at southwest corner of Community Drive and Long Island Expressway westbound service road, Lake Success. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 166 ft, screened 161 to 166 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 184.0 ft above sea level. Measuring point: Top of coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaced well N1102.1 in March 1963 near same location, which has a period of record from October 1937 to March 1963.
PERIOD OF RECORD.--April 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.02 ft above sea level, April 24, 1963; lowest measured, 28.90 ft above sea level, January 19, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

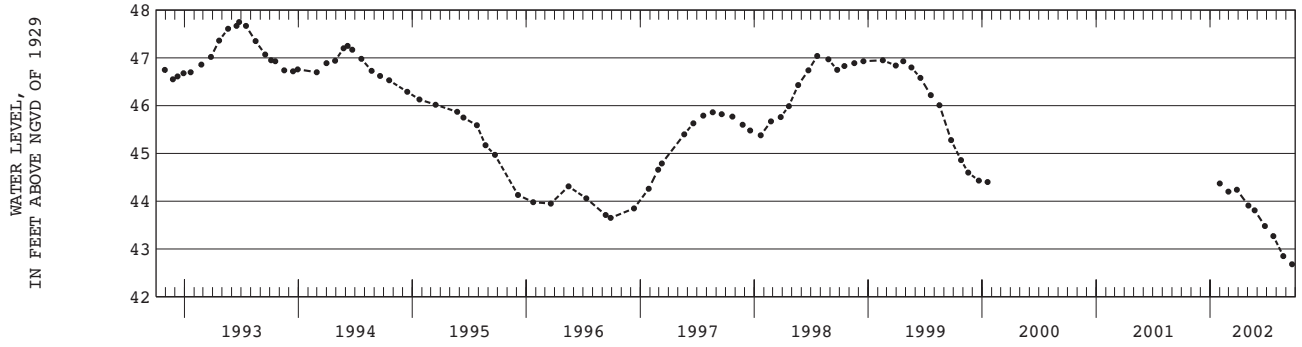
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	33.29	NOV 30	33.63	DEC 26	34.10	MAR 29	34.34	SEP 23	31.53



404835073404004. Local number, N1120.4
LOCATION.--Lat 40°48'35", long 73°40'40", Hydrologic Unit 02030201, at northwest corner of Port Washington Blvd and Bonnie Heights Road, Flower Hill. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 100 ft, screened 95 to 100 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 116.0 ft above sea level. Measuring point: Top of coupling, 0.50 ft above land-surface datum.
REMARKS.--Replaced well N1120.3 in March 1976 near same location.
PERIOD OF RECORD.--March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.65 ft above sea level, March 16, 1976; lowest measured, 42.68 ft above sea level, September 20, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	44.37	MAR 27	44.24	MAY 23	43.81	JUL 22	43.27	SEP 20	42.68		
FEB 28	44.20	MAY 03	43.91	JUN 25	43.48	AUG 23	42.85				

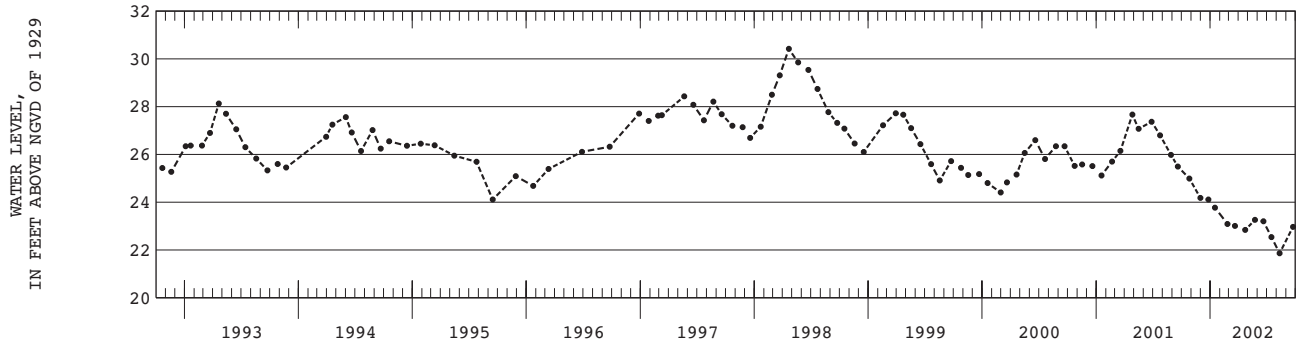


NASSAU COUNTY--Continued

404125073394802. Local number, N1129.2
LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at east side of Euclid Avenue, 30 ft south of Hawthorne Street, West Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 51.0 ft above sea level. Measuring point: Top of casing, 0.46 ft below land-surface datum.
REMARKS.--Replaced well N1129.1 in October 1966 near same location, which has a period of record from August 1937 to October 1966.
PERIOD OF RECORD.--October 1966 to current year. Unpublished records from October 1966 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.42 ft above sea level, April 21, 1998; lowest measured, 21.49 ft above sea level, October 29, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

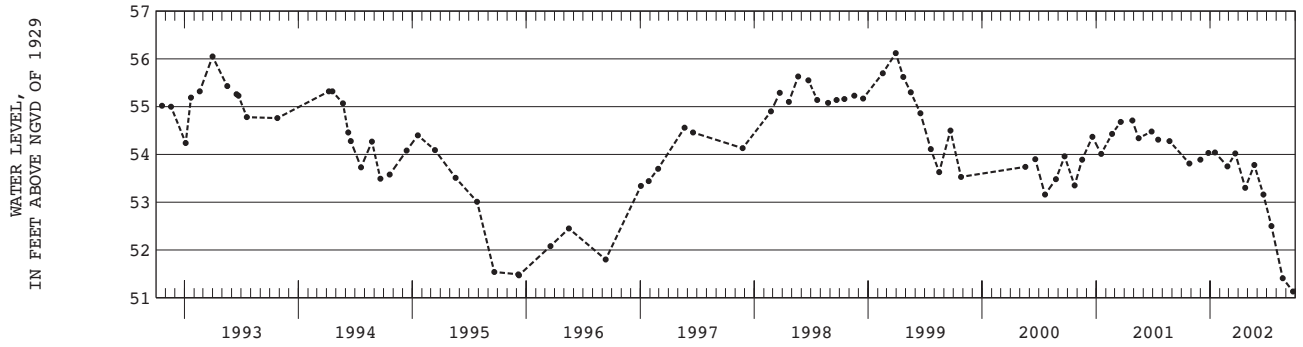
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	24.99	DEC 26	24.11	FEB 25	23.09	APR 23	22.84	JUN 20	23.20	AUG 11	21.86
NOV 30	24.18	JAN 16	23.77	MAR 21	23.01	MAY 24	23.26	JUL 16	22.54	SEP 23	22.97



405027073272602. Local number, N1243.5
LOCATION.--Lat 40°50'26", long 73°27'20", Hydrologic Unit 02030201, at south side of Stillwell Road, 98 ft west of Harbor Road, Cold Spring Harbor. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 28 ft, screened 25 to 28 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 64.0 ft above sea level. Measuring point: Top of casing, 0.92 ft below land-surface datum.
REMARKS.--Replaced well N1243.4 in September 1975 near same location, which has a period of record from November 1939 to September 1975.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.70 ft above sea level, March 21, 1978; lowest measured, 51.13 ft above sea level, September 23, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	53.81	DEC 26	54.03	FEB 25	53.75	APR 23	53.30	JUN 20	53.16	AUG 21	51.41
NOV 30	53.89	JAN 16	54.04	MAR 22	54.02	MAY 22	53.78	JUL 16	52.50	SEP 23	51.13

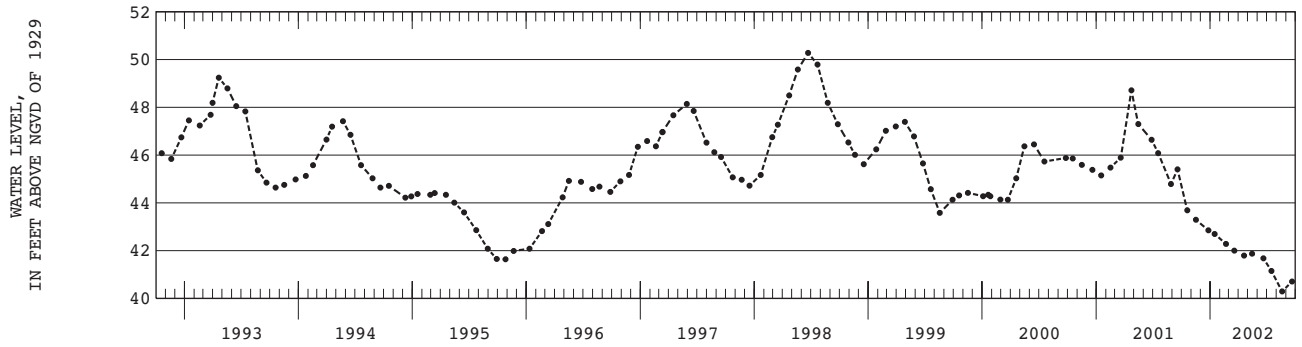


NASSAU COUNTY--Continued

404317073291105. Local number, N1259.5
LOCATION.--Lat 40°43'16", long 73°29'10", Hydrologic Unit 02030202, at south side of Mary Lane, 79 ft east of Hicksville Road (State Route 107), Plainedge. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 41 ft, screened 38 to 41 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 78.0 ft above sea level. Measuring point: Top of casing, 0.08 ft above land-surface datum.
REMARKS.--Replaced well N1259.4 in June 1961 near same location.
PERIOD OF RECORD.--June 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft above sea level, February 21, 1978; lowest measured, 40.29 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

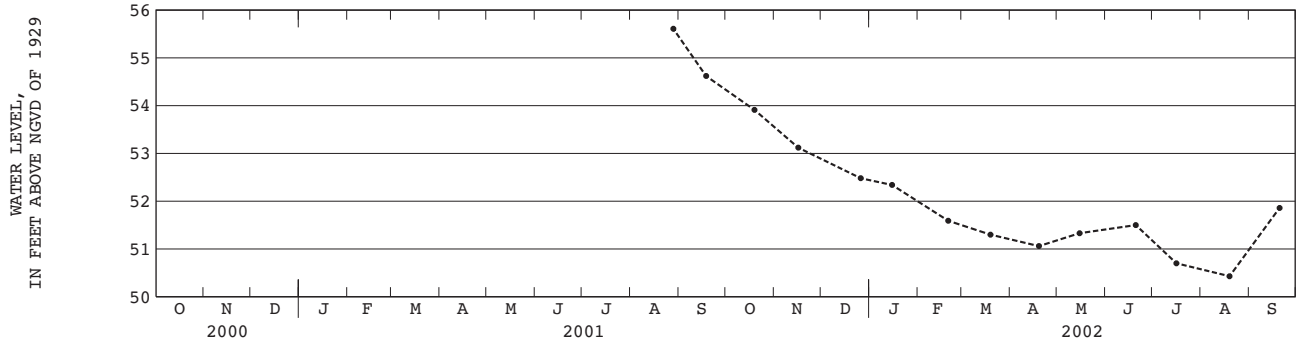
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	43.69	DEC 26	42.85	FEB 20	42.28	APR 19	41.79	JUN 20	41.68	AUG 19	40.29
NOV 16	43.29	JAN 15	42.70	MAR 19	42.00	MAY 15	41.87	JUL 16	41.15	SEP 20	40.71



404454073393001. Local number, N1614.5
LOCATION.--Lat 40°44'54", long 73°39'30", Hydrologic Unit 02030202, at northwest corner of Wilson Street and Herricks Road, North Hempstead. Owner: United States Geological Survey.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 75 ft, screened 65 to 70 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 102.0 ft above sea level. Measuring point: Top of casing, 0.22 ft below land-surface datum.
REMARKS.--Replaced well N 1614.4 in July 2001 near same location.
PERIOD OF RECORD.--July 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.61 ft above sea level, August 28, 2001; lowest measured, 50.43 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	53.91	DEC 26	52.48	FEB 20	51.59	APR 19	51.06	JUN 20	51.50	AUG 19	50.43
NOV 16	53.12	JAN 15	52.34	MAR 19	51.30	MAY 15	51.33	JUL 16	50.70	SEP 20	51.86

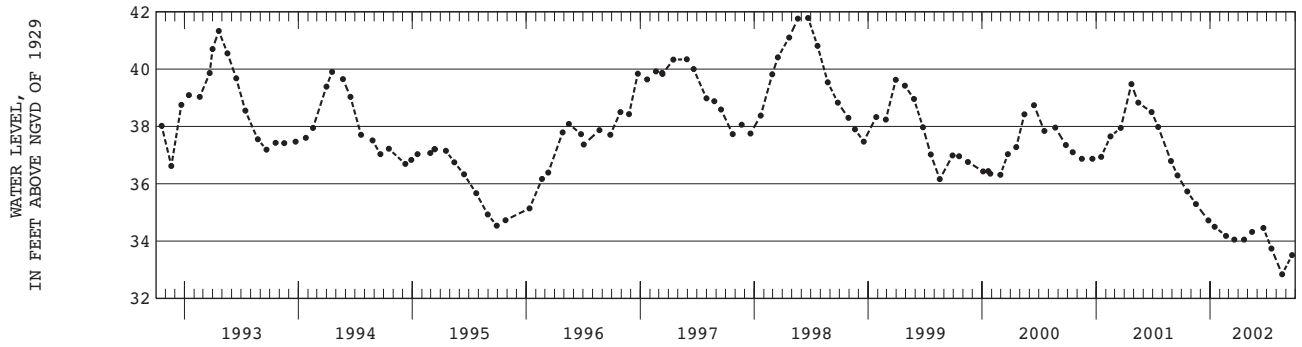


NASSAU COUNTY--Continued

404210073340801. Local number, N1615.4
LOCATION.--Lat 40°42'10", long 73°34'08", Hydrologic Unit 02030202, at south side of Van Buren Avenue, 34 ft west of Merrick Avenue, Freeport. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 33 ft, screened 30 to 33 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 61.0 ft above sea level. Measuring point: Top of coupling, 0.27 ft below land-surface datum.
REMARKS.--Replaced well N1615.3 in October 1989 near same location.
PERIOD OF RECORD.--October 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft above sea level, June 11, 1990; lowest measured, 32.84 ft above sea level, August 19, 2002

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

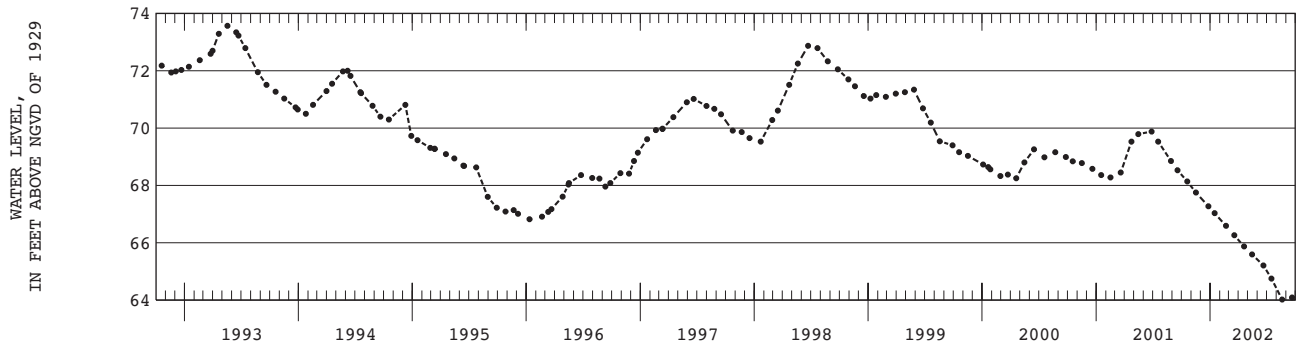
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	35.73	DEC 26	34.72	FEB 20	34.18	APR 19	34.05	JUN 20	34.46	AUG 19	32.84
NOV 16	35.29	JAN 15	34.50	MAR 19	34.05	MAY 15	34.32	JUL 16	33.74	SEP 20	33.51



404554073351502. Local number, N1616.2
LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at south side of Argyle Road, 40 ft west of Post Avenue, southern intersection, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 $^{1}/_{4}$ in., depth 68 ft, screened 65 to 68 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 122.5 ft above sea level. Measuring point: Top of casing, 0.42 ft below land-surface datum.
REMARKS.--Replaced well N1616.1 in October 1965 near same location, which has a period of record from March 1913 to October 1965. Well N1616.1 was screened in the upper glacial aquifer.
PERIOD OF RECORD.--October 1965 to current year. Unpublished record from October 1965 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.14 ft above sea level, June 20, 1980; lowest measured, 64.02 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	68.14	DEC 26	67.27	FEB 20	66.59	APR 19	65.87	JUN 20	65.21	AUG 19	64.02
NOV 16	67.75	JAN 15	67.03	MAR 19	66.26	MAY 15	65.59	JUL 16	64.75	SEP 20	64.09

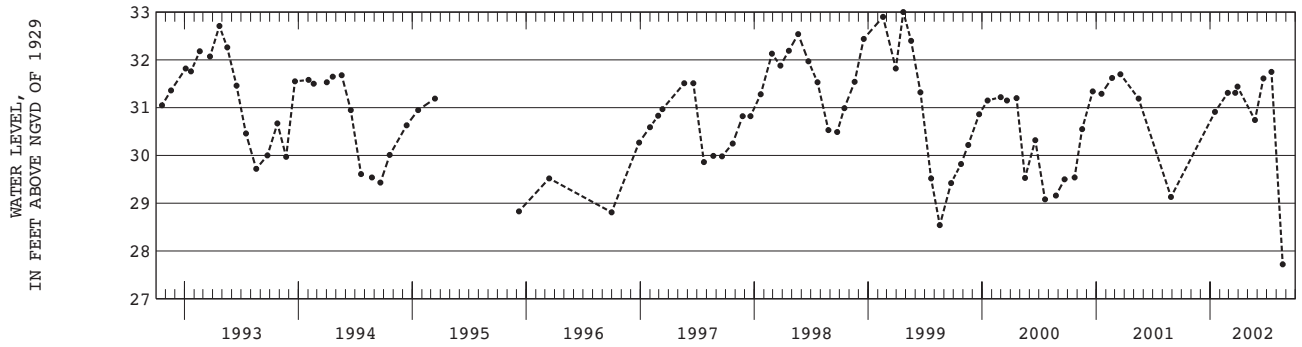


NASSAU COUNTY--Continued

404619073270601. Local number, N3355.2
LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at former site of Nassau County Sanitarium, 336 ft west of Round Swamp Road, south of Locust Road, in wooden recorder shelter, Plainview. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in. to 8 in., depth 1,093 ft, screened 1,070 to 1,090 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 183.0 ft above sea level. Measuring point: Top of casing, 0.28 ft below land-surface datum.
PERIOD OF RECORD.--January 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft above sea level, April 10, 1957; lowest measured, 23.18 ft above sea level, April 11, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

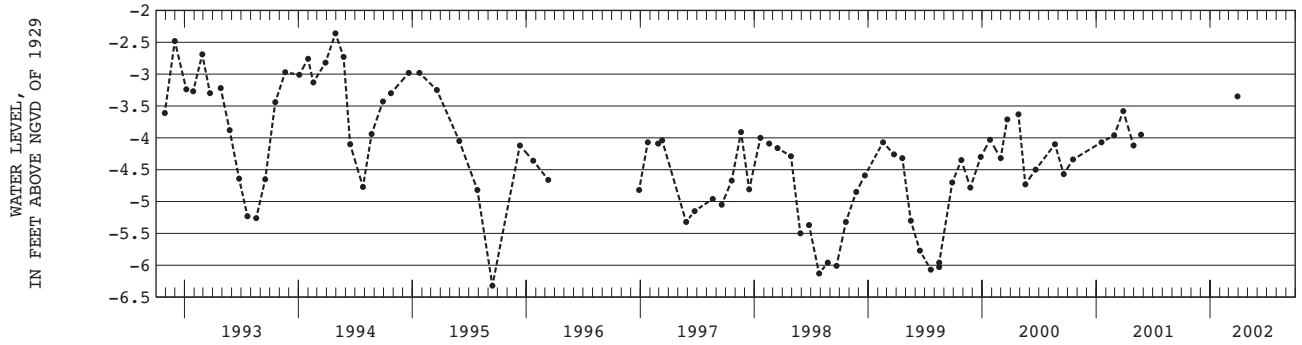
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 16	30.91	MAR 22	31.31	MAY 24	30.74	JUL 16	31.75				
FEB 26	31.31	29	31.44	JUN 20	31.61	AUG 21	27.72				



403751073440201. Local number, N3861.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, 28 ft east of Arlington Place, north of Peninsula Boulevard, Cedarhurst. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 530 ft, screened 519 to 530 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.0 ft above sea level. Measuring point: Top of casing, 2.37 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--April 1952 to current year. Unpublished records from April 1952 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.09 ft below sea level, March 20, 1991; lowest measured, 7.57 ft below sea level, August 7, 1955.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

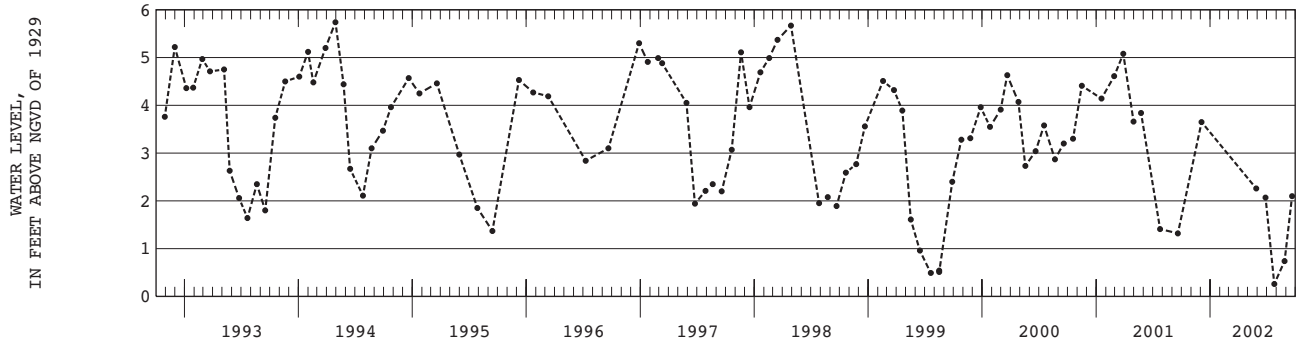
DATE	WATER LEVEL
MAR 29	-3.35



403911073432701. Local number, N3867.2
LOCATION.--Lat 40°39'12", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, 35 ft south of Brook Road, 41 ft east of stream, easternmost well, Green Acres. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 517 ft, screened 505 to 517 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.7 ft above sea level. Measuring point: Top of casing, 1.54 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--January 1953 to current year. Unpublished records from January 1953 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft above sea level, January 28, 1953; lowest measured, 2.61 ft below sea level, July 19, 1977.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

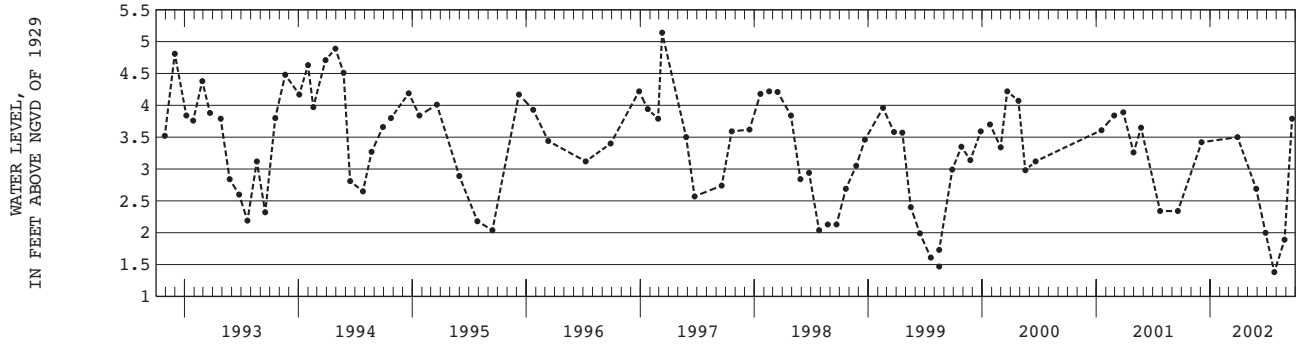
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 04	3.65	MAY 28	2.26	JUN 27	2.07	JUL 25	.26	AUG 27	.74	SEP 20	2.10



403751073440202. Local number, N3932.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Cedarhurst Water Pollution Control Plant, 37 ft east of Arlington Place, north of Peninsula Boulevard, Cedarhurst. Owner: Nassau County Department of Public Works.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 178 ft, screened 172 to 176 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.0 ft above sea level. Measuring point: Top of steel extender, 3.24 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--June 1952 to current year. Unpublished records from June 1952 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft above sea level, November 10, 1975; lowest measured, 0.30 ft above sea level, September 20, 1977.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 04	3.42	MAY 28	2.69	JUL 25	1.38	SEP 20	3.79				
MAR 29	3.50	JUN 27	2.00	AUG 27	1.89						

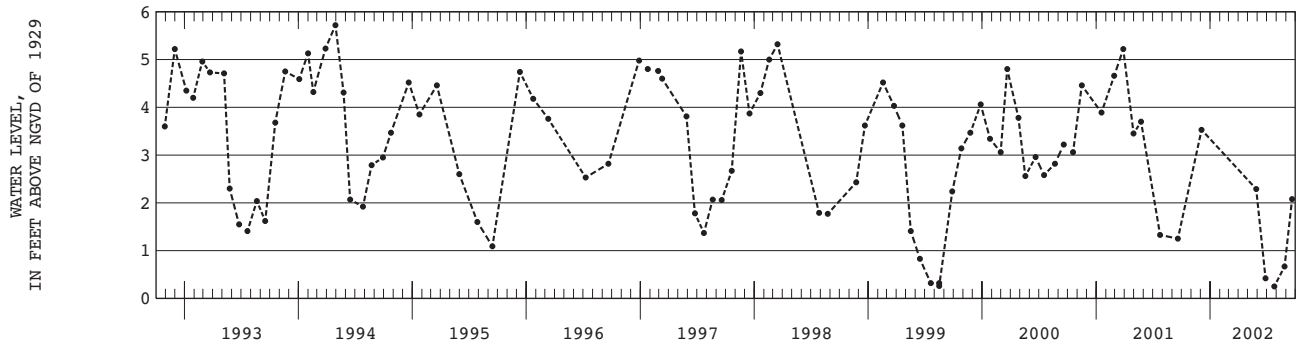


NASSAU COUNTY--Continued

403911073432001. Local number, N4213.1
LOCATION.--Lat 40°39'12", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, 34 ft south of Brook Road, 32 ft east of stream, westernmost well, Green Acres. Owner: Nassau County Department of Public Works.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 134 ft, screened 130 to 134 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 5.0 ft above sea level. Measuring point: Top of casing, 3.42 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft above sea level, June 30, 1975; lowest measured, 2.40 ft below sea level, March 22, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

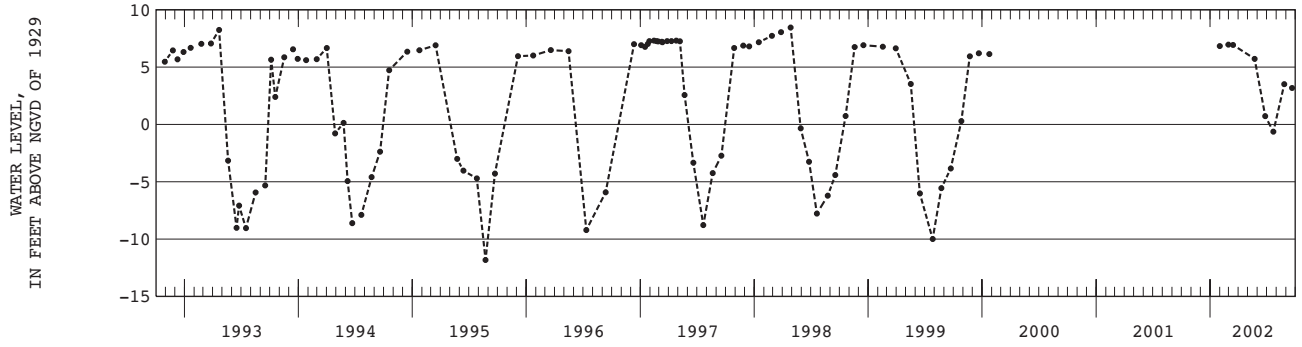
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 04	3.53	MAY 28	2.29	JUN 27	.42	JUL 25	.25	AUG 27	.67	SEP 20	2.08



405125073420702. Local number, N6282.2
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, 300 ft north of Middle Neck Road, westernmost well, Sands Point. Owner: United States Geological Survey.
AQUIFER.--Port Washington (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 396 ft, screened 378 to 388 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 100.9 ft above sea level. Measuring point: Top of 6-in 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 the files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.49 ft above sea level, May 31 and June 1, 1983; lowest measured, 28.36 ft below sea level, February 17, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	6.84	MAR 15	6.93	JUN 26	.72	AUG 26	3.51				
FEB 28	6.96	MAY 23	5.72	JUL 22	-.63	SEP 20	3.18				

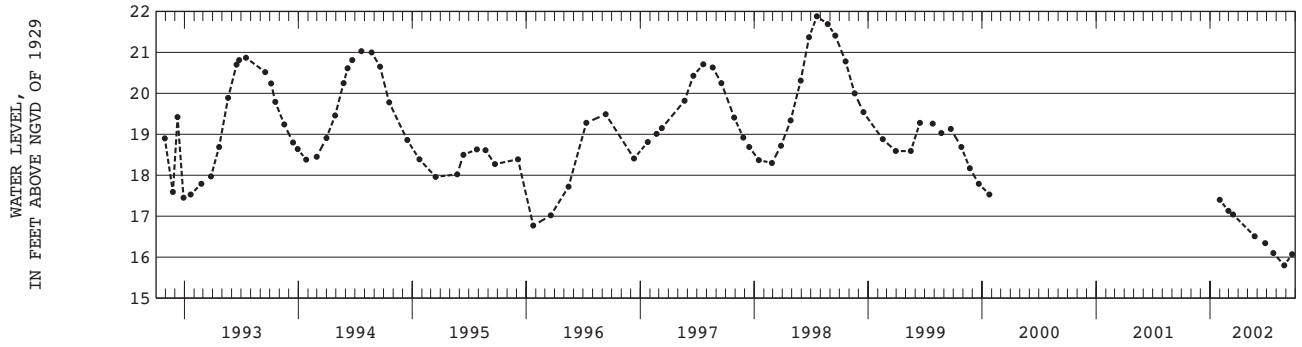


NASSAU COUNTY--Continued

405125073420705. Local number, N6342.1
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, 300 ft north of Middle Neck Road, easternmost well, Sands Point. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 $^{1}/_{4}$ in., depth 185 ft, screened 183 to 185 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 97.0 ft above sea level. Measuring point: Top of 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 the files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft above sea level, September 14, 1984; lowest measured, 14.06 ft above sea level, February 28, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

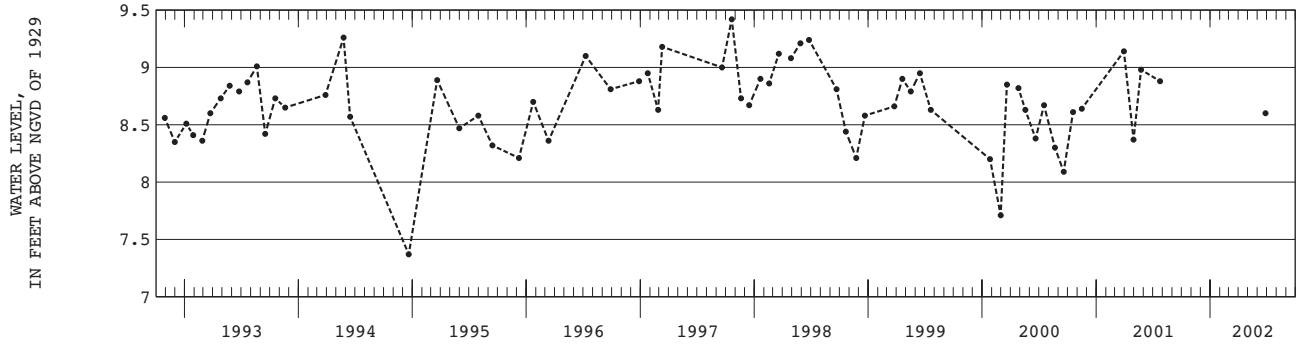
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	17.40	MAR 15	17.04	JUN 26	16.34	AUG 26	15.80				
FEB 28	17.13	MAY 23	16.51	JUL 22	16.10	SEP 20	16.07				



403517073430610. Local number, N6701.2
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 mi west of end of Park Street, 300 ft north of Beech Street, in easternmost recorder shelter, Atlantic Beach. Owner: United States Geological Survey.
AQUIFER.--Raritan (Confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 837 ft, screened 822 to 832 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of coupling, 1.06 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--August 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.42 ft above sea level, September 20, 1997; lowest measured, 2.57 ft below sea level, October 30, 1968.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL
JUN 27	8.60

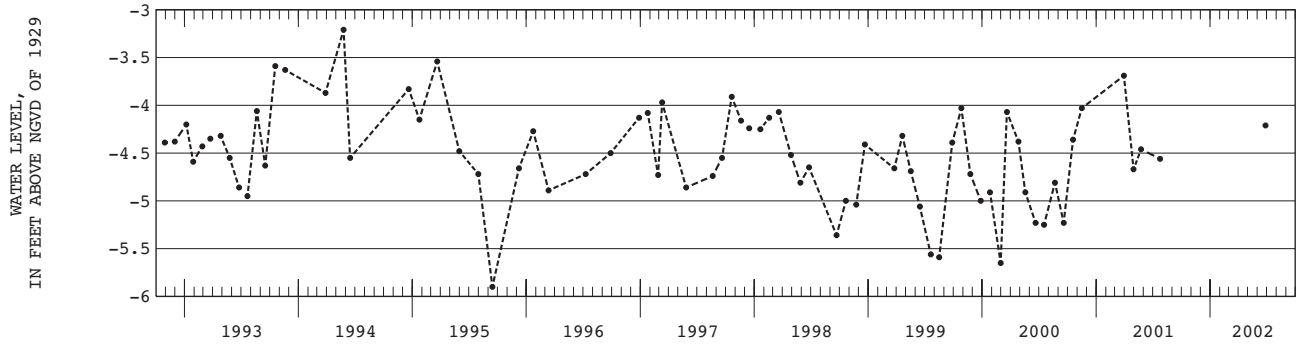


NASSAU COUNTY--Continued

403517073430702. Local number, N6702.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 mi west of end of Park Street, 300 ft north of Beech Street, in easternmost recorder shelter, Atlantic Beach. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 677 ft, screened 666 to 677 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of coupling, 1.04 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--September 1959 to current year. Unpublished records from September 1959 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft below sea level, April 13, 1961; lowest measured, 6.58 ft below sea level, November 30, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

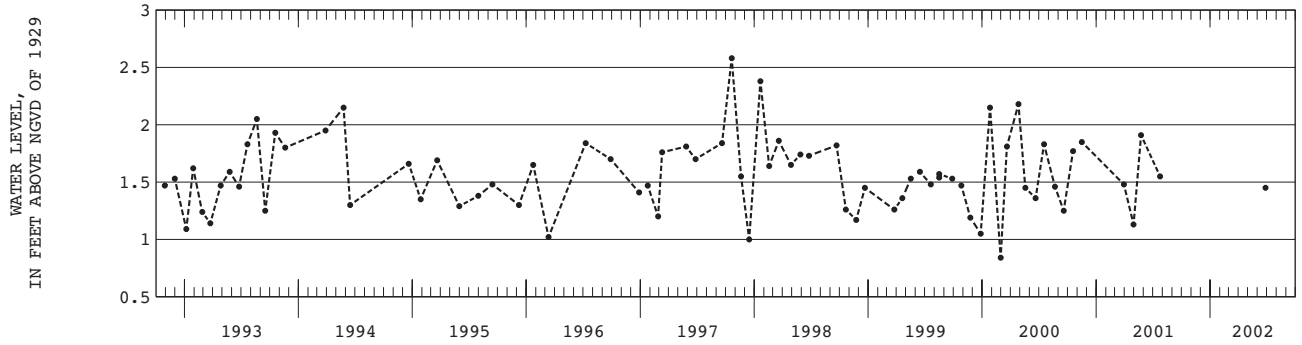
DATE	WATER LEVEL
JUN 27	-4.21



403517073430705. Local number, N6705.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at pumping center, 0.1 mi west of end of Park Street, 300 ft north of Beech Street, in westernmost recorder shelter, Atlantic Beach. Owner: United States Geological Survey.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 157 ft, screened 147 to 157 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of coupling, 2.45 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--February 1968 to current year. Unpublished records from February 1968 to September 1968 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.12 ft above sea level, March 3, 1969; lowest measured, 2.77 ft below sea level, April 5, 1973.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

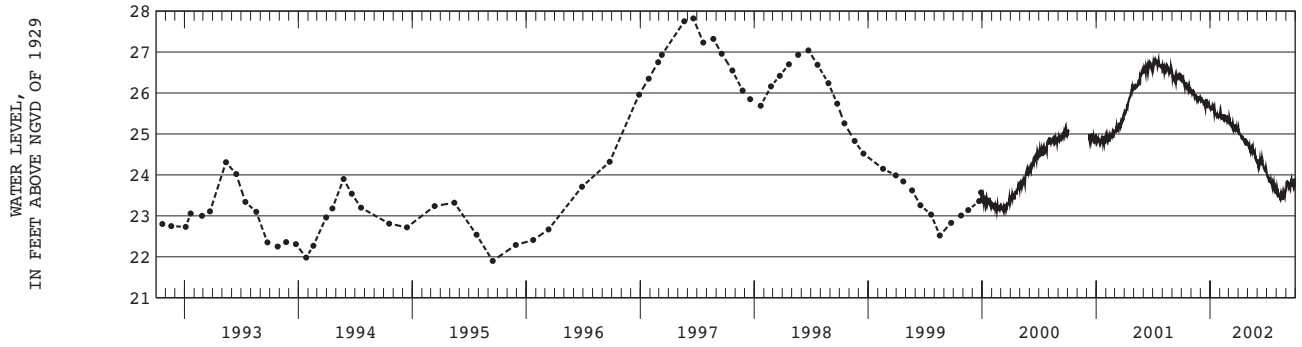
DATE	WATER LEVEL
JUN 27	1.45



404237073433701. Local number, N7493.1
LOCATION.--Lat 40°42'36", long 73°43'35", Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 353 ft, screened 349 to 353 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 75.0 ft above sea level. Measuring point: Top of casing, 1.02 ft above land-surface datum.
PERIOD OF RECORD.--April 1964 to current year. Unpublished records from April 1964 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.82 ft above sea level, June 19, 1997; lowest measured, 3.52 ft above sea level, August 8, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

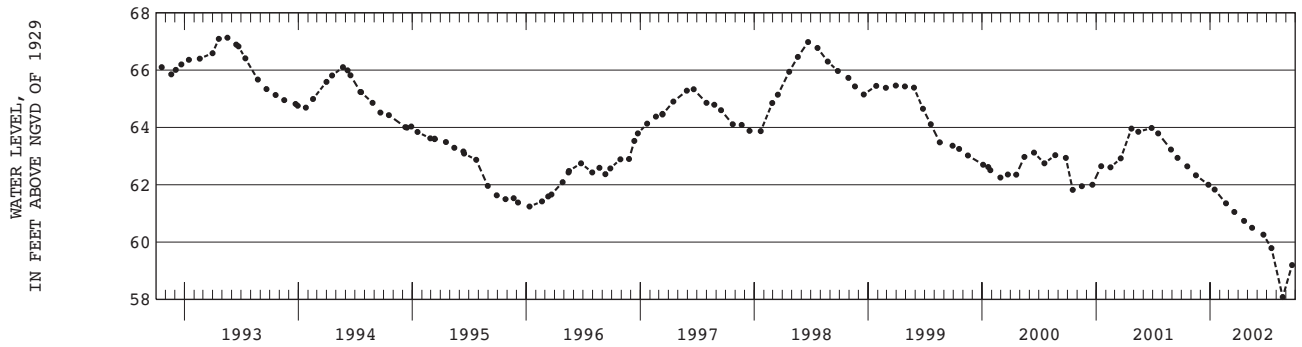
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.38	26.00	25.81	25.62	25.42	25.28	25.01	24.65	24.24	23.94	23.55	23.82
10	26.20	26.03	25.74	25.66	25.40	25.25	24.93	24.65	24.30	23.94	23.46	23.79
15	26.23	25.95	25.70	25.57	25.42	25.22	24.93	24.63	24.41	23.81	23.40	23.79
20	26.17	25.90	25.75	25.46	---	25.21	24.80	24.55	24.23	23.83	23.43	23.74
25	26.10	25.90	25.68	25.44	25.32	25.08	24.80	24.41	24.10	23.68	23.58	23.70
EOM	26.01	25.90	25.63	25.44	25.35	25.08	24.75	24.36	24.08	23.57	23.61	23.79
MEAN	26.20	25.93	25.74	25.53	---	25.19	24.90	24.57	24.25	23.81	23.51	23.78
MAX	26.42	26.08	25.88	25.68	---	25.40	25.13	24.77	24.41	24.03	23.67	23.90
MIN	26.01	25.80	25.63	25.42	---	25.08	24.72	24.34	24.08	23.57	23.40	23.64



404535073370002. Local number, N8269.2
LOCATION.--Lat 40°45'35", long 73°37'00", Hydrologic Unit 02030202, at east side of Bacon Road, 106 ft north of Hillside Avenue, south of school entrance, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 86 ft, screened 81 to 86 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 111.7 ft above sea level. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
REMARKS.--Prior to April 1967, well at site (N 1258.1) was screened in the upper glacial aquifer. Well N1258.1 was replaced by well N8269.1 in April 1967, which was replaced by well N8269.2 in June 1976 near same location.
PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.18 ft above sea level, May 21, 1980; lowest measured, 58.08 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	62.64	DEC 26	62.00	FEB 20	61.35	APR 19	60.74	JUN 20	60.26	AUG 21	58.08
NOV 16	62.33	JAN 15	61.83	MAR 19	61.05	MAY 15	60.50	JUL 16	59.79	SEP 20	59.20

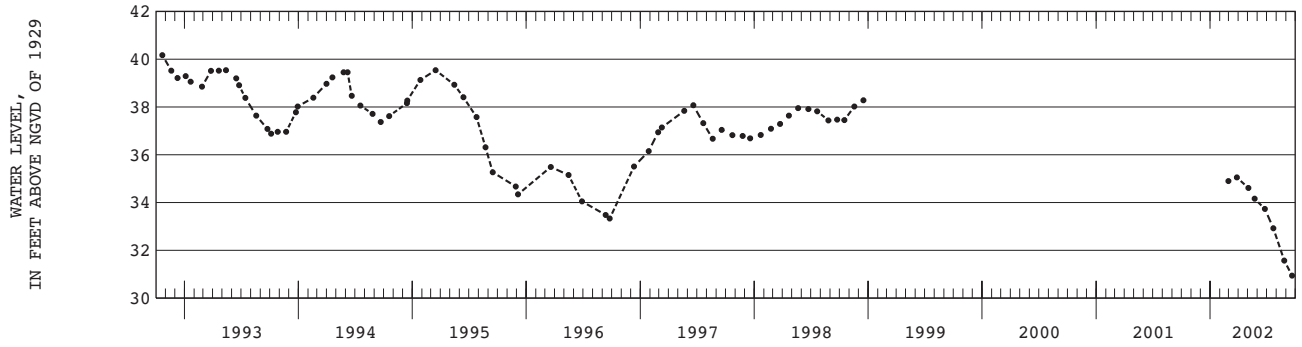


NASSAU COUNTY--Continued

404742073410301. Local number, N8309.1
LOCATION.--Lat 40°47'42", long 73°41'03", Hydrologic Unit 02030201, at east side of Manhasset Woods Road, 73 ft north of Northern Boulevard, Munsey Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 199 ft, screened 194 to 199 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 143.2 ft above sea level. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
REMARKS.--Replaced well N1121.2 in March 1967 near same location.
PERIOD OF RECORD.--March 1967 to current year. Unpublished records from March 1940 to March 1967 are available in the files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.81 ft above sea level, June 20, 1980; lowest measured, 30.94 ft above sea level, September 20, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

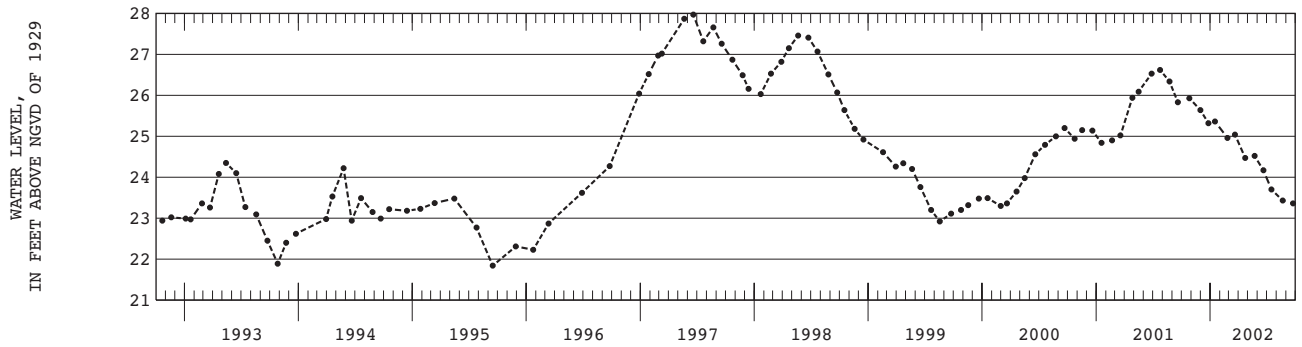
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28	34.90	MAY 03	34.61	JUN 25	33.73	AUG 26	31.57
MAR 27	35.05	23	34.16	JUL 22	32.92	SEP 20	30.94



404232073432501. Local number, N9979.1
LOCATION.--Lat 40°42'32", long 73°43'25", Hydrologic Unit 02030202, at west side of Wellington Road, 279 ft south of Hempstead Turnpike, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 95 ft, screened 87 to 92 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 71.0 ft above sea level. Measuring point: Top of coupling, 0.36 ft below land-surface datum.
REMARKS.--Replaced well N1622.4 in June 1982 near same location.
PERIOD OF RECORD.--December 1982 to current year. Unpublished records from December 1982 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.97 ft above sea level, June 19, 1997; lowest measured, 5.39 ft above sea level, April 8, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

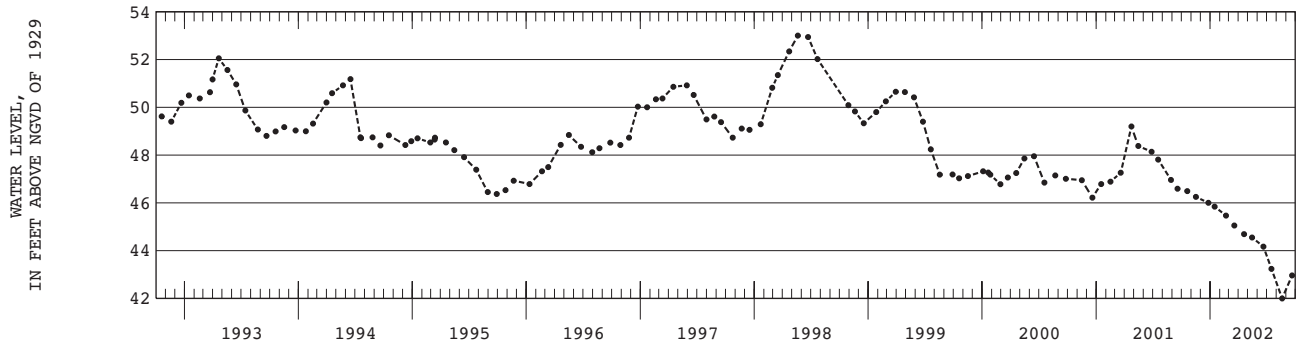
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	25.93	DEC 26	25.32	FEB 25	24.96	APR 23	24.47	JUN 20	24.17	AUG 21	23.43
NOV 30	25.64	JAN 16	25.36	MAR 21	25.04	MAY 23	24.52	JUL 16	23.70	SEP 23	23.36



404338073371502. Local number, N10035.1
LOCATION.--Lat 40°43'38", long 73°37'15", Hydrologic Unit 02030202, at north side of Commercial Avenue, 60 ft east of Clinton Avenue, Garden City. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 56 ft, screened 48 to 53 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 77.6 ft above sea level. Measuring point: Top of coupling, 0.38 ft below land-surface datum.
REMARKS.--Replaced well N1255.2 in October 1982 near same location.
PERIOD OF RECORD.--October 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.04 ft above sea level, August 8, 1984; lowest measured, 42.00 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

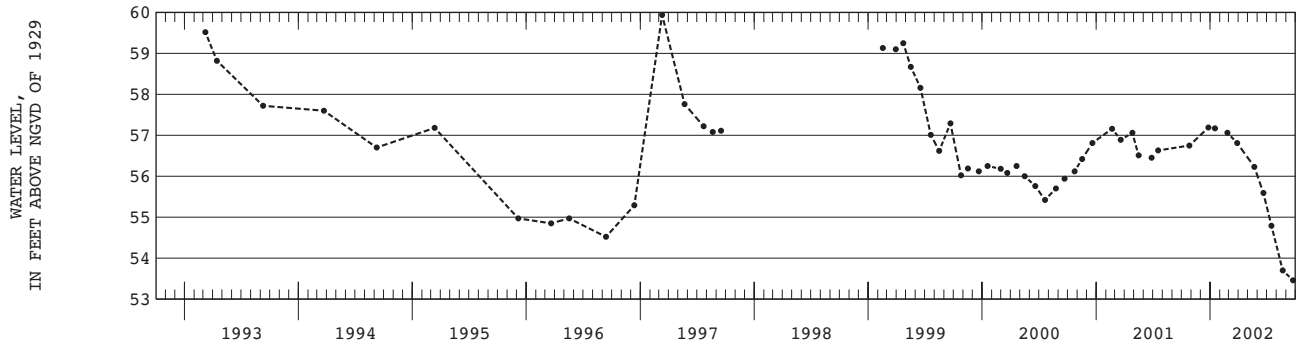
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	46.49	DEC 26	46.00	FEB 20	45.47	APR 19	44.69	JUN 20	44.17	AUG 19	42.00
NOV 16	46.25	JAN 15	45.84	MAR 19	45.05	MAY 15	44.55	JUL 16	43.24	SEP 20	42.96



405009073293501. Local number, N11394.1
LOCATION.--Lat 40°50'09", long 73°29'35", Hydrologic Unit 02030201, at south side of Foxhunt Crescent South Road, east of Fox Court, in recharge basin #531, Oyster Bay Cove. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 685 ft, screened 660 to 680 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 212.0 ft above sea level. Measuring point: Top of coupling, 0.48 ft below land-surface datum.
PERIOD OF RECORD.--August 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.12 ft above sea level, March 11, 1991; lowest measured, 53.46 ft above sea level, September 23, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

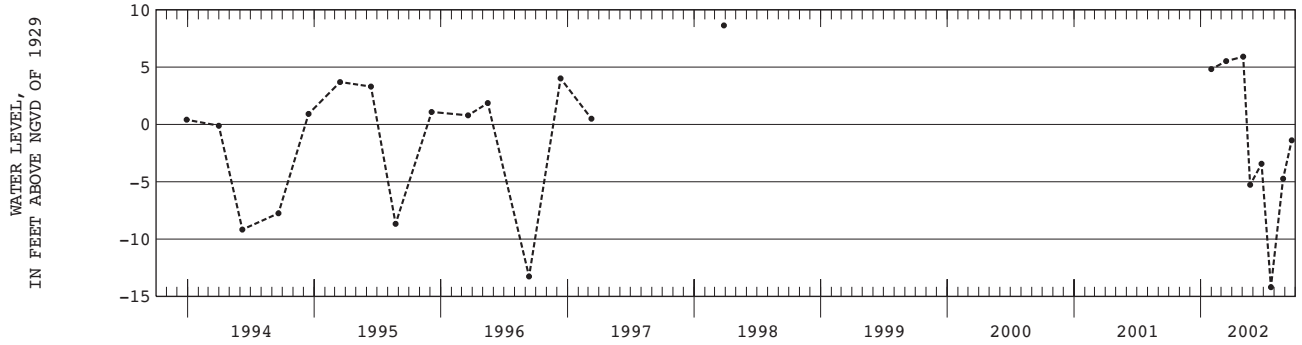
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	56.75	JAN 16	57.17	MAR 28	56.81	JUN 20	55.59	AUG 21	53.70		
DEC 26	57.19	FEB 25	57.06	MAY 22	56.23	JUL 16	54.79	SEP 23	53.46		



404853073421101. Local number, N12134.1
LOCATION.--Lat 40°48'53", long 73°42'11", Hydrologic Unit 02030201, at northside of Rock Hollow Road, eastside of Plandome Road, outside of entrance to Leeds Pond Preserve, Plandome Manor. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 380 ft, screened 345 to 365 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of casing, 0.69 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--December 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.64 ft above sea level, March 27, 1998; lowest measured, 14.20 ft below sea level, July 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

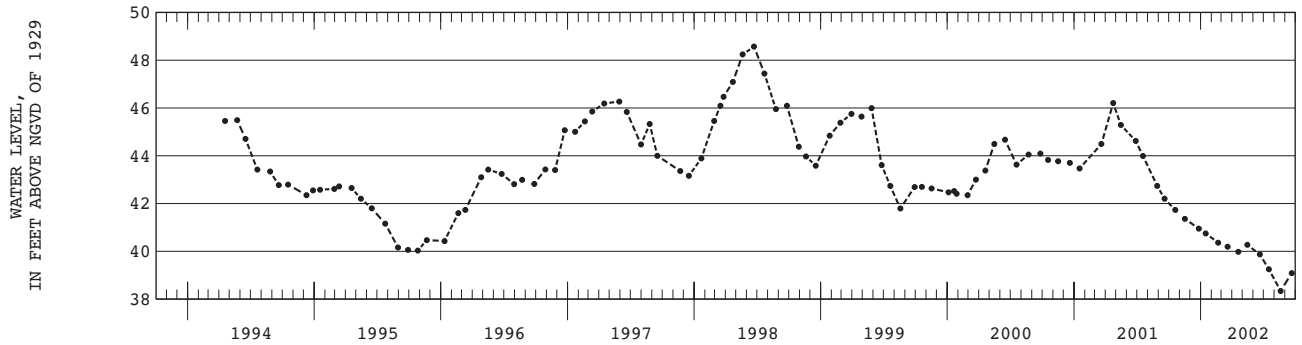
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	4.82	MAY 03	5.91	JUN 25	-3.43	AUG 26	-4.74				
MAR 15	5.52	23	-5.27	JUL 22	-14.20	SEP 20	-1.38				



404303073295501. Local number, N12250.1
LOCATION.--Lat 40°43'03", long 73°29'55", Hydrologic Unit 02030202, at east side of Emerald Lane, 87 ft south of Miller Place, Levittown. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 49 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 71.0 ft above sea level. Measuring point: Top of coupling, 0.66 ft below land-surface datum.
PERIOD OF RECORD.--April 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.57 ft above sea level, June 22, 1998; lowest measured, 38.34 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

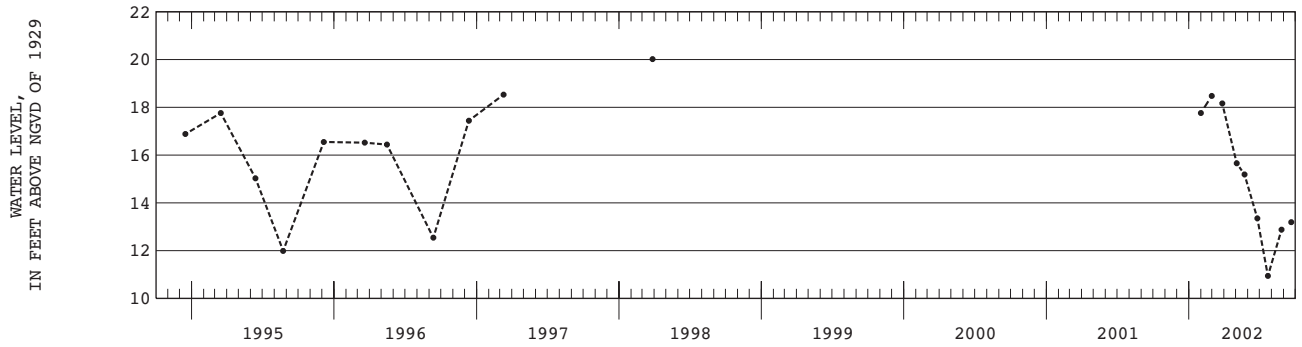
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	41.73	DEC 26	40.95	FEB 20	40.36	APR 19	39.98	JUN 20	39.87	AUG 19	38.34
NOV 16	41.36	JAN 15	40.75	MAR 19	40.19	MAY 15	40.27	JUL 16	39.25	SEP 20	39.09



404925073405401. Local number, N12321.1
LOCATION.--Lat 40°49'25", long 73°40'54", Hydrologic Unit 02030201, at southside of Revere Drive, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 577 ft, screened 557 to 577 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 154.0 ft above sea level. Measuring point: Top of casing, 0.46 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--March 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.02 ft above sea level, March 27, 1998; lowest measured, 10.94 ft below sea level, July 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

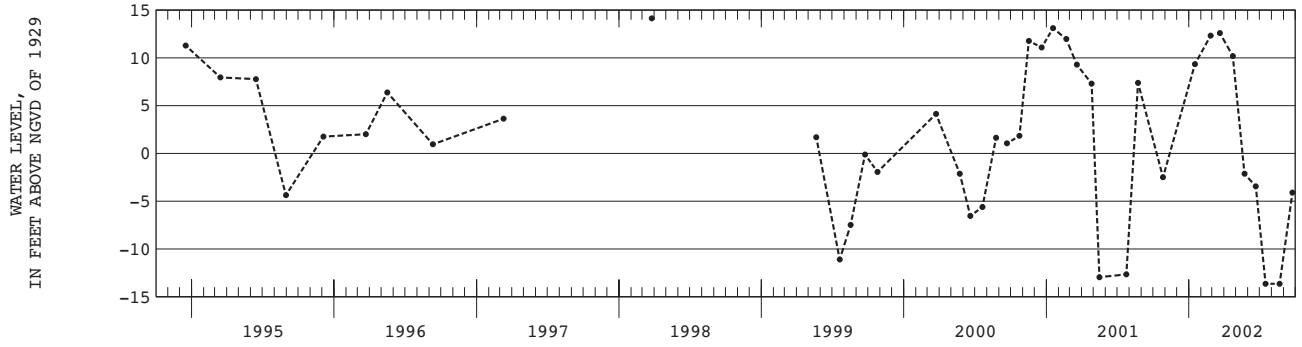
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	17.76	MAR 27	18.16	MAY 23	15.19	JUL 22	10.94	SEP 20	13.19		
FEB 28	18.48	MAY 03	15.66	JUN 25	13.35	AUG 26	12.88				



404607073430801. Local number, N12450.1
LOCATION.--Lat 40°46'07", long 73°43'08", Hydrologic Unit 02030201, at west side of Links Drive, south of Horace Harding Boulevard, Lake Success. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 685 ft, screened 660 to 680 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 220.0 ft above sea level. Measuring point: Top of coupling, 0.31 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--March 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.13 ft above sea level, March 25, 1998; lowest measured, 13.64 ft below sea level, July 16 and August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

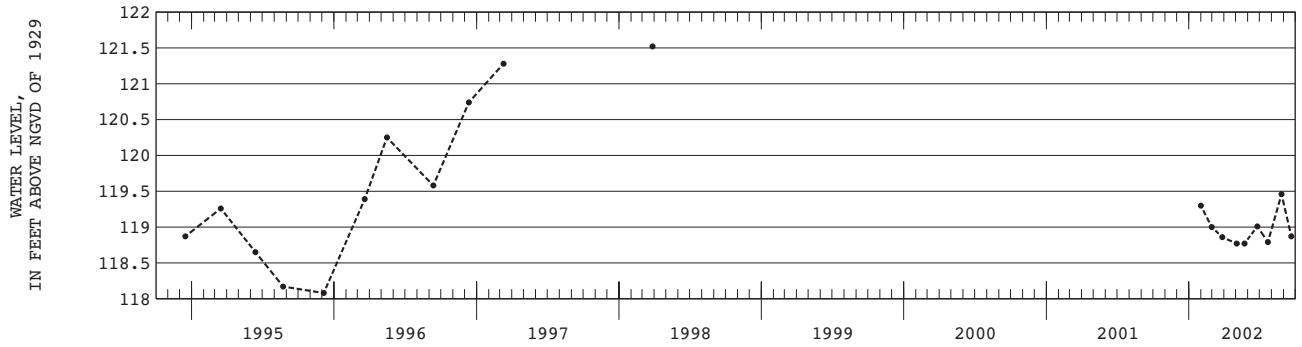
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	-2.50	FEB 25	12.32	APR 23	10.19	JUN 21	-3.45	AUG 21	-13.64		
JAN 16	9.35	MAR 21	12.59	MAY 23	-2.13	JUL 16	-13.64	SEP 23	-4.10		



404925073405402. Local number, N12451.1
LOCATION.--Lat 40°49'25", long 73°40'54", Hydrologic Unit 02030201, at southside of Revere Drive, Port Washington. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 120 ft, screened 95 to 115 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 154.0 ft above sea level. Measuring point: Top of casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--March 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 121.52 ft above sea level, March 27, 1998; lowest measured, 118.08 ft above sea level, December 5, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

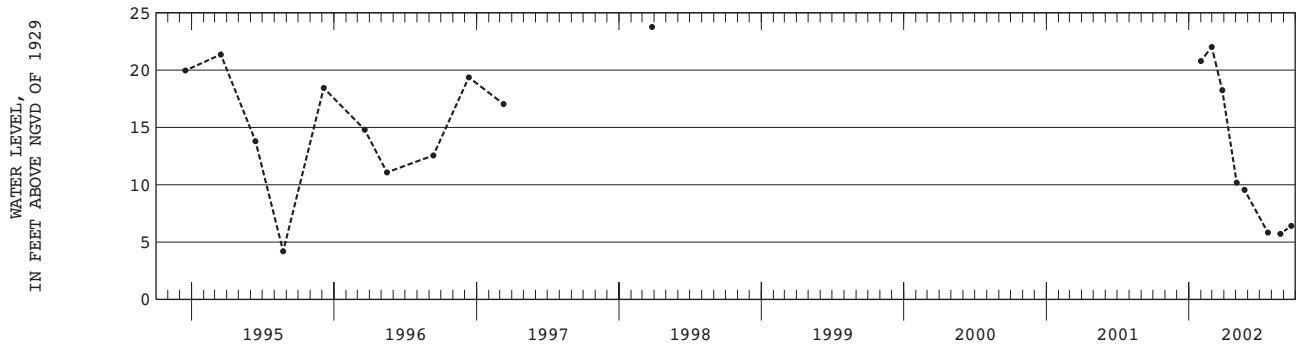
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	119.30	MAR 27	118.86	MAY 23	118.77	JUL 22	118.79	SEP 20	118.87		
FEB 28	119.00	MAY 03	118.77	JUN 25	119.01	AUG 26	119.46				



404834073403701. Local number, N12507.1
LOCATION.--Lat 40°48'34", long 73°40'37", Hydrologic Unit 02030201, at southwest side of Bonnie Heights Road, in Flower Hill Village Hall parking lot, Flower Hill. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 615 ft, screened 585 to 605 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 118.0 ft above sea level. Measuring point: Top of casing, 0.84 ft below land-surface datum.
PERIOD OF RECORD.--September 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.76 ft above sea level, March 26, 1998; lowest measured, 4.19 ft above sea level, August 23, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	20.79	MAR 27	18.25	MAY 23	9.55	AUG 23	5.72				
FEB 28	22.02	MAY 03	10.18	JUL 22	5.83	SEP 20	6.42				

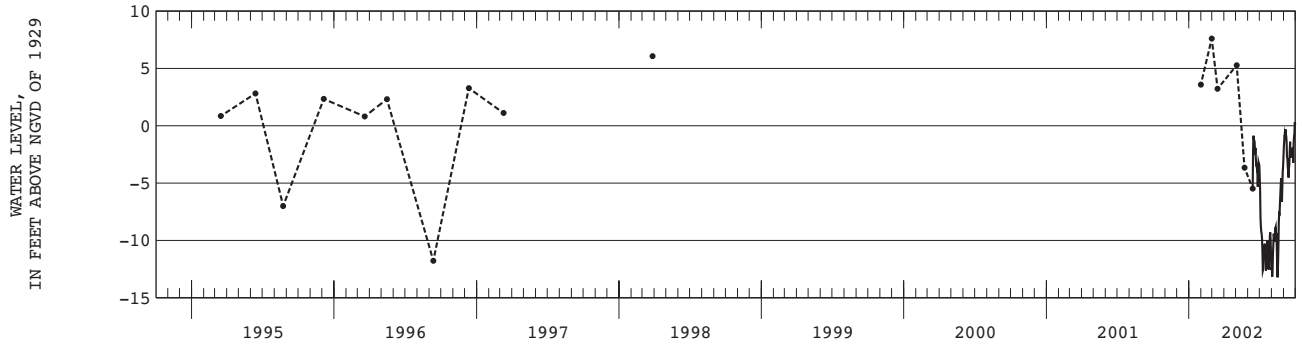


NASSAU COUNTY--Continued

404943073414701. Local number, N12508.1
LOCATION.--Lat 40°49'43", long 73°41'47", Hydrologic Unit 02030201, at north side of Charles Street near dead end, along west side of foot path to Madison Street, at Stannards Brook Park, Port Washington. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 400 ft, screened 375 to 400 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 61.0 ft above sea level. Measuring point: Top of casing, 0.99 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and nearby pumping.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.61 ft above sea level, February 28, 2002; lowest measured, 14.18 ft below sea level, July 10, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	-9.24	-10.29	-0.31
10	---	---	---	---	---	---	---	---	---	-12.48	-8.97	-2.87
15	---	---	---	---	---	---	---	---	-0.87	-11.01	-12.87	-3.39
20	---	---	---	---	---	---	---	---	-1.92	-10.28	-7.64	-2.44
25	---	---	---	---	---	---	---	---	-4.07	-11.61	-4.56	-3.23
EOM	---	---	---	---	---	---	---	---	-3.44	-12.55	-2.66	0.08
MEAN	---	---	---	---	---	---	---	---	---	-10.53	-8.66	-1.94
MAX	---	---	---	---	---	---	---	---	---	-4.43	-2.66	0.31
MIN	---	---	---	---	---	---	---	---	---	-12.63	-13.22	-4.51

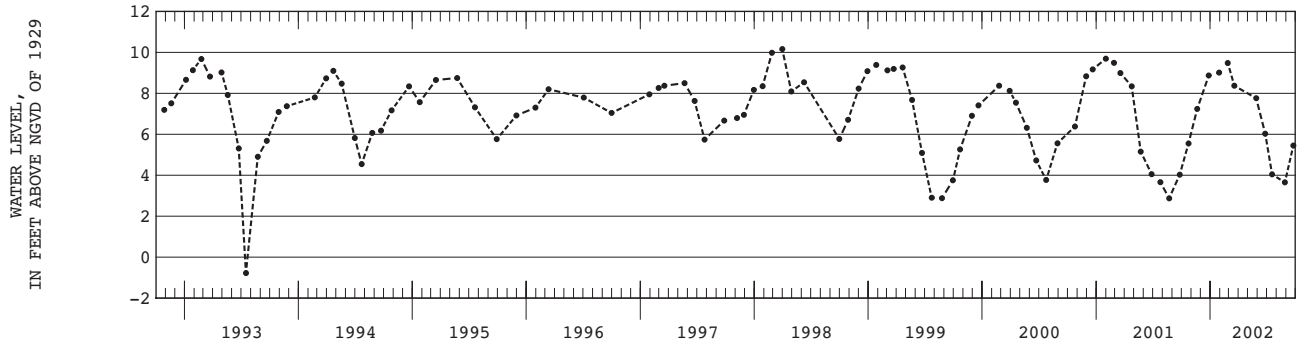


QUEENS COUNTY

404451073475003. Local number, Q283.2
LOCATION.--Lat 40°44'50", long 73°47'50", Hydrologic Unit 02030201, at City of New York storage facility, 50 ft south of Underhill Avenue, west of Fresh Meadow Lane, easternmost well, Flushing. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 26 in., depth 409 ft, screened 309 to 352 ft and 367 to 409 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.0 ft above sea level. Measuring point: Top of hole cut in welded steel plate, 0.37 ft above land-surface datum.
PERIOD OF RECORD--June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft above sea level, March 31, 1998; lowest measured, 27.40 ft below sea level, September 14, 1976.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

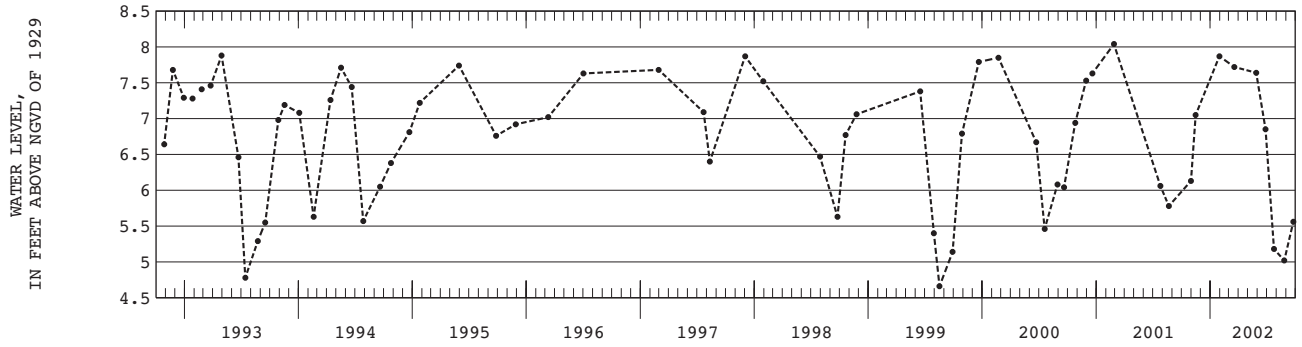
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.55	DEC 27	8.87	FEB 26	9.48	MAY 28	7.76	JUL 18	4.04	SEP 24	5.45
NOV 20	7.24	JAN 29	9.01	MAR 19	8.37	JUN 26	6.03	AUG 28	3.65		



403624073491601. Local number, Q287.1
LOCATION.--Lat 40°36'24", long 73°49'16", Hydrologic Unit 02030202, at Broad Channel School, west side of Shad Creek Road, 131 ft south of 9th Road, Broad Channel. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 8 in., depth 725 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 8.5 ft above sea level. Measuring point: Top of 8-in to 4-in steel reducer bushing, 0.52 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--January 1944 to current year. Unpublished records from January 1944 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.79 ft above sea level, January 1, 1945; lowest measured, 0.96 ft below sea level, September 5, 1969.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

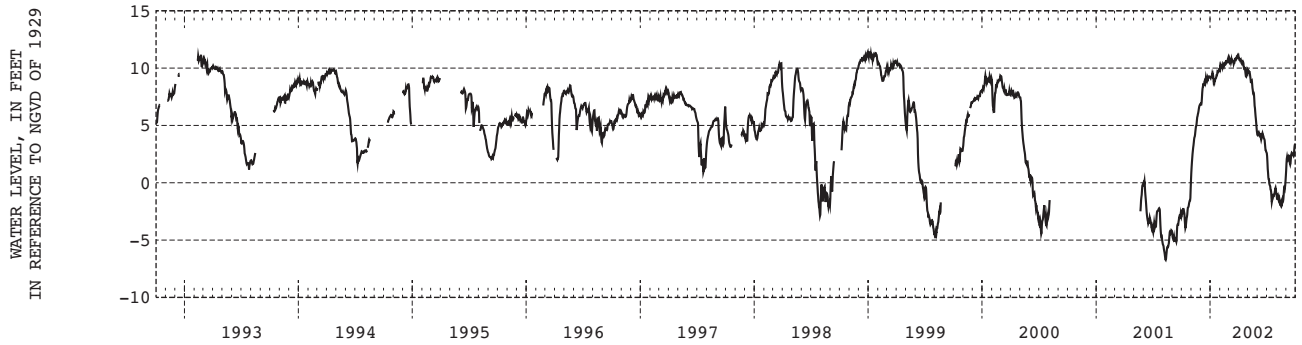
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	6.13	JAN 30	7.87	MAY 28	7.64	JUL 24	5.18	SEP 24	5.56		
NOV 15	7.05	MAR 19	7.72	JUN 27	6.85	AUG 26	5.02				



404418073434101. Local number, Q577.1
LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, in recorder shelter, Bellerose. Owner: State of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 12 in., depth 640 ft, screen assumed at bottom.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 113.5 ft above sea level. Measuring point: Top of casing, 0.22 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--February 1946 to current year. Unpublished records from February 1946 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.34 ft above sea level, January 14, 1992; lowest measured, 18.66 ft below sea level, July 30, 1954.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

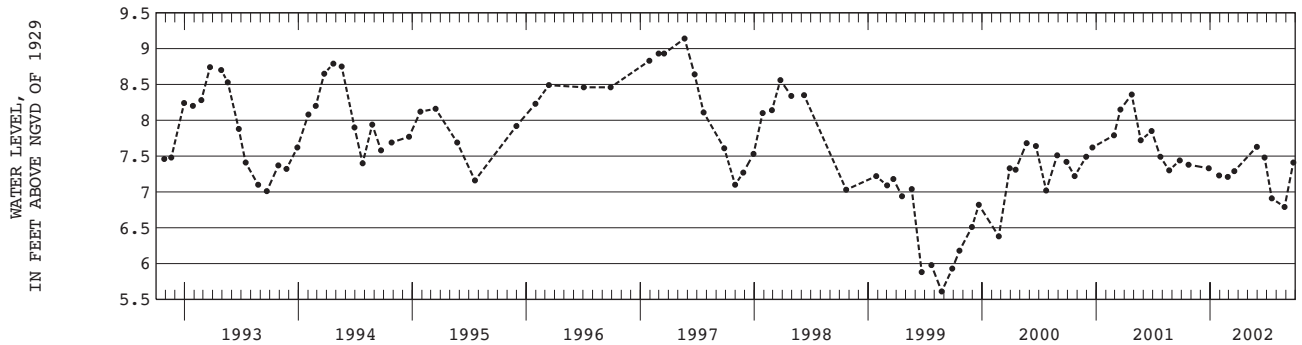
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-2.44	2.52	7.38	9.23	10.13	10.64	10.71	9.67	4.42	0.87	-1.18	2.10
10	-2.72	3.79	8.49	9.33	10.16	10.74	10.61	9.04	4.22	-0.18	-1.70	2.24
15	-3.63	4.71	8.81	8.95	10.27	10.58	10.59	8.62	4.03	-0.84	-1.98	1.73
20	-2.42	5.72	9.11	9.23	10.44	10.60	10.02	7.79	4.07	-1.37	-1.73	2.59
25	-1.78	6.42	9.09	9.70	10.58	10.77	9.28	6.15	3.42	-1.01	-0.63	2.33
EOM	0.22	6.88	9.19	9.85	10.71	11.03	9.77	4.32	2.65	-0.91	0.59	3.40
MEAN	-2.41	4.56	8.56	9.33	10.35	10.71	10.25	7.87	3.87	-0.32	-1.22	2.28
MAX	0.22	6.88	9.27	9.91	10.85	11.13	11.07	9.84	4.42	2.57	0.59	3.40
MIN	-3.95	0.86	6.82	8.75	9.95	10.36	9.25	4.32	2.65	-1.68	-2.04	1.06



403958073445801. Local number, Q1187.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at south side of North Conduit Avenue, 1,775 ft west of 225th Street, in ravine, westernmost well, 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of small hole in 8-in steel cap, 4.71 ft above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.14 ft above sea level, May 22, 1997; lowest measured, 2.26 ft above sea level, June 22, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.38	JAN 29	7.23	MAR 19	7.29	JUN 24	7.48	AUG 27	6.79		
DEC 27	7.33	FEB 26	7.21	MAY 30	7.63	JUL 17	6.91	SEP 24	7.41		

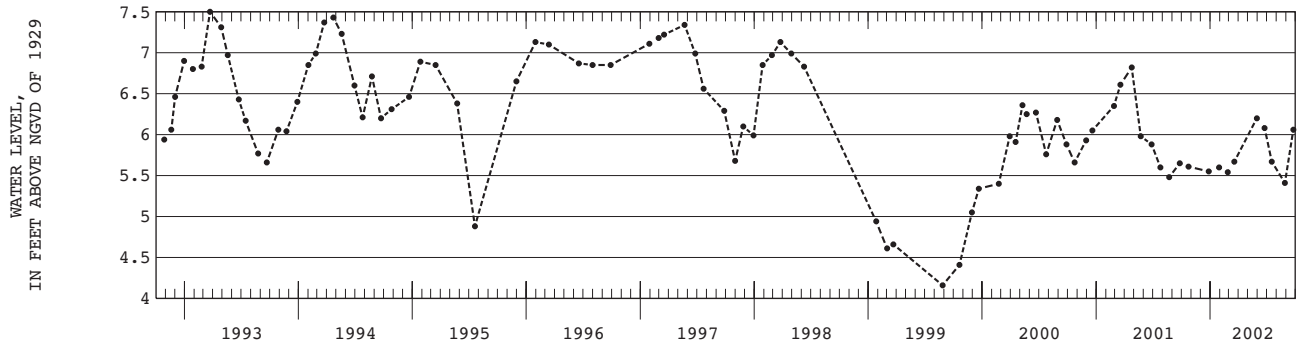


QUEENS COUNTY--Continued

403958073445802. Local number, Q1189.1
LOCATION.--Lat 40°39'58", long 73°44'58", Hydrologic Unit 02030202, at south side of North Conduit Avenue, 1,790 ft west of 225th Street, in ravine, easternmost well, 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 13.0 ft above sea level. Measuring point: Top of coupling, 14.76 ft above land-surface datum.
PERIOD OF RECORD.--November 1968 to current year. Unpublished records from November 1968 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft above sea level, June 21, 1989; lowest measured, 1.86 ft above sea level, December 15, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

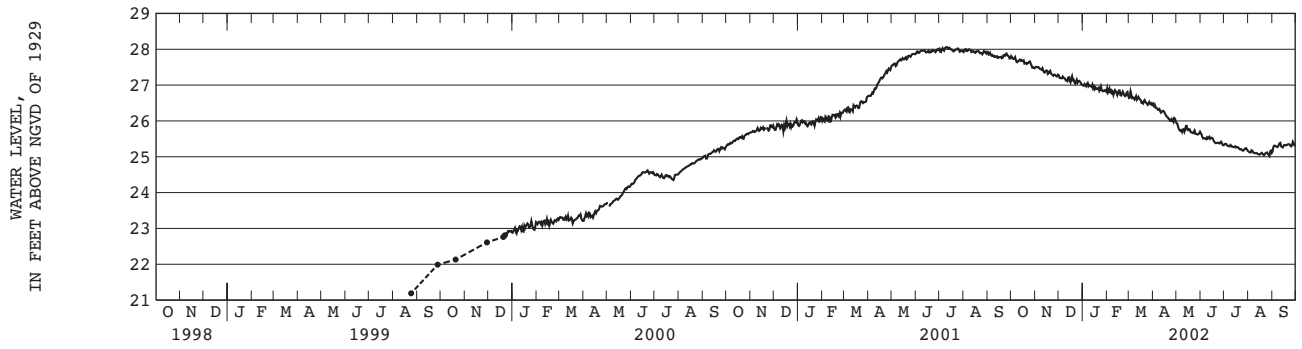
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.61	JAN 29	5.60	MAR 19	5.67	JUN 24	6.08	AUG 28	5.41		
DEC 27	5.55	FEB 26	5.54	MAY 30	6.20	JUL 17	5.67	SEP 24	6.06		



404241073443301. Local number, Q1249.2
LOCATION.--Lat 40°42'41", long 73°44'33", Hydrologic Unit 02030202, at east side of 216th Street, 85 ft north of 106th Avenue, Queens Village. Owner: City of New York.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 70 to 75 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 75.5 ft above sea level. Measuring point: Top of casing, 0.11 ft below land-surface datum.
REMARKS.--Replaced well Q1249.1 in August 1999 near same location.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.06 ft above sea level, July 10, 2001; lowest measured, 21.19 ft above sea level, August 24, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

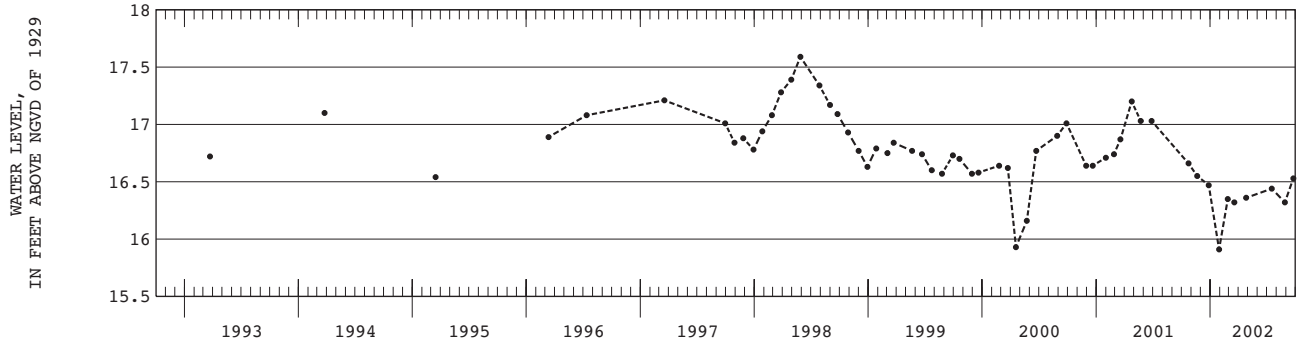
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.74	27.50	27.19	26.97	26.80	26.64	26.37	25.74	25.52	25.31	25.18	25.30
10	27.67	27.47	27.13	26.98	26.81	26.69	26.27	25.77	25.51	25.31	25.10	25.38
15	27.68	27.41	27.13	26.96	26.78	26.60	26.26	25.75	25.53	25.29	25.06	25.29
20	27.62	27.40	27.15	26.89	26.77	26.55	26.09	25.68	25.38	25.23	25.06	25.34
25	27.66	27.29	27.07	26.87	26.71	26.45	26.05	25.64	25.37	25.17	25.12	25.29
EOM	27.47	27.29	27.01	26.81	26.70	26.45	25.98	25.70	25.32	25.17	25.11	25.33
MEAN	27.65	27.38	27.14	26.93	26.79	26.58	26.20	25.73	25.47	25.26	25.10	25.32
MAX	27.81	27.51	27.27	27.06	26.91	26.82	26.48	25.94	25.66	25.36	25.18	25.42
MIN	27.47	27.24	27.01	26.81	26.69	26.45	25.97	25.62	25.32	25.17	25.02	25.15



404547073524401. Local number, Q1326.1
LOCATION.--Lat 40°45'47", long 73°52'44", Hydrologic Unit 02030201, at west side of 91st Street, 145 ft south of Astoria Boulevard, Jackson Heights. Owner: Fair Operating Company
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel diffusion well, diameter 6 in., depth 72 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.0 ft above sea level. Measuring point: Top of hole in 6-in steel cap, 0.44 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to March 1984 and June 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.06 ft above sea level, March 22, 1983; lowest measured, 14.50 ft above sea level, April 19, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

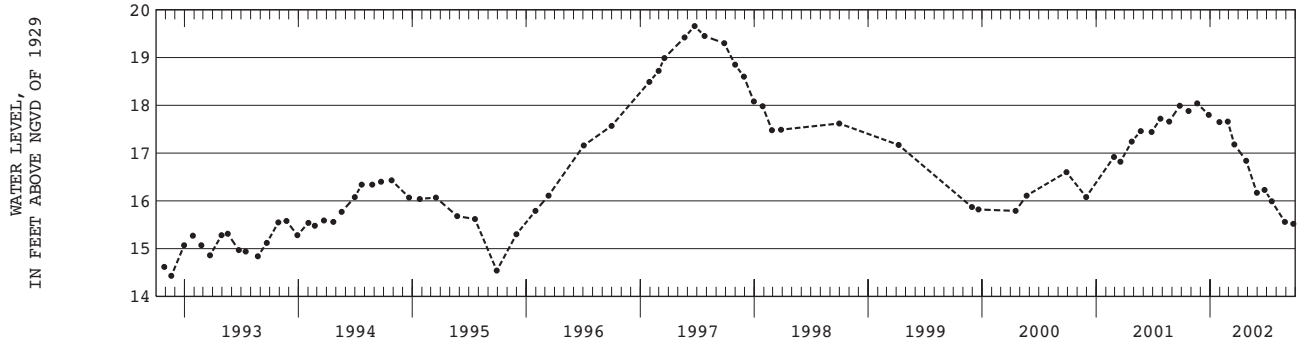
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.66	DEC 27	16.47	FEB 26	16.35	APR 26	16.36	AUG 28	16.32		
NOV 20	16.55	JAN 29	15.91	MAR 19	16.32	JUL 17	16.44	SEP 24	16.53		



404303073481601. Local number, Q1812.1
LOCATION.--Lat 40°43'03", 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 115.4 ft above sea level. Measuring point: Top of coupling at end of 2-in steel extension, 0.93 ft below land-surface datum.
PERIOD OF RECORD.--January 1982 to current year. Unpublished records from January 1982 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.66 ft above sea level, June 23, 1997; lowest measured, 12.80 ft below sea level, December 17, 1984.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	17.88	DEC 27	17.80	FEB 26	17.66	APR 26	16.84	JUN 24	16.23	AUG 28	15.56
NOV 20	18.04	JAN 30	17.65	MAR 19	17.18	MAY 30	16.17	JUL 17	15.99	SEP 24	15.52

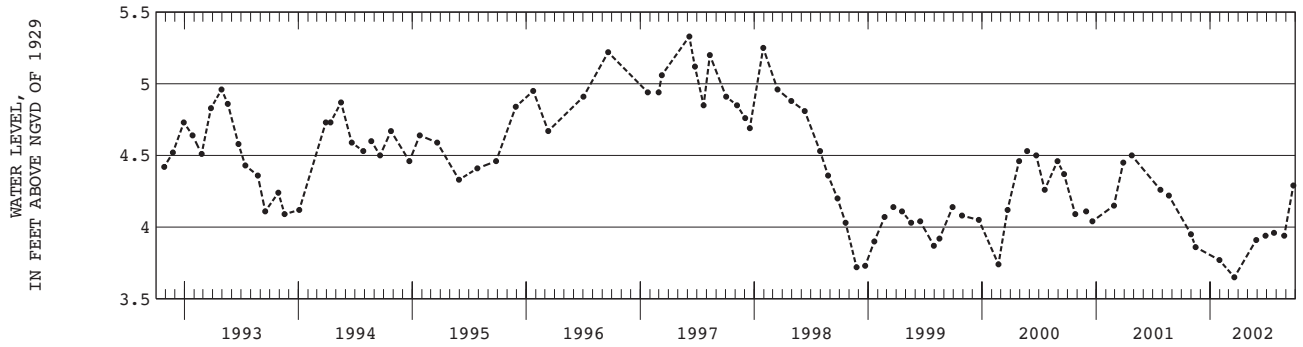


QUEENS COUNTY--Continued

403957073495001. Local number, Q2324.1
LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at north side of North Conduit Avenue, 66 ft east of entrance to Aqueduct Race Track, South Ozone Park. Owner: New York Racing Association.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 1/2 in., depth 91 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.33 ft above sea level, June 6, 1997; lowest measured, 3.40 ft below sea level, May 25, 1959.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

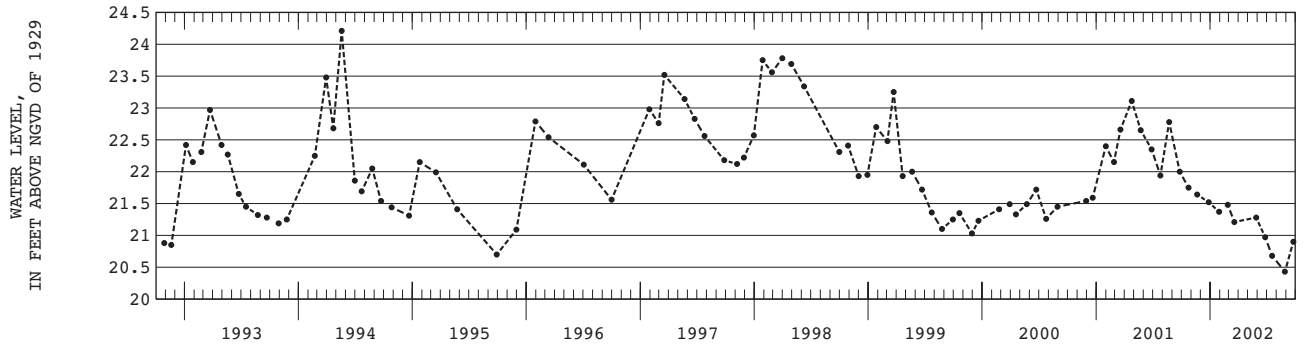
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	3.95	JAN 30	3.77	MAY 28	3.91	JUL 24	3.96	SEP 24	4.29		
NOV 15	3.86	MAR 19	3.65	JUN 27	3.94	AUG 26	3.94				



404451073475002. Local number, Q2346.1
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at City of New York storage facility, 55 ft south of Underhill Avenue, west of Fresh Meadow Lane, westernmost well, Flushing. Owner: City of New York.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 17 ft, screened 12 to 17 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 29.0 ft above sea level. Measuring point: Top of steel casing, 0.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1960 to current year. Unpublished records from August 1960 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.21 ft above sea level, May 19, 1994; lowest measured, 13.18 ft above sea level, February 25, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

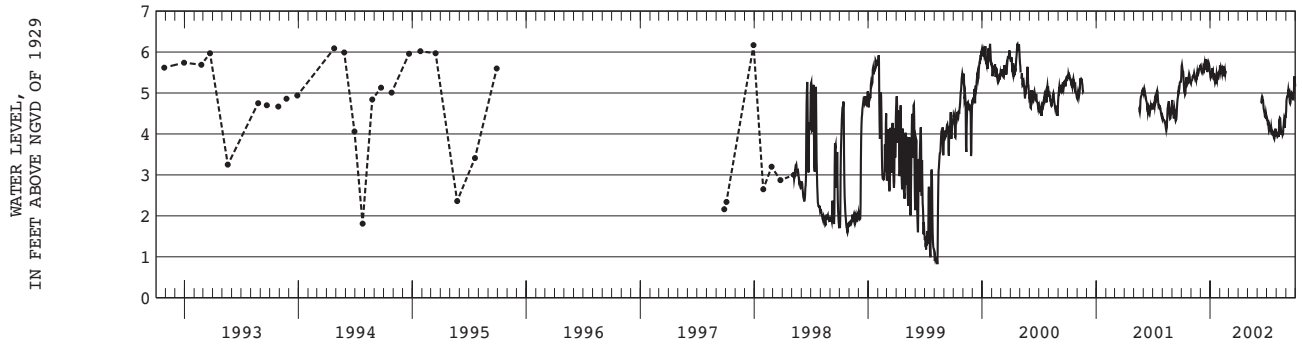
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.75	DEC 27	21.52	FEB 26	21.48	MAY 28	21.28	JUL 18	20.68	SEP 24	20.90
NOV 20	21.64	JAN 29	21.37	MAR 19	21.21	JUN 26	20.97	AUG 28	20.43		



404025073463801. Local number, Q2422.1
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at south side of 132nd Street, 140 ft west of Guy R. Brewer Boulevard, in pumping station, Springfield Gardens. Owner: City of New York.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in. to 6 in., depth 370 ft, screened 342 to 362 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of casing, 1.21 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.25 ft above sea level, January 25 and 26, 2000; lowest measured, 5.65 ft below sea level, September 9, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

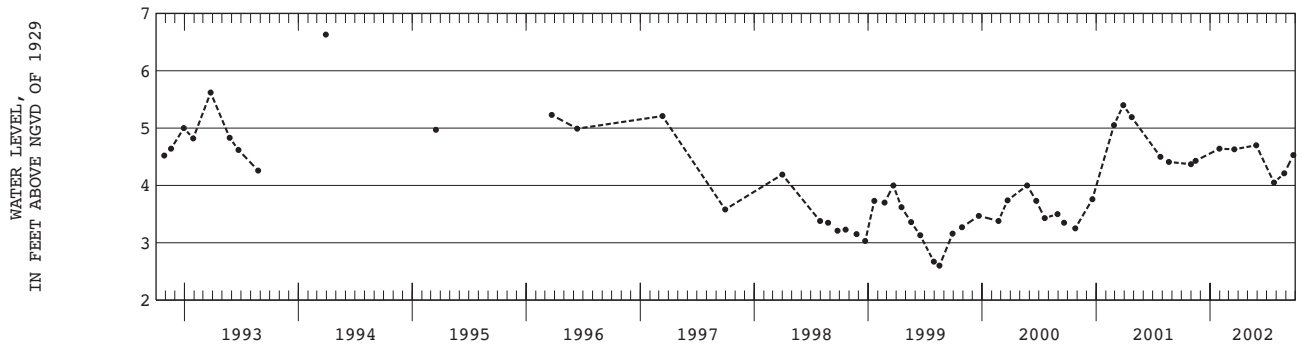
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.53	5.40	5.50	5.41	5.59	---	---	---	---	4.28	3.94	4.91
10	5.04	5.49	5.57	5.43	5.55	---	---	---	---	4.15	4.27	4.99
15	5.30	5.38	5.68	5.30	5.43	---	---	---	4.89	4.16	4.14	4.77
20	5.23	5.51	5.74	5.36	---	---	---	---	4.72	4.04	4.09	4.93
25	5.47	5.53	5.66	5.41	---	---	---	---	4.42	3.88	4.31	4.86
EOM	5.23	5.67	5.49	5.51	---	---	---	---	4.44	4.05	4.45	5.16
MEAN	5.31	5.44	5.62	5.41	---	---	---	---	---	---	4.14	4.96
MAX	5.69	5.67	5.82	5.60	---	---	---	---	---	---	4.46	5.41
MIN	4.96	5.28	5.49	5.25	---	---	---	---	---	---	3.93	4.56



403940073443601. Local number, Q2994.1
LOCATION.--Lat 40°39'40", long 73°44'36", Hydrologic Unit 02030202, at west side of Brookville Boulevard, between 145th Avenue and Mayda Road, 67 ft west of blacktop walkway in park, southernmost well, Rosedale. Owner: New York City.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 66 ft, screened 10 to 66 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of casing, 0.22 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.63 ft above sea level, March 29, 1994; lowest measured, 2.23 ft above sea level, December 20, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

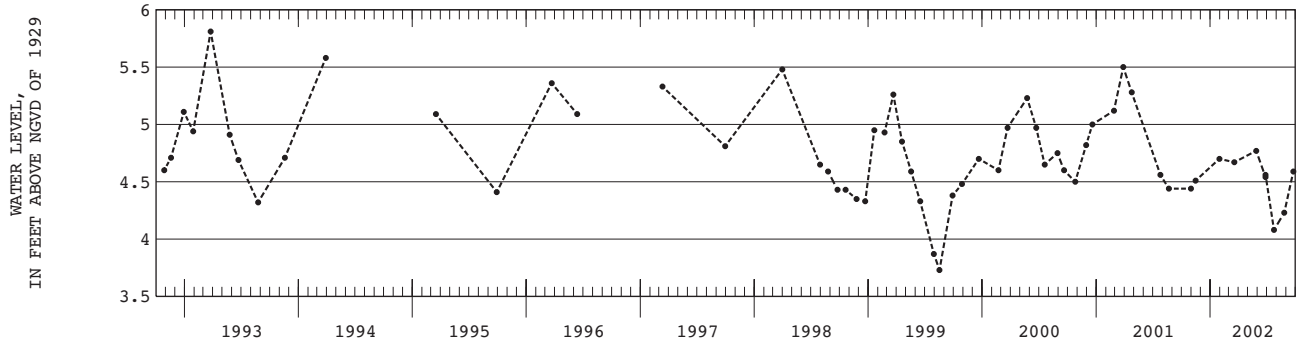
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.37	JAN 30	4.64	MAY 28	4.70	AUG 26	4.21				
NOV 15	4.43	MAR 19	4.63	JUL 24	4.05	SEP 24	4.53				



403940073443501. Local number, Q2995.1
LOCATION.--Lat 40°39'40", long 73°44'35", Hydrologic Unit 02030202, at west side of Brookville Boulevard, between 145th Avenue and Mayda Road, 54 ft west of blacktop walkway in park, northernmost well, Rosedale. Owner: New York City.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 4 in., depth 100 ft, screened 10 to 83 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of casing, 0.90 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1968 to October 1985 and June 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft above sea level, October 3, 1978; lowest measured, 2.43 ft above sea level, September 21, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

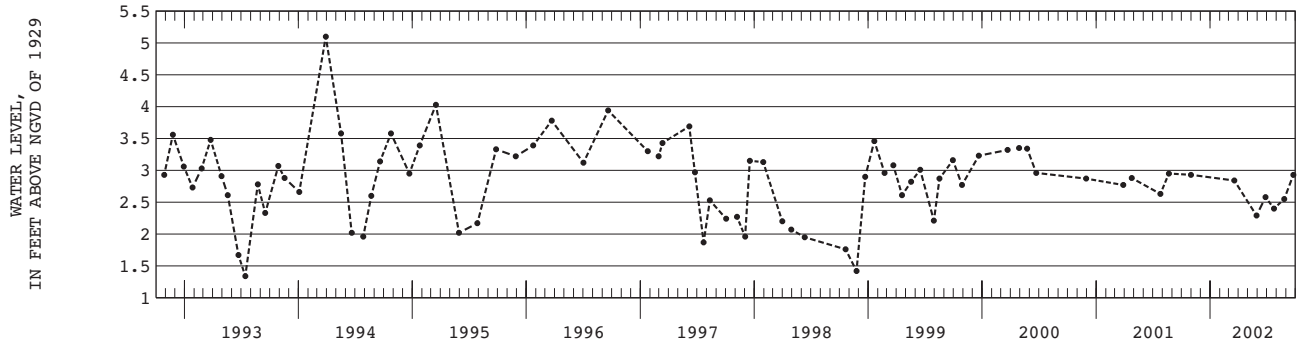
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.44	JAN 30	4.70	MAY 28	4.77	JUN 27	4.56	AUG 26	4.23		
NOV 15	4.51	MAR 19	4.67	JUN 27	4.54	JUL 24	4.08	SEP 24	4.59		



403932073482901. Local number, Q3109.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Circle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, northernmost well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 400 ft, screened 290 to 310 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.7 ft above sea level. Measuring point: Top of coupling, 1.30 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.10 ft above sea level, March 29, 1994; lowest measured, 1.32 ft below sea level, September 26, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.93	MAY 29	2.29	JUL 24	2.40	SEP 24	2.93				
MAR 19	2.84	JUN 27	2.58	AUG 26	2.55						

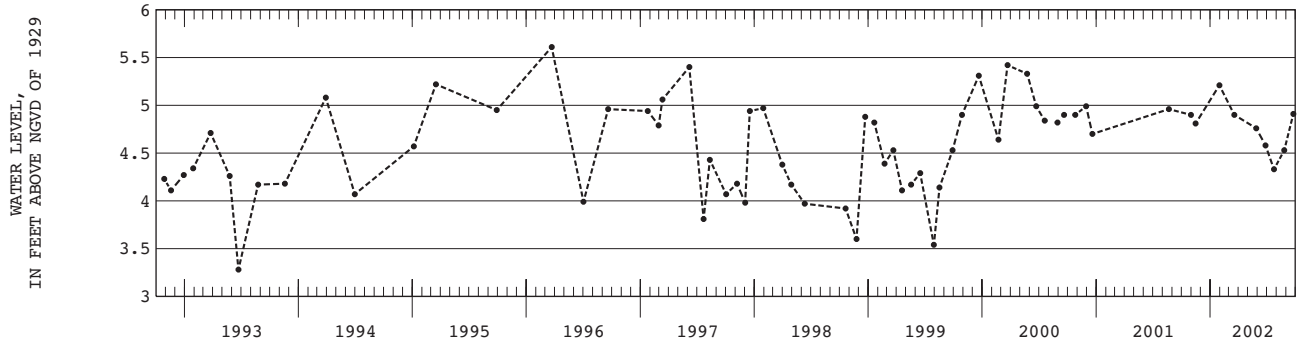


QUEENS COUNTY--Continued

403845073475701. Local number, Q3110.1
LOCATION.--Lat 40°38'45", long 73°47'57", Hydrologic Unit 02030202, at John F. Kennedy International Airport, east side of North Service Road, north of intersection with Van Wyck Expressway, easternmost well. Owner: New York Port Authority.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 356 ft, screened 306 to 326 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of coupling, 0.53 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and local dewatering.
PERIOD OF RECORD.--December 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.01 ft above sea level, March 22, 1991; lowest measured, 0.20 ft above sea level, September 26, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

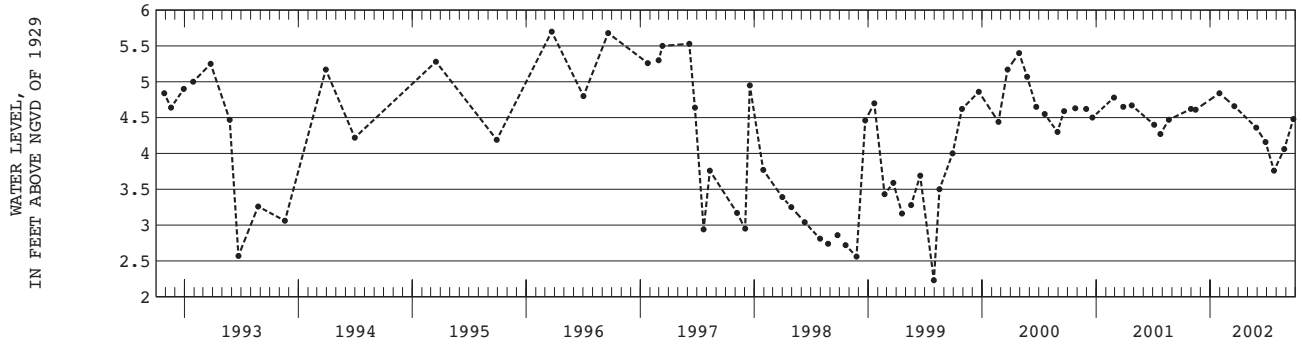
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.90	JAN 30	5.21	MAY 28	4.76	JUL 24	4.33	SEP 24	4.91		
NOV 15	4.81	MAR 19	4.90	JUN 27	4.58	AUG 26	4.53				



403939073472801. Local number, Q3112.1
LOCATION.--Lat 40°39'39", long 73°47'28", Hydrologic Unit 02030202, at John F. Kennedy International Airport, east side of North Boundary Road, south of 150th Avenue, southernmost well. Owner: New York Port Authority.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 305 ft, screened 290 to 300 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 11.3 ft above sea level. Measuring point: Top of coupling, 0.35 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and local dewatering.
PERIOD OF RECORD.--December 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.70 ft above sea level, March 22, 1996; lowest measured, 1.78 ft below sea level, September 26, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.62	JAN 30	4.84	MAY 28	4.36	JUL 24	3.76	SEP 24	4.48		
NOV 15	4.61	MAR 19	4.66	JUN 27	4.16	AUG 26	4.06				

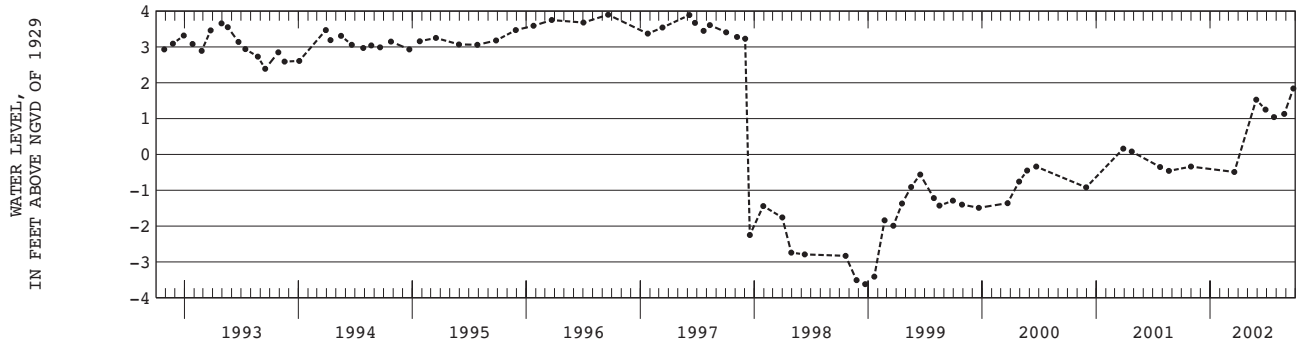


QUEENS COUNTY--Continued

403932073482902. Local number, Q3114.1
LOCATION.--Lat 40°39'32", long 73°48'29", Hydrologic Unit 02030202, at John F. Kennedy International Airport, in grassy area at Federal Circle, 160 ft west of Federal Circle Loop Road, near Bergan Road split, just east of Van Wyck Expressway, southernmost well, South Ozone Park. Owner: New York Port Authority.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 31 ft, screened 29 to 31 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of coupling, 0.26 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation and local dewatering.
PERIOD OF RECORD.--December 1981 to current year. Unpublished records from December 1981 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.30 ft above sea level, April 30, 1984; lowest measured, 3.62 ft below sea level, December 22, 1998.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

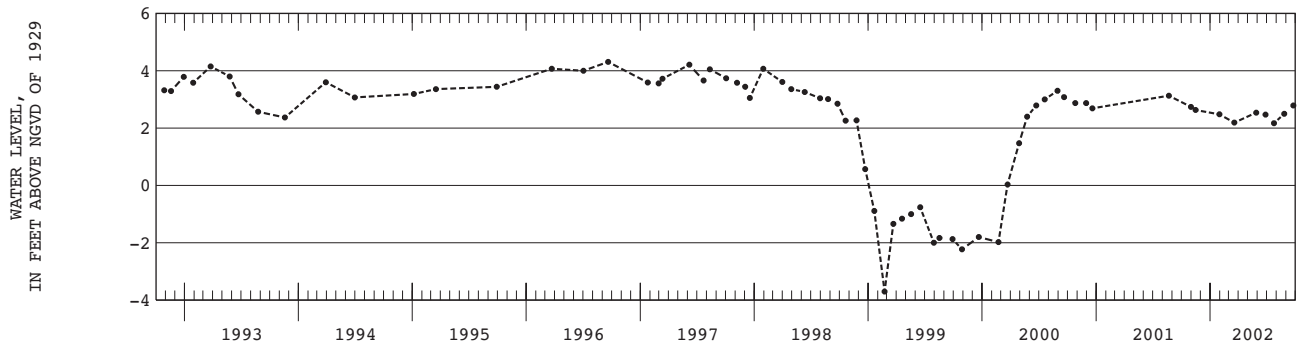
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	-.34	MAY 28	1.53	JUL 24	1.04	SEP 24	1.84				
MAR 19	-.49	JUN 27	1.25	AUG 26	1.13						



403845073475702. Local number, Q3115.1
LOCATION.--Lat 40°38'45", long 73°47'57", Hydrologic Unit 02030202, at John F. Kennedy International Airport, east side of North Service Road, north of intersection with Van Wyck Expressway, westernmost well. Owner: New York Port Authority.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 28 ft, screened 25 to 28 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of coupling, 0.36 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft above sea level, December 17, 1984; lowest measured, 3.70 ft below sea level, February 22, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

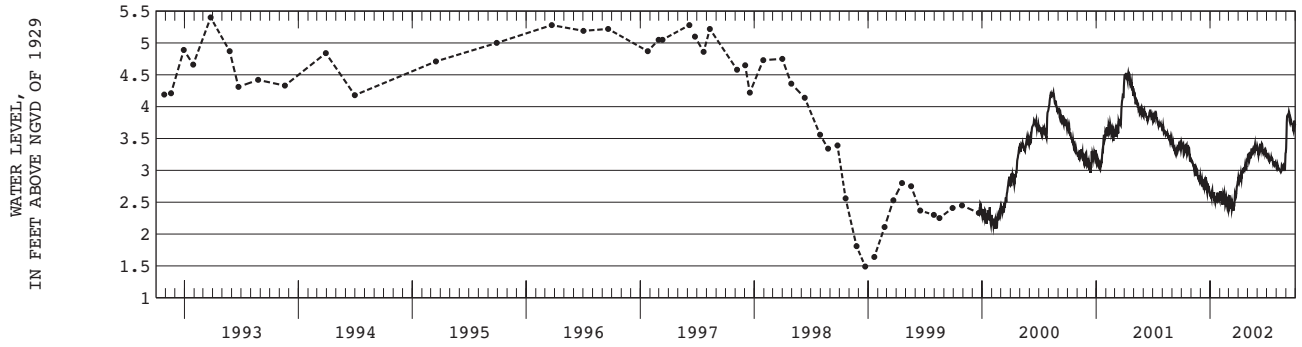
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.74	JAN 30	2.48	MAY 28	2.54	JUL 24	2.17	SEP 24	2.79		
NOV 15	2.63	MAR 19	2.19	JUN 27	2.47	AUG 26	2.50				



403939073472802. Local number, Q3117.1
LOCATION.--Lat 40°39'39", long 73°47'28", Hydrologic Unit 02030202, at John F. Kennedy International Airport, east side of North Boundary Road, south of 150th Avenue, southernmost well. Owner: New York Port Authority.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 23 ft, screened 11 to 23 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of coupling, 1.00 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.85 ft above sea level, April 30, 1984; lowest measured, 0.57 ft above sea level, December 20, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

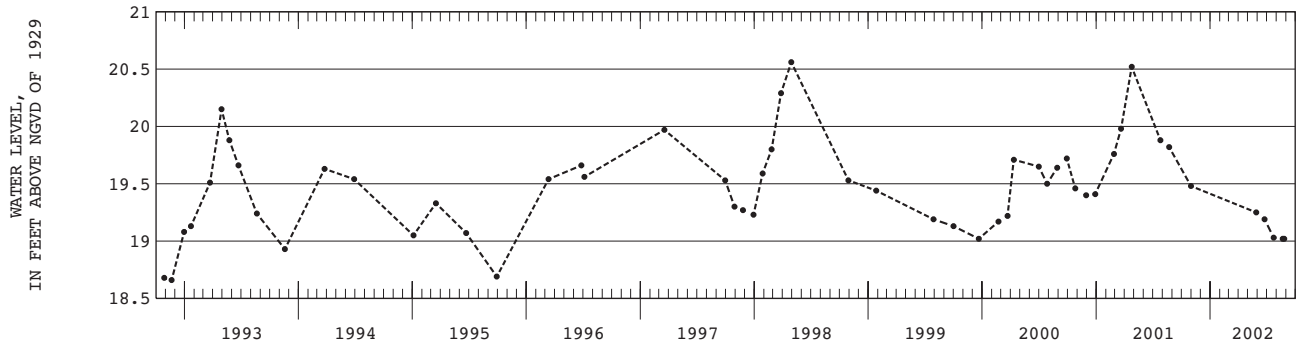
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.40	3.13	2.79	2.58	2.56	2.45	2.89	3.20	3.29	3.20	3.08	3.86
10	3.30	3.10	2.74	2.61	2.59	2.48	2.91	3.24	3.36	3.18	3.01	3.92
15	3.36	3.04	2.73	2.60	2.55	2.47	3.00	3.26	3.42	3.20	2.97	3.76
20	3.34	3.01	2.78	2.55	2.53	2.55	3.03	3.34	3.26	3.14	3.04	3.73
25	3.35	2.90	2.69	2.55	2.47	2.63	3.07	3.31	3.28	3.08	3.07	3.61
EOM	3.15	2.91	2.62	2.54	2.45	2.84	3.19	3.39	3.22	3.07	3.28	3.73
MEAN	3.32	3.00	2.76	2.58	2.55	2.55	2.99	3.29	3.32	3.16	3.05	3.75
MAX	3.43	3.17	2.89	2.69	2.67	2.84	3.19	3.40	3.42	3.26	3.28	3.92
MIN	3.14	2.84	2.62	2.50	2.43	2.37	2.86	3.16	3.22	3.07	2.97	3.35



404654073465901. Local number, Q3119.1
LOCATION.--Lat 40°46'54", long 73°46'59", Hydrologic Unit 02030201, at south side of 18th Avenue, 44 ft west of 211th Street, Bay Terrace. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 40 ft, screened 37 to 40 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 38.2 ft above sea level. Measuring point: Top of coupling, 0.01 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--September 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.35 ft above sea level, September 26, 1983; lowest measured, 18.06 ft above sea level, October 4, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	19.48	MAY 28	19.25	JUN 24	19.19	JUL 23	19.03	AUG 21	19.02	AUG 26	19.02

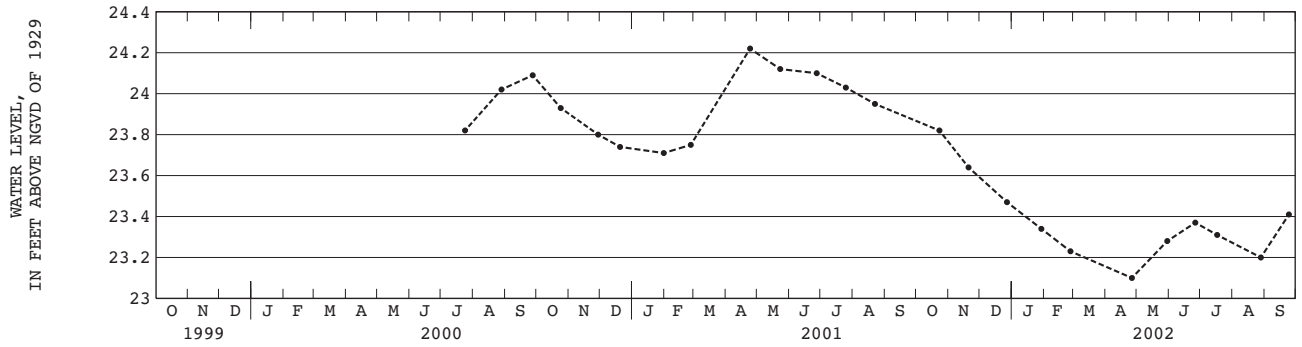


QUEENS COUNTY--Continued

404613073545802. Local number, Q3121.2
LOCATION.--Lat 40°46'13", long 73°54'58", Hydrologic Unit 02030201, at north side of Astoria Boulevard, 60 ft east of 33rd Street, Astoria. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 50 ft, screened 38.8 to 48.8 ft.
INSTRUMENTATION.--Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.--Land-surface datum is 47.0 ft above sea level. Measuring point: Top of casing, 0.17 ft below land-surface datum.
REMARKS.--Replaced well Q3121.1 in June 2000 near same location.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.22 ft above sea level, April 24, 2001; lowest measured, 23.10 ft above sea level, April 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

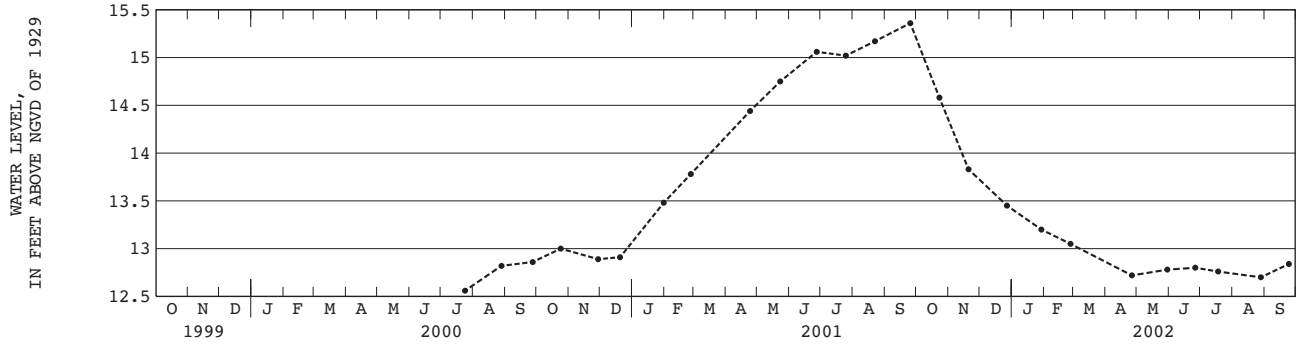
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	23.82	DEC 27	23.47	FEB 26	23.23	MAY 30	23.28	JUL 17	23.31	SEP 24	23.41
NOV 20	23.64	JAN 29	23.34	APR 26	23.10	JUN 26	23.37	AUG 28	23.20		



404551073560402. Local number, Q3122.2
LOCATION.--Lat 40°45'10", long 73°56'04", Hydrologic Unit 02030201, at west side of 30th Street, 25 ft south of 39th Avenue, Dutch Kills. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 45 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 43.0 ft above sea level. Measuring point: Top of casing, 0.88 ft below land-surface datum.
REMARKS.--Replaced well Q3122.1 in June 2000 near same location.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.36 ft above sea level, September 25, 2001; lowest measured, 12.56 ft above sea level, July 24, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

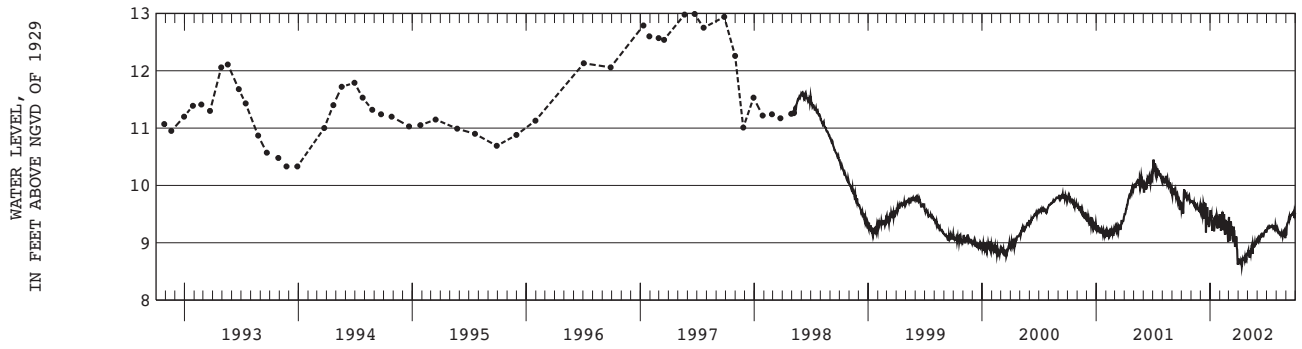
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	14.58	DEC 27	13.45	FEB 26	13.05	MAY 30	12.78	JUL 18	12.76	SEP 24	12.84
NOV 20	13.83	JAN 29	13.20	APR 26	12.72	JUN 26	12.80	AUG 28	12.70		



404112073500901. Local number, Q3160.1
LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at west side of 108th Street, 196 ft south of 101st Avenue, Woodhaven. Owner: 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.--Digital water-level recorder.
DATUM.--Land-surface datum is 45.0 ft above sea level. Measuring point: Top of coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.99 ft above sea level, June 23, 1997; lowest measured, 6.08 ft above sea level, March 2, 1984.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

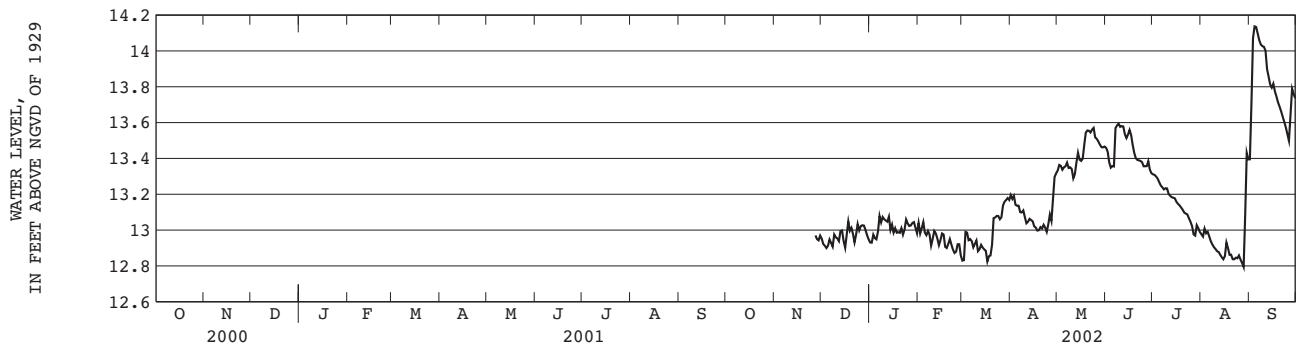
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.60	9.72	9.64	9.48	9.38	9.32	8.67	8.79	9.06	9.25	9.24	9.34
10	9.86	9.70	9.68	9.30	9.44	9.12	8.67	8.86	9.10	9.27	9.16	9.44
15	9.83	9.67	9.53	9.34	9.39	9.05	8.73	8.92	9.16	9.28	9.14	9.46
20	9.79	9.66	9.32	9.42	9.28	9.06	8.73	8.95	9.11	9.28	9.15	9.49
25	9.83	9.58	9.44	9.35	9.33	9.11	8.73	8.96	9.19	9.25	9.17	9.51
EOM	9.71	9.54	9.46	9.50	9.19	8.67	8.79	9.06	9.19	9.26	9.23	9.52
MEAN	9.76	9.65	9.49	9.39	9.30	9.10	8.70	8.91	9.13	9.27	9.18	9.43
MAX	9.93	9.73	9.71	9.57	9.54	9.45	8.81	9.06	9.22	9.31	9.25	9.53
MIN	9.51	9.54	9.18	9.20	9.01	8.62	8.59	8.74	9.02	9.21	9.08	9.13



404119073463602. Local number, Q3162.2
LOCATION.--Lat 40°41'19", long 73°46'36", Hydrologic Unit 02030202, at 173rd Street and 116th Avenue, Springfield. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 40 ft, screened 30 to 35 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.0 ft above sea level. Measuring point: Top of coupling, 0.12 ft below land-surface datum.
REMARKS.--Replaced well Q3162.1 in October 2000 near same location.
PERIOD OF RECORD.--October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.15 ft above sea level, September 4, 2002; lowest measured, 12.79 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

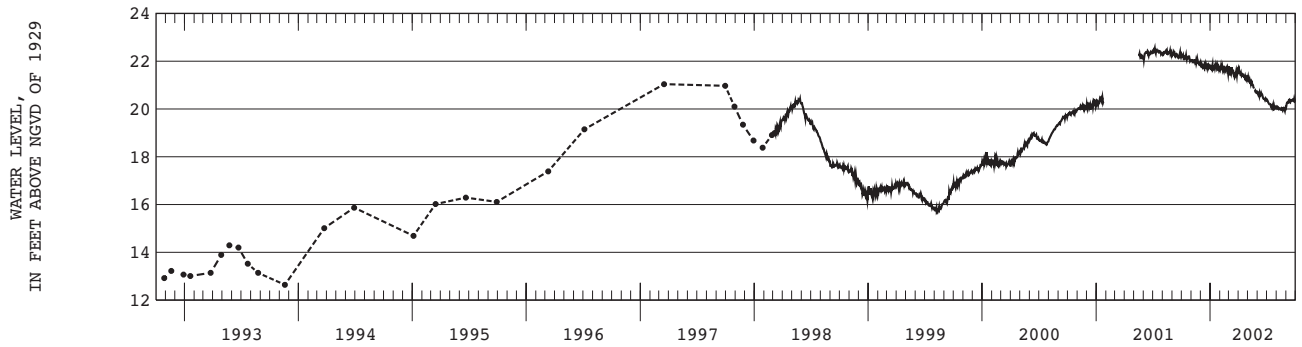
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	12.91	12.95	12.99	12.94	13.14	13.35	13.36	13.27	12.99	14.13
10	---	---	12.96	13.06	12.95	12.94	13.07	13.34	13.58	13.23	12.89	14.02
15	---	---	12.94	13.03	12.94	12.89	13.05	13.39	13.53	13.18	12.84	13.80
20	---	---	13.01	12.98	12.92	12.92	13.02	13.56	13.40	13.11	12.86	13.69
25	---	---	13.00	13.04	12.88	13.06	13.03	13.52	13.36	13.05	12.86	13.54
EOM	---	12.97	12.95	12.98	12.86	13.17	13.32	13.47	13.32	12.99	13.39	13.74
MEAN	---	---	12.97	13.01	12.95	12.98	13.09	13.43	13.45	13.15	12.93	13.81
MAX	---	---	13.05	13.08	13.04	13.18	13.32	13.57	13.59	13.31	13.43	14.14
MIN	---	---	12.90	12.93	12.86	12.82	12.99	13.29	13.32	12.97	12.79	13.39



404226073303201. Local number, Q3163.1
LOCATION.--Lat 40°42'26", long 73°45'33", Hydrologic Unit 02030202, at north side of 109th Avenue, 132 ft west of 200th Street, Saint Albans. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 66 ft, screened 61 to 66 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 50.0 ft above sea level. Measuring point: Top of coupling, 1.06 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.54 ft above sea level, July 7, 2001; lowest measured, 5.93 ft below sea level, March 2, 1984.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

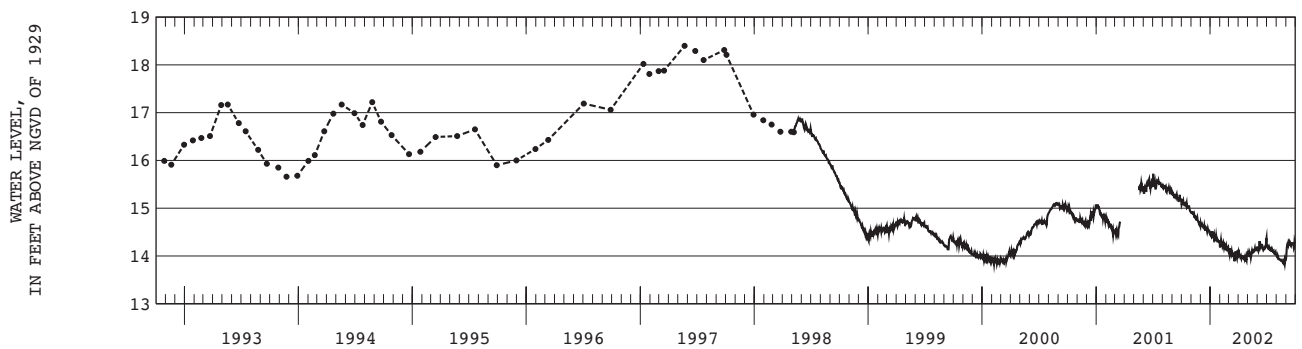
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.20	21.97	21.78	21.69	21.67	21.71	21.52	21.15	20.61	20.29	20.09	20.28
10	22.12	21.99	21.75	21.66	21.63	21.75	21.43	21.11	20.58	---	20.00	20.38
15	22.25	21.91	21.83	21.79	21.65	21.61	21.46	21.03	20.63	20.14	19.97	20.32
20	22.11	22.10	21.79	21.87	21.64	21.32	21.38	20.89	20.44	20.12	19.97	20.37
25	22.20	21.91	21.84	21.78	21.73	21.59	21.30	20.73	20.38	19.99	20.03	20.33
EOM	22.01	21.83	21.70	21.66	21.65	21.63	21.30	20.73	20.35	20.08	20.03	20.36
MEAN	22.14	21.97	21.79	21.73	21.67	21.56	21.42	---	20.53	---	20.01	20.32
MAX	22.28	22.10	21.90	21.87	21.79	21.79	21.68	---	20.72	---	20.09	20.44
MIN	22.00	21.83	21.70	21.64	21.49	21.32	21.22	---	20.35	---	19.92	20.08



404143073482701. Local number, Q3165.1
LOCATION.--Lat 40°41'43", long 73°48'27", Hydrologic Unit 02030202, at east side of Liverpool Street, 54 ft north of 101st Avenue, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 65 ft, screened 60 to 65 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 41.6 ft above sea level. Measuring point: Top of coupling, 0.59 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.40 ft above sea level, May 22, 1997; lowest measured, 7.28 ft above sea level, March 2, 1984.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

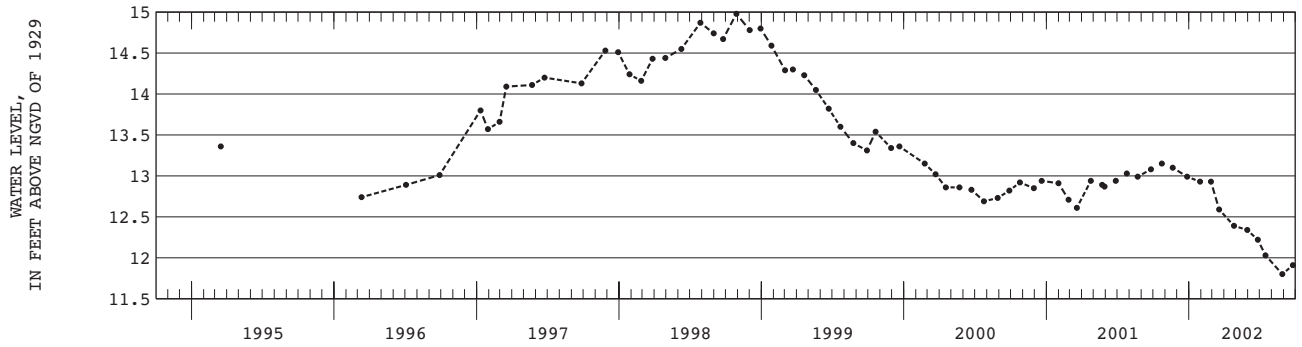
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.14	14.92	14.64	14.42	14.25	14.09	14.00	14.00	14.13	14.19	14.01	14.24
10	15.08	14.88	14.59	14.47	14.22	14.10	13.97	14.03	14.18	14.16	13.93	14.29
15	15.10	14.82	14.58	14.40	14.20	14.05	14.00	14.06	14.23	14.15	13.90	14.22
20	15.03	14.81	14.58	14.41	14.18	13.89	13.97	14.11	14.12	14.10	13.88	14.26
25	15.04	14.69	14.54	14.34	14.12	14.02	13.95	14.12	14.17	14.05	13.83	14.21
EOM	14.91	14.62	14.46	14.26	14.13	14.05	14.04	14.18	14.37	14.02	13.94	14.27
MEAN	15.05	14.80	14.58	14.38	14.21	14.04	13.98	14.08	14.19	14.12	13.92	14.23
MAX	15.16	14.92	14.69	14.52	14.32	14.16	14.08	14.18	14.37	14.22	14.01	14.32
MIN	14.91	14.62	14.46	14.26	14.12	13.89	13.91	13.97	14.10	14.02	13.83	13.96



404138073535102. Local number, Q3587.1
LOCATION.--Lat 40°41'38", long 73°53'51", Hydrologic Unit 02030201, at north side of Cabot Road, 66 ft west of Cypress Avenue, westernmost well, Ridgewood. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 175 ft, screened 160 to 170 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 88.1 ft above sea level. Measuring point: Top of casing, 0.07 ft below land-surface datum.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.98 ft above sea level, October 28, 1998; lowest measured, 11.80 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

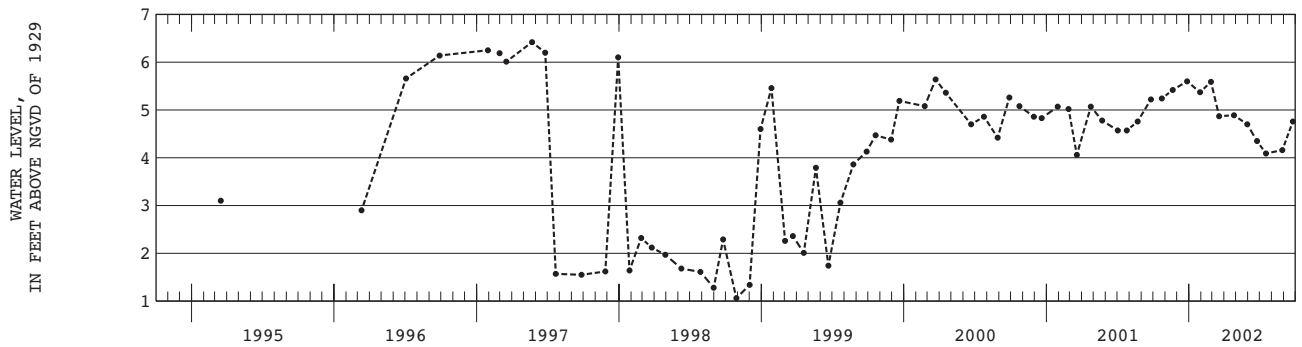
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.15	DEC 27	12.99	FEB 26	12.93	APR 26	12.39	JUN 26	12.22	AUG 28	11.80
NOV 20	13.10	JAN 29	12.93	MAR 19	12.59	MAY 30	12.34	JUL 16	12.03	SEP 24	11.91



404026073472102. Local number, Q3589.1
LOCATION.--Lat 40°40'26", long 73°47'21", Hydrologic Unit 02030202, at east side of Stuphin Boulevard, 226 ft north of Rockaway Boulevard, Springfield Gardens. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 320 ft, screened 310 to 320 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.0 ft above sea level. Measuring point: Top of casing, 0.54 ft below land-surface datum.
REMARKS.--Water level affected by local dewatering.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.42 ft above sea level, May 22, 1997; lowest measured, 1.06 ft above sea level, October 28, 1998.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.24	DEC 27	5.60	FEB 26	5.59	APR 26	4.89	JUN 24	4.35	AUG 28	4.16
NOV 20	5.42	JAN 29	5.37	MAR 19	4.87	MAY 30	4.70	JUL 17	4.09	SEP 24	4.76

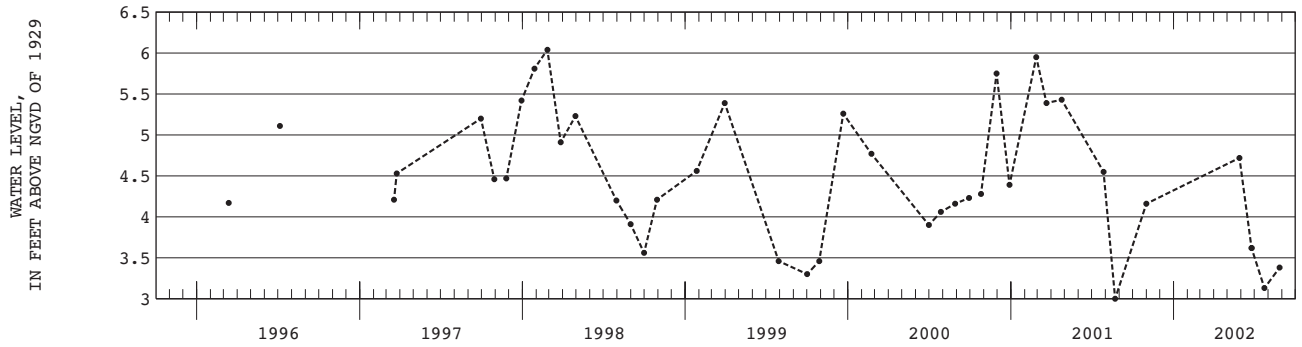


QUEENS COUNTY--Continued

404733073482901. Local number, Q3593.1
LOCATION.--Lat 40°47'33", long 73°48'29", Hydrologic Unit 02030201, at north side of 11th Avenue, 82 ft west of 154th Street, Whitestone. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 215 ft, screened 165 to 185 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 20.8 ft above sea level. Measuring point: Top of casing, 0.04 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--March 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.04 ft above sea level, February 25, 1998; lowest measured, 3.00 ft above sea level, August 22, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

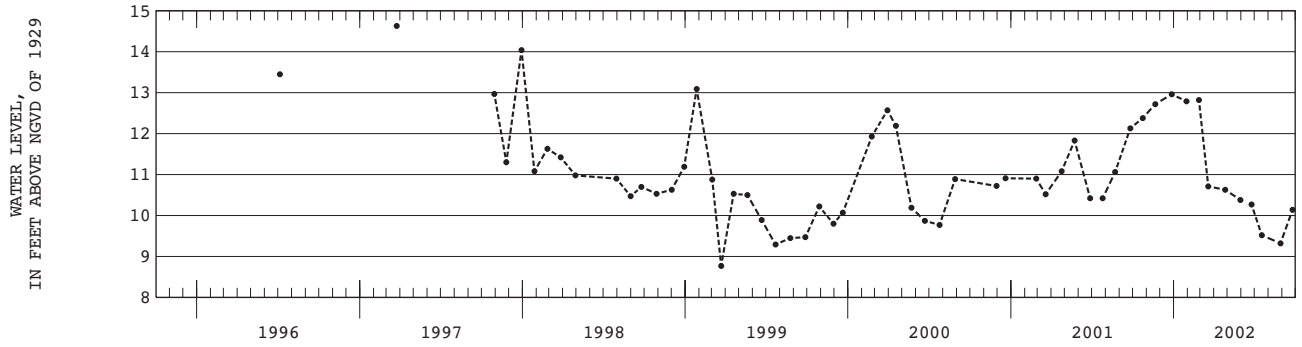
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.16	MAY 28	4.72	JUN 24	3.62	JUN 24	3.62	JUL 23	3.13	AUG 26	3.38



404239073493001. Local number, Q3627.1
LOCATION.--Lat 40°42'39", long 73°49'30", Hydrologic Unit 02030202, at eastern side of Maple Grove Cemetery, 300 ft south of maintenance building, southernmost well, Kew Gardens. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 510 ft, screened 480 to 500 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 82.9 ft above sea level. Measuring point: Top of casing, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.63 ft above sea level, March 24, 1997; lowest measured, 8.77 ft above sea level, March 22, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

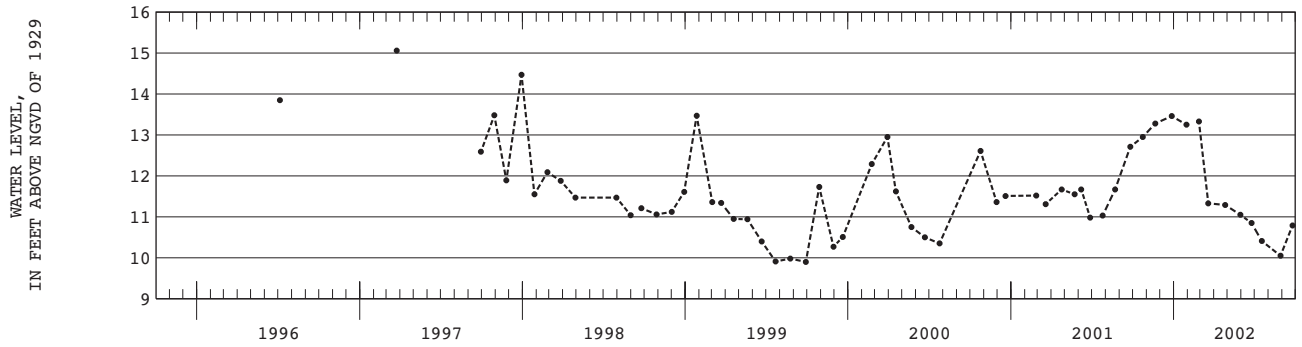
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.38	DEC 27	12.96	FEB 26	12.82	APR 26	10.63	JUN 24	10.27	AUG 28	9.32
NOV 20	12.72	JAN 29	12.79	MAR 19	10.71	MAY 30	10.38	JUL 17	9.52	SEP 24	10.14



404239073492901. Local number, Q3628.1
LOCATION.--Lat 40°42'39", long 73°49'29", Hydrologic Unit 02030202, at eastern side of Maple Grove Cemetery, 300 ft south of maintenance building, middle well, Kew Gardens. Owner: United States Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 340 ft, screened 310 to 340 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 82.7 ft above sea level. Measuring point: Top of casing, 0.05 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.06 ft above sea level, March 24, 1997; lowest measured, 9.90 ft above sea level, September 28, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

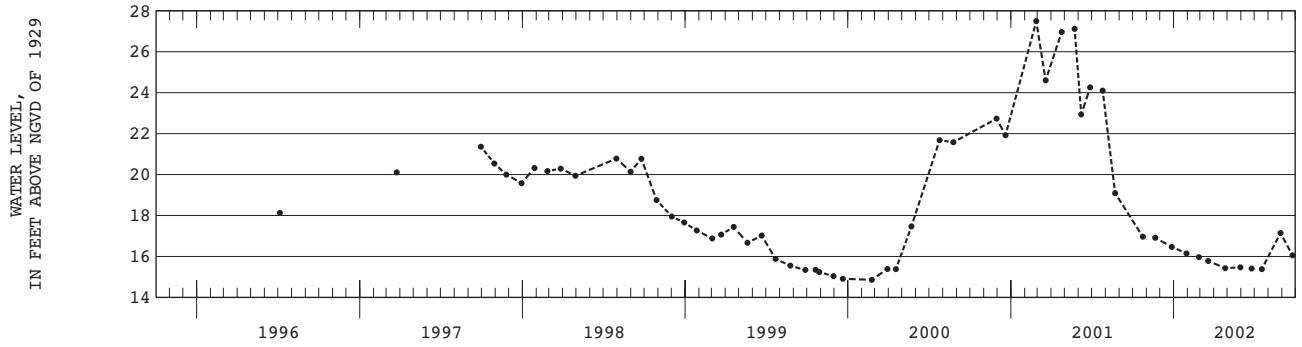
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.95	DEC 27	13.46	FEB 26	13.33	APR 26	11.29	JUN 24	10.85	AUG 28	10.05
NOV 20	13.28	JAN 29	13.25	MAR 19	11.33	MAY 30	11.05	JUL 17	10.41	SEP 24	10.79



404239073492801. Local number, Q3629.1
LOCATION.--Lat 40°42'39", long 73°49'28', Hydrologic Unit 02030202, at eastern side of Maple Grove Cemetery, 300 ft south of maintenance building, northernmost well, Kew Gardens. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 80 ft, screened 50 to 70 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 82.8 ft above sea level. Measuring point: Top of casing, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.49 ft above sea level, February 26, 2001; lowest measured, 14.86 ft above sea level, February 23, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

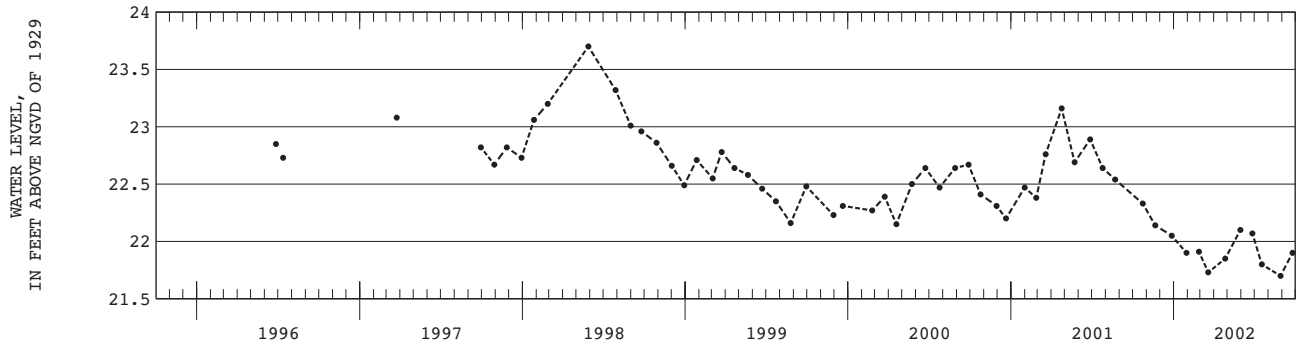
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.97	DEC 27	16.47	FEB 26	15.97	APR 26	15.43	JUN 24	15.41	AUG 28	17.15
NOV 20	16.91	JAN 29	16.15	MAR 19	15.78	MAY 30	15.47	JUL 17	15.38	SEP 24	16.05



404519073532501. Local number, Q3647.1
LOCATION.--Lat 40°45'19", long 73°53'25", Hydrologic Unit 02030201, at east side of 77th Street, 300 ft north of Northern Boulevard, Jackson Heights. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 1 in., depth 35 ft, screened 30 to 35 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 42.0 ft above sea level. Measuring point: Top of casing, 0.12 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.70 ft above sea level, May 28, 1998; lowest measured, 21.70 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

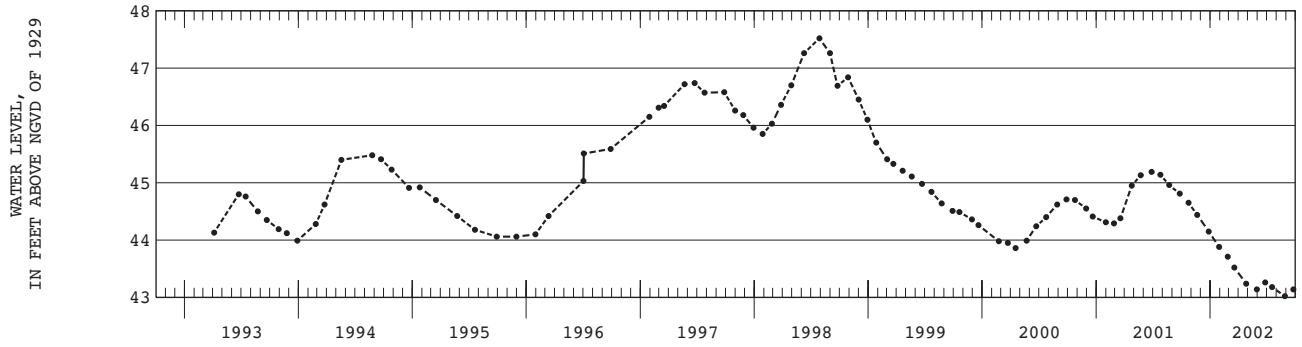
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	22.33	DEC 27	22.05	FEB 26	21.91	APR 26	21.85	JUN 26	22.07	AUG 28	21.70
NOV 20	22.14	JAN 29	21.90	MAR 19	21.73	MAY 30	22.10	JUL 17	21.80	SEP 24	21.90



404437073535401. Local number, Q3648.1
LOCATION.--Lat 40°44'37", long 73°53'54", Hydrologic Unit 02030201, at east side of 66th Street, 200 ft south of intersection with 67th and 41st Avenue, Woodside. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 90 ft, screened 80 to 85 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 78.1 ft above sea level. Measuring point: Top of coupling, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.52 ft above sea level, July 28, 1998; lowest measured, 43.02 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

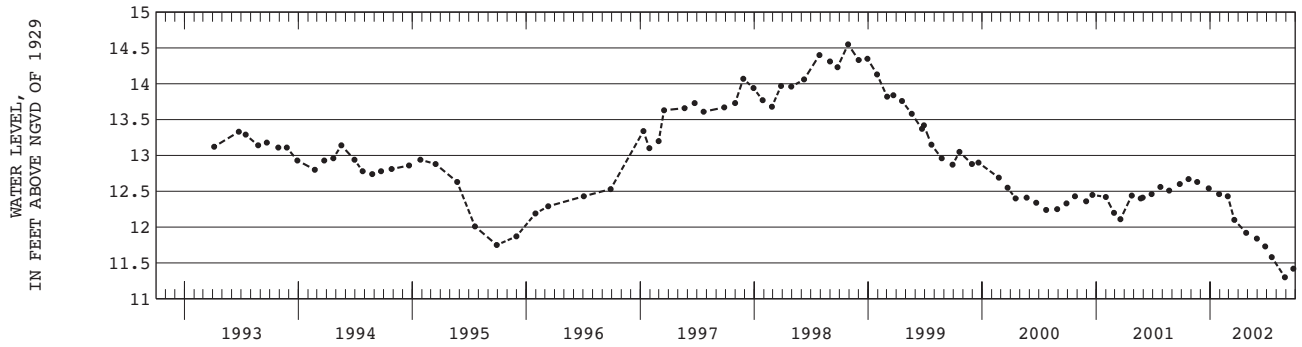
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	44.65	DEC 27	44.15	FEB 26	43.71	APR 26	43.24	JUN 26	43.26	AUG 28	43.02
NOV 20	44.44	JAN 29	43.88	MAR 19	43.52	MAY 30	43.14	JUL 18	43.18	SEP 24	43.14



404138073535101. Local number, Q3649.1
LOCATION.--Lat 40°41'38", long 73°53'51", Hydrologic Unit 02030201, at north side of Cabot Road, 66 ft west of Cypress Avenue, easternmost well, Ridgewood. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 110 ft, screened 100 to 105 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 88.4 ft above sea level. Measuring point: Top of casing, 0.28 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.55 ft above sea level, October 28, 1998; lowest measured, 11.30 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

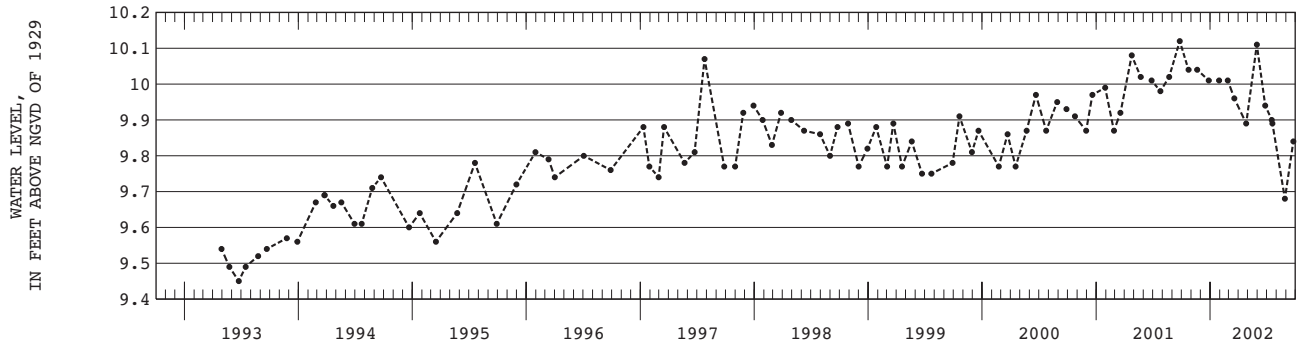
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.67	DEC 27	12.54	FEB 26	12.43	APR 26	11.92	JUN 26	11.73	AUG 28	11.30
NOV 20	12.63	JAN 29	12.46	MAR 19	12.10	MAY 30	11.84	JUL 17	11.58	SEP 24	11.42



404402073520901. Local number, Q3650.1
LOCATION.--Lat 40°44'02", long 73°52'09", Hydrologic Unit 02030201, at north side of Horace Harding Boulevard exit ramp, 150 ft west of 92nd Street, Elmhurst. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 50 ft, screened 40 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 19.7 ft above sea level. Measuring point: Top of casing, 0.23 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.12 ft above sea level, September 25, 2001; lowest measured, 9.45 ft above sea level, June 23, 1993.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

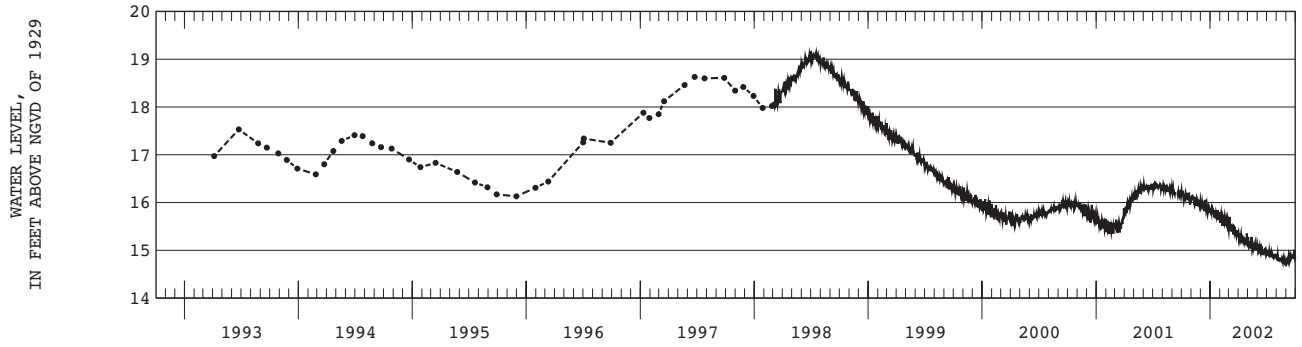
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.04	JAN 29	10.01	APR 26	9.89	JUL 17	9.90	SEP 24	9.84		
NOV 20	10.04	FEB 26	10.01	MAY 30	10.11	19	9.89				
DEC 27	10.01	MAR 19	9.96	JUN 26	9.94	AUG 28	9.68				



404251073512601. Local number, Q3651.1
LOCATION.--Lat 40°42'51", long 73°51'26", Hydrologic Unit 02030201, at south side of Manse Street, 45 ft east of Selfridge Street, Forest Hills. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 75 to 80 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 51.3 ft above sea level. Measuring point: Top of coupling, 0.27 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.20 ft above sea level, June 30, 1998; lowest measured, 14.66 ft above sea level, August 31, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

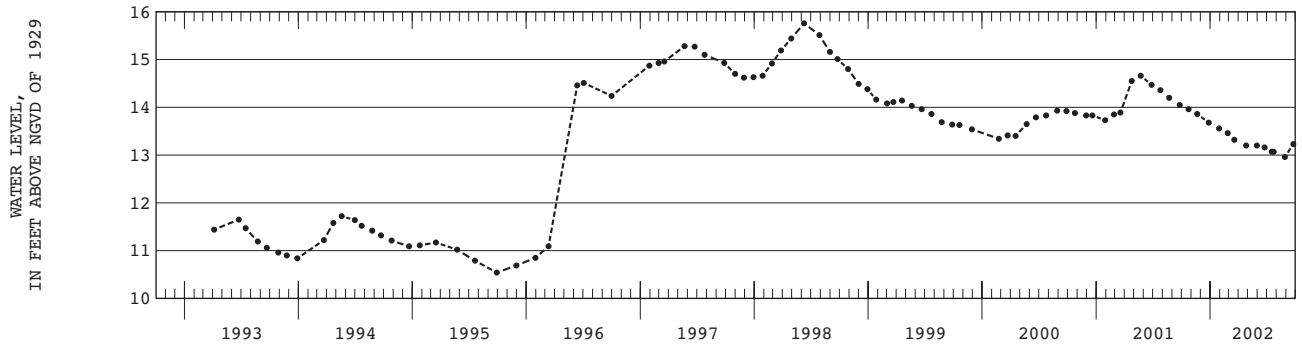
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.19	16.13	15.92	15.80	15.62	15.43	15.28	15.10	15.08	14.91	14.90	14.80
10	16.14	16.12	15.87	15.84	15.72	15.51	15.19	15.10	15.02	14.93	14.81	14.93
15	16.14	16.07	15.84	15.80	15.66	15.46	15.27	15.07	15.07	14.95	14.79	14.86
20	16.12	16.07	15.93	15.73	15.58	15.48	15.23	15.06	14.92	14.85	14.76	14.88
25	16.19	16.02	15.85	15.66	15.56	15.31	15.24	15.01	14.98	14.85	14.79	14.84
EOM	16.04	16.02	15.81	15.65	15.47	15.33	15.20	15.14	14.92	14.85	14.69	14.87
MEAN	---	16.03	15.91	15.76	15.62	15.43	15.24	15.11	15.01	14.91	14.80	14.84
MAX	---	16.13	16.04	15.89	15.80	15.70	15.36	15.28	15.10	14.99	14.90	15.01
MIN	---	15.93	15.79	15.65	15.47	15.31	15.13	15.01	14.90	14.84	14.69	14.74



404350073494501. Local number, Q3652.1
LOCATION.--Lat 40°43'50", long 73°49'45", Hydrologic Unit 02030201, at north side of 68th Drive, 38 ft west of 138th Street, Flushing. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 90 ft, screened 80 to 85 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 73.0 ft above sea level. Measuring point: Top of casing, 0.30 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.76 ft above sea level, June 9, 1998; lowest measured, 10.54 ft above sea level, September 28, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

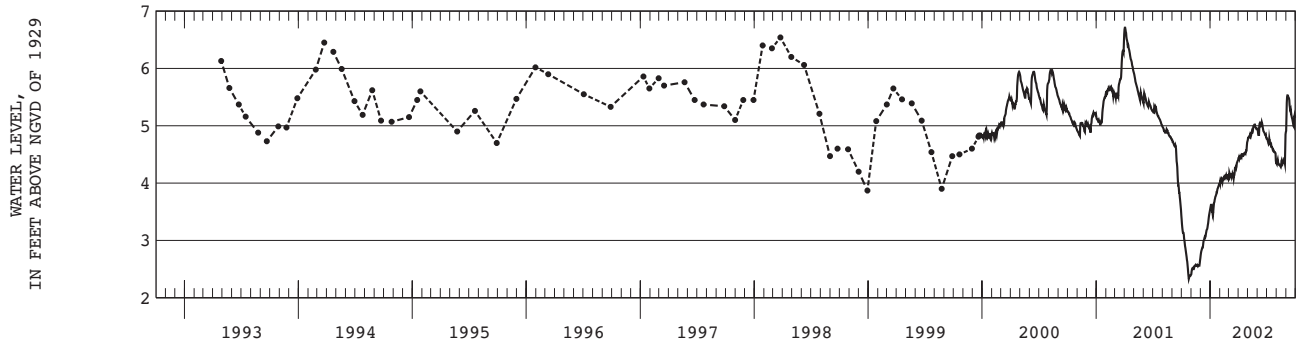
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.96	JAN 29	13.56	APR 26	13.20	JUL 17	13.07	SEP 24	13.23		
NOV 20	13.86	FEB 26	13.46	MAY 30	13.20	23	13.07				
DEC 27	13.68	MAR 19	13.32	JUN 24	13.16	AUG 28	12.96				



404027073464501. Local number, Q3658.1
LOCATION.--Lat 40°40'27", long 73°46'45", Hydrologic Unit 02030202, at north side of 132nd Avenue, east of 160th Street, Springfield Gardens. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 40 ft, screened 30 to 35 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 18.4 ft above sea level. Measuring point: Top of casing, 0.30 ft below land-surface datum.
REMARKS.--Water level affected by local dewatering.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft above sea level, April 2 and 3, 2001; lowest measured, 2.31 ft above sea level, October 24, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

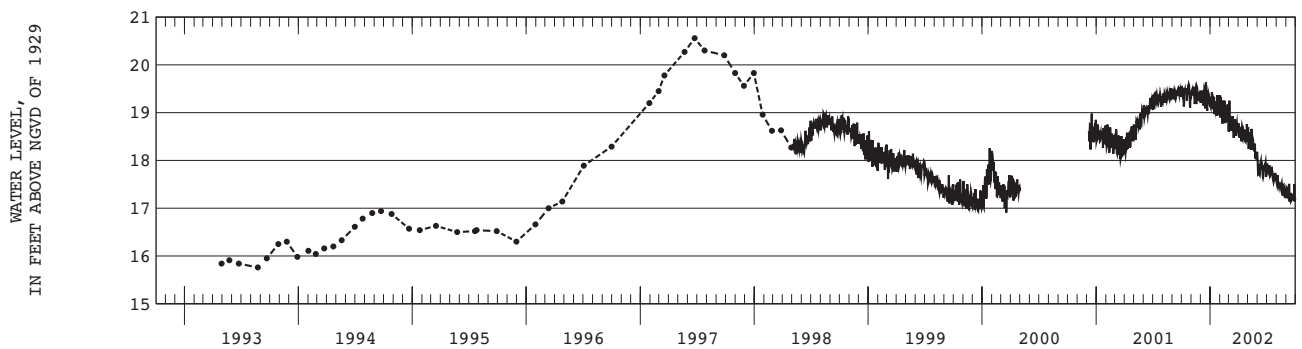
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.14	2.51	2.85	3.57	4.03	4.14	4.46	4.81	4.84	4.72	4.41	5.53
10	3.00	2.52	2.98	3.48	4.07	4.15	4.46	4.84	5.04	4.73	4.32	5.48
15	2.79	2.57	3.07	3.71	4.11	4.15	4.50	4.88	5.06	4.67	4.28	5.25
20	2.57	2.57	3.18	3.80	4.12	4.19	4.51	5.00	4.91	4.58	4.37	5.13
25	2.35	2.56	3.30	3.91	4.10	4.27	4.55	4.98	4.85	4.54	4.41	4.99
EOM	2.40	2.69	3.53	3.99	4.09	4.40	4.73	4.95	4.78	4.35	4.89	5.14
MEAN	2.76	2.55	3.10	3.73	4.08	4.20	4.51	4.90	4.93	4.63	4.39	5.25
MAX	3.37	2.69	3.53	3.99	4.14	4.40	4.73	5.02	5.06	4.78	4.89	5.53
MIN	2.33	2.41	2.74	3.48	3.99	4.06	4.43	4.75	4.78	4.35	4.28	4.91



404313073475201. Local number, Q3659.1
LOCATION.--Lat 40°43'13", long 73°47'52", Hydrologic Unit 02030201, at south side of intersection of Goethals Avenue and 170th Street, south of western entrance to Saint Johní's University, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 125 ft, screened 115 to 120 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 91.4 ft above sea level. Measuring point: Top of coupling, 0.28 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.56 ft above sea level, June 23, 1997; lowest measured, 15.76 ft above sea level, August 23, 1993.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

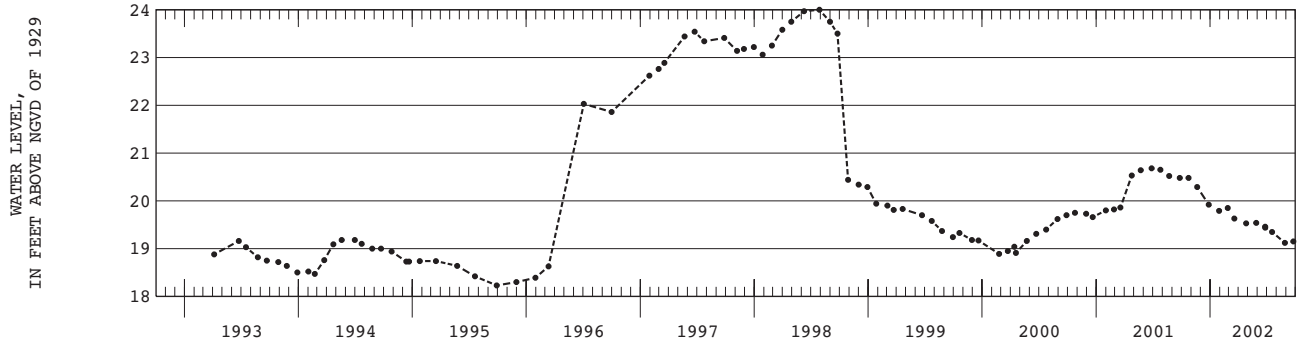
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.48	19.50	19.31	19.17	19.00	18.63	18.60	18.36	17.92	17.78	17.69	17.29
10	19.37	19.54	19.15	19.20	19.19	18.92	18.46	18.41	17.83	17.82	17.49	17.49
15	19.43	19.48	19.14	19.23	19.09	18.79	18.67	18.25	17.94	17.86	17.42	17.25
20	19.44	19.52	19.35	19.12	19.09	18.79	18.61	18.26	17.67	17.63	17.35	17.26
25	19.57	19.41	19.20	19.01	18.95	18.52	18.60	18.04	17.81	17.59	17.41	17.17
EOM	19.30	19.46	19.15	18.95	18.72	18.67	18.50	18.18	17.71	17.58	17.21	17.22
MEAN	19.40	19.39	19.30	19.16	19.05	18.74	18.57	18.32	17.83	17.74	17.44	17.28
MAX	19.59	19.54	19.63	19.43	19.36	19.25	18.78	18.70	18.06	17.90	17.69	17.50
MIN	19.10	19.18	19.04	18.94	18.72	18.47	18.39	18.04	17.64	17.57	17.21	17.14



404450073470301. Local number, Q3660.1
LOCATION.--Lat 40°44'50", long 73°47'03", Hydrologic Unit 02030201, at 53rd Avenue, in center grass median, 49 ft west of 195th Street, Springfield Gardens. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 90 ft, screened 80 to 85 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 66.0 ft above sea level. Measuring point: Top of coupling, 3.46 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.00 ft above sea level, July 28, 1998; lowest measured, 18.23 ft above sea level, September 28, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

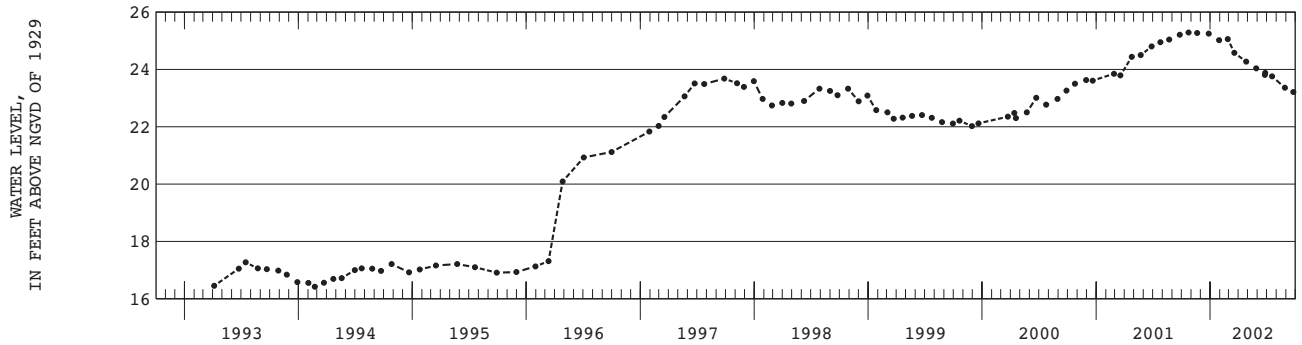
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	20.48	JAN 29	19.79	APR 26	19.53	JUN 26	19.44	SEP 24	19.15		
NOV 20	20.29	FEB 26	19.85	MAY 28	19.54	JUL 18	19.35				
DEC 27	19.92	MAR 19	19.63	JUN 26	19.46	AUG 28	19.12				



404357073462001. Local number, Q3661.1
LOCATION.--Lat 40°43'57", long 73°46'20", Hydrologic Unit 02030201, at east side of 199th Street, 250 ft north of Union Turnpike, Fresh Meadows. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 95 ft, screened 85 to 90 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 81.0 ft above sea level. Measuring point: Top of casing, 0.50 ft below land-surface datum.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.29 ft above sea level, October 23, 2001; lowest measured, 16.42 ft above sea level, February 22, 1994.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

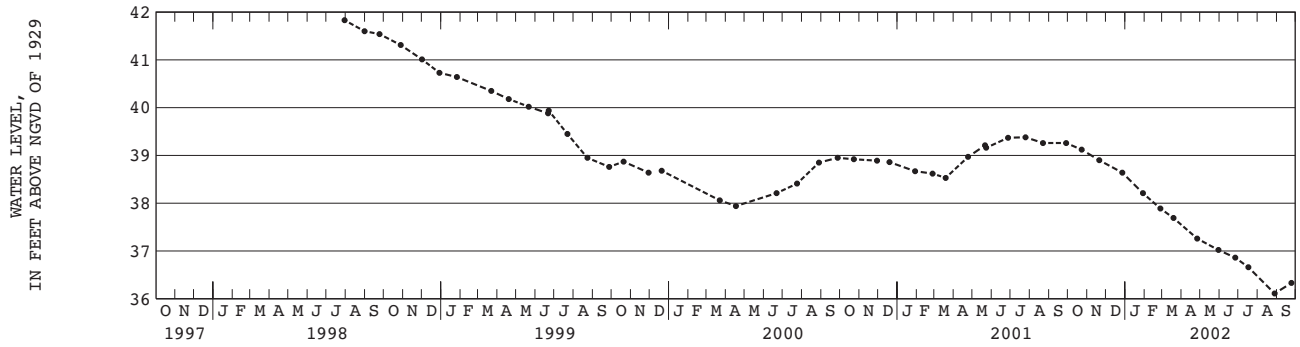
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.29	JAN 29	25.02	APR 26	24.27	JUN 26	23.88	SEP 24	23.21		
NOV 20	25.27	FEB 26	25.06	MAY 28	24.04	JUL 18	23.76				
DEC 27	25.25	MAR 19	24.58	JUN 25	23.81	AUG 28	23.36				



404459073422401. Local number, Q3804.1
LOCATION.--Lat 40°44'59", long 73°42'24", Hydrologic Unit 02030202, at intersection of Union Turnpike, 78th Avenue, and 268th Street, near center of grass triangle, Glen Oaks. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 155 ft, screened 105 to 115 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 121.0 ft above sea level. Measuring point: Top of casing, 0.54 ft below land-surface datum.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.83 ft above sea level, July 30, 1998; lowest measured, 36.11 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

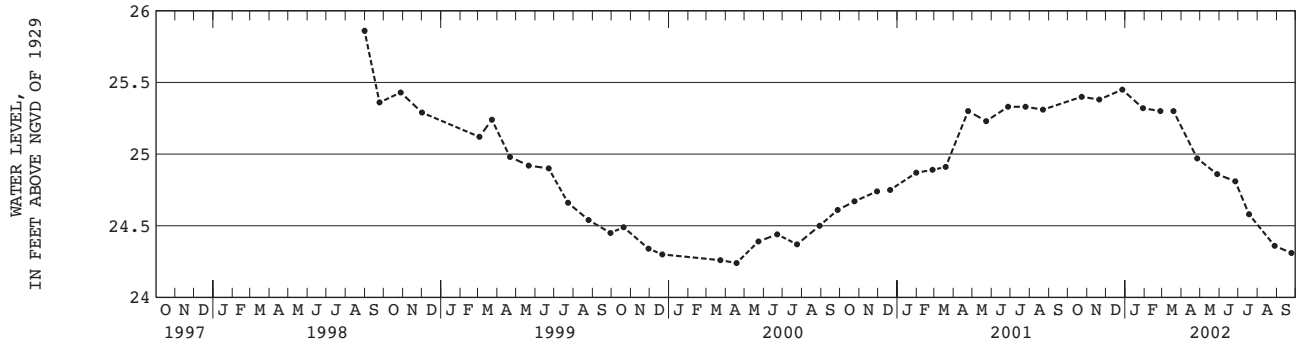
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	39.12	DEC 27	38.64	FEB 26	37.89	APR 26	37.26	JUN 26	36.86	AUG 28	36.11
NOV 20	38.90	JAN 29	38.21	MAR 19	37.69	MAY 30	37.02	JUL 17	36.66	SEP 24	36.33



404504073444401. Local number, Q3805.1
LOCATION.--Lat 40°45'04", long 73°44'44", Hydrologic Unit 02030201, at east side of 233rd Street, 128 ft south of West Alley Road, Alley Pond Park. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 115 ft, screened 100 to 110 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 112.0 ft above sea level. Measuring point: Top of casing, 0.27 ft below land-surface datum.
PERIOD OF RECORD.--August 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.86 ft above sea level, August 31, 1998; lowest measured, 24.24 ft above sea level, April 18, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

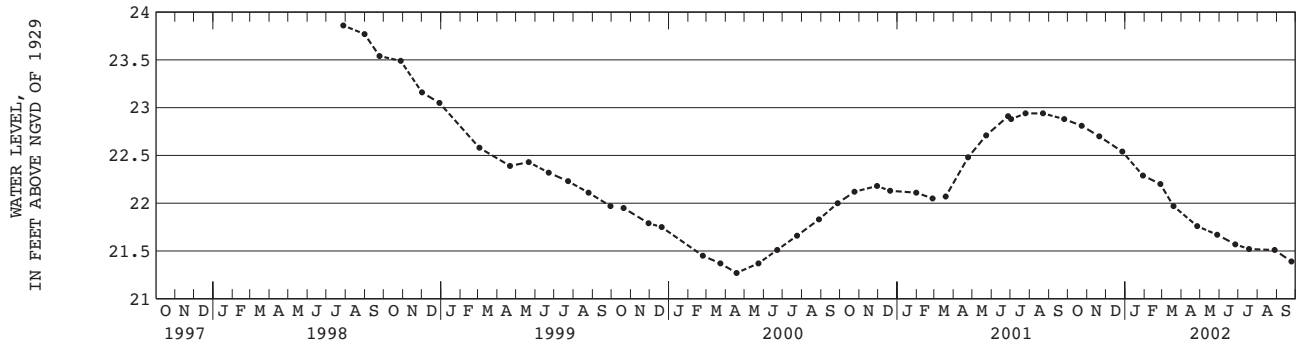
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.40	DEC 27	25.45	FEB 26	25.30	APR 26	24.97	JUN 26	24.81	AUG 28	24.36
NOV 20	25.38	JAN 29	25.32	MAR 19	25.30	MAY 28	24.86	JUL 18	24.58	SEP 24	24.31



404539073465301. Local number, Q3806.1
LOCATION.--Lat 40°45'39", long 73°46'53", Hydrologic Unit 02030201, at west side of 204th Street, 99 ft north of 42nd Avenue, Auburndale. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 70 to 80 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 84.0 ft above sea level. Measuring point: Top of casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.86 ft above sea level, July 28, 1998; lowest measured, 21.27 ft above sea level, April 18, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

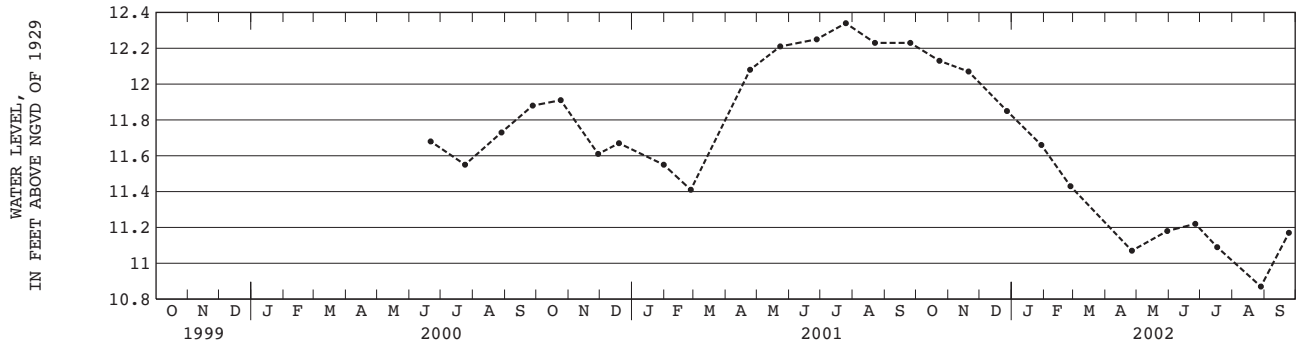
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	22.81	DEC 27	22.54	FEB 26	22.20	APR 26	21.76	JUN 26	21.57	AUG 28	21.51
NOV 20	22.70	JAN 29	22.29	MAR 19	21.97	MAY 28	21.67	JUL 18	21.52	SEP 24	21.39



404152073511302. Local number, Q3807.2
LOCATION.--Lat 40°41'52", long 73°51'13", Hydrologic Unit 02030202, at west side of Woodhaven Boulevard, 25 ft north of Park Lane South, Woodhaven. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 91.3 ft, screened 81.3 to 91.3 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 74.0 ft above sea level. Measuring point: Top of casing, 0.66 ft below land-surface datum.
REMARKS.--Replaced well Q3807.1 in June 2000 near same location.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.34 ft above sea level, July 25, 2001; lowest measured, 10.87 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

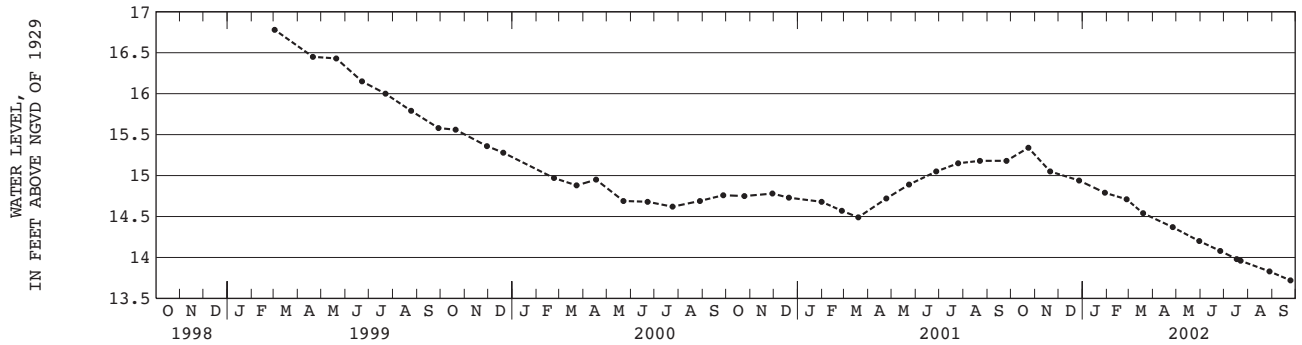
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	12.13	DEC 27	11.85	FEB 26	11.43	MAY 30	11.18	JUL 17	11.09	SEP 24	11.17
NOV 20	12.07	JAN 29	11.66	APR 26	11.07	JUN 26	11.22	AUG 28	10.87		



404232073524401. Local number, Q3808.1
LOCATION.--Lat 40°42'32", long 73°52'44", Hydrologic Unit 02030201, at west side of 73rd Place, between Cook Avenue and 69th Avenue, Middle Village. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 115 ft, screened 100 to 110 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 111.0 ft above sea level. Measuring point: Top of casing, 0.52 ft below land-surface datum.
PERIOD OF RECORD.--March 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.78 ft above sea level, March 2, 1999; lowest measured, 13.72 ft above sea level, September 24, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

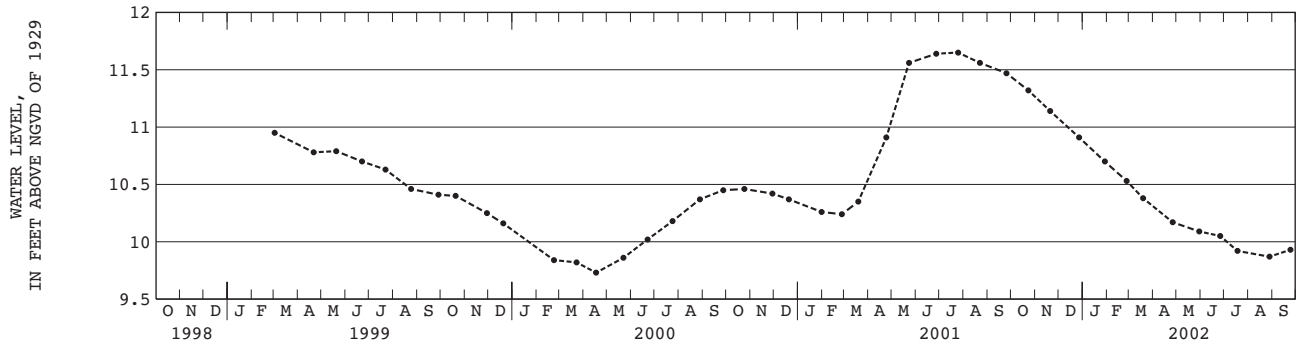
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.34	JAN 29	14.79	APR 26	14.37	JUL 17	13.98	SEP 24	13.72		
NOV 20	15.05	FEB 26	14.71	MAY 30	14.20	22	13.96				
DEC 27	14.94	MAR 19	14.54	JUN 26	14.08	AUG 28	13.83				



404407073551501. Local number, Q3809.1
LOCATION.--Lat 40°44'07", long 73°55'15", Hydrologic Unit 02030201, at south side of 51th Street, 30 ft east of 46th Street, Maspeth. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 95 ft, screened 80 to 90 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 90.5 ft above sea level. Measuring point: Top of casing, 0.40 ft below land-surface datum.
PERIOD OF RECORD.--March 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.65 ft above sea level, July 25, 2001; lowest measured, 9.73 ft above sea level, April 17, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

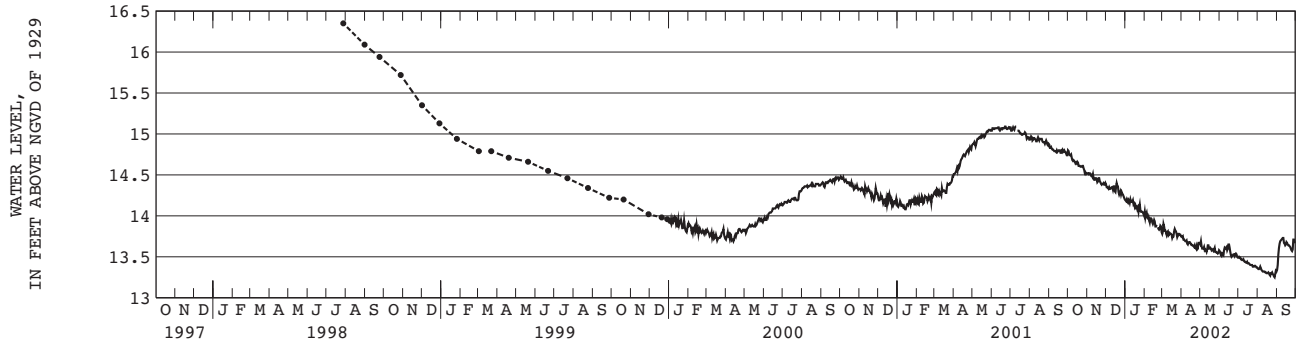
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	11.32	DEC 27	10.91	FEB 26	10.53	APR 26	10.17	JUN 26	10.05	AUG 28	9.87
NOV 20	11.14	JAN 29	10.70	MAR 19	10.38	MAY 30	10.09	JUL 18	9.92	SEP 24	9.93



404411073491601. Local number, Q3810.1
LOCATION.--Lat 40°44'11", long 73°49'16", Hydrologic Unit 02030201, at Queens College of the City University of New York, south of intersection with Reeves Avenue and 150th Street, opposite southwestern corner of tennis courts, Flushing. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 95 ft, screened 70 to 90 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 77.0 ft above sea level. Measuring point: Top of casing, 0.48 ft below land-surface datum.
PERIOD OF RECORD.--July 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.35 ft above sea level, July 28, 1998; lowest measured, 13.24 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

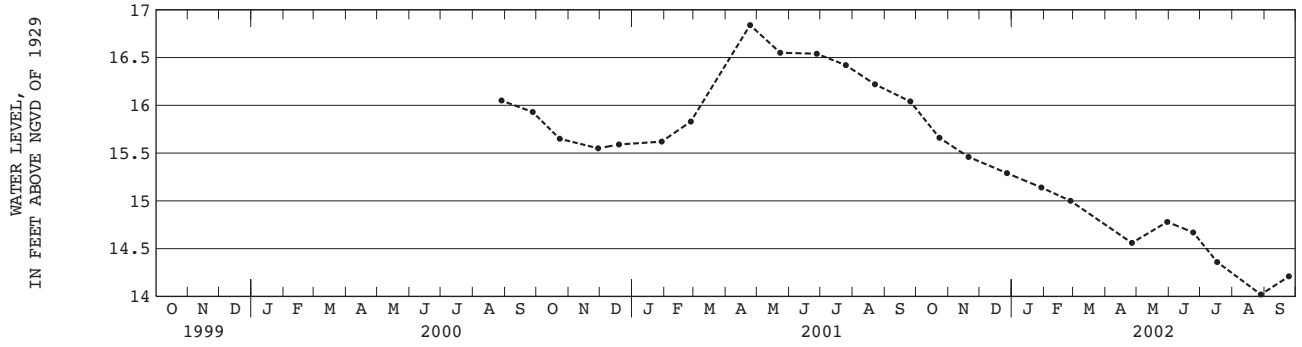
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.74	14.52	14.33	14.16	13.98	13.82	13.71	13.60	13.54	13.47	13.38	13.66
10	14.68	14.51	14.35	14.17	13.97	13.81	13.66	13.58	13.60	13.45	13.32	13.73
15	14.64	14.46	14.30	14.15	13.92	13.78	13.67	13.60	13.65	13.44	13.30	13.65
20	14.61	14.46	14.36	14.08	13.89	13.81	13.63	13.59	13.50	13.40	13.28	13.64
25	14.61	14.39	14.26	14.07	13.84	13.74	13.63	13.56	13.51	13.38	13.29	13.57
EOM	14.52	14.40	14.20	14.00	13.80	13.75	13.66	13.58	13.49	13.37	13.32	13.67
MEAN	14.64	14.45	14.32	14.12	---	13.79	13.66	13.59	13.55	13.43	13.31	13.64
MAX	14.80	14.52	14.40	14.20	---	13.90	13.75	13.69	13.65	13.50	13.38	13.73
MIN	14.51	14.38	14.20	14.00	---	13.73	13.59	13.54	13.49	13.37	13.25	13.34



404147073475301. Local number, Q3811.1
LOCATION.--Lat 40°41'47", long 73°47'50", Hydrologic Unit 02030202, at east side of 157th Street, 75 ft north of 107th Avenue, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 35 to 40 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 37.0 ft above sea level. Measuring point: Top of casing, 0.02 ft below land-surface datum.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.84 ft above sea level, April 24, 2001; lowest measured, 14.02 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

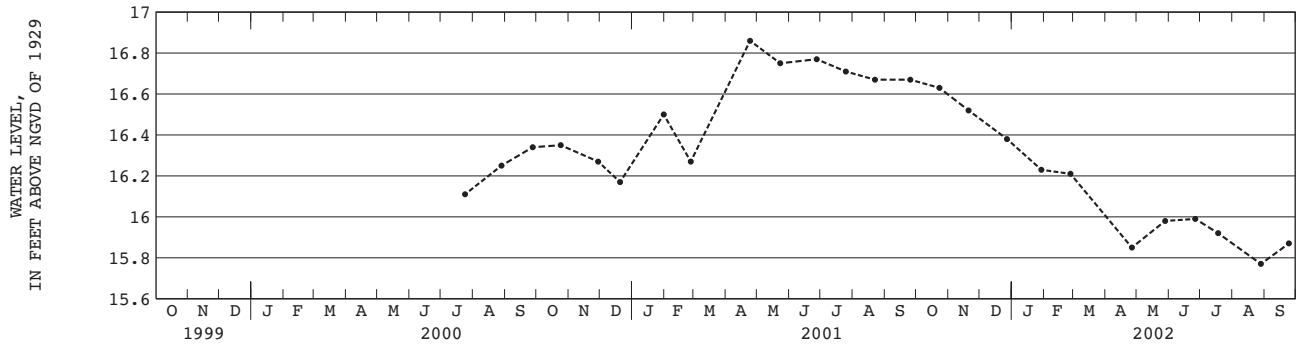
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.66	DEC 27	15.29	FEB 26	15.00	MAY 30	14.78	JUL 17	14.36	SEP 24	14.21
NOV 20	15.46	JAN 29	15.14	APR 26	14.56	JUN 24	14.67	AUG 28	14.02		



404509073485301. Local number, Q3812.1
LOCATION.--Lat 40°45'09", long 73°48'53", Hydrologic Unit 02030201, at south side of Jasmine Avenue, 40 ft east of Burling Street, Flushing. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 45 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 49.0 ft above sea level. Measuring point: Top of casing, 0.23 ft below land-surface datum.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.86 ft above sea level, April 24, 2001; lowest measured, 15.77 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

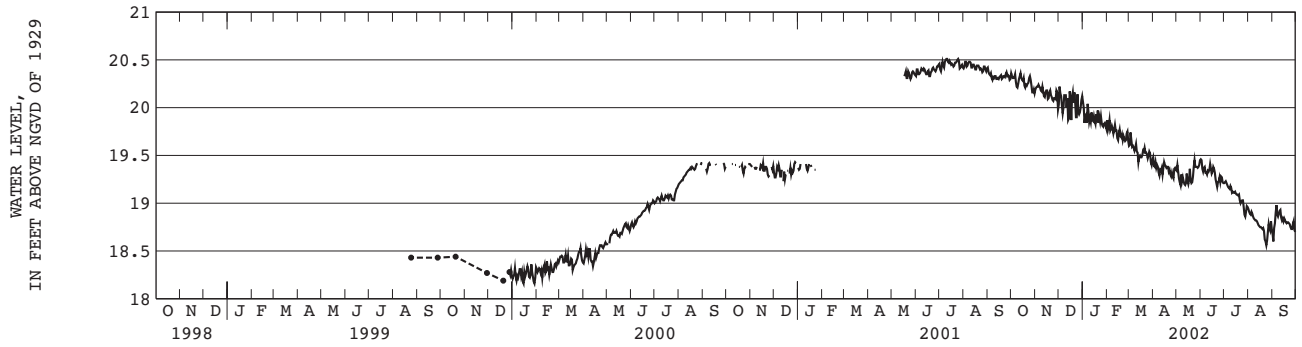
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.63	DEC 27	16.38	FEB 26	16.21	MAY 28	15.98	JUL 18	15.92	SEP 24	15.87
NOV 20	16.52	JAN 29	16.23	APR 26	15.85	JUN 26	15.99	AUG 28	15.77		



404233073471301. Local number, Q3813.1
LOCATION.--Lat 40°42'33", long 73°47'13", Hydrologic Unit 02030201, at south side of 91th Avenue, 50 ft west of 175th Street, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 75 ft, screened 70 to 75 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 58.9 ft above sea level. Measuring point: Top of casing, 0.49 ft below land-surface datum.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.51 ft above sea level, July 10 and 25, 2001; lowest measured, 18.14 ft above sea level, January 15 and 29, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

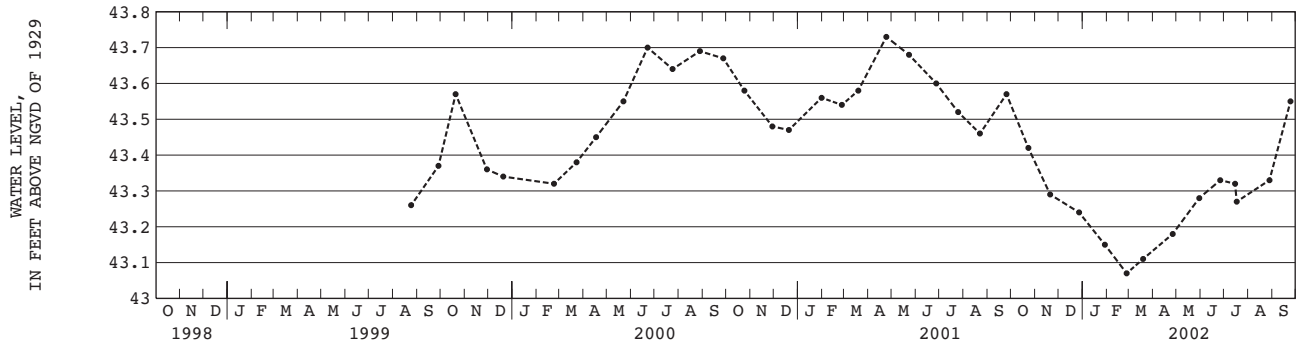
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.32	20.24	20.02	19.93	19.76	19.59	19.37	19.22	19.37	19.19	18.91	18.90
10	20.25	20.22	20.13	19.89	19.77	19.62	19.35	19.23	19.34	19.16	18.82	18.92
15	20.29	20.18	20.17	19.91	19.66	19.50	19.43	19.23	19.31	19.12	18.76	18.81
20	20.24	20.18	20.05	19.97	19.72	19.54	19.38	19.21	19.25	19.09	18.74	18.80
25	20.33	20.10	20.14	19.84	19.66	19.47	19.32	19.38	19.27	19.03	18.61	18.73
EOM	20.15	19.98	20.12	19.78	19.65	19.45	19.35	19.45	19.21	18.96	18.73	18.70
MEAN	20.27	20.15	20.04	19.88	19.74	19.54	19.36	19.30	19.31	19.08	18.77	18.80
MAX	20.36	20.24	20.22	20.06	19.87	19.74	19.48	19.45	19.46	19.23	18.94	18.98
MIN	20.15	19.98	19.87	19.78	19.65	19.40	19.26	19.19	19.17	18.86	18.56	18.60



404337073540301. Local number, Q3814.1
LOCATION.--Lat 40°43'37", long 73°54'03", Hydrologic Unit 02030201, at north side of 55th Avenue, 50 ft west of 65th Place, Maspeth. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 24 ft, screened 14 to 24 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 53.7 ft above sea level. Measuring point: Top of casing, 0.06 ft below land-surface datum.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.73 ft above sea level, April 24, 2001; lowest measured, 43.07 ft above sea level, February 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

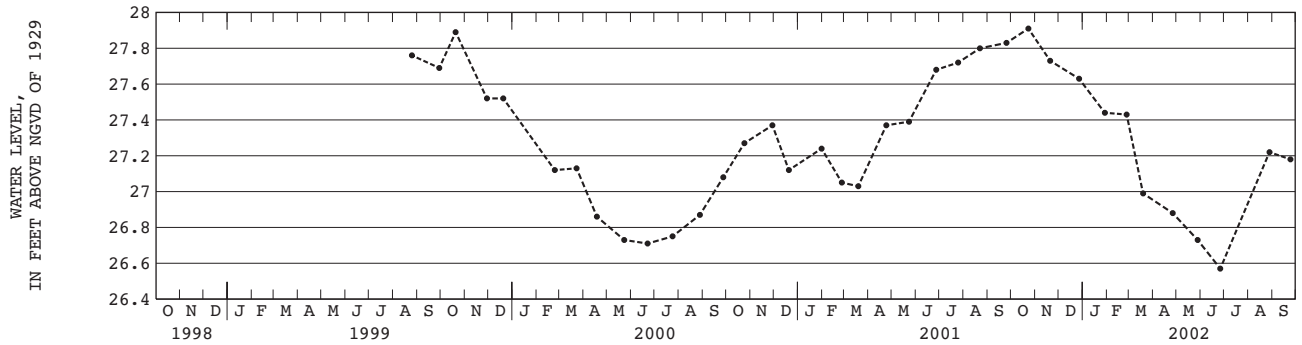
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	43.42	JAN 29	43.15	APR 26	43.18	JUL 15	43.32	SEP 24	43.55		
NOV 20	43.29	FEB 26	43.07	MAY 30	43.28	17	43.27				
DEC 27	43.24	MAR 19	43.11	JUN 26	43.33	AUG 28	43.33				



404617073483201. Local number, Q3815.1
LOCATION.--Lat 40°46'17", long 73°48'32", Hydrologic Unit 02030201, at south side of 29th Avenue, south of intersection with 156th Court, at north side of Bowne Park, Flushing. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 90 ft, screened 80 to 85 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 91.0 ft above sea level. Measuring point: Top of casing, 0.08 ft below land-surface datum.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.91 ft above sea level, October 23, 2001; lowest measured, 26.57 ft above sea level, June 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	27.91	DEC 27	27.63	FEB 26	27.43	APR 26	26.88	JUN 26	26.57	SEP 24	27.18
NOV 20	27.73	JAN 29	27.44	MAR 19	26.99	MAY 28	26.73	AUG 28	27.22		

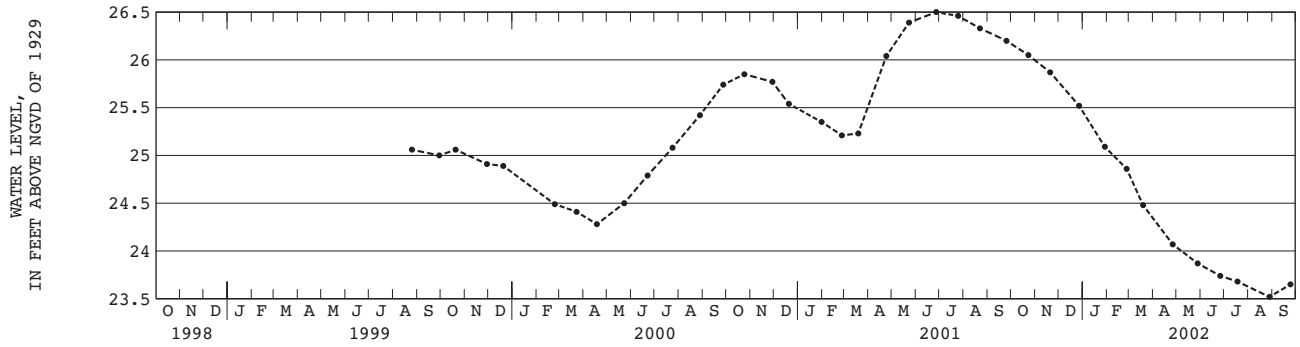


QUEENS COUNTY--Continued

404653073485301. Local number, Q3816.1
LOCATION.--Lat 40°46'53", long 73°48'53", Hydrologic Unit 02030201, at north side of 18th Avenue, 20 ft east of 150th Street, Whitestone. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 60 ft, screened 50 to 60 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 51.6 ft above sea level. Measuring point: Top of casing, 0.16 ft below land-surface datum.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.50 ft above sea level, June 27, 2001; lowest measured, 23.52 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

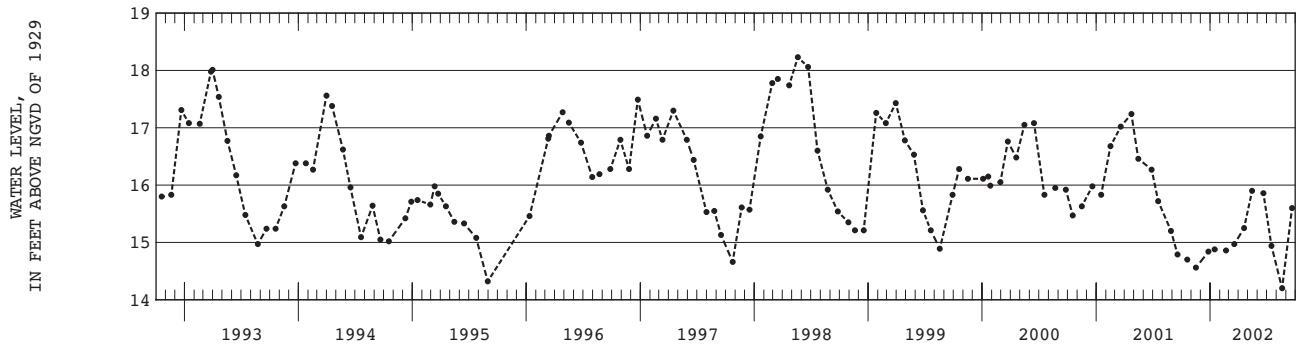
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	26.05	DEC 27	25.52	FEB 26	24.86	APR 26	24.07	JUN 26	23.74	AUG 28	23.52
NOV 20	25.87	JAN 29	25.09	MAR 19	24.48	MAY 28	23.87	JUL 18	23.68	SEP 24	23.65



404213073201004. Local number, S1803.4
LOCATION.--Lat 40°42'13", long 73°20'10", Hydrologic Unit 02030202, at north side of State Route 109, west of Little East Neck Road, on grass median, Babylon. Owner: New York State Department of Transportation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 1 1/4 in., depth 19 ft, screened 16 to 19 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 23.7 ft above sea level. Measuring point: Top of casing, 0.20 ft below land-surface datum.
REMARKS.--Replaced well S1803.3 in November 1975 near same location. Unpublished records from October 1912 to November 1914, August and September 1932, and June 1936 to September 1975, for wells S1803.1 to S1803.3 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.87 ft above sea level, May 23, 1983; lowest measured, 13.06 ft above sea level, July 26, 1976.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

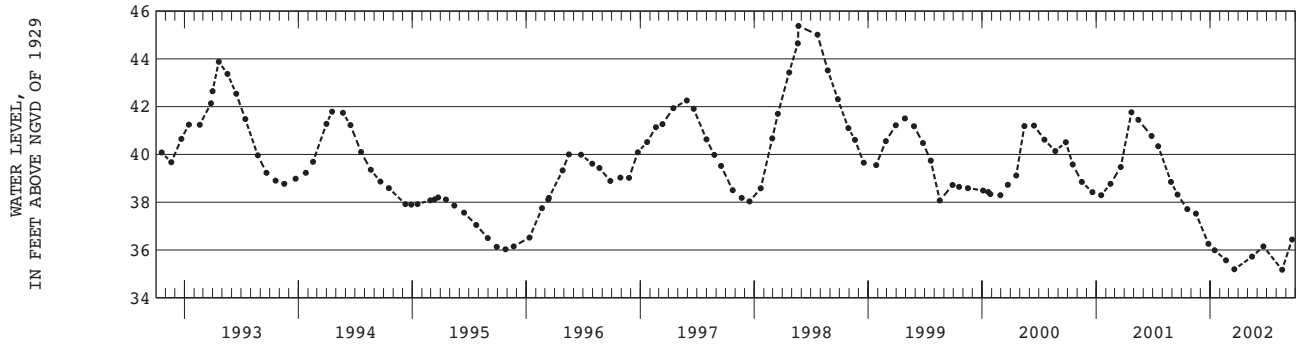
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	14.70	DEC 26	14.84	FEB 20	14.86	APR 19	15.25	JUN 20	15.86	AUG 19	14.20
NOV 16	14.56	JAN 15	14.88	MAR 19	14.97	MAY 15	15.90	JUL 16	14.94	SEP 20	15.60



404301073240904. Local number, S1805.4
LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at south side of State Route 109, west of Albany Avenue, Maywood. Owner: New York State Department of Transportation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 33 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 57.2 ft above sea level. Measuring point: Top of casing, 2.02 ft above land-surface datum.
REMARKS.--Replaced well S1805.3 in October 1953 near same location. Unpublished records from October 1912 to September 1975 for wells S1805.1 to S1805.3 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--October 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.47 ft above sea level, August 27, 1984; lowest measured, 35.17 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	37.71	DEC 26	36.26	FEB 20	35.57	MAY 15	35.72	AUG 19	35.17		
NOV 16	37.52	JAN 15	35.99	MAR 19	35.19	JUN 20	36.15	SEP 20	36.44		

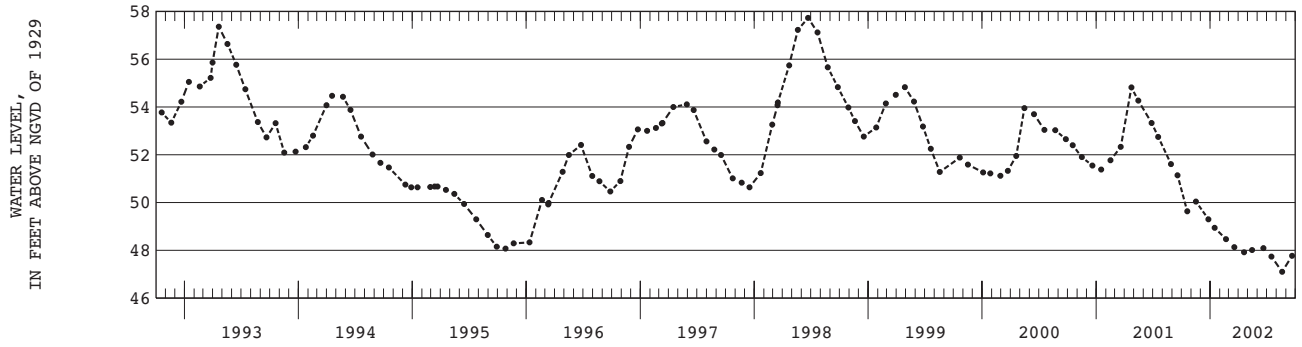


SUFFOLK COUNTY--Continued

404442073240503. Local number, S1806.3
LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at west side of Wellwood Avenue, north of Conklin Street, south of railroad tracks, Pinelawn. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 85.7 ft above sea level. Measuring point: Top of coupling, 0.19 ft below land-surface datum.
REMARKS--Replaced well S1806.2 in August 1977 near same location. Unpublished records for October 1912 to November 1914, and May to September 1975, for wells S1806.1 to S1806.2 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--August 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft above sea level, June 20, 1984; lowest measured, 47.10 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

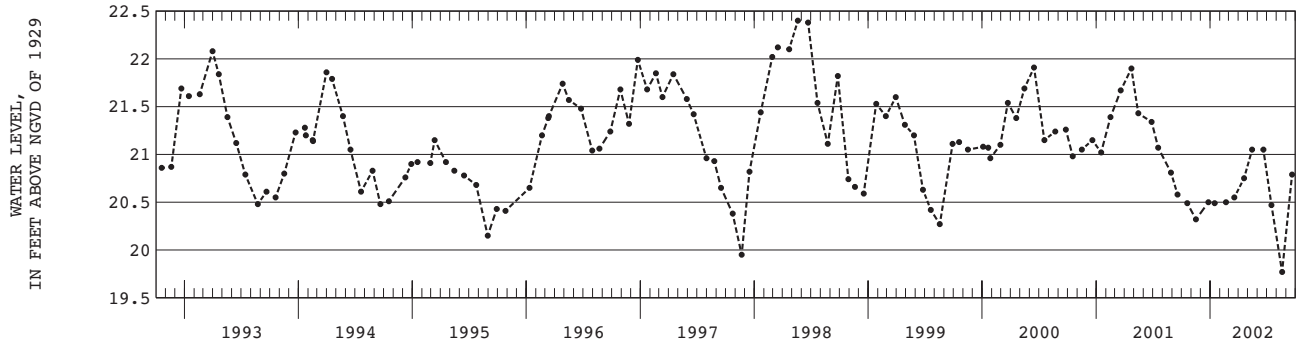
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	49.63	DEC 26	49.30	FEB 20	48.47	APR 19	47.92	JUN 20	48.09	AUG 19	47.10
NOV 16	50.04	JAN 15	48.94	MAR 19	48.13	MAY 15	48.01	JUL 16	47.74	SEP 20	47.77



404319073184701. Local number, S1807.6
LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at north side of Kimberly Place, west side of Higbie Lane, West Islip. Owner: Town of Islip.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 21 ft, screened 19 to 21 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 23.5 ft above sea level. Measuring point: Top of casing, 0.45 ft below land-surface datum.
REMARKS.--Replaced well S1807.5 in April 1992 near same location. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and June 1936 to September 1975, for wells S1807.1 to S1807.5 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--April 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft above sea level, May 20, 1998; lowest measured, 19.77 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	20.49	DEC 26	20.50	FEB 20	20.50	APR 19	20.75	JUN 20	21.05	AUG 19	19.77
NOV 16	20.32	JAN 15	20.49	MAR 19	20.55	MAY 15	21.05	JUL 16	20.47	SEP 20	20.79

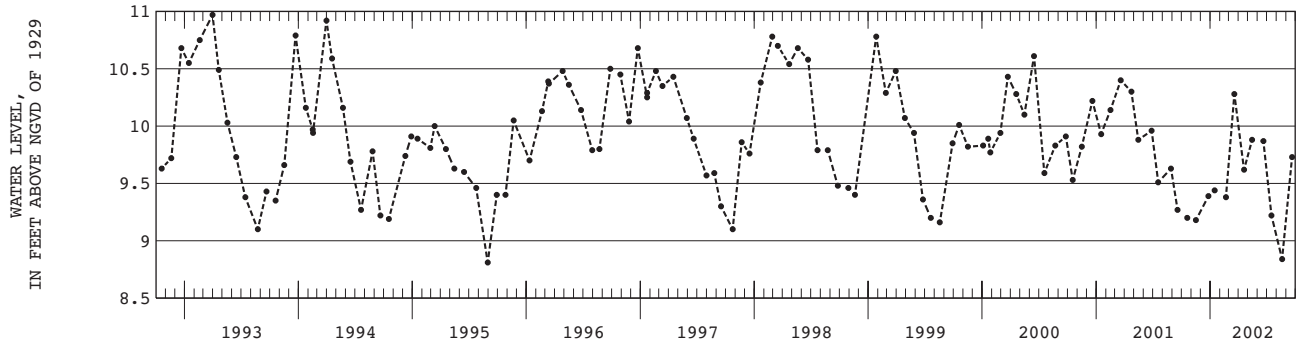


SUFFOLK COUNTY--Continued

404221073164905. Local number, S1808.5
LOCATION.--Lat 40°42'21", long 73°16'49", Hydrologic Unit 02030202, at west side of Manor Lane, 332 ft north of Thompson Drive, West Islip. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 11 ft, screened 10 to 11 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 13.5 ft above sea level. Measuring point: Top of coupling, 0.22 ft below land-surface datum.
REMARKS.--Replaced well S1808.4 in October 1989 near same location. Unpublished records from October 1912 to September 1975, for wells S1808.1 to S1808.4 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--October 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.18 ft above sea level, November 23, 1989; lowest measured, 8.81 ft above sea level, August 30, 1995

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

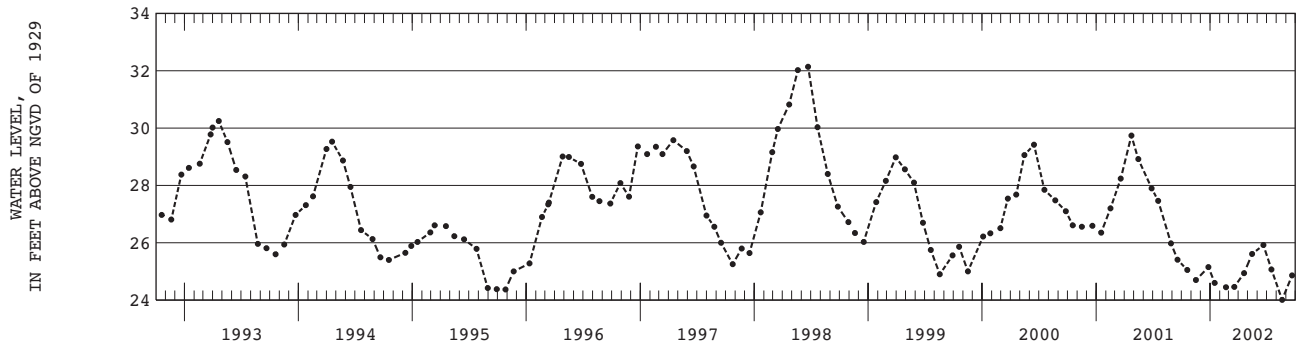
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.20	DEC 26	9.39	FEB 20	9.38	APR 19	9.62	JUN 20	9.87	AUG 19	8.84
NOV 16	9.18	JAN 15	9.44	MAR 19	10.28	MAY 15	9.88	JUL 16	9.22	SEP 20	9.73



404351073164904. Local number, S1809.4
LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at southeast corner of Muncey Road and Manor Lane, in recharge basin, Bay Shore. Owner: Town of Islip.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 29 ft, screened 26 to 29 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 42.0 ft above sea level. Measuring point: Top of coupling, 0.45 ft below land-surface datum.
REMARKS.--Replaced well S1809.3 in March 1981 near same location. Unpublished records for October 1912 to November 1914, and August 1932 to September 1975, for wells S1809.1 to S1809.3 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--March 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.97 ft above sea level, June 23, 1989; lowest measured, 24.01 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

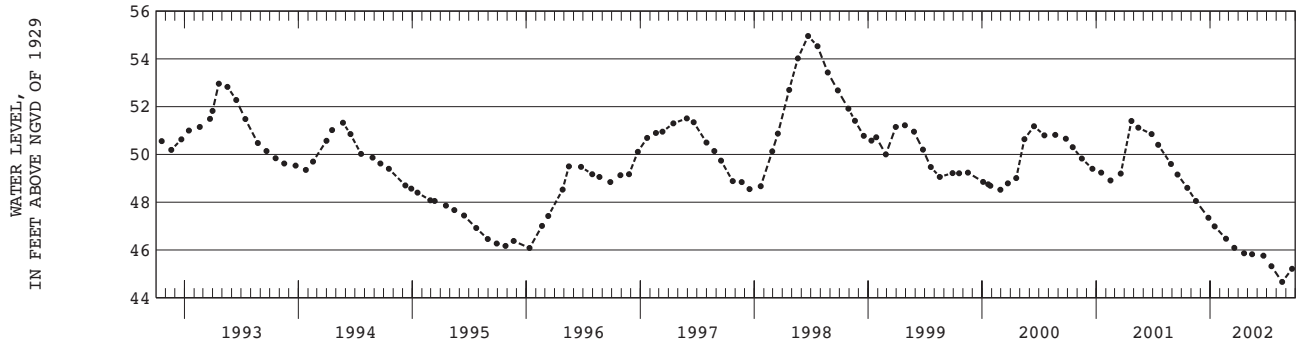
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	25.05	DEC 26	25.15	FEB 20	24.45	APR 19	24.94	JUN 20	25.92	AUG 19	24.01
NOV 16	24.70	JAN 15	24.60	MAR 19	24.46	MAY 15	25.61	JUL 16	25.07	SEP 20	24.86



404614073164404. Local number, S1810.4
LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at west side of North Gardiner Drive, south of Pine Aire Drive, in front of house 1712, Pine Aire. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 55 ft, screened 52 to 55 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 90.8 ft above sea level. Measuring point: Top of coupling, 0.25 ft below land-surface datum.
REMARKS.--Replaced well S1810.3 in November 1975 near same location. Unpublished records from October 1912 to November 1914, and August 1932 to September 1975, for wells S1810.1 to S1810.3 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.28 ft above sea level, July 23, 1984; lowest measured, 44.66 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

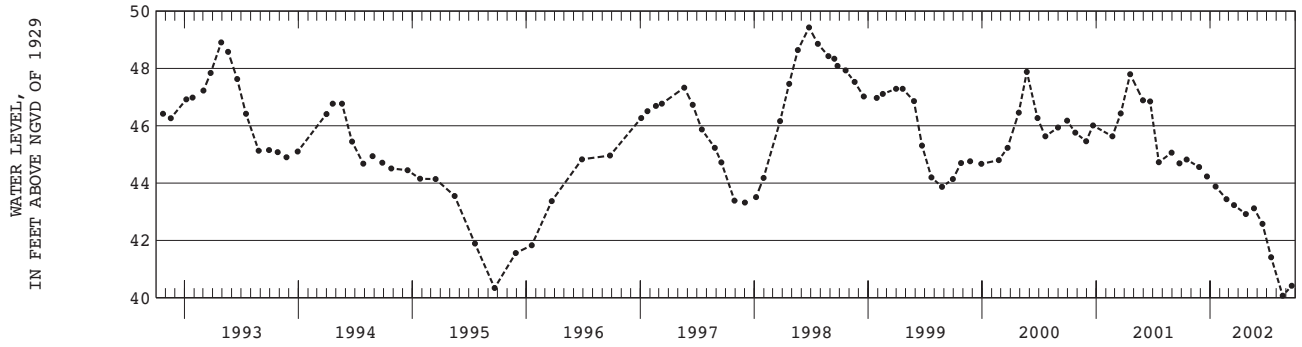
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	48.60	DEC 26	47.35	FEB 20	46.47	APR 19	45.86	JUN 20	45.76	AUG 19	44.66
NOV 16	48.05	JAN 15	46.99	MAR 19	46.09	MAY 15	45.82	JUL 16	45.32	SEP 20	45.21



404958073085001. Local number, S1812.3
LOCATION.--Lat 40°49'58", long 73°08'50", Hydrologic Unit 02030202, at southwest corner of Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 2 in., depth 50 ft, screened 46 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 69.9 ft above sea level. Measuring point: Top of coupling, 0.40 ft below land-surface datum.
REMARKS.--Replaced well S1812.2 in May 1982 near same location. Unpublished records from April 1937 to September 1975 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--May 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.34 ft above sea level, July 23, 1984; lowest measured, 40.07 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	44.82	DEC 21	44.23	FEB 22	43.44	APR 25	42.92	JUN 17	42.58	AUG 21	40.07
NOV 26	44.56	JAN 18	43.88	MAR 18	43.23	MAY 21	43.12	JUL 15	41.41	SEP 19	40.42

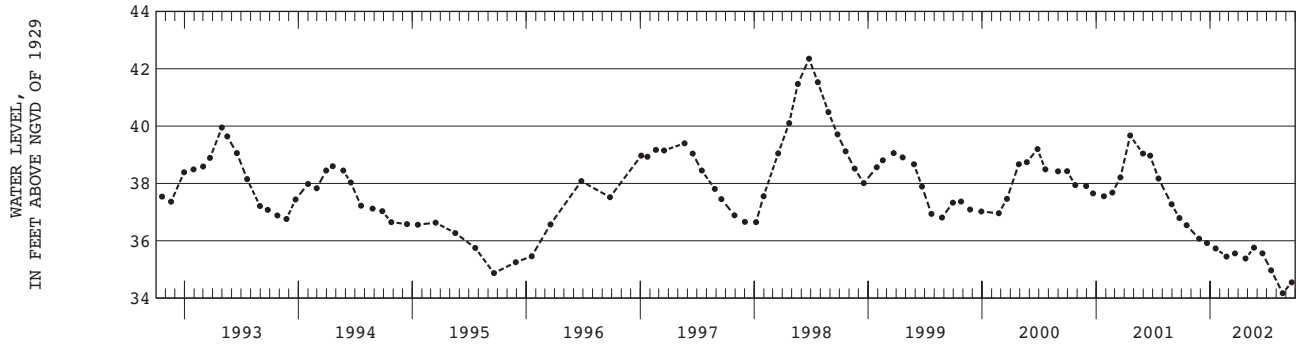


SUFFOLK COUNTY--Continued

404737073112303. Local number, S1814.3
LOCATION.--Lat 40°47'37", long 73°11'23", Hydrologic Unit 02030202, at northwest corner of Suffolk Avenue and Dovecott Lane, Central Islip. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 54 ft, screened 51 to 54 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 63.5 ft above sea level. Measuring point: Top of coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S1814.2 in May 1982 near same location, unpublished records from November 1939 to September 1975 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--September 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.35 ft above sea level, June 25, 1998; lowest measured, 34.17 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

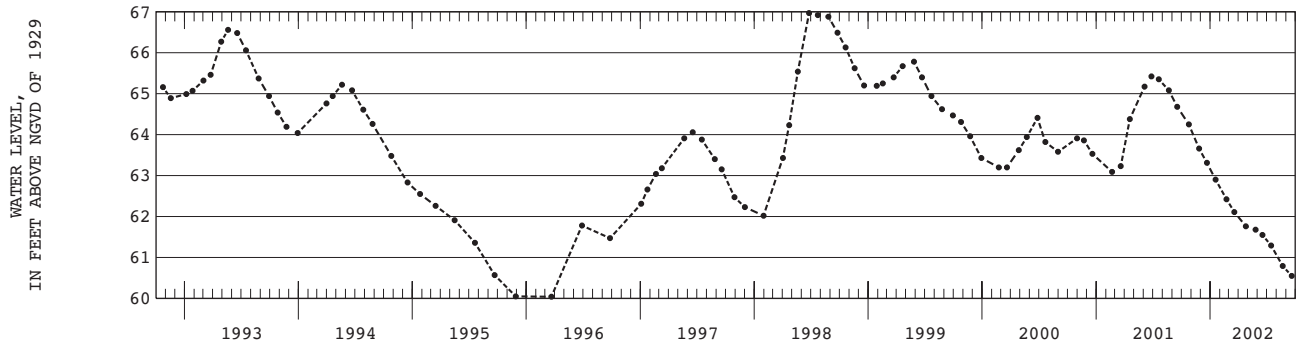
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	36.54	DEC 21	35.92	FEB 22	35.45	APR 24	35.38	JUN 17	35.56	AUG 21	34.17
NOV 26	36.07	JAN 18	35.73	MAR 21	35.56	MAY 21	35.76	JUL 15	34.97	SEP 19	34.55



405146073031801. Local number, S3513.1
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at south side of State Route 25, 235 ft west of High View Drive, Selden. Owner: New York Department of Transportation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 8 in. to 4 in., depth 65 ft, screened 63 to 65 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 101.0 ft above sea level. Measuring point: Top of 4-in to 1 $^{1}/_{4}$-in steel reducer, 1.31 ft above land-surface datum.
PERIOD OF RECORD.--April 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft above sea level, May 29, 1979; lowest measured, 56.06 ft above sea level, March 1, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

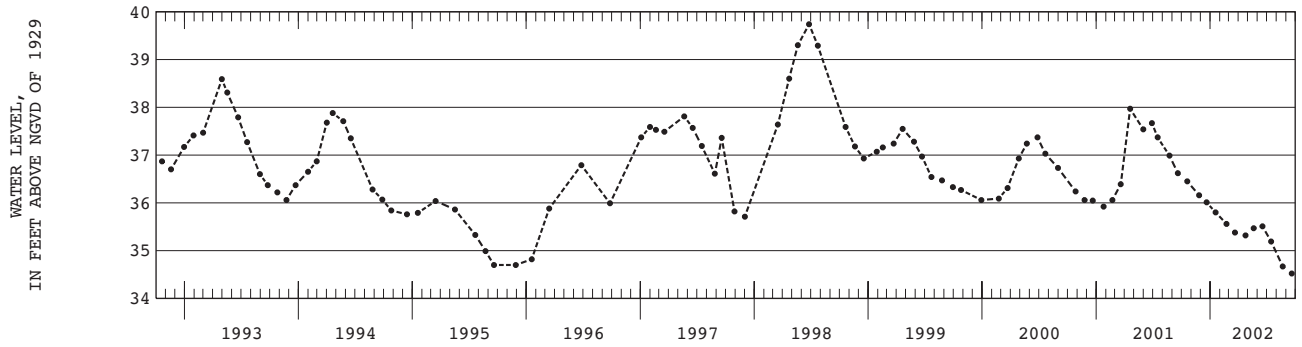
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	64.25	DEC 21	63.31	FEB 22	62.42	APR 25	61.76	JUN 17	61.55	AUG 21	60.79
NOV 26	63.66	JAN 18	62.90	MAR 19	62.11	MAY 26	61.68	JUL 15	61.29	SEP 19	60.55



404812073004101. Local number, S3521.1
LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at west side of Old Medford Avenue, 237 ft north of Cedar Avenue, Medford. Owner: Town of Brookhaven.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 71.8 ft above sea level. Measuring point: Top of casing, 0.35 ft above land-surface datum.
PERIOD OF RECORD.--January 1907 to current year. Unpublished records from January 1907 to July 1909, April 1942 to September 1975, are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft above sea level, March 27, 1979; lowest measured, 34.38 ft above sea level, October 26, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

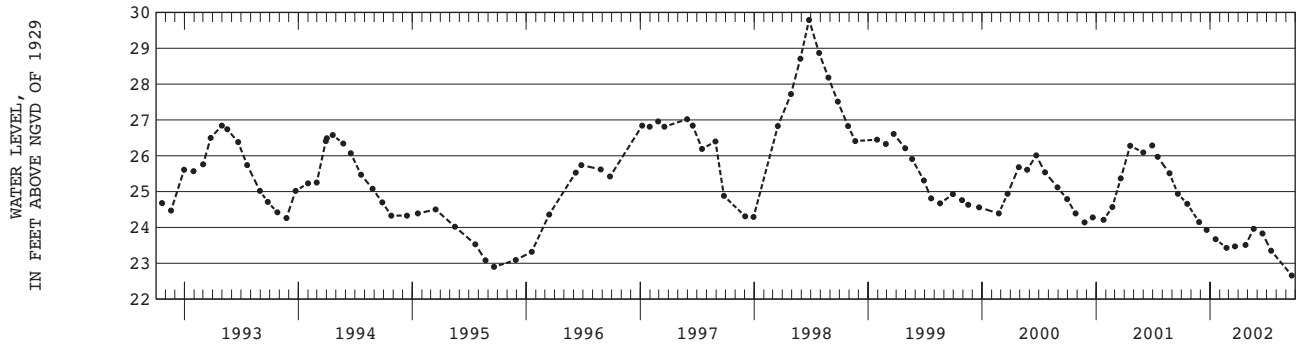
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	36.45	DEC 20	36.01	FEB 22	35.56	APR 24	35.32	JUN 17	35.51	AUG 21	34.67
NOV 26	36.16	JAN 18	35.80	MAR 21	35.38	MAY 20	35.47	JUL 15	35.19	SEP 19	34.52



404806072553802. Local number, S3529.2
LOCATION.--Lat 40°48'01", long 72°55'38", Hydrologic Unit 02030202, at entrance to Brookhaven Landfill, south of Horseblock Road, South Yapank. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 34.0 ft above sea level. Measuring point: Top of coupling, 3.11 ft above land-surface datum.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.79 ft above sea level, June 25, 1998; lowest measured, 22.66 ft above sea level, September 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	24.66	DEC 20	23.93	FEB 22	23.43	APR 24	23.51	JUN 17	23.83	SEP 19	22.66
NOV 26	24.15	JAN 18	23.67	MAR 21	23.47	MAY 20	23.96	JUL 15	23.35		

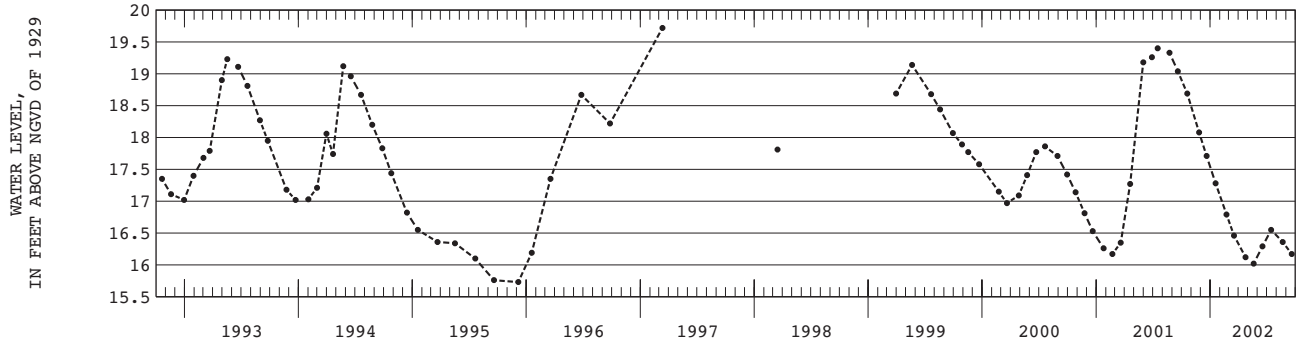


SUFFOLK COUNTY--Continued

405037072390301. Local number, S3543.1
LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at north side of Stewart Avenue, 0.25 mi west of Old Riverhead Road, 226 ft north on dirt path, West Hampton. Owner: City of New York.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 58 ft, screened 56 to 58 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 64.1 ft above sea level. Measuring point: Top of casing, 0.34 ft above land-surface datum.
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.53 ft above sea level, July 23, 1984; lowest measured, 14.94 ft above sea level, November 25, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

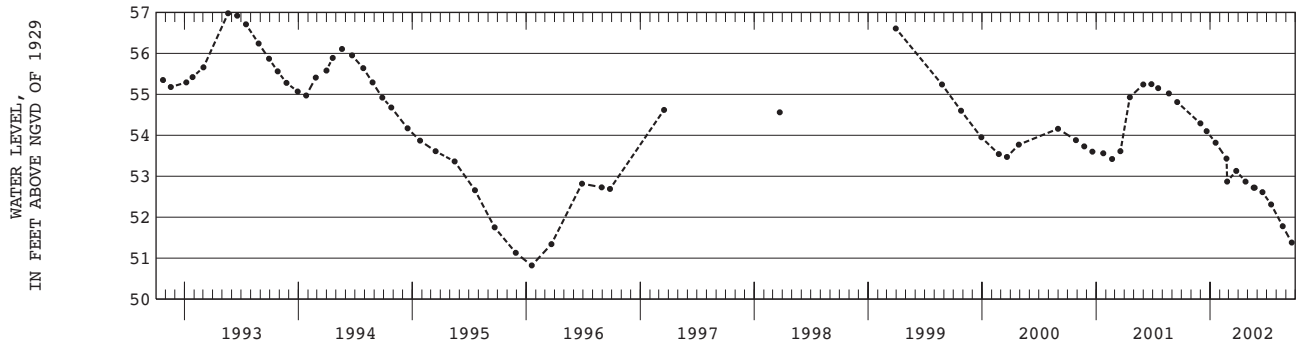
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	18.69	DEC 20	17.71	FEB 22	16.79	APR 24	16.12	JUN 17	16.29	AUG 21	16.36
NOV 26	18.08	JAN 18	17.28	MAR 18	16.46	MAY 20	16.02	JUL 15	16.55	SEP 19	16.17



405145072592501. Local number, S3870.1
LOCATION.--Lat 40°51'45", long 72°59'25", Hydrologic Unit 02030202, at south side of Coram Yapank Road, 115 ft west of Overton Road, Coram. Owner: Town of Brookhaven.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 43 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 87.0 ft above sea level. Measuring point: Top of casing, 1.11 ft above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.86 ft above sea level, June 27, 1979; lowest measured, 49.54 ft above sea level, October 26, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

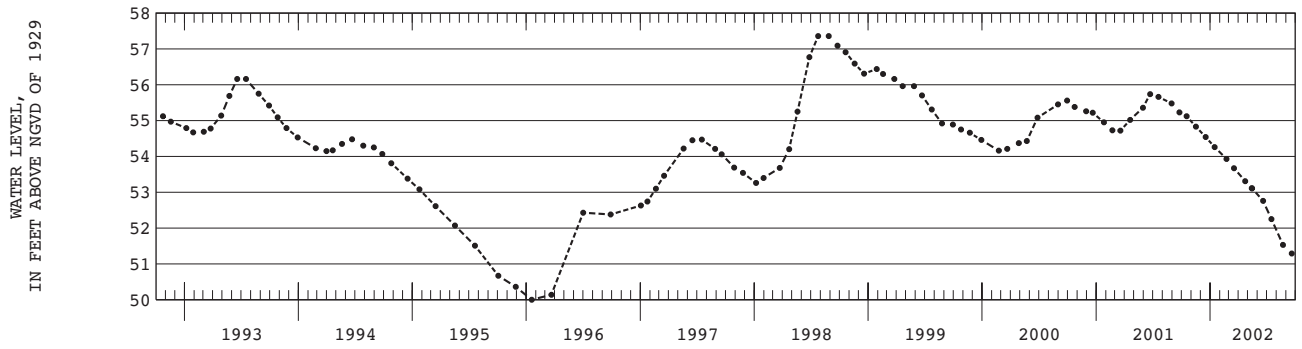
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	54.29	FEB 22	53.43	APR 24	52.87	JUN 17	52.61	SEP 19	51.38		
DEC 20	54.10	24	52.87	MAY 20	52.72	JUL 15	52.31				
JAN 18	53.82	MAR 25	53.13	23	52.72	AUG 21	51.78				



405343073055004. Local number, S3955.4
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at west side of Mark Tree Road, south of Pond Path, Setauket. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 123.0 ft above sea level. Measuring point: Top of coupling, 0.24 ft below land-surface datum.
REMARKS.--Replaced well S3955.3 in April 1975 near same location. Unpublished records from September 1944 to September 1975 are available in files of the Long Island Subdistrict Office.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft above sea level, June 21, 1979; lowest measured, 50.00 ft above sea level, January 18, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

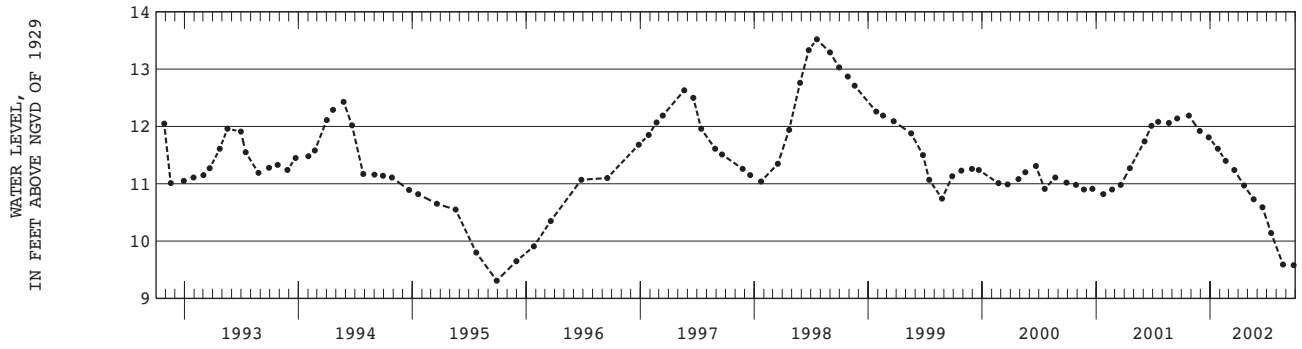
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	55.12	JAN 15	54.26	APR 23	53.31	JUN 19	52.76	SEP 19	51.29		
NOV 16	54.83	FEB 22	53.93	MAY 14	53.11	JUL 16	52.25				
DEC 17	54.54	MAR 18	53.67	15	53.11	AUG 22	51.53				



405743072425701. Local number, S4271.1
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, east of Horton Avenue, south of Sound Avenue, Riverhead. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 105 ft, screened 100 to 105 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 100.3 ft above sea level. Measuring point: Top of coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--August 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.25 ft above sea level, August 12, 1984; lowest measured, 8.16 ft above sea level, September 5, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.19	DEC 27	11.81	FEB 19	11.40	APR 19	10.97	JUN 17	10.59	AUG 22	9.59
NOV 28	11.92	JAN 25	11.61	MAR 19	11.24	MAY 20	10.73	JUL 15	10.14	SEP 25	9.58

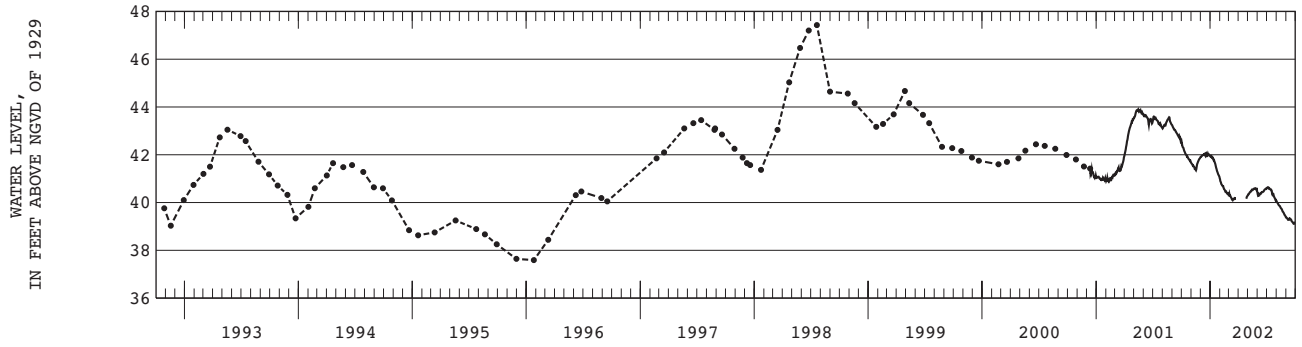


SUFFOLK COUNTY--Continued

405149072532201. Local number, S5517.1
LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at Brookhaven National Laboratory, northwest corner of Princeton Avenue and Upton Road, 77 ft south of parking field. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 91 ft, screened 85 to 91 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 115.0 ft above sea level. Measuring point: Top of casing, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.43 ft above sea level, July 20, 1998; lowest measured, 33.34 ft above sea level, March 1, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

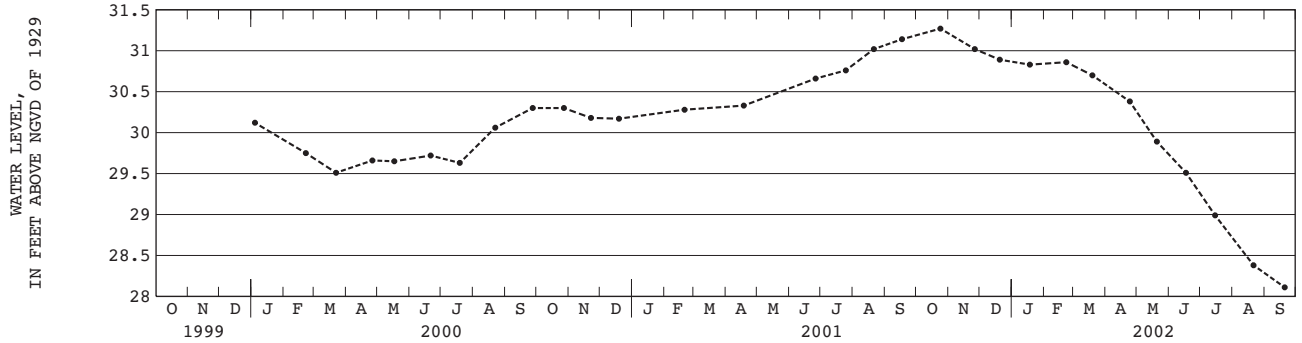
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.31	41.57	41.95	41.90	40.78	40.28	---	40.37	40.33	40.64	39.98	39.32
10	42.14	41.50	41.99	41.83	40.69	40.18	---	40.46	40.37	40.58	39.87	39.32
15	42.00	41.37	42.01	41.69	40.55	40.12	---	40.52	40.44	40.54	39.77	39.31
20	41.92	41.62	42.03	41.44	40.44	40.16	---	40.57	40.46	40.35	39.65	39.20
25	41.80	41.78	42.00	41.23	40.39	---	---	40.57	40.55	40.22	39.54	39.11
EOM	41.68	41.89	41.95	41.02	40.34	---	40.28	40.47	40.58	40.09	39.39	39.16
MEAN	42.03	41.60	41.99	41.57	40.59	---	---	40.49	40.43	40.42	39.74	39.25
MAX	42.54	41.89	42.05	41.94	40.98	---	---	40.59	40.58	40.64	40.07	39.37
MIN	41.68	41.35	41.91	41.02	40.34	---	---	40.30	40.29	40.07	39.39	39.11



405650072542002. Local number, S6411.2
LOCATION.--Lat 40°56'50", long 72°54'20", Hydrologic Unit 02030202, at south side of State Route 25A, 100 ft west of Ridge Road, Shoreham. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 140 ft, screened 130 to 140 ft.
INSTRUMENTATION.--Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.--Land-surface datum is 138.4 ft above sea level. Measuring point: Top of casing, 1.73 ft above land-surface datum.
REMARKS.--Replaced well S6411.1 in August 1999 near same location
PERIOD OF RECORD.--January 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.27 ft above sea level, October 24, 2001; lowest measured, 28.11 ft above sea level, September 20, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	31.27	DEC 20	30.89	FEB 22	30.86	APR 24	30.38	JUN 17	29.51	AUG 21	28.38
NOV 26	31.02	JAN 18	30.83	MAR 19	30.70	MAY 20	29.89	JUL 15	28.99	SEP 20	28.11

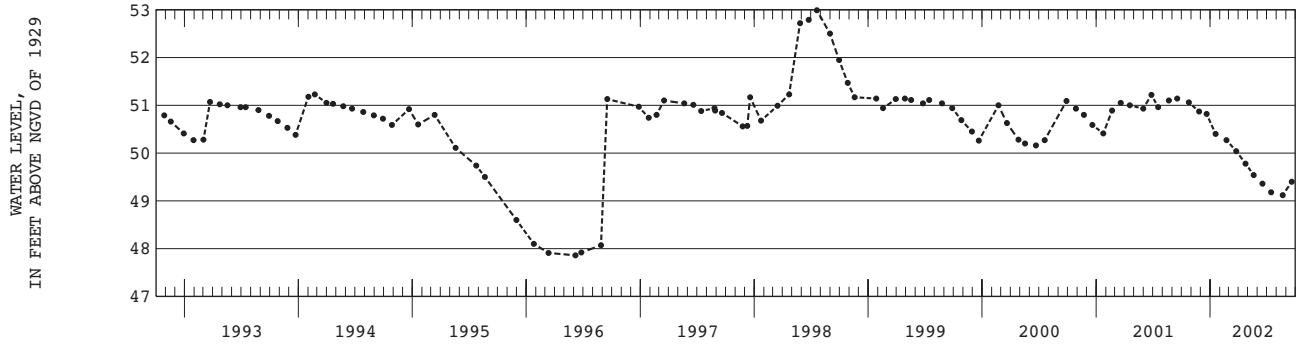


SUFFOLK COUNTY--Continued

405308072553101. Local number, S6413.1
LOCATION.--Lat 40°53'08", long 72°55'31", Hydrologic Unit 02030202, at south side of State Route 25, 70 ft east of Woodville Road, Middle Island. Owner: New York State Department of Transportation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 108 ft, screened 103 to 108 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 93.8 ft above sea level. Measuring point: Top of steel meter box rim at yellow arrow, 0.13 ft above land-surface datum.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.16 ft above sea level, April 12, 1979; lowest measured, 42.40 ft above sea level, March 1, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

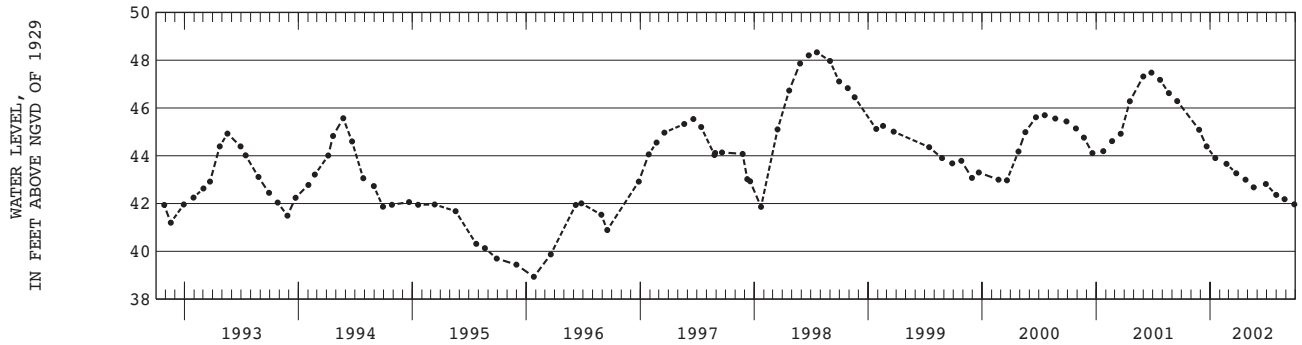
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.06	DEC 20	50.82	FEB 22	50.27	APR 24	49.78	JUN 17	49.36	AUG 21	49.12
NOV 26	50.87	JAN 18	50.40	MAR 25	50.04	MAY 20	49.54	JUL 15	49.18	SEP 19	49.40



405222072523301. Local number, S6431.1
LOCATION.--Lat 40°52'23", long 72°52'36", Hydrologic Unit 02030202, at Brookhaven National Laboratory, northwest corner of Thomson Road and Forth Avenue, Upton. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 125 ft, screened 121 to 125 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 87.7 ft above sea level. Measuring point: Top of casing, 1.48 ft below land-surface datum.
PERIOD OF RECORD.--January 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.98 ft above sea level, April 12, 1979; lowest measured, 38.93 ft above sea level, January 25, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	45.09	JAN 17	43.90	MAR 25	43.27	MAY 20	42.68	JUL 31	42.36	SEP 27	41.97
DEC 20	44.39	FEB 22	43.66	APR 24	43.00	JUN 28	42.82	AUG 27	42.18		

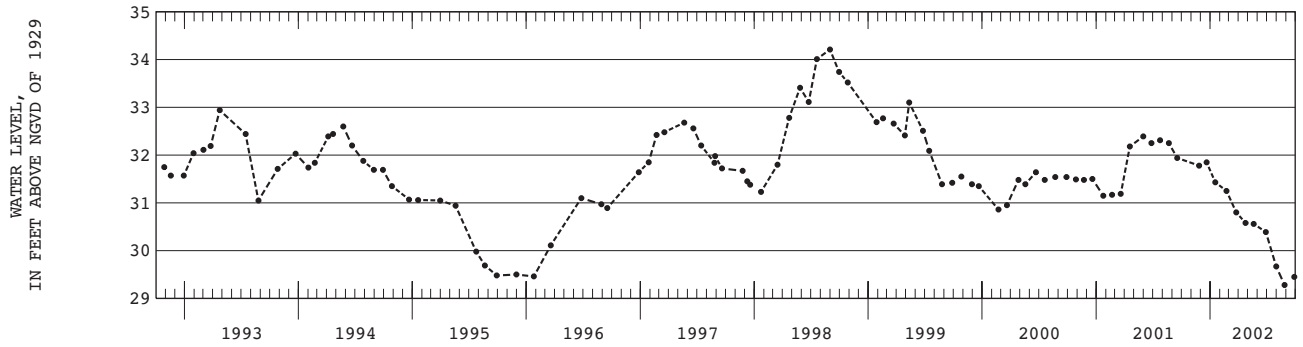


SUFFOLK COUNTY--Continued

405223072523401. Local number, S6434.1
LOCATION.--Lat 40°42'23", long 72°52'34", Hydrologic Unit 02030202, at Brookhaven National Laboratory, northeast corner of Thomson Road and Forth Avenue, 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 85.0 ft above sea level. 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 above sea level, July 12, 1979; lowest measured, 28.74 ft above sea level, March 1, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

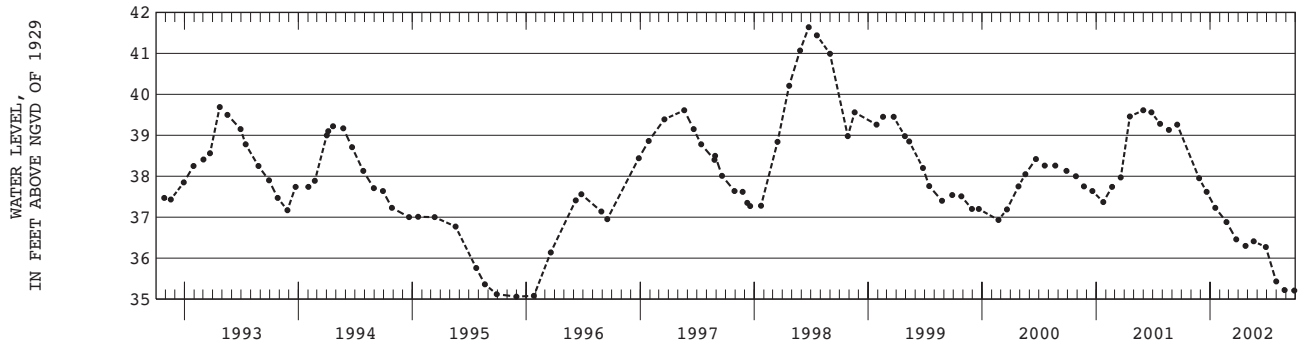
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	31.78	JAN 17	31.43	MAR 25	30.80	MAY 20	30.56	JUL 31	29.67	SEP 27	29.45
DEC 20	31.85	FEB 22	31.25	APR 24	30.58	JUN 28	30.39	AUG 27	29.28		



405223072523402. Local number, S6455.1
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at Brookhaven National Laboratory, northeast corner of Thomson Road and Forth Avenue, 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 85.0 ft above sea level. Measuring point: Top of casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.50 ft above sea level, April 2, 1979; lowest measured, 33.82 ft above sea level, December 27, 1966 and March 1, 1967.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	37.95	JAN 17	37.23	MAR 25	36.46	MAY 20	36.41	JUL 31	35.43	SEP 27	35.21
DEC 20	37.62	FEB 22	36.88	APR 24	36.30	JUN 28	36.27	AUG 27	35.22		

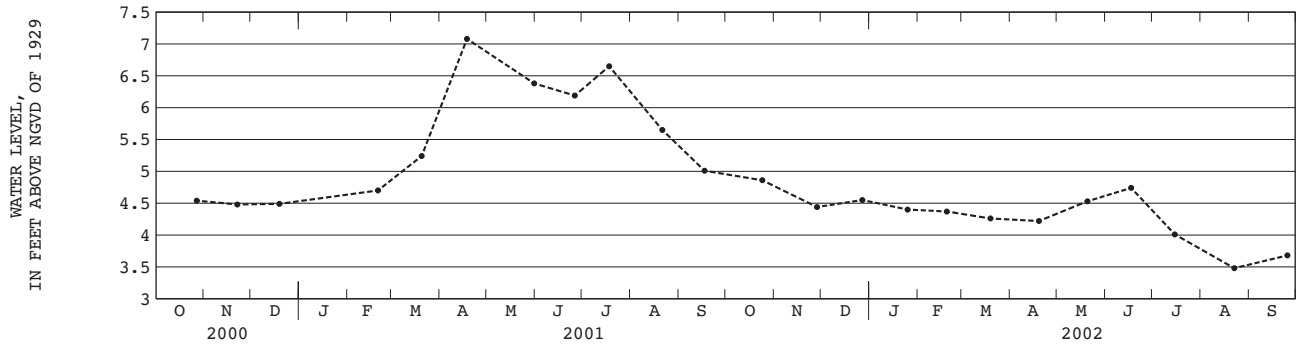


SUFFOLK COUNTY--Continued

405830072331502. Local number, S6558.2
LOCATION.--Lat 40°58'30", long 72°33'15", Hydrologic Unit 02030201, at north side of Main Road (State Route 25), east side of access road to Laurel Lake, at southwest corner of baseball field, Mattituck. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 45 ft, screened 35 to 45 ft.
INSTRUMENTATION.--Measurement with chalked tape by U.S. Geological Survey personnel.
DATUM.--Land-surface datum is 38.0 ft above sea level. Measuring point: Top of casing, 0.12 ft below land-surface datum.
PERIOD OF RECORD.--July 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.08 ft above sea level, April 18, 2001; lowest measured, 3.48 ft above sea level, August 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

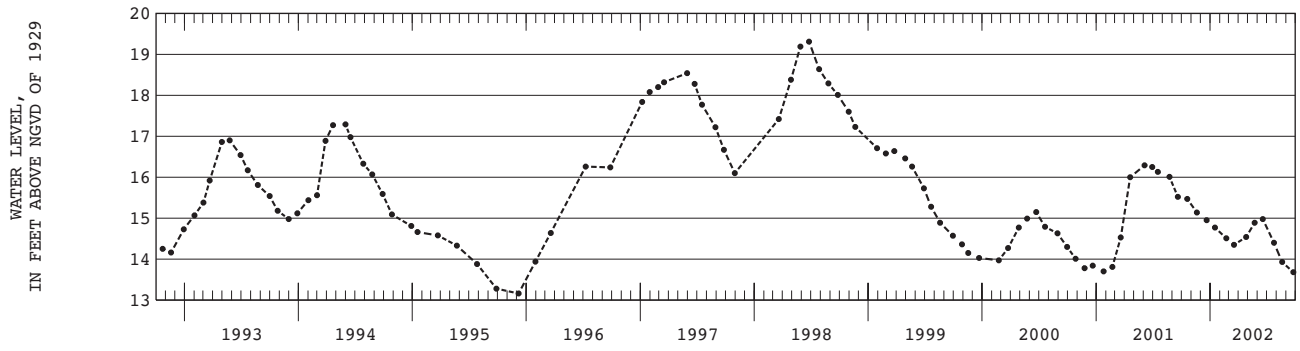
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.86	DEC 27	4.55	FEB 19	4.37	APR 19	4.22	JUN 17	4.74	AUG 22	3.48
NOV 28	4.44	JAN 25	4.40	MAR 19	4.26	MAY 20	4.53	JUL 15	4.01	SEP 25	3.68



405756072173501. Local number, S8833.1
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at west side of Toppings Path, east side of 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 20.0 ft above sea level. Measuring point: Top of casing, 0.58 ft above land-surface datum.
REMARKS.--Water-level elevations from December 29, 1988 to December 23, 2002 were reported as 1.05 ft. higher than actual levels. This was due to a discrepancy in the measuring-point elevation of the well, which was not accounted for in the computer data records. Water-level elevations for the period in question were corrected in January 2003.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.36 ft above sea level, June 25, 1998; lowest measured, 12.84 ft above sea level, March 29, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	15.47	DEC 20	14.95	FEB 21	14.51	APR 26	14.54	JUN 18	14.98	AUG 19	13.93
NOV 19	15.14	JAN 16	14.77	MAR 18	14.35	MAY 23	14.89	JUL 24	14.40	SEP 24	13.68

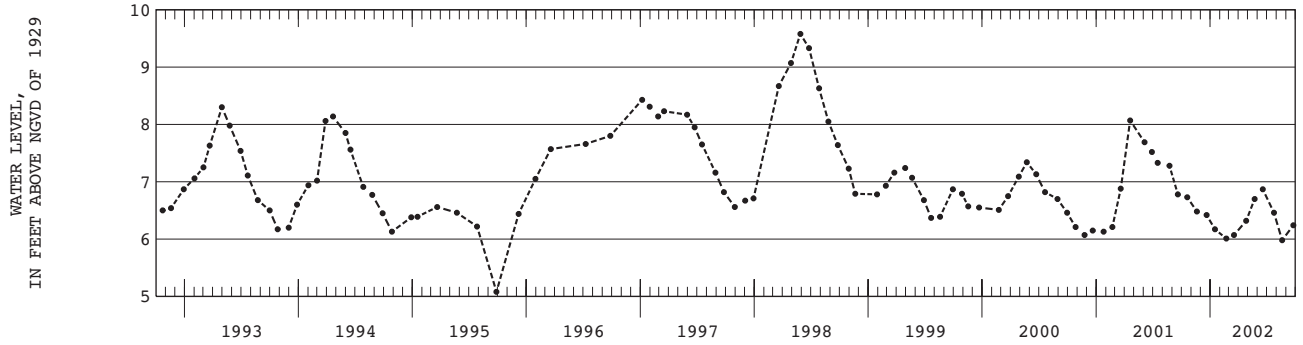


SUFFOLK COUNTY--Continued

405309072233101. Local number, S8836.1
LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at south side of Nugent Street, 399 ft east of Windmill Lane, Southampton. Owner: Southampton Fire Department.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 8 in., depth 37 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 18.0 ft above sea level. Measuring point: Top edge of 8-in steel casing, inside elbow extension, 0.87 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.58 ft above sea level, May 28, 1998; lowest measured, 4.93 ft above sea level, August 30, 1968

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

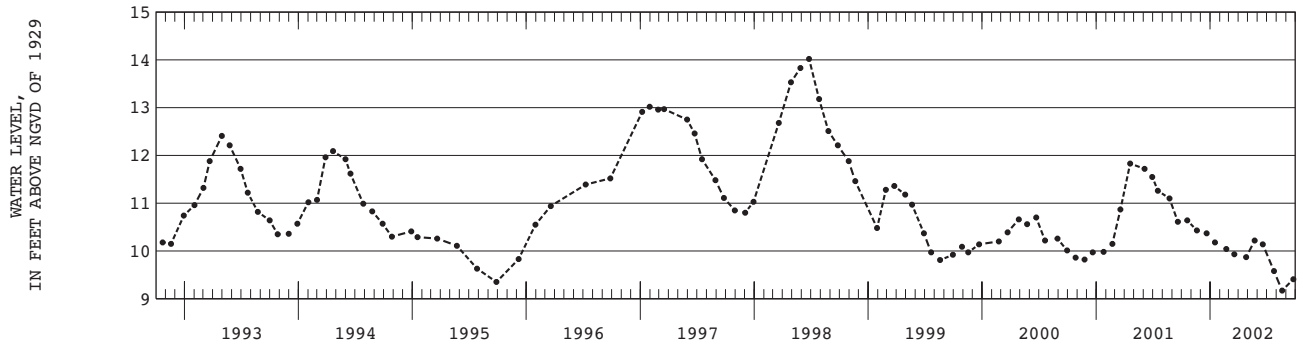
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	6.73	DEC 20	6.42	FEB 21	6.01	APR 26	6.32	JUN 18	6.87	AUG 19	5.98
NOV 19	6.48	JAN 16	6.17	MAR 18	6.07	MAY 23	6.70	JUL 24	6.46	SEP 24	6.24



405628072164701. Local number, S8838.1
LOCATION.--Lat 40°56'28", long 72°16'47", Hydrologic Unit 02030202, at west side of Sagg Road, 153 ft north of Montauk Highway (State Route 27), Bridgehampton. Owner: Bridgehampton Fire Department.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 6 in., depth 46 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 28.0 ft above sea level. Measuring point: Top edge of 6-in steel casing, inside elbow extension, 0.40 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.02 ft above sea level, June 25, 1998; lowest measured, 8.84 ft above sea level, August 8, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

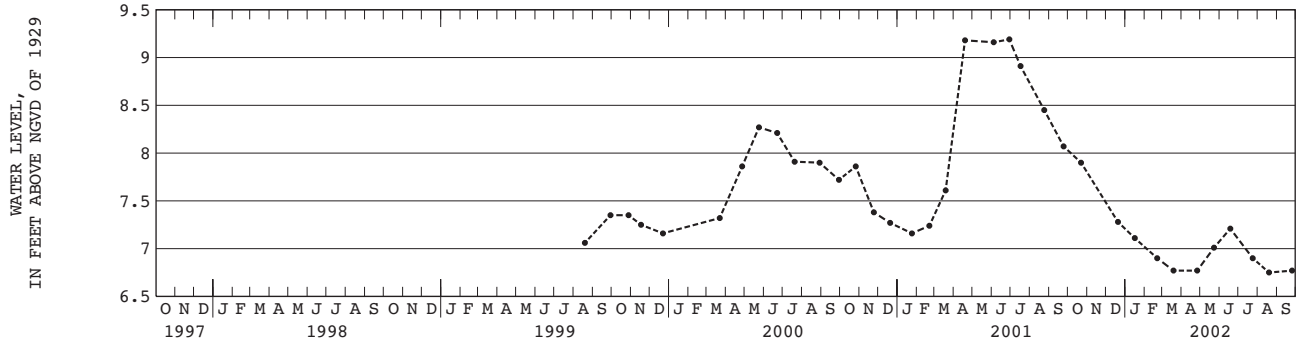
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	10.64	DEC 20	10.37	FEB 21	10.04	APR 26	9.87	JUN 18	10.14	AUG 19	9.17
NOV 19	10.43	JAN 16	10.18	MAR 19	9.93	MAY 23	10.22	JUL 24	9.58	SEP 24	9.41



405829072084302. Local number, S8839.2
LOCATION.--Lat 40°58'29", long 72°08'43", Hydrologic Unit 02030202, at west side of Windmill Lane, 0.1 mi north of State Route 27, Amaganset. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 50 ft, screened 40 to 50 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 37.0 ft above sea level. Measuring point: Top of casing, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S8839.1 in August 1999 near same location.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.19 ft above sea level, June 29, 2001; lowest measured, 6.75 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

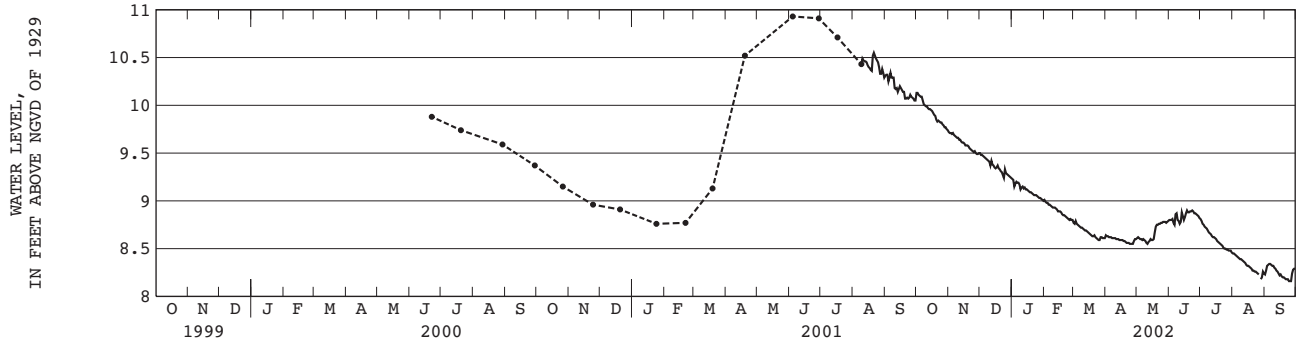
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	7.90	JAN 16	7.11	MAR 19	6.77	MAY 23	7.01	JUL 24	6.90	SEP 25	6.77
DEC 20	7.28	FEB 21	6.90	APR 26	6.77	JUN 18	7.21	AUG 19	6.75		



405906072110102. Local number, S8843.2
LOCATION.--Lat 40°59'06", long 72°11'01", Hydrologic Unit 02030202, at east side of Three Mile Harbor Road, 300 ft south of Boat Steerers Court, Freetown. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 35 ft, screened 25 to 30 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 30.0 ft above sea level. Measuring point: Top of coupling, 0.79 ft below land-surface datum.
PERIOD OF RECORD.--June 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.93 ft above sea level, June 4, 2001; lowest measured, 8.16 ft above sea level, September 24, 25, and 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.09	9.71	9.46	9.20	8.96	8.75	8.62	8.60	8.77	8.73	8.42	8.34
10	9.99	9.66	9.41	9.14	8.93	8.71	8.61	8.56	8.79	8.66	8.38	8.30
15	9.95	9.61	9.35	9.12	8.89	8.67	8.59	8.59	8.80	8.61	8.32	8.22
20	9.85	9.57	9.33	9.08	8.85	8.63	8.57	8.75	8.88	8.55	8.27	8.19
25	9.82	9.51	9.33	9.05	8.80	8.59	8.55	8.77	8.87	8.50	8.24	8.16
EOM	9.74	9.50	9.24	9.00	8.80	8.61	8.60	8.79	8.82	8.46	8.24	8.29
MEAN	9.93	9.60	9.36	9.11	8.89	8.67	8.59	8.67	8.84	8.60	---	8.25
MAX	10.13	9.72	9.50	9.23	9.01	8.79	8.64	8.79	8.90	8.81	---	8.34
MIN	9.74	9.49	9.24	9.00	8.80	8.59	8.55	8.55	8.75	8.46	---	8.16

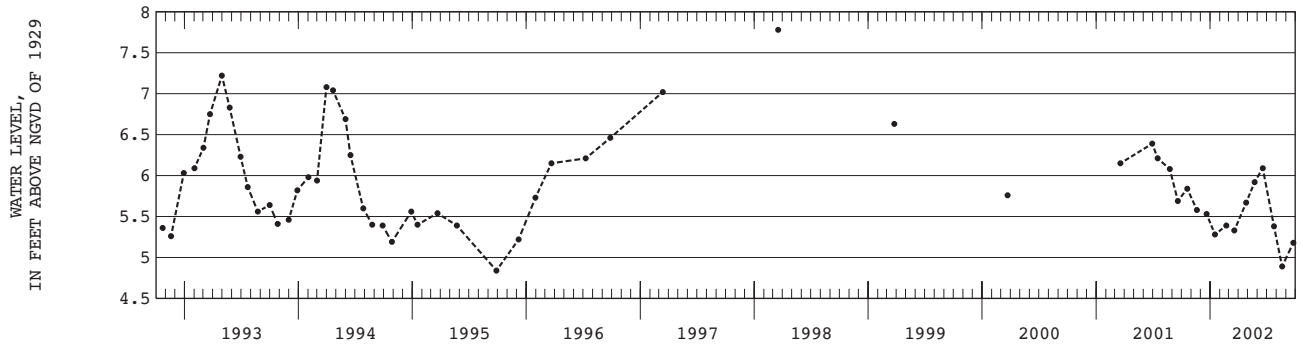


SUFFOLK COUNTY--Continued

405948072172101. Local number, S8844.1
LOCATION.--Lat 40°59'07", long 72°15'12", Hydrologic Unit 02030202, at south side of Hempstead Street, 19 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, screened assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 19.0 ft above sea level. Measuring point: Top edge of 6-in steel casing, inside elbow extenstion, 1.48 ft above land-surface datum.
PERIOD OF RECORD.--August 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.78 ft above sea level, March 18, 1998; lowest measured, 4.43 ft above sea level, December 26, 1950.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

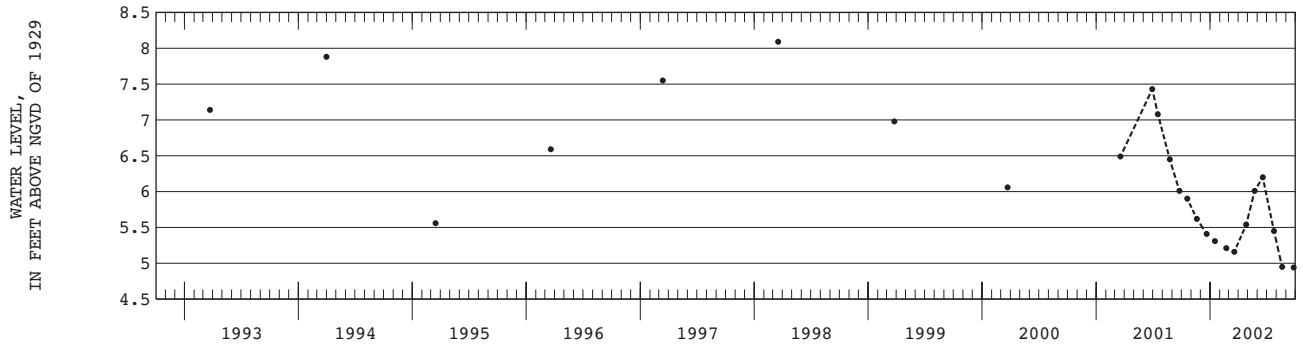
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.84	DEC 20	5.53	FEB 21	5.39	APR 26	5.67	JUN 18	6.09	AUG 19	4.89
NOV 19	5.58	JAN 16	5.28	MAR 19	5.33	MAY 23	5.92	JUL 24	5.38	SEP 24	5.18



410034072094701. Local number, S15048.1
LOCATION.--Lat 41°00'35", long 72°09'48", Hydrologic Unit 02030201, at east side of Springs-Fireplace Road and Church Lane, East Hampton. Owner: Town of Easthampton.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 6 in., depth 46 ft, screened 31 to 46 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 20.0 ft above sea level. Measuring point: Top inside of outlet, 1.69 ft above land-surface datum.
PERIOD OF RECORD.--April 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.99 ft above sea level, June 22, 1982; lowest measured, 4.91 ft above sea level, September 18, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

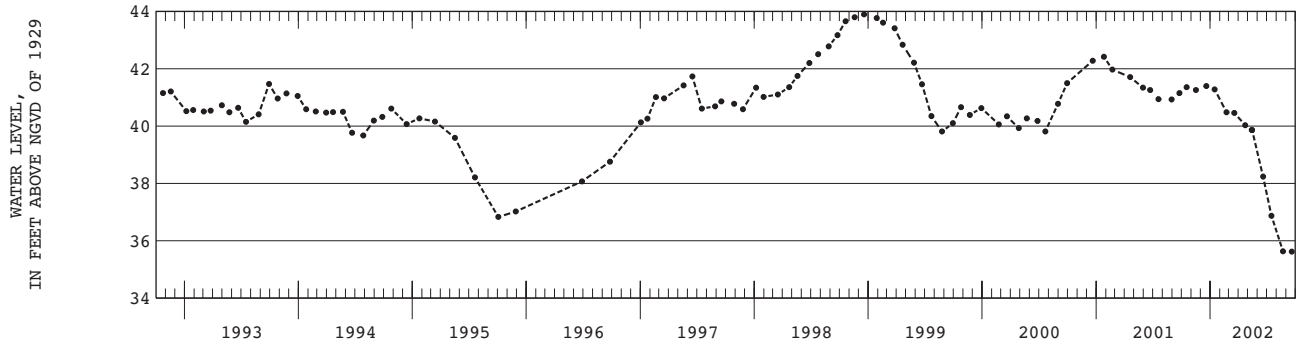
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.90	DEC 20	5.41	FEB 21	5.21	APR 26	5.54	JUN 18	6.20	AUG 19	4.95
NOV 19	5.62	JAN 16	5.31	MAR 19	5.16	MAY 23	6.01	JUL 24	5.45	SEP 25	4.94



405250073180801. Local number, S15622.1
LOCATION.--Lat 40°52'50", long 73°18'08", Hydrologic Unit 02030201, at north side of Pulaski Road, 17 ft east of Rowena Lane, Northport. Owner: Rottkamp.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel unused domestic supply well, diameter 10 in., depth 458 ft, screened 437 to 457 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 205.0 ft above sea level. Measuring point: Top of hole in steel plate at yellow arrow, 0.19 ft below land-surface datum.
PERIOD OF RECORD.--January 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.09 ft above sea level, January 7, 1980; lowest measured, 34.33 ft above sea level, April 14, 1969.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

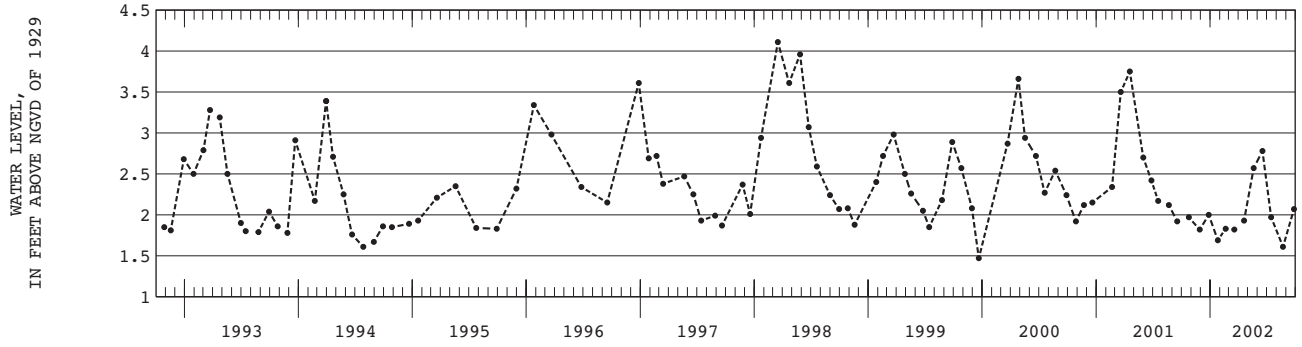
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	41.36	JAN 15	41.28	APR 23	40.03	JUN 19	38.24	SEP 19	35.62		
NOV 16	41.26	FEB 22	40.48	MAY 14	39.86	JUL 16	36.87				
DEC 19	41.40	MAR 19	40.46	15	39.86	AUG 22	35.63				



410634072223601. Local number, S16783.2
LOCATION.--Lat 41°06'34", long 72°22'36", Hydrologic Unit 02030201, at west side of Moore Lane, 61 ft south of North Road (State Route 25), Southold. 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 16.0 ft above sea level. Measuring point: Top of coupling, 0.13 ft below land-surface datum.
PERIOD OF RECORD.--July 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft above sea level, March 17, 1998; lowest measured, 1.47 ft above sea level, December 21, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.97	DEC 27	2.00	FEB 19	1.83	APR 19	1.93	JUN 17	2.78	AUG 22	1.61
NOV 28	1.82	JAN 25	1.69	MAR 19	1.82	MAY 20	2.57	JUL 15	1.97	SEP 26	2.07

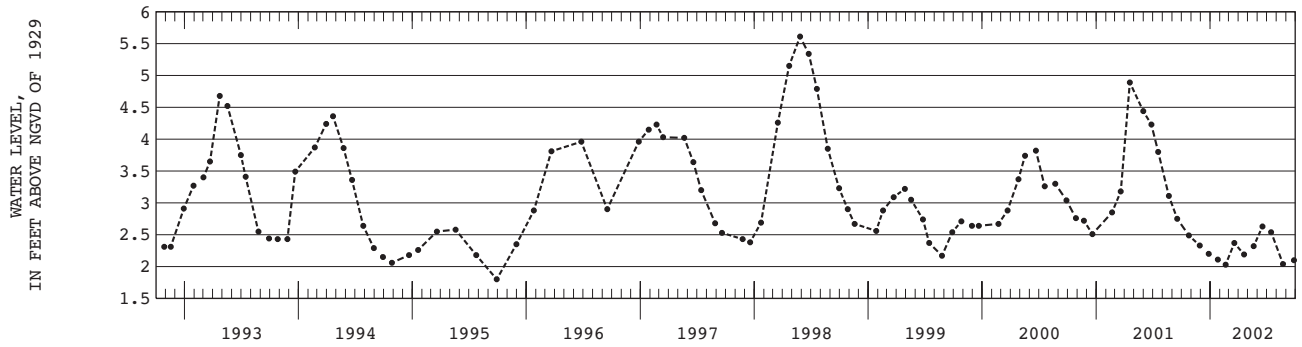


SUFFOLK COUNTY--Continued

410858072171501. Local number, S16787.1
LOCATION.--Lat 41°08'58", long 72°17'15", Hydrologic Unit 02030201, at south side of State Route 25, east of Platt Road, Orient. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 1/4 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 22.3 ft above sea level. Measuring point: Top of casing, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--August 1958 to current year. Unpublished records from August 1958 to September 1977 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.61 ft above sea level, May 27, 1998; lowest measured, 1.12 ft above sea level, August 8, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

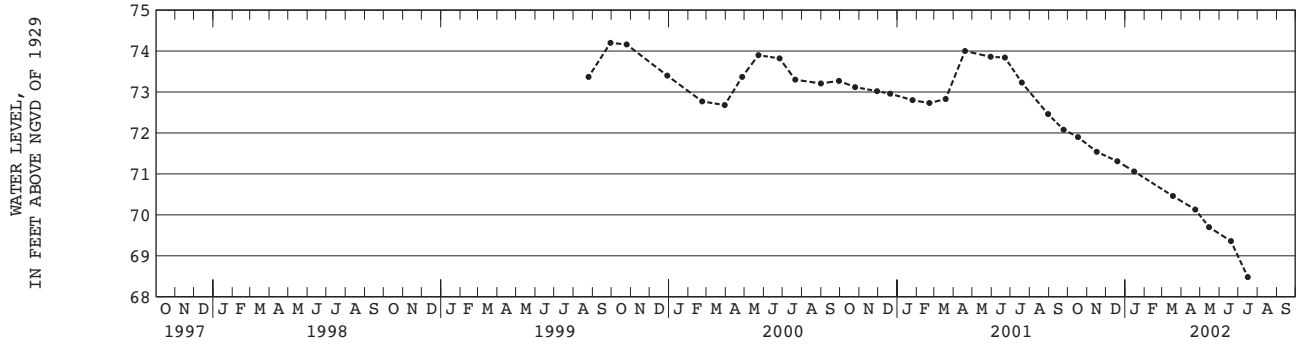
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.49	DEC 27	2.20	FEB 19	2.03	APR 19	2.19	JUN 17	2.63	AUG 22	2.04
NOV 28	2.33	JAN 25	2.11	MAR 19	2.37	MAY 20	2.32	JUL 15	2.54	SEP 26	2.10



404751073240902. Local number, S16874.2
LOCATION.--Lat 40°47'51", long 73°24'09", Hydrologic Unit 02030202, at east side of Old East Neck Road, 200 ft south of Old Country Road, at north side of entrance road to college, Melville. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 90 ft, screened 80 to 85 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 138.0 ft above sea level. Measuring point: Top of casing, 0.20 ft below land-surface datum.
REMARKS.--Replaced well S16874.1 in August 1999 near same location.
PERIOD OF RECORD.--August 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.20 ft above sea level, September 29, 1999; lowest measured, 68.48 ft above sea level, July 16, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

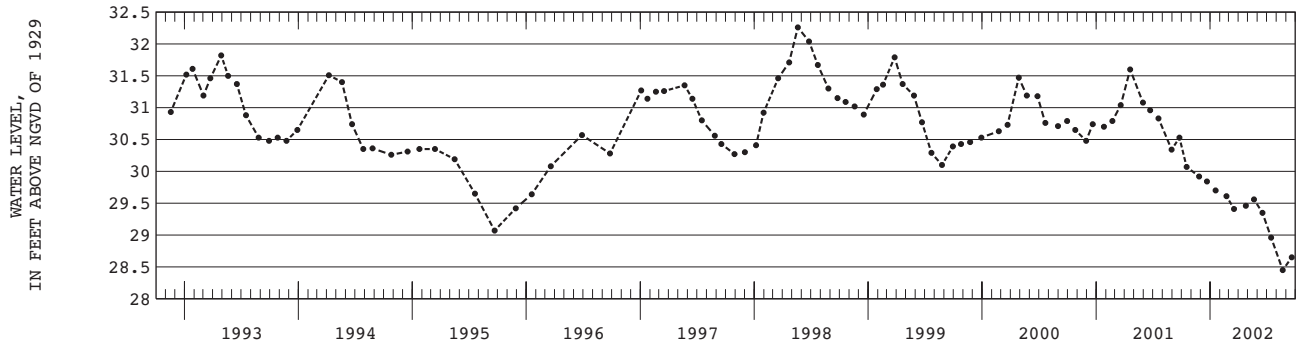
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	71.90	DEC 19	71.31	MAR 18	70.46	MAY 15	69.70	JUL 16	68.48		
NOV 16	71.54	JAN 15	71.06	APR 23	70.13	JUN 19	69.36				



405034073140401. Local number, S16881.1
LOCATION.--Lat 40°50'34", long 73°14'04", Hydrologic Unit 02030201, at east side of Old Willets Path, north of Bridge Branch Road, Commack. Owner: Town of Smithtown.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 47 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 58.0 ft above sea level. Measuring point: Top of casing, 0.34 ft below land-surface datum.
PERIOD OF RECORD.--July 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.05 ft above sea level, January 23, 1974; lowest measured, 28.45 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

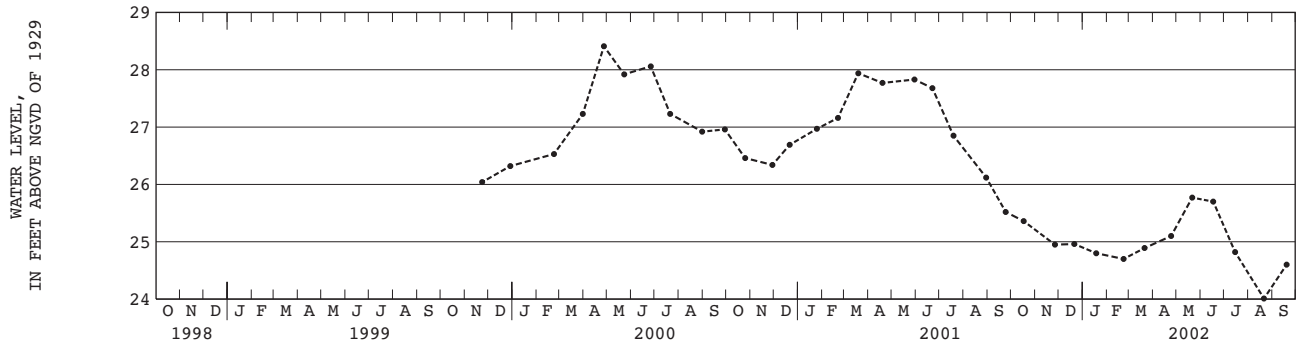
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	30.07	DEC 21	29.84	FEB 22	29.61	APR 25	29.46	JUN 17	29.35	AUG 21	28.45
NOV 26	29.92	JAN 18	29.70	MAR 18	29.41	MAY 21	29.56	JUL 15	28.96	SEP 19	28.65



404530073115104. Local number, S17987.4
LOCATION.--Lat 40°45'50", long 73°11'51", Hydrologic Unit 02030202, at northwest corner of Carleton Avenue and Court Drive, Central Islip. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 30 ft, screened 20 to 25 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 63.5 ft above sea level. Measuring point: Top of coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S17987.3 in August 1999 near same location.
PERIOD OF RECORD.--November 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.41 ft above sea level, April 27, 2000; lowest measured, 24.01 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	25.36	DEC 21	24.96	FEB 22	24.70	APR 24	25.10	JUN 17	25.70	AUG 21	24.01
NOV 26	24.95	JAN 18	24.80	MAR 21	24.89	MAY 21	25.77	JUL 15	24.82	SEP 19	24.60

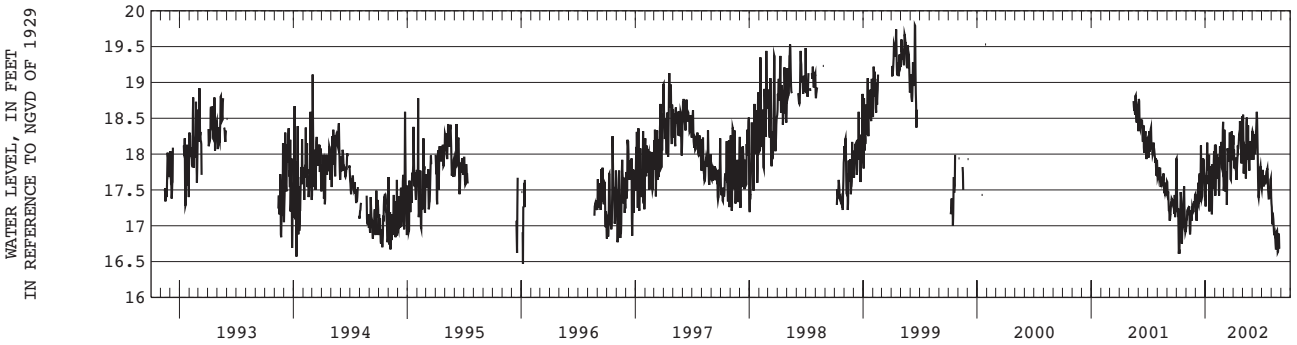


SUFFOLK COUNTY--Continued

403727073154601. Local number, S21091.1
LOCATION.--Lat 40°37'27", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 1,921 ft, screened 1,918 to 1,921 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of casing, 13.68 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--September 1962 to current year. Unpublished records from September 1962 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft above sea level, March 16, 1976; lowest measured, 15.13 ft above sea level, June 2, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

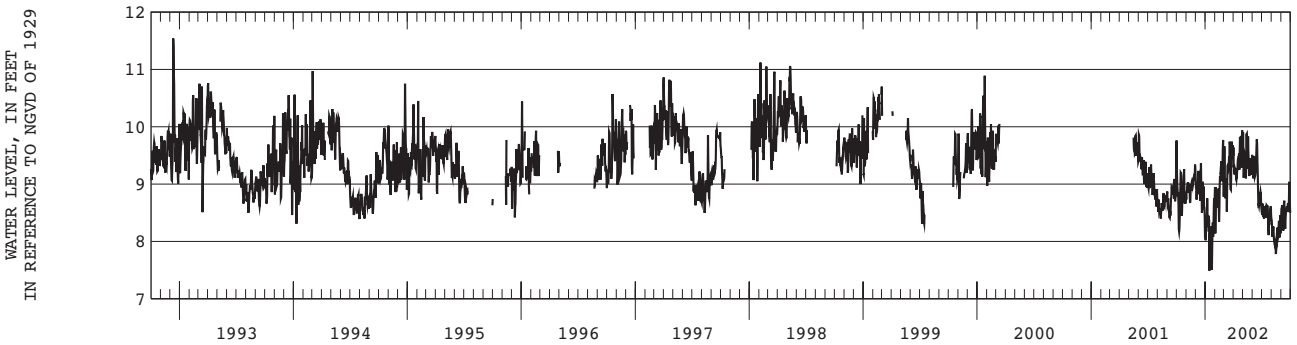
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.19	17.22	17.17	17.58	17.95	17.49	17.84	17.85	18.06	17.69	17.13	---
10	16.61	17.27	17.33	17.78	17.79	17.72	17.73	18.06	18.01	17.70	16.88	---
15	17.41	17.14	17.45	17.82	17.55	18.02	18.12	17.92	18.59	17.72	16.68	---
20	17.06	17.27	17.81	17.82	18.00	18.29	18.27	17.95	17.42	17.72	16.84	---
25	17.55	17.30	17.69	17.81	17.93	17.89	18.36	18.06	17.70	17.39	16.86	---
EOM	16.95	17.44	17.35	17.93	17.71	18.13	18.30	18.29	17.54	17.41	---	---
MEAN	17.13	17.18	17.53	17.71	17.89	17.89	18.07	18.06	17.97	17.60	---	---
MAX	17.94	17.44	18.12	18.16	18.45	18.34	18.53	18.55	18.59	17.80	---	---
MIN	16.61	16.88	17.07	17.16	17.42	17.29	17.64	17.66	17.39	17.38	---	---



403727073154503. Local number, S21311.1
LOCATION.--Lat 40°37'28", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 721 ft, screened 711 to 721 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 10.0 ft above sea level. Measuring point: Top of casing, 20.01 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--November 1962 to current year. Unpublished records from November 1962 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft above sea level, January 25, 1979; lowest measured, 5.35 ft above sea level, February 23, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.78	8.99	8.86	8.25	8.82	8.77	9.23	9.28	9.16	8.45	8.20	8.48
10	8.23	8.97	8.90	8.26	8.83	8.91	9.13	9.45	9.15	8.56	7.99	8.66
15	9.19	8.93	8.86	8.13	8.53	9.32	9.41	9.27	9.78	8.59	7.78	8.38
20	8.71	9.02	8.99	8.26	9.18	9.74	9.25	9.42	8.64	8.61	8.24	8.60
25	9.26	9.10	8.70	8.33	9.30	9.22	9.84	9.41	8.80	8.29	8.36	8.53
EOM	8.79	9.28	8.07	8.77	8.95	9.49	9.66	9.51	8.56	8.44	8.25	8.50
MEAN	8.83	8.97	8.86	8.23	8.95	9.22	9.43	9.42	9.11	8.49	8.13	8.54
MAX	9.76	9.34	9.36	8.77	9.77	9.74	9.94	9.90	9.78	8.66	8.46	9.04
MIN	8.17	8.67	8.07	7.49	8.14	8.52	9.09	9.10	8.56	8.11	7.78	8.19

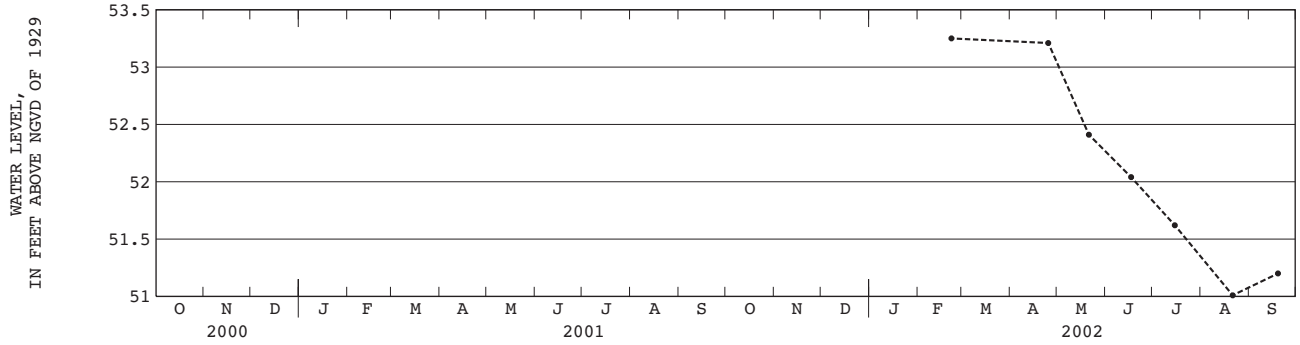


SUFFOLK COUNTY--Continued

404813073101101. Local number, S24771.2
LOCATION.--Lat 40°48'13", long 73°10'11", Hydrologic Unit 02030202, at southwest corner of Wicks Road and Long Island Expressway service road, Brentwood. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 110 ft, screened 100 to 105 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 134.0 ft above sea level. Measuring point: Top of coupling, 0.60 ft below land-surface datum.
REMARKS.--Replaced well S24771.2 in October 2000 near same location.
PERIOD OF RECORD.--October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.25 ft above sea level, February 22, 2002; lowest measured, 51.01 ft above sea level, August 21, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

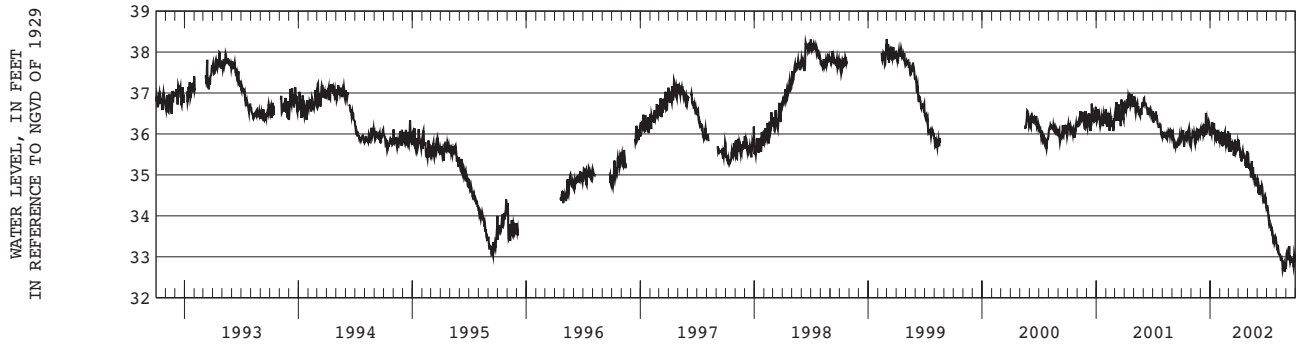
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 22	53.25	MAY 21	52.41	JUL 15	51.62	SEP 19	51.20				
APR 25	53.21	JUN 17	52.04	AUG 21	51.01						



404935073055901. Local number, S33379.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 1,305 ft, screened 1,290 to 1,300 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 134.0 ft above sea level. Measuring point: Top of casing, 2.34 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.92 ft above sea level, June 5, 1979; lowest recorded, 32.62 ft above sea level, August 28, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.01	36.04	36.02	36.00	35.88	35.70	35.60	35.17	34.62	34.10	33.27	33.09
10	35.77	36.03	35.97	36.16	35.79	35.82	35.47	35.14	34.61	33.86	33.05	33.13
15	35.98	35.99	36.13	36.08	35.83	35.74	35.60	35.14	34.76	33.73	32.92	32.88
20	35.96	36.13	36.34	35.94	35.85	35.69	35.49	34.98	34.34	33.54	32.84	32.91
25	36.15	35.98	36.18	35.97	35.76	35.58	35.31	34.84	34.38	33.32	32.87	32.75
EOM	35.70	36.10	36.08	35.77	35.86	35.72	35.46	34.89	34.18	33.39	32.71	32.85
MEAN	35.93	35.97	36.15	36.01	35.89	35.71	35.49	35.07	34.55	33.70	32.97	32.96
MAX	36.15	36.13	36.51	36.29	36.06	36.02	35.86	35.54	34.92	34.24	33.33	33.26
MIN	35.69	35.77	35.94	35.77	35.70	35.47	35.17	34.74	34.18	33.32	32.64	32.75

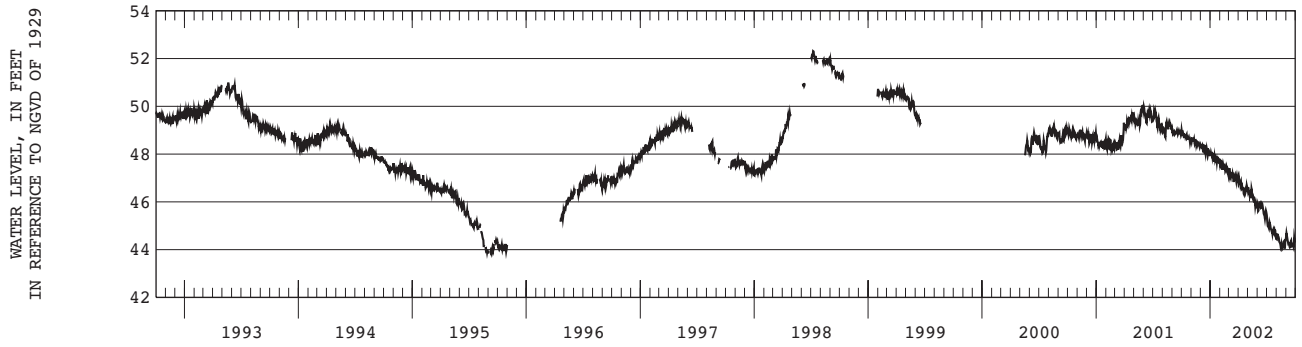


SUFFOLK COUNTY--Continued

404932073055902. Local number, S33380.1
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 855 ft, screened 840 to 850 ft.
INSTRUMENTATION.--Digital water-level recorder.
DATUM.--Land-surface datum is 133.5 ft above sea level. Measuring point: Top of casing, 2.13 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of the Long Island Subdistrict office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft above sea level, April 27, 1979; lowest recorded, 43.83 ft above sea level, September 1, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

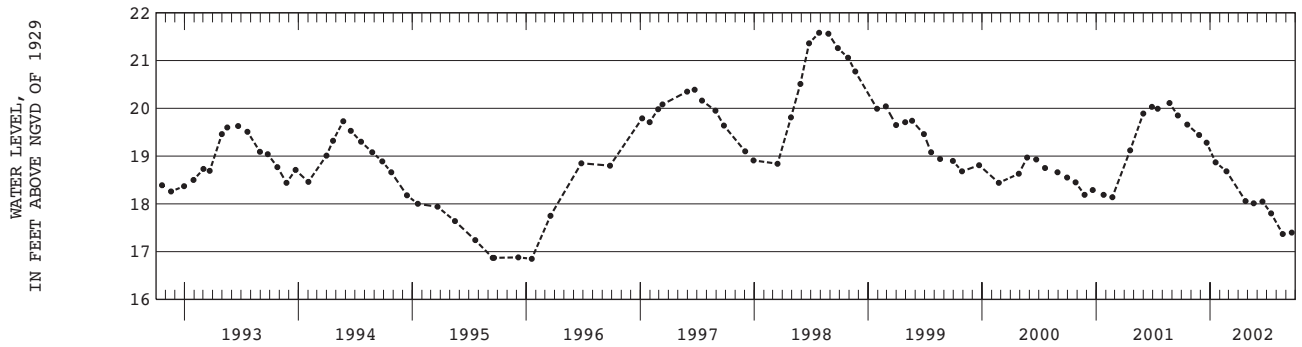
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.82	48.66	48.33	47.96	47.56	47.08	46.87	46.42	45.80	44.98	44.59	44.45
10	48.82	48.62	48.17	47.94	47.48	47.18	46.69	46.36	45.83	45.14	44.33	44.24
15	48.78	48.57	48.17	47.86	47.51	47.12	46.56	46.25	45.96	44.84	44.08	44.19
20	48.68	48.52	48.22	47.74	47.41	47.11	46.43	46.17	45.63	44.77	44.03	44.23
25	48.65	48.42	48.06	47.72	47.28	46.87	46.46	45.82	45.30	44.85	44.35	44.09
EOM	48.54	48.42	47.98	47.62	47.14	46.88	46.57	45.83	45.52	44.45	44.45	44.36
MEAN	48.73	48.49	48.20	47.83	47.45	47.07	46.63	46.21	45.71	44.87	44.31	44.30
MAX	49.00	48.66	48.39	48.06	47.80	47.41	46.98	46.58	45.98	45.44	44.64	44.69
MIN	48.47	48.29	47.97	47.62	47.14	46.83	46.31	45.81	45.30	44.45	44.01	44.09



405040072414801. Local number, S34743.1
LOCATION.--Lat 40°50'40", long 72°41'48", Hydrologic Unit 02030202, at north side of dirt road, 120 ft east of Speonk-Riverhead Road, 0.6 mi south of Sunrise Highway (State Route 27), northernmost well, Speonk. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, access pipe diameter 4 in., casing diameter 12 in., depth 1,226 ft, screened 1,077 to 1,117 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 64.0 ft above sea level. Measuring point: Top of coupling, 2.94 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.24 ft above sea level, April 2, 1979; lowest measured, 16.18 ft above sea level, March 18, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

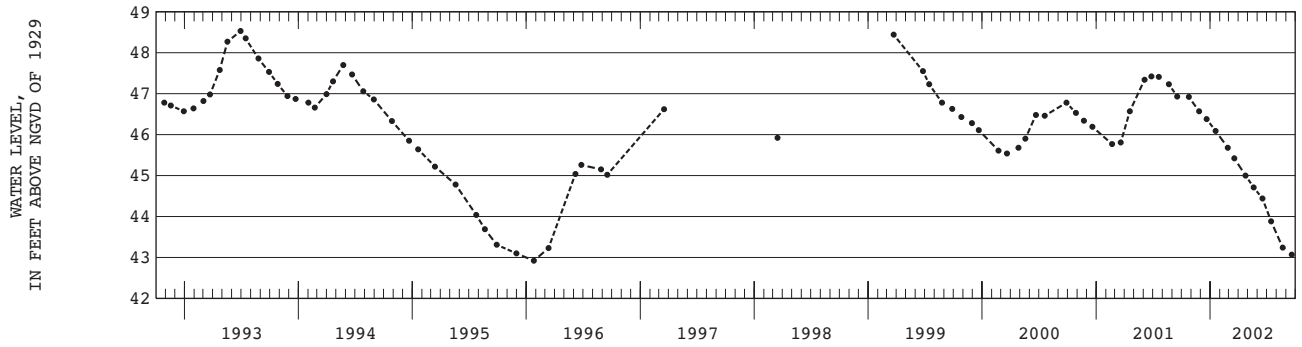
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	19.66	DEC 20	19.28	FEB 22	18.68	MAY 20	18.01	JUL 15	17.80	SEP 19	17.40
NOV 26	19.44	JAN 18	18.87	APR 24	18.06	JUN 17	18.05	AUG 21	17.37		



405517072574902. Local number, S34892.1
LOCATION.--Lat 40°55'19", long 72°57'49", Hydrologic Unit 02030202, at east side of Radio Avenue, 1.3 mi south of Nesconset Road (State Route 25A), northernmost well, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 138 ft, screened 124 to 138 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 122.4 ft above sea level. Measuring point: Top of casing, 0.78 ft above land-surface datum.
PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.82 ft above sea level, September 15, 1984; lowest measured, 42.17 ft above sea level, March 21, 1972.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

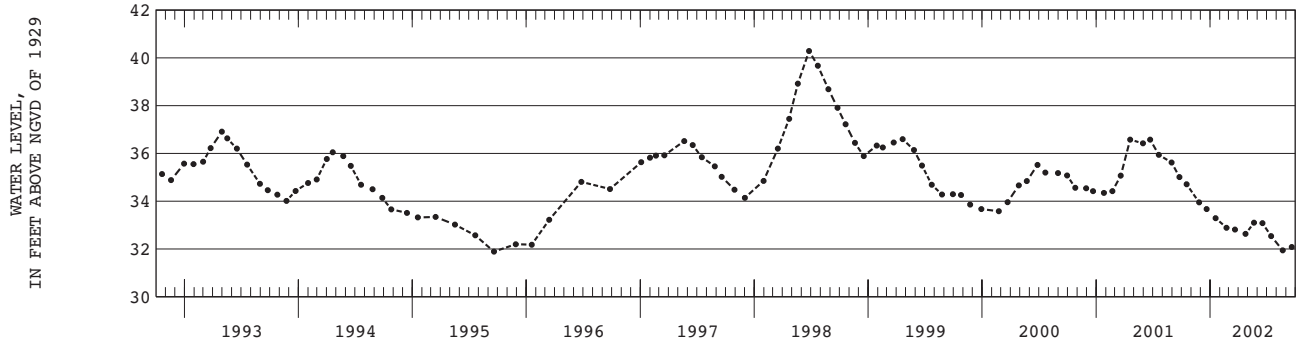
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	46.92	DEC 20	46.38	FEB 26	45.68	APR 24	45.00	JUN 17	44.44	AUG 21	43.24
NOV 26	46.57	JAN 18	46.09	MAR 19	45.42	MAY 20	44.71	JUL 15	43.88	SEP 19	43.07



404640073050201. Local number, S36144.1
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at east side of Lincoln Avenue, south of Veterans Memorial Highway (State Route 454), Bohemia. Owner: Town of Islip.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 53 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 54.0 ft above sea level. Measuring point: Top of casing, 1.84 ft above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1977 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.29 ft above sea level, June 25, 1998; lowest measured, 31.88 ft above sea level, December 15, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	34.71	DEC 20	33.67	FEB 22	32.89	APR 24	32.63	JUN 17	33.08	AUG 21	31.94
NOV 26	33.95	JAN 18	33.29	MAR 21	32.81	MAY 21	33.10	JUL 15	32.54	SEP 19	32.08

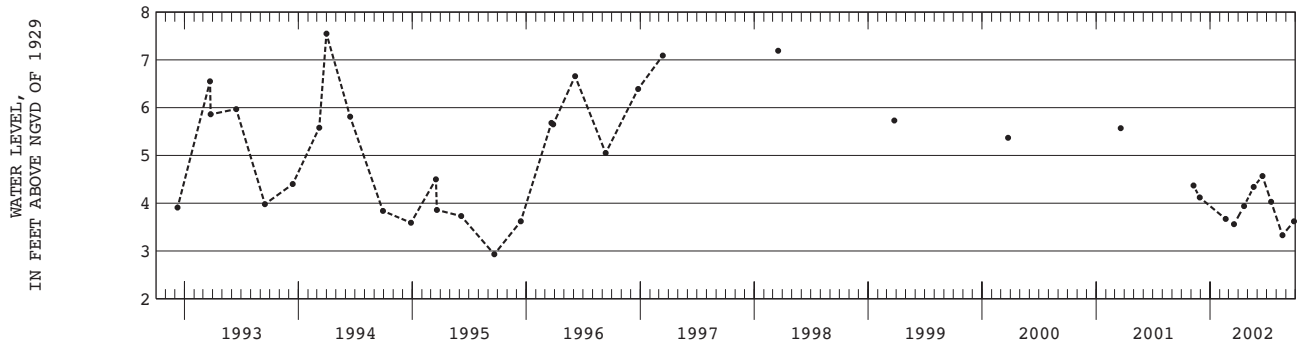


SUFFOLK COUNTY--Continued

410400072195301. Local number, S38461.1
LOCATION.--Lat 41°04'00", long 72°19'53", Hydrologic Unit 02030202, at south side of Congdon Road and east side of Ram Island Road, Shelter Island. Owner: Shelter Island Fire Department.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel fire-protection well, diameter 6 in., depth not reported, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of coupling, 1.82 ft above land-surface datum.
PERIOD OF RECORD.--October 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.36 ft above sea level, March 5, 1979; lowest measured, 2.84 ft above sea level, January 26, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

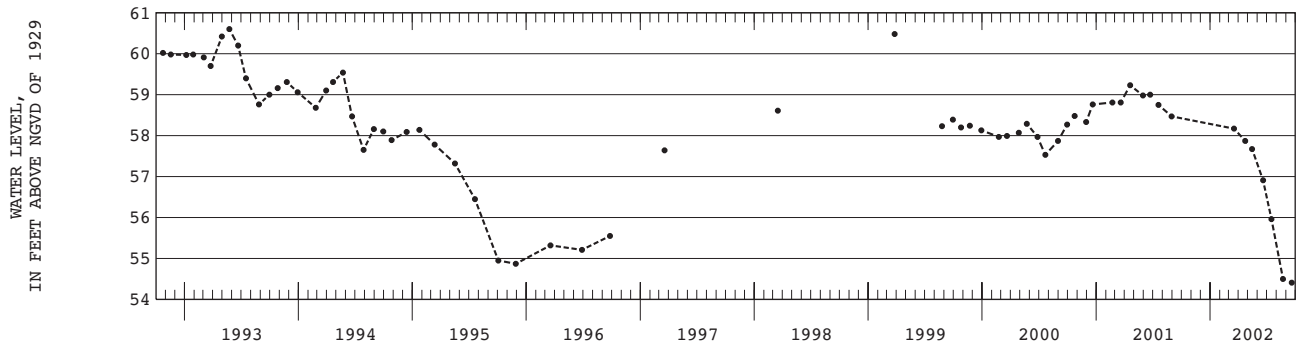
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	4.37	FEB 19	3.67	APR 19	3.94	JUN 17	4.57	AUG 20	3.33		
28	4.12	MAR 18	3.56	MAY 20	4.34	JUL 15	4.03	SEP 26	3.62		



405013073263601. Local number, S40840.1
LOCATION.--Lat 40°50'13", long 73°26'36", Hydrologic Unit 02030201, at intersection of Cold Spring Hill Road, Ledgewood Drive, and West Rogues Path, on grass island, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 79 ft, screened 77 to 79 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 131.5 ft above sea level. Measuring point: Top of coupling, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.02 ft above sea level, December 10, 1984; lowest measured, 54.41 ft above sea level, September 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

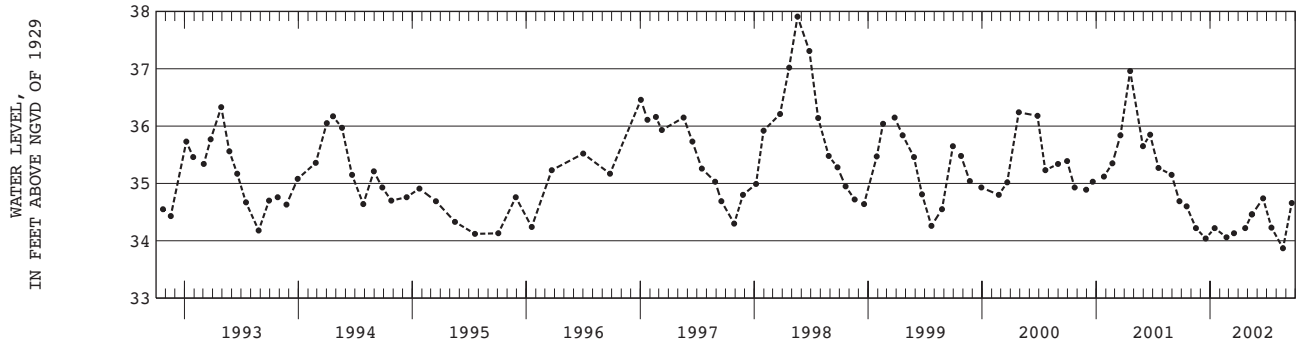
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18	58.17	MAY 15	57.67	JUL 16	55.96	SEP 19	54.41				
APR 23	57.87	JUN 19	56.91	AUG 22	54.50						



405124073111501. Local number, S40843.1
LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at intersection of Nissequogue River Road and North Country Road (State Route 25A), just north of Middle Country Road (State Route 25), on grass island, Smithtown. Owner: Town of Smithtown.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 44 ft, screened 41 to 44 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 66.0 ft above sea level. Measuring point: Top of coupling, 0.01 ft below land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.93 ft above sea level, March 27, 1979; lowest measured, 33.84 ft above sea level, July 9, 1971.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

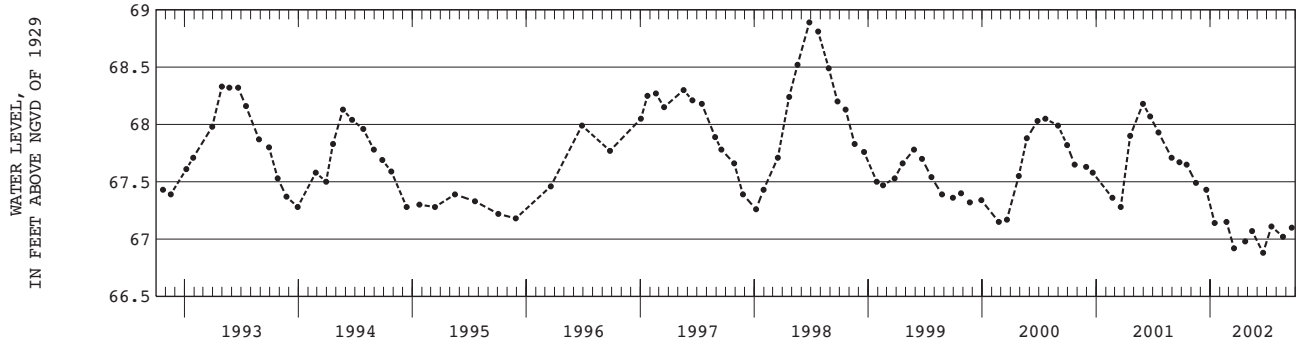
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	34.60	JAN 15	34.22	APR 23	34.22	JUN 19	34.74	SEP 19	34.66		
NOV 16	34.22	FEB 22	34.06	MAY 14	34.46	JUL 16	34.23				
DEC 17	34.04	MAR 18	34.13	15	34.46	AUG 22	33.87				



405230073212101. Local number, S46517.1
LOCATION.--Lat 40°52'30", long 73°21'21", Hydrologic Unit 02030201, at southeast corner of Stony Hollow Road and Maple Road, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 66 ft, screened 63 to 66 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 123.5 ft above sea level. Measuring point: Top of casing, 0.03 ft above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year. Unpublished records from September 1979 to September 1982 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.61 ft above sea level, June 11, 1984; lowest measured, 66.87 ft above sea level, August 23, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	67.65	DEC 19	67.43	FEB 22	67.15	APR 23	66.98	JUN 19	66.88	AUG 22	67.02
NOV 16	67.49	JAN 15	67.14	MAR 18	66.92	MAY 15	67.07	JUL 16	67.11	SEP 19	67.10

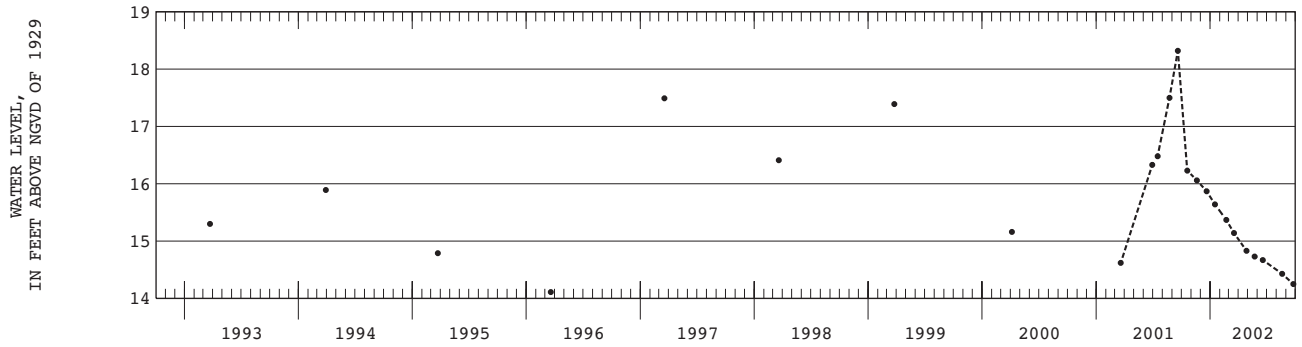


SUFFOLK COUNTY--Continued

405602072221802. Local number, S46529.2
LOCATION.--Lat 40°56'02", long 72°22'48", Hydrologic Unit 02030202, at intersection of Water Mill Road and Edge of Woods Road, at grass triangle, 43 ft east of Water Mill Road and 36 ft west of Edge of Woods Road, Deerfield. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 81 ft, screened 77 to 81 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 70.0 ft above sea level. Measuring point: Top of coupling, 0.75 ft below land-surface datum.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.97 ft above sea level, October 3, 1984; lowest measured, 13.39 ft above sea level, December 2, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

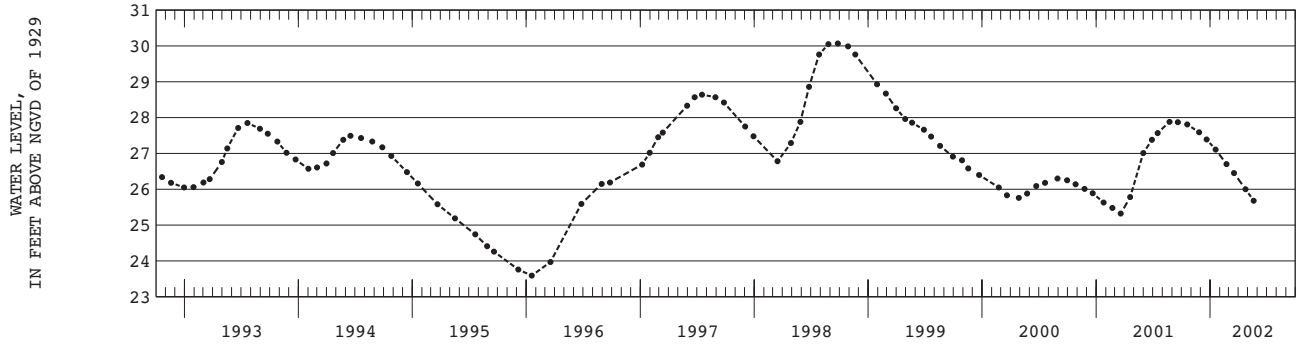
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	16.23	DEC 20	15.87	FEB 21	15.37	APR 27	14.83	JUN 18	14.67	SEP 24	14.25
NOV 19	16.06	JAN 16	15.64	MAR 18	15.14	MAY 23	14.73	AUG 19	14.43		



405139072432401. Local number, S46544.1
LOCATION.--Lat 40°51'39", long 72°43'24", Hydrologic Unit 02030202, at southwest corner of County Road 51 and service road entrance to recharge basin 33, Eastport. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 107 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 102.9 ft above sea level. Measuring point: Top of coupling, 0.19 ft below land-surface datum.
PERIOD OF RECORD.--December 1972 to current year. Unpublished records from December 1972 to September 1976 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.28 ft above sea level, June 28, 1979; lowest measured, 23.59 ft above sea level, January 18, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	27.81	DEC 20	27.39	FEB 22	26.70	APR 24	26.00				
NOV 26	27.59	JAN 18	27.11	MAR 18	26.45	MAY 20	25.68				

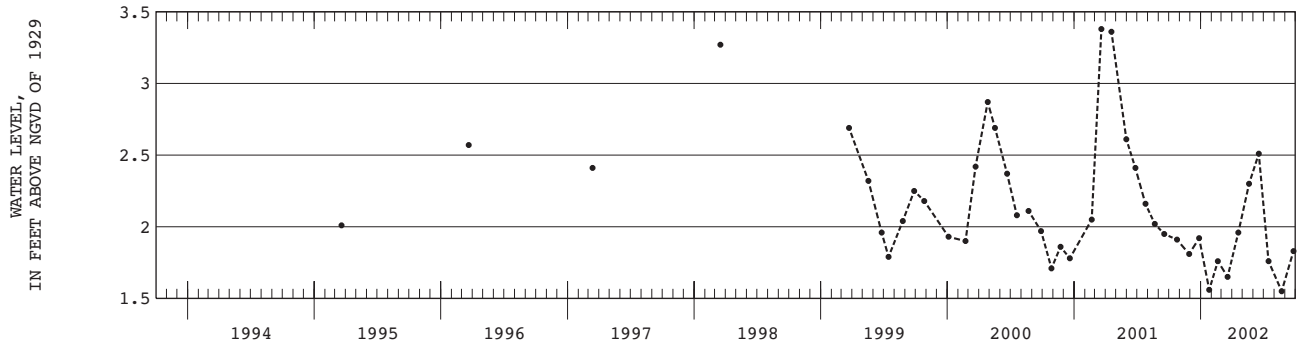


SUFFOLK COUNTY--Continued

405536072375303. Local number, S47231.2
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island County Park, north side of main entrance road, 41 ft south of restroom facilities, Riverhead. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 41 ft, screened 39 to 41 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of coupling, 0.64 ft below land-surface datum.
REMARKS.--Replaced well S47231.1 in March 1995 near same location.
PERIOD OF RECORD.--March 1995 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.38 ft above sea level, March 20, 2001; lowest measured, 1.55 ft above sea level, August 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

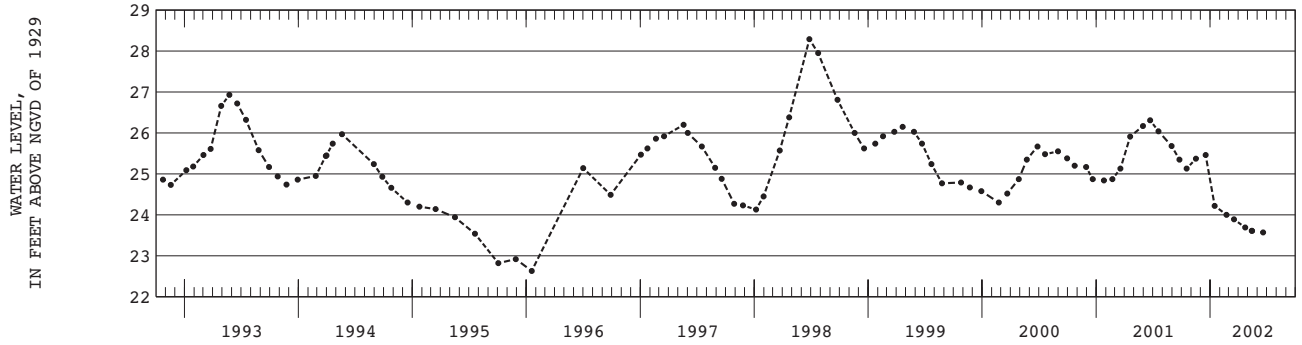
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.91	DEC 27	1.92	FEB 19	1.76	APR 19	1.96	JUN 17	2.51	AUG 22	1.55
NOV 28	1.81	JAN 25	1.56	MAR 19	1.65	MAY 20	2.30	JUL 15	1.76	SEP 25	1.83



405604073064301. Local number, S47973.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at north side of State Route 25A, 189 ft west of Ridgeway Avenue, Setauket. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 90 ft, screened 78 to 88 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 94.0 ft above sea level. Measuring point: Top of 6-in steel flange, 2.43 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.29 ft above sea level, June 26, 1998; lowest measured, 20.83 ft above sea level, March 5, 1980.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	25.13	DEC 17	25.46	FEB 22	24.00	APR 23	23.69	MAY 15	23.61		
NOV 16	25.37	JAN 15	24.22	MAR 18	23.89	MAY 14	23.61	JUN 19	23.57		

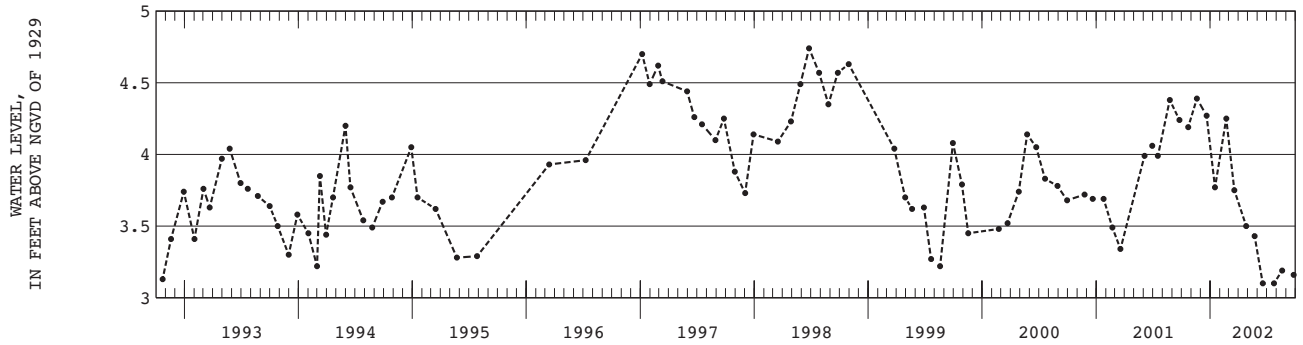


SUFFOLK COUNTY--Continued

410149071583201. Local number, S48577.1
LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (State Route 27), 19 ft east of entrance to East Hampton Disposal and Recycling Center, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 189 ft, screened 173 to 183 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 168.1 ft above sea level. Measuring point: Top of 6-in steel flange, 1.61 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.74 ft above sea level, June 25, 1998; lowest measured, 0.54 ft below sea level, May 5, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

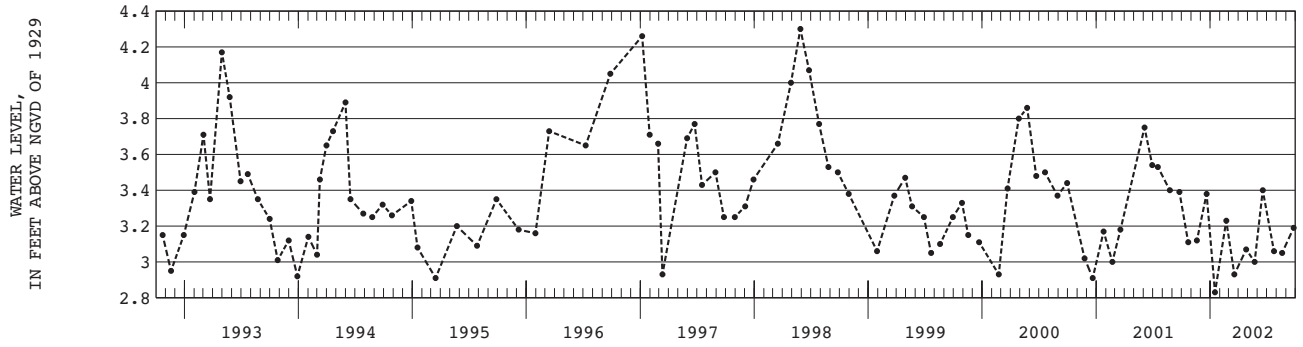
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	4.19	DEC 20	4.27	FEB 21	4.25	APR 26	3.50	JUN 18	3.10	AUG 19	3.19
NOV 19	4.39	JAN 16	3.77	MAR 19	3.75	MAY 23	3.43	JUL 24	3.10	SEP 25	3.16



410316071535501. Local number, S48579.1
LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at north side of Montauk Point State Parkway (State Route 27), adjacent to intersection with Old Montauk Highway, Montauk. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 66 ft, screened 53 to 56 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 38.6 ft above sea level. Measuring point: Top of 6-in steel flange, 1.55 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.30 ft above sea level, May 28, 1998; lowest measured, 2.46 ft above sea level, December 22, 1976.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

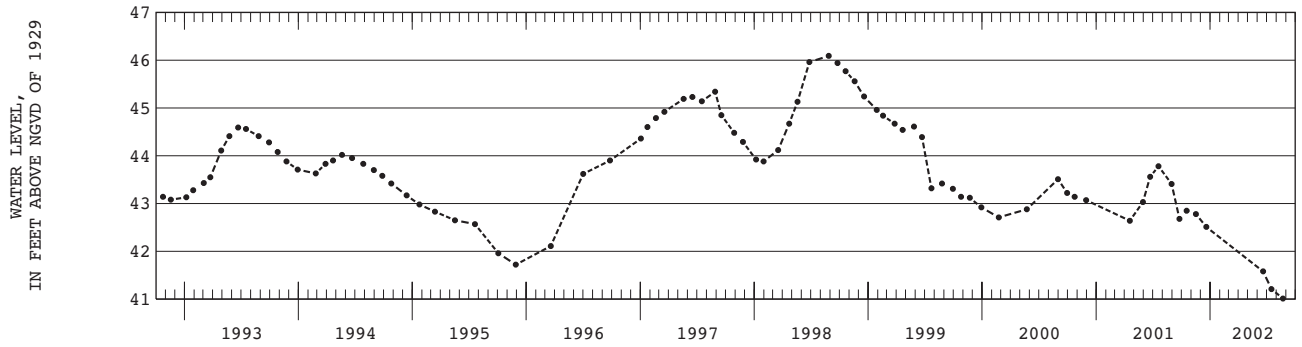
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.11	DEC 20	3.38	FEB 21	3.23	APR 26	3.07	JUN 18	3.40	AUG 19	3.05
NOV 19	3.12	JAN 16	2.83	MAR 19	2.93	MAY 23	3.00	JUL 24	3.06	SEP 25	3.19



405309073125401. Local number, S50507.1
LOCATION.--Lat 40°53'09", long 73°12'54", Hydrologic Unit 02030201, at east side of Landing Avenue, 1.5 mi north of Spruce Street, San Remo. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 80 ft, screened 76 to 80 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 90.3 ft above sea level. Measuring point: Top of coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--December 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.23 ft above sea level, September 19, 1984; lowest measured, 41.01 ft above sea level, August 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

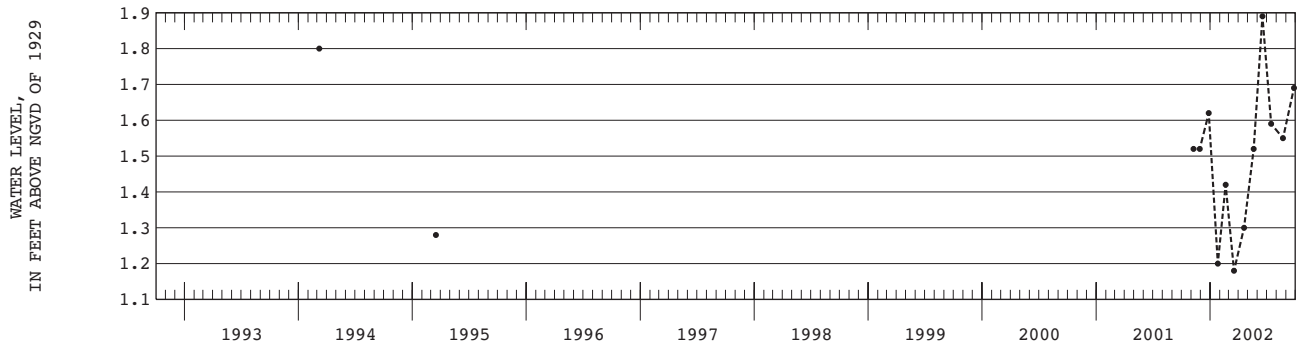
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	42.85	NOV 16	42.78	DEC 19	42.51	JUN 19	41.58	JUL 16	41.21	AUG 22	41.01



410349072222201. Local number, S51169.1
LOCATION.--Lat 41°03'49", long 72°22'23", Hydrologic Unit 02030202, at west side of Rocky Point Avenue, 400 ft south of Belvedere Avenue, West Neck, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 56 ft, screened 44 to 54 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 32.3 ft above sea level. Measuring point: Top of flange in manhole, 1.82 ft below land-surface datum.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.61 ft above sea level, June 11, 1982; lowest measured, 0.98 ft above sea level, December 21, 1976.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	1.52	DEC 27	1.62	FEB 19	1.42	APR 19	1.30	JUN 17	1.89	AUG 22	1.55
28	1.52	JAN 25	1.20	MAR 18	1.18	MAY 20	1.52	JUL 15	1.59	SEP 26	1.69

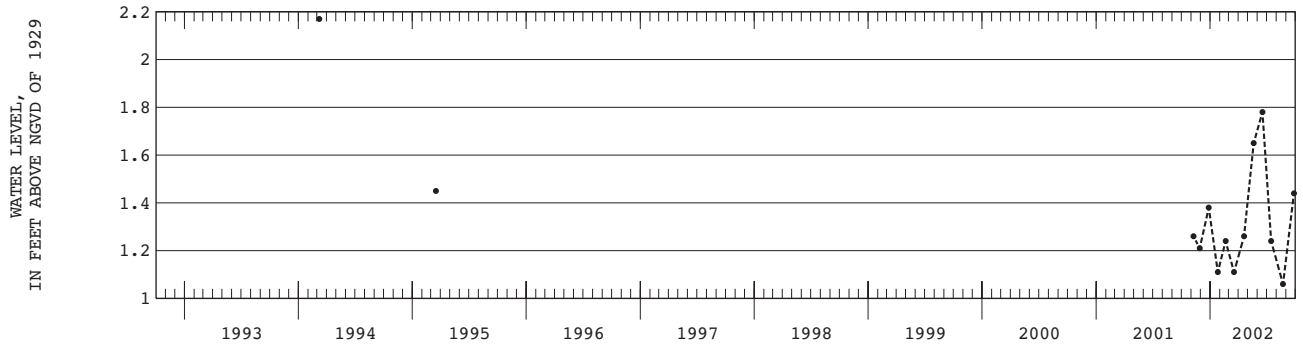


SUFFOLK COUNTY--Continued

410311072215501. Local number, S51170.1
LOCATION.--Lat 41°03'11", long 72°21'55", Hydrologic Unit 02030202, at west side of Nostrand (Brander) Parkway, 100 ft south of Lilliput Lane, West Neck, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 33 ft, screened 21 to 31 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 8.8 ft above sea level. Measuring point: Top of flange in manhole, 1.76 ft below land-surface datum.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.72 ft above sea level, June 11, 1982; lowest measured, 0.84 ft above sea level, September 13, 1980.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

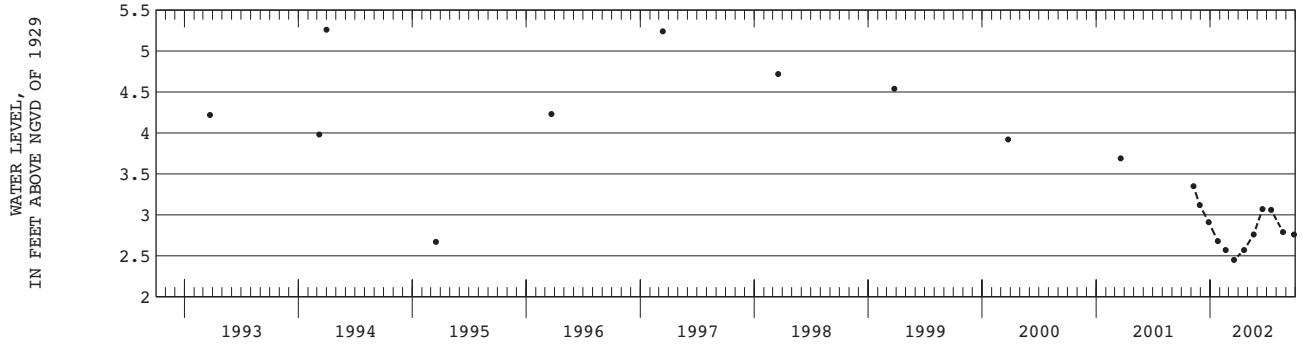
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	1.26	DEC 27	1.38	FEB 19	1.24	APR 19	1.26	JUN 17	1.78	AUG 22	1.06
28	1.21	JAN 25	1.11	MAR 18	1.11	MAY 20	1.65	JUL 15	1.24	SEP 26	1.44



410430072202301. Local number, S51176.1
LOCATION.--Lat 41°04'30", long 72°20'23", Hydrologic Unit 02030202, at southeast corner of Ferry Road (Route 114) and Manwaring Road, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 60 ft, screened 47 to 57 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 39.6 ft above sea level. Measuring point: Top of flange in manhole, 1.88 ft below land-surface datum.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.86 ft above sea level, March 5, 1979; lowest measured, 2.42 ft above sea level, December 12, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

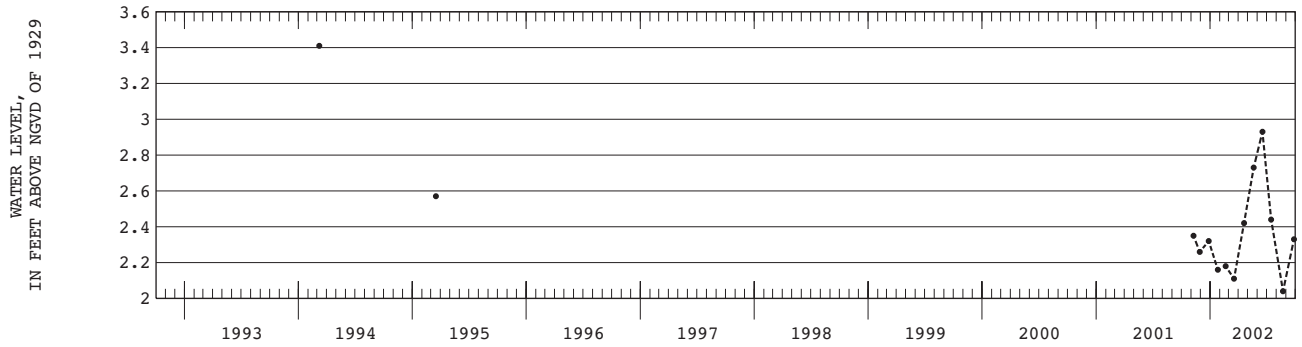
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	3.35	DEC 27	2.91	FEB 19	2.57	APR 19	2.57	JUN 17	3.07	AUG 22	2.79
28	3.12	JAN 25	2.68	MAR 18	2.45	MAY 20	2.76	JUL 15	3.06	SEP 26	2.76



410316072192901. Local number, S51177.1
LOCATION.--Lat 41°03'16", long 72°19'29", Hydrologic Unit 02030202, at east side of Route 114, 58 ft north of Valley Road, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 60 ft, screened 27 to 37 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 17.5 ft above sea level. Measuring point: Top of flange in manhole, 1.58 ft below land-surface datum.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.22 ft above sea level, June 11, 1982; lowest measured, 1.90 ft above sea level, December 10, 1980.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

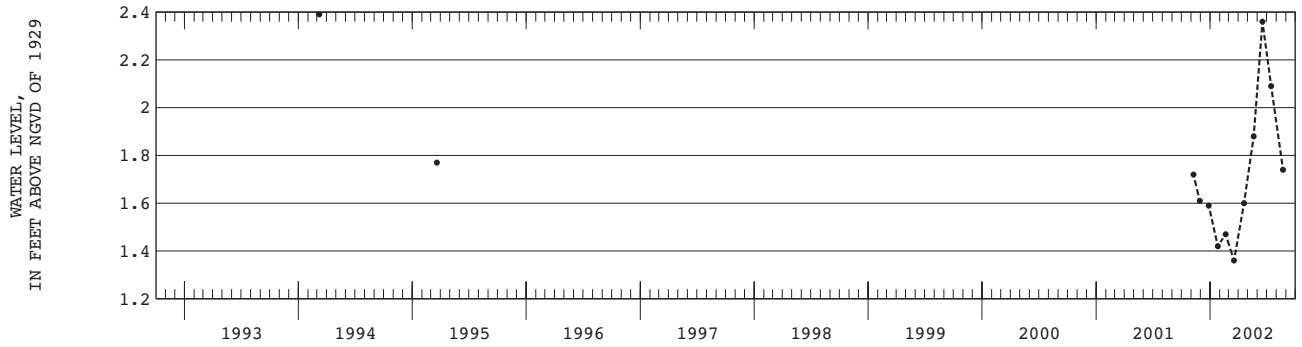
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	2.35	DEC 27	2.32	FEB 19	2.18	APR 19	2.42	JUN 17	2.93	AUG 22	2.04
28	2.26	JAN 25	2.16	MAR 18	2.11	MAY 20	2.73	JUL 15	2.44	SEP 26	2.33



410334072172701. Local number, S51183.1
LOCATION.--Lat 41°03'32", long 72°17'29", Hydrologic Unit 02030202, at west side of main trail in Mashomack Preserve, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 51 ft, screened 39 to 49 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 41 ft above sea level. Measuring point: Top of flange in manhole, 8.03 ft below land-surface datum.
PERIOD OF RECORD.--June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.15 ft above sea level, March 2, 1979; lowest measured, 1.28 ft above sea level, December 10, 1980.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	1.72	DEC 27	1.59	FEB 19	1.47	APR 19	1.60	JUN 17	2.36	AUG 22	1.74
28	1.61	JAN 25	1.42	MAR 18	1.36	MAY 20	1.88	JUL 15	2.09		

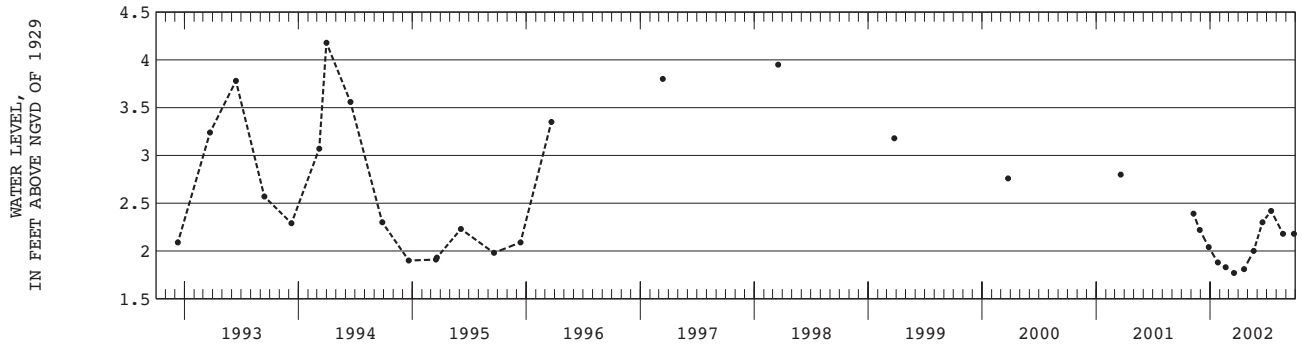


SUFFOLK COUNTY--Continued

410516072200901. Local number, S52084.1
LOCATION.--Lat 41°05'16", long 72°20'09", Hydrologic Unit 02030202, at east side of Manhanset Road, 143 ft north of Cobbets Lane, Shelter Island. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 74 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 28.4 ft above sea level. Measuring point: Top of casing, 1.45 ft below land-surface datum.
PERIOD OF RECORD.--July 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.21 ft above sea level, March 5, 1979; lowest measured, 1.71 ft above sea level, March 9, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

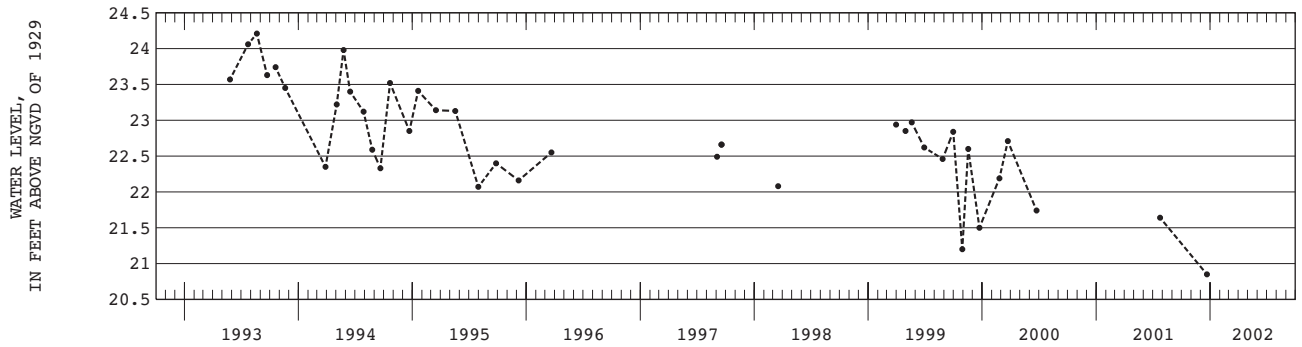
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	2.39	DEC 27	2.04	FEB 19	1.83	APR 19	1.81	JUN 17	2.30	AUG 22	2.18
28	2.22	JAN 25	1.88	MAR 18	1.77	MAY 20	2.00	JUL 15	2.42	SEP 26	2.18



404357072515701. Local number, S52162.1
LOCATION.--Lat 40°43'57", long 72°51'57", Hydrologic Unit 02030202, at Smith Point County Park, 50 ft south of traffic circle, easternmost well. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel private supply well, diameter 4 in., depth 1,695 ft, screened 1,670 to 1,690 ft.
INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by United States Geological Survey personnel.
DATUM.--Land-surface datum is 18.0 ft above sea level. Measuring point: Top of coupling, 1.19 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.66 ft above sea level, January 17, 1985; lowest measured, 19.96 ft above sea level, March 8, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL
DEC 21	20.85

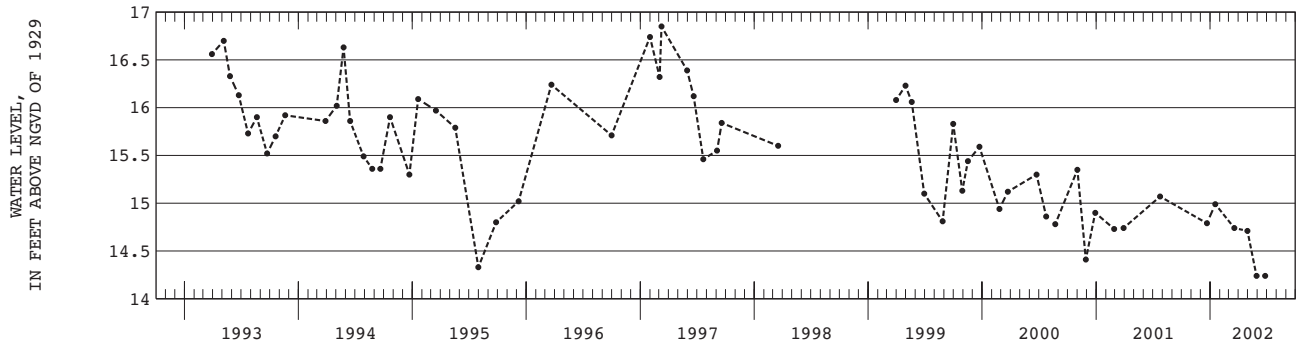


SUFFOLK COUNTY--Continued

404357072515702. Local number, S52163.1
LOCATION.--Lat 40°43'57", long 72°51'57", Hydrologic Unit 02030202, at Smith Point County Park, 50 ft south of traffic circle, middle well. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 1,305 ft, screened 1,279 to 1,300 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 17.0 ft above sea level. Measuring point: Top of casing, 4.01 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1974 to December 1982 and September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.10 ft above sea level, July 25, 1978; lowest measured, 14.24 ft above sea level, May 29 and June 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

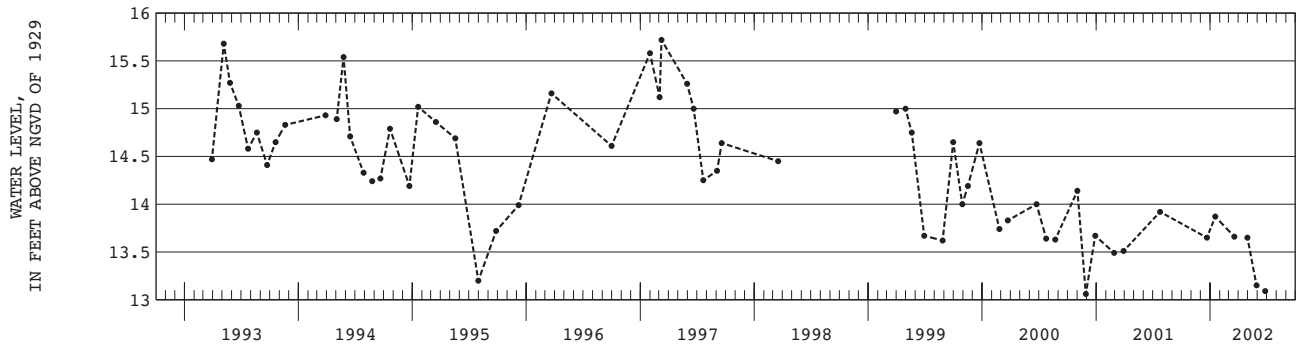
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	14.79	JAN 17	14.99	MAR 19	14.74	APR 30	14.71	MAY 29	14.24	JUN 26	14.24



404357072515703. Local number, S52164.1
LOCATION.--Lat 40°43'57", long 72°51'57", Hydrologic Unit 02030202, at Smith Point County Park, 50 ft south of traffic circle, westernnmost well. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 735 ft, screened 709 to 730 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 17.0 ft above sea level. Measuring point: Top of coupling, 4.14 ft above land-surface datum.
PERIOD OF RECORD.--December 1974 to March 1978, October 1980 to July 1986, and March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.57 ft above sea level, October 1, 1976; lowest measured, 13.06 ft above sea level, November 28, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	13.65	JAN 17	13.87	MAR 19	13.66	APR 30	13.65	MAY 29	13.15	JUN 26	13.09

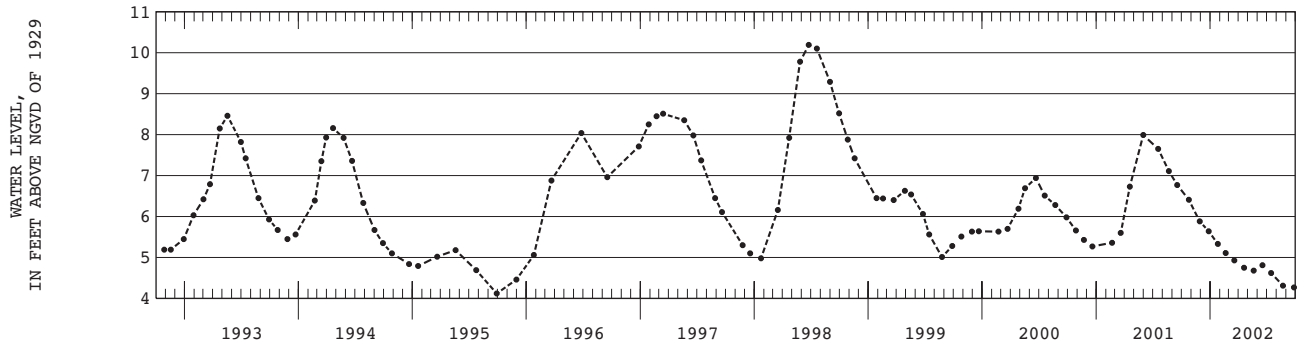


SUFFOLK COUNTY--Continued

410104072303301. Local number, S53324.1
LOCATION.--Lat 41°01'04", long 72°30'33", Hydrologic Unit 02030202, at east side of Alvahs Lane, 200 ft north of Middle Road (State Route 27), Southold. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 62 ft, screened 49 to 59 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 42.0 ft above sea level. Measuring point: Top of 6-in steel flange, 0.51 ft above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.32 ft above sea level, September 28, 1989; lowest measured, 3.52 ft above sea level, November 20, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

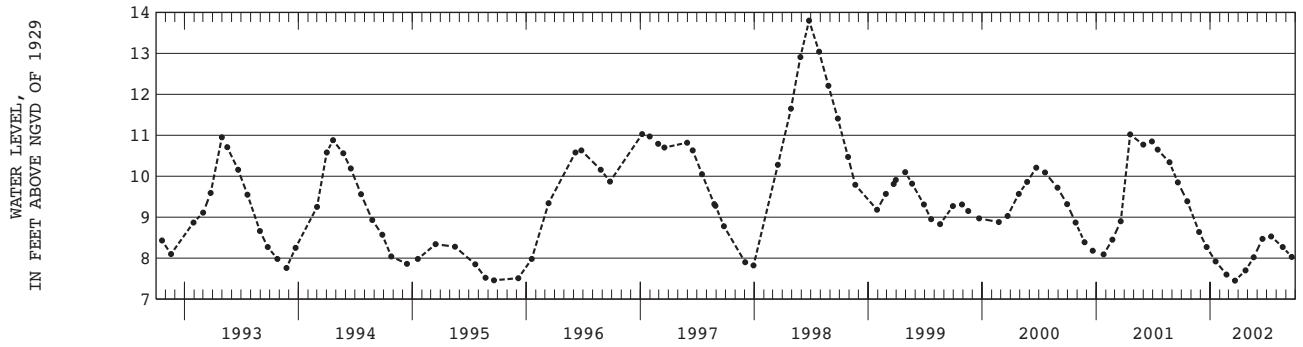
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.41	DEC 27	5.64	FEB 19	5.11	APR 19	4.75	JUN 17	4.81	AUG 22	4.31
NOV 28	5.88	JAN 25	5.33	MAR 19	4.93	MAY 20	4.68	JUL 15	4.62	SEP 26	4.27



404642072520001. Local number, S54882.1
LOCATION.--Lat 40°46'42", long 72°52'00", Hydrologic Unit 02030202, at grassy divide between Margin Drive West and William Floyd Parkway, 156 ft south of Ranch Avenue, Shirley. 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 33.0 ft above sea level. Measuring point: Top of 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, 13.80 ft above sea level, June 25, 1998; lowest measured, 6.48 ft above sea level, December 15, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

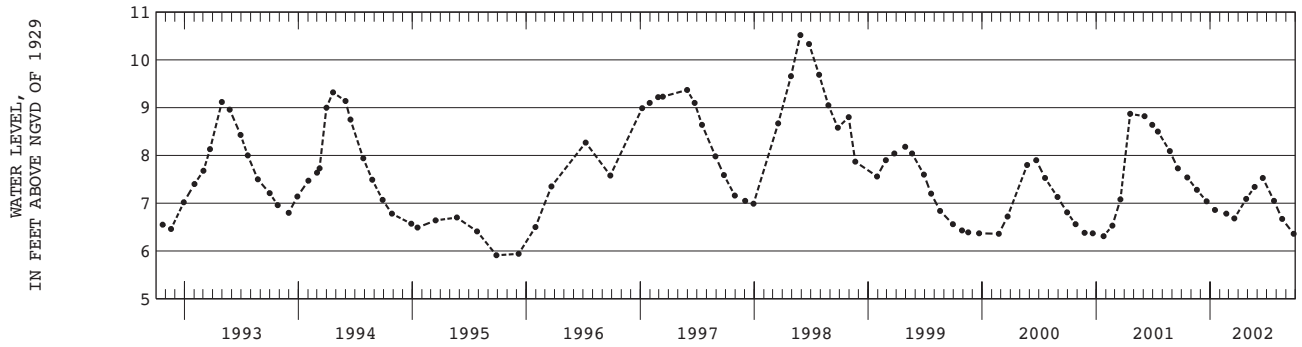
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.39	DEC 20	8.27	FEB 22	7.60	APR 24	7.70	JUN 17	8.47	AUG 21	8.27
NOV 26	8.64	JAN 18	7.92	MAR 21	7.45	MAY 20	8.02	JUL 15	8.53	SEP 19	8.03



410052072134001. Local number, S57371.1
LOCATION.--Lat 41°00'55", long 72°13'42", Hydrologic Unit 02030202, at west side of Old Northwest Road, 0.9 mi south of Alewive Brook Road, Grassy Hollow. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 62 ft, screened 58 to 62 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 24.0 ft above sea level. Measuring point: Top of coupling, 0.30 ft below land-surface datum.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.52 ft above sea level, May 28, 1998; lowest measured, 5.80 ft above sea level, December 17, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

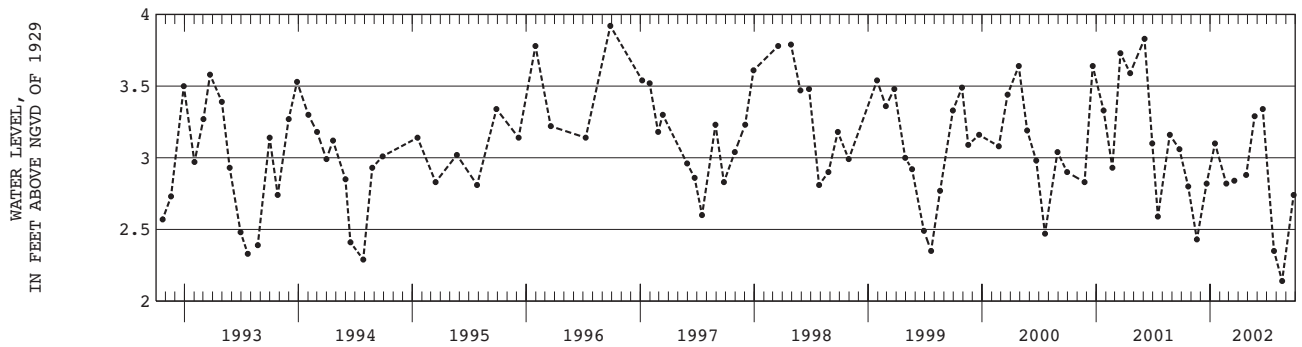
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	7.54	DEC 20	7.04	FEB 21	6.78	APR 26	7.09	JUN 18	7.53	AUG 19	6.67
NOV 19	7.28	JAN 16	6.86	MAR 19	6.68	MAY 23	7.34	JUL 24	7.05	SEP 25	6.36



405927072041901. Local number, S57372.1
LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at south side of Montauk Highway (State Route 27), 2.4 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 8.0 ft above sea level. Measuring point: Top of coupling, 0.15 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year. Unpublished records from January 1976 to September 1983 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft above sea level, July 18, 1989; lowest measured, 2.14 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	2.80	DEC 20	2.82	FEB 21	2.82	APR 26	2.88	JUN 18	3.34	AUG 19	2.14
NOV 19	2.43	JAN 16	3.10	MAR 19	2.84	MAY 23	3.29	JUL 24	2.35	SEP 25	2.74

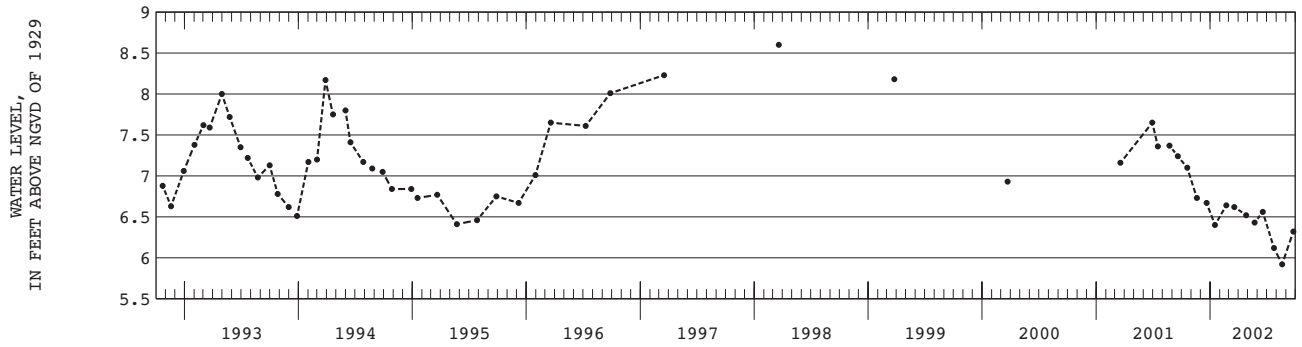


SUFFOLK COUNTY--Continued

405559072145901. Local number, S60123.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, northern middle well, Wainscott. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 280 ft, screened 270 to 280 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of casing, 0.02 ft above land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.69 ft above sea level, June 20, 1984; lowest measured, 5.92 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

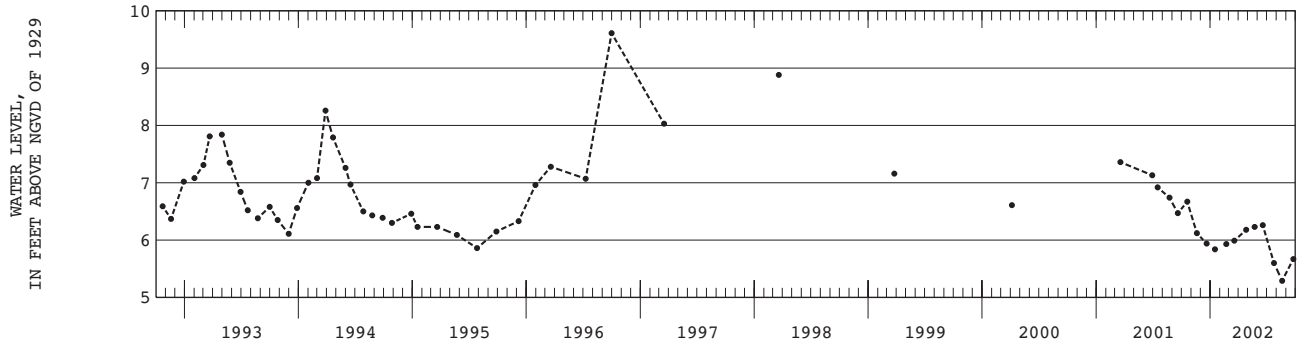
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	7.10	DEC 20	6.67	FEB 21	6.64	APR 26	6.52	JUN 18	6.56	AUG 19	5.92
NOV 19	6.73	JAN 16	6.40	MAR 19	6.62	MAY 23	6.43	JUL 24	6.12	SEP 24	6.32



405600072150002. Local number, S62395.1
LOCATION.--Lat 40°56'00", long 72°15'00", Hydrologic Unit 02030202, at southwest corner of Wainscott Hollow Road and Wainscott Main Street, southernmost well, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 2 in., depth 14 ft, screened 10 to 14 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of coupling, 0.51 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.61 ft above sea level, September 30, 1996; lowest measured, 5.29 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	6.67	DEC 20	5.94	FEB 21	5.93	APR 26	6.18	JUN 18	6.26	AUG 19	5.29
NOV 19	6.12	JAN 16	5.84	MAR 19	5.99	MAY 23	6.23	JUL 24	5.60	SEP 24	5.67

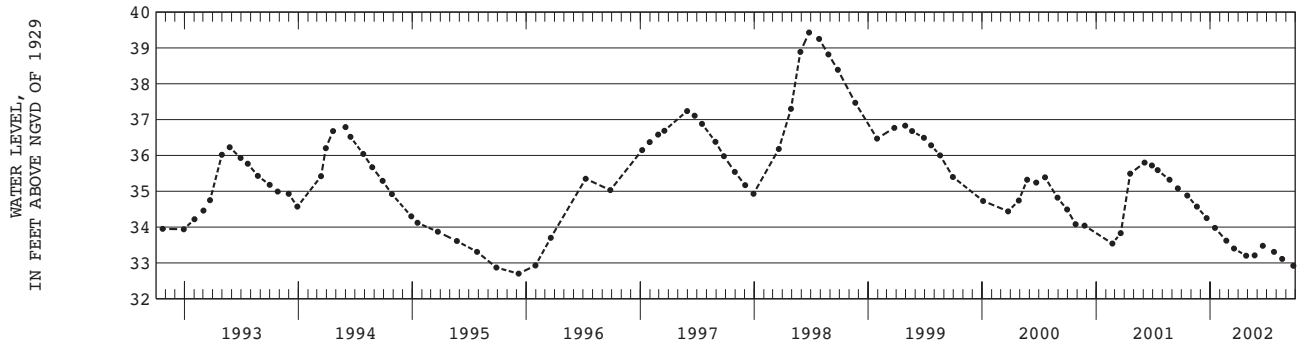


SUFFOLK COUNTY--Continued

415843072213401. Local number, S62402.1
LOCATION.--Lat 40°58'58", long 72°21'36", Hydrologic Unit 02030202, at south end of Club Lane, 587 ft east of Wildwood Road, Noyack. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 84 ft, screened 80 to 84 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 99.3 ft above sea level. Measuring point: Top of 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, 39.43 ft above sea level, June 25, 1998; lowest measured, 32.58 ft above sea level, December 5, 1986

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

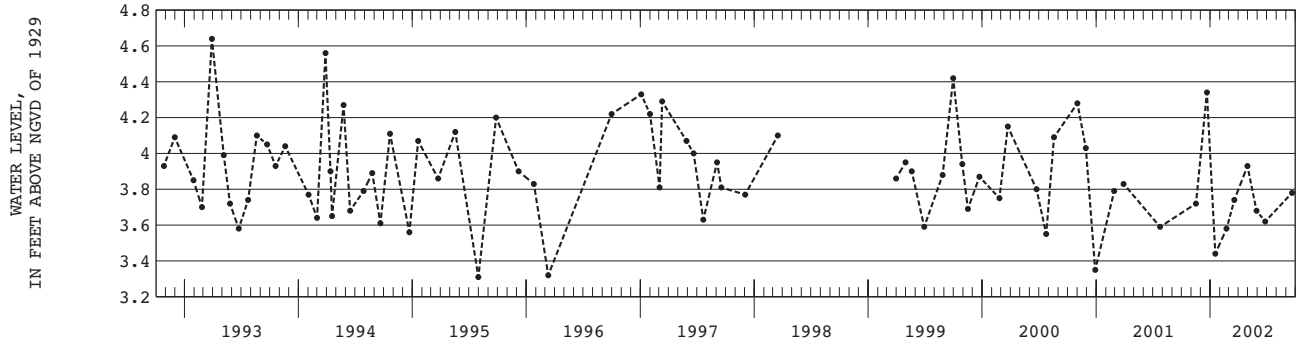
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	34.88	DEC 20	34.25	FEB 21	33.62	APR 26	33.20	JUN 18	33.48	AUG 19	33.11
NOV 19	34.57	JAN 16	33.98	MAR 18	33.40	MAY 23	33.21	JUL 24	33.31	SEP 24	32.92



403935073235001. Local number, S66136.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road across from Harding Road, easternmost well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, casing diameter 6 in., screen diameter 4 in., depth 134 ft, screened 124 to 134 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 5.0 ft above sea level. Measuring point: Top of casing, 2.43 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--October 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft above sea level, March 4, 1991; lowest measured, 3.31 ft above sea level, July 31, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	3.72	JAN 17	3.44	MAR 19	3.74	MAY 29	3.68	SEP 20	3.78		
DEC 21	4.34	FEB 22	3.58	APR 30	3.93	JUN 26	3.62				

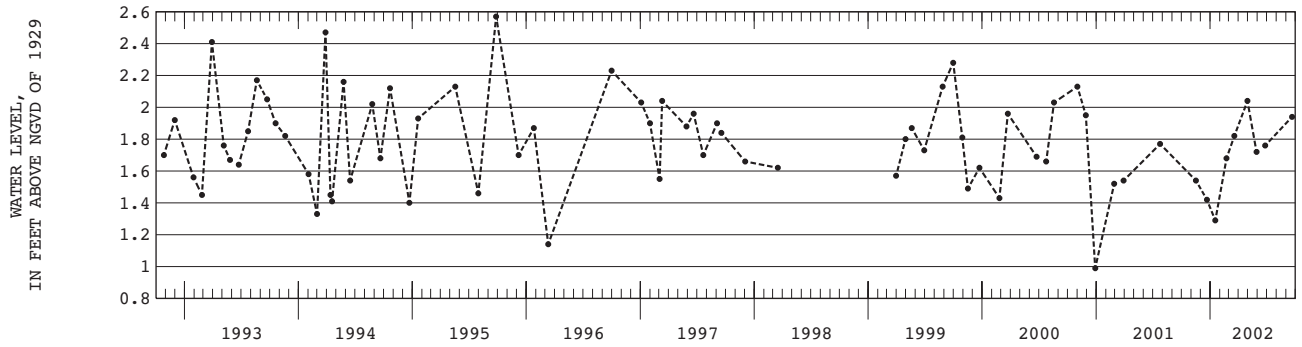


SUFFOLK COUNTY--Continued

403935073235002. Local number, S67537.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, eastern middle well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 61 ft, screened 56 to 61 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.8 ft above sea level. Measuring point: Top of 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, 2.57 ft above sea level, September 26, 1995; lowest measured, 0.80 ft above sea level, June 15, 1990.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

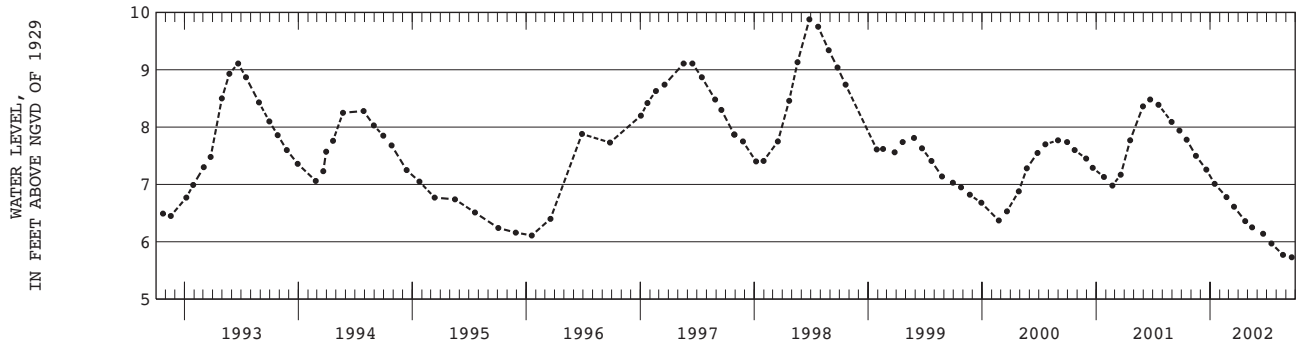
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	1.54	JAN 17	1.29	MAR 19	1.82	MAY 29	1.72	SEP 20	1.94		
DEC 21	1.42	FEB 22	1.68	APR 30	2.04	JUN 26	1.76				



405529073272901. Local number, S69781.1
LOCATION.--Lat 40°55'29", long 73°27'29", Hydrologic Unit 02030201, at Caumsett State Park, 1.0 mi northeast of parking field, on park service road, Lloyd Neck. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 155 ft, screened 139 to 149 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 109.0 ft above sea level. Measuring point: Top of coupling, 0.66 ft below land-surface datum.
PERIOD OF RECORD.--April 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.88 ft above sea level, June 26, 1998; lowest measured, 5.73 ft above sea level, September 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

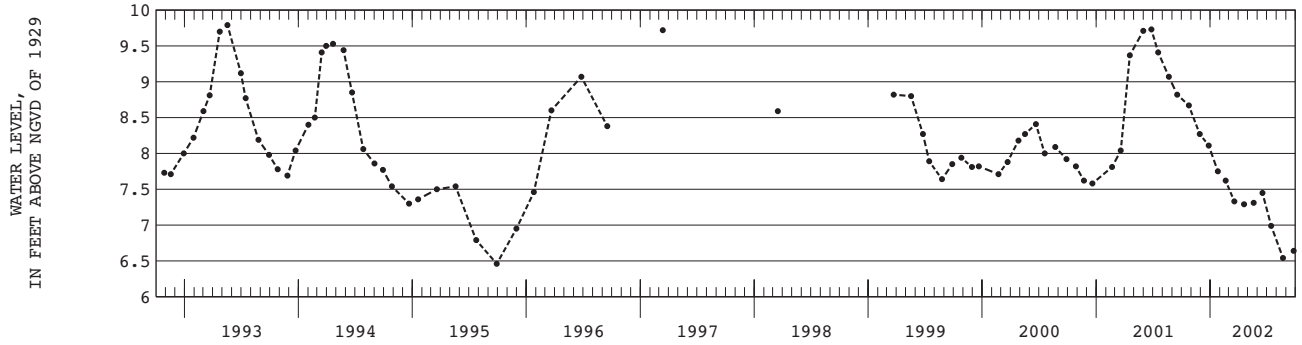
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	7.78	DEC 19	7.26	FEB 22	6.78	APR 23	6.36	JUN 19	6.14	AUG 22	5.77
NOV 16	7.50	JAN 15	7.01	MAR 18	6.61	MAY 15	6.25	JUL 16	5.97	SEP 19	5.73



405801072354401. Local number, S71576.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, 1.6 mi north of Main Road (State Route 25), southern middle well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 453 ft, screened 443 to 448 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 53.0 ft above sea level. Measuring point: Top of coupling, 1.16 ft below land-surface datum.
PERIOD OF RECORD.--February 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.02 ft above sea level, September 27, 1984; lowest measured, 6.46 ft above sea level, September 28, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

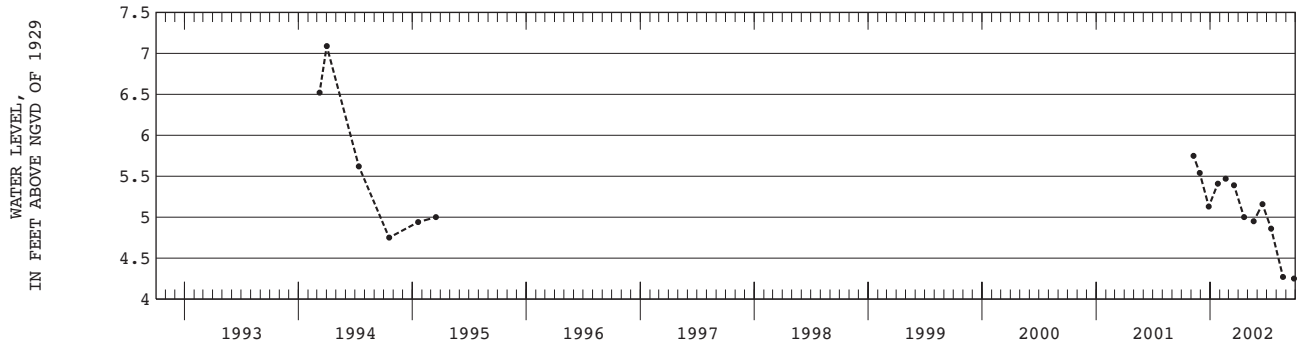
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.67	DEC 27	8.11	FEB 19	7.62	APR 19	7.29	JUN 17	7.45	AUG 22	6.54
NOV 28	8.27	JAN 25	7.75	MAR 19	7.33	MAY 20	7.31	JUL 15	6.99	SEP 25	6.64



410438072213201. Local number, S73974.1
LOCATION.--Lat 41°04'38", long 72°21'32", Hydrologic Unit 02030202, at Shelter Island Country Club and Golf Course, west side of fairway to 6th green, at edge of woods, 3000 ft north of West Neck Road, Shelter Island. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 42 ft, screened 40 to 42 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 38.5 ft above sea level. Measuring point: Top of casing, 0.53 ft above land-surface datum.
PERIOD OF RECORD.--March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.87 ft above sea level, March 19, 1990; lowest measured, 4.25 ft above sea level, September 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	5.75	DEC 27	5.13	FEB 19	5.47	APR 19	5.00	JUN 17	5.16	AUG 22	4.27
28	5.54	JAN 25	5.41	MAR 18	5.39	MAY 20	4.95	JUL 15	4.86	SEP 26	4.25

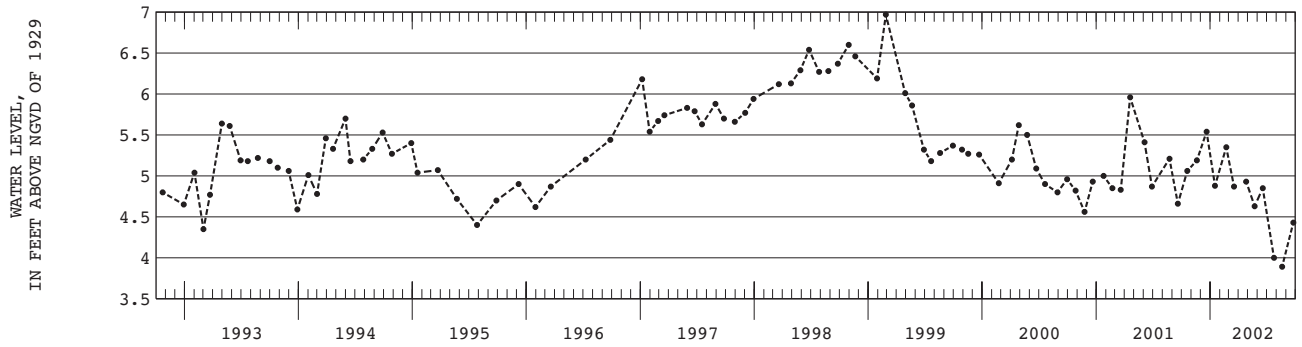


SUFFOLK COUNTY--Continued

405858072213601. Local number, S73998.1
LOCATION.--Lat 40°58'58", long 72°21'35", Hydrologic Unit 02030202, at south end of Club Lane, 624 ft west of Wildwood Road, near Highway Department entrance, southernmost well, Noyack. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 $^{1}/_{4}$ in., depth 803 ft, screened 795 to 800 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 99.7 ft above sea level. Measuring point: Top of casing, 0.20 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.97 ft above sea level, February 26, 1999; lowest measured, 3.89 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

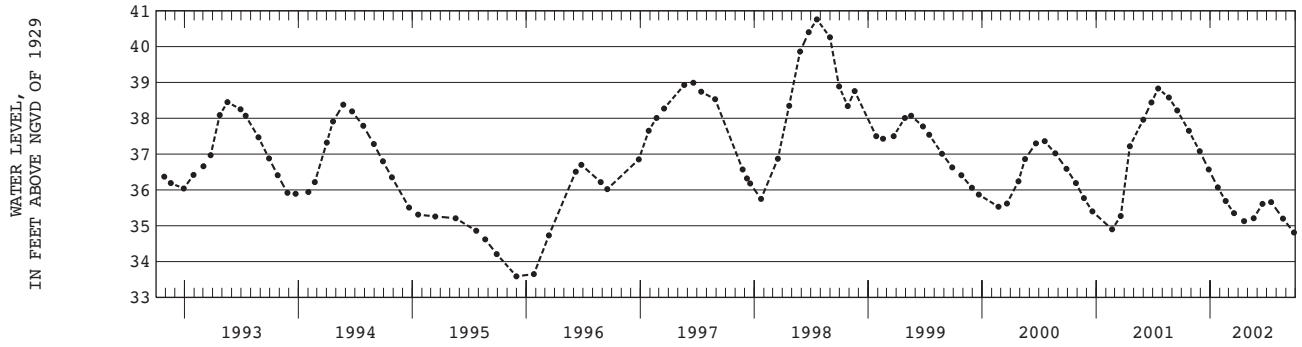
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.06	DEC 20	5.54	FEB 21	5.35	APR 26	4.93	JUN 18	4.85	AUG 19	3.89
NOV 19	5.19	JAN 16	4.88	MAR 18	4.87	MAY 23	4.63	JUL 24	4.00	SEP 24	4.43



405322072454101. Local number, S74292.1
LOCATION.--Lat 40°53'23", long 72°45'43", Hydrologic Unit 02030202, at south side of Mill Road, opposite Primrose Path, Brookhaven. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 56 ft, screened 52 to 56 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 73.0 ft above sea level. Measuring point: Top of coupling, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.22 ft above sea level, June 21, 1984; lowest measured, 33.59 ft above sea level, November 30, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	37.65	DEC 27	36.57	FEB 19	35.69	APR 19	35.13	JUN 17	35.61	AUG 22	35.20
NOV 28	37.08	JAN 25	36.07	MAR 18	35.35	MAY 20	35.21	JUL 15	35.66	SEP 26	34.81

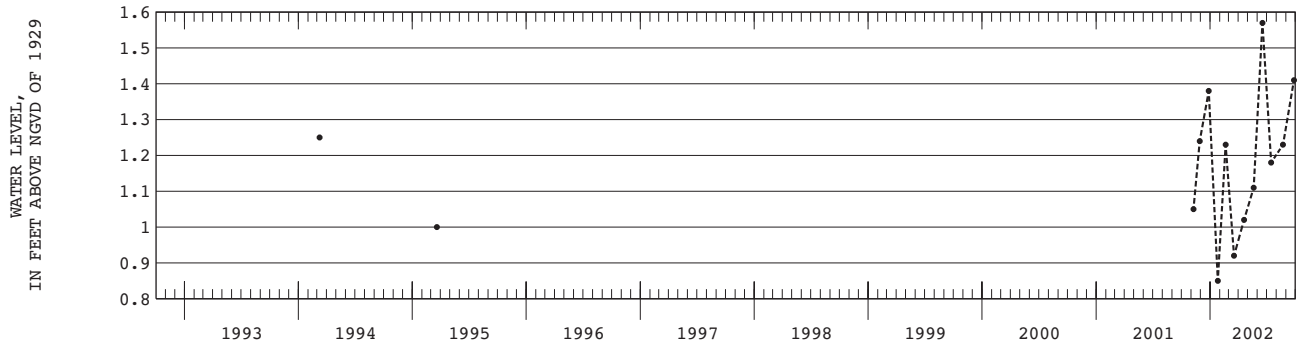


SUFFOLK COUNTY--Continued

410439072173501. Local number, S75432.2
LOCATION.--Lat 41°04'39", long 72°17'35", Hydrologic Unit 02030202, at south side of South Ram Island Drive and east side of Tuthill Drive, Shelter Island. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 29 ft, screened 24 to 29 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.57 ft above sea level, June 17, 2002; lowest measured, 0.85 ft above sea level, January 25, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

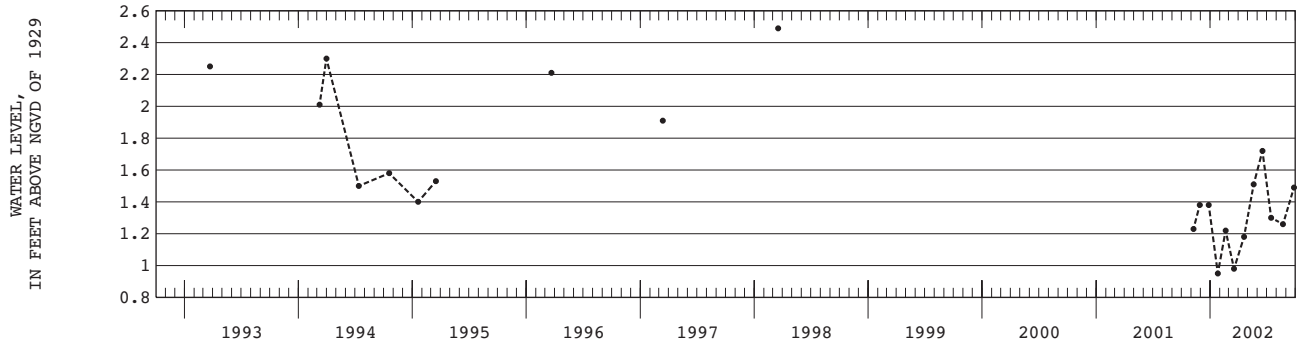
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	1.05	DEC 27	1.38	FEB 19	1.23	APR 19	1.02	JUN 17	1.57	AUG 22	1.23
28	1.24	JAN 25	.85	MAR 18	.92	MAY 20	1.11	JUL 15	1.18	SEP 26	1.41



410309072205601. Local number, S75438.1
LOCATION.--Lat 41°03'19", long 72°20'55", Hydrologic Unit 02030202, at east side of Menantic Road, 140 ft south of Conrad Road, and 244 ft north of Evans Road, Shelter Island. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 23 ft, screened 18 to 23 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 11.0 ft above sea level. Measuring point: Top of casing, 0.16 ft below land-surface datum.
PERIOD OF RECORD.--February 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft above sea level, March 18, 1998; lowest measured, 0.95 ft above sea level, January 25, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 08	1.23	DEC 27	1.38	FEB 19	1.22	APR 19	1.18	JUN 17	1.72	AUG 22	1.26
28	1.38	JAN 25	.95	MAR 18	.98	MAY 20	1.51	JUL 15	1.30	SEP 26	1.49

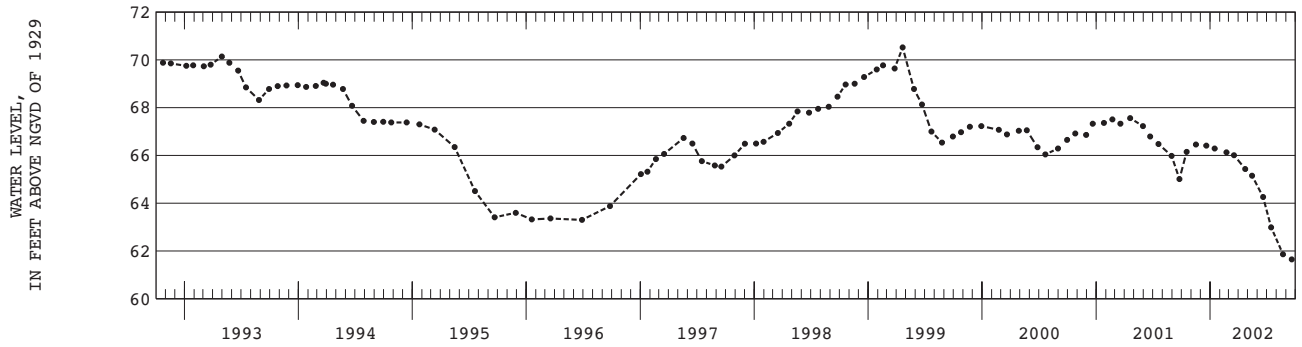


SUFFOLK COUNTY--Continued

404859073194002. Local number, S75454.2
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 154 ft north of parking lot, northernmost well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 740 ft, screened 730 to 735 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 230.7 ft above sea level. Measuring point: Top of casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.05 ft above sea level, March 21, 1991; lowest measured, 61.65 ft above sea level, September 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

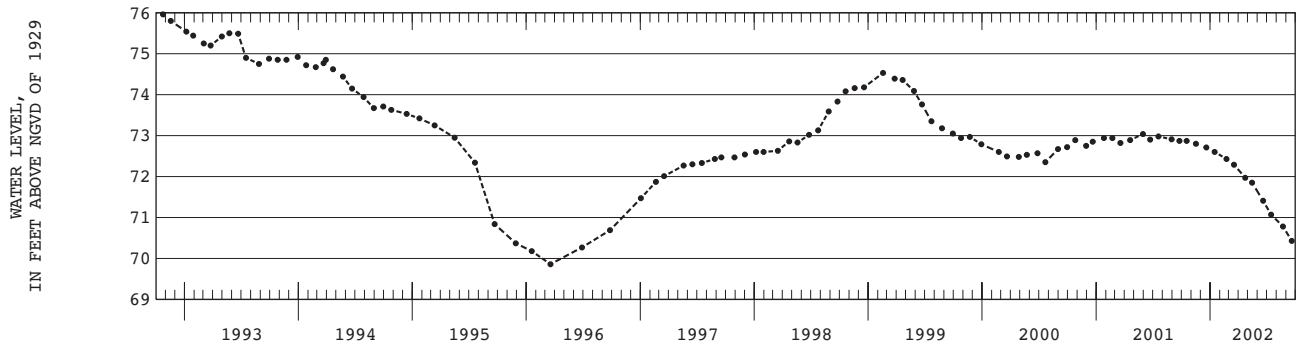
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	66.15	DEC 19	66.41	FEB 22	66.13	APR 23	65.43	JUN 19	64.26	AUG 22	61.86
NOV 16	66.46	JAN 15	66.29	MAR 18	66.01	MAY 15	65.15	JUL 15	62.99	SEP 19	61.65



404859073194004. Local number, S75456.1
LOCATION.--Lat 40°48'59", long 73°19'40", Hydrologic Unit 02030202, at Dix Hills Park and Golf Course, 180 ft west of DeForest Road, 134 ft north of parking lot, southernmost well, Dix Hills. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 203 ft, screened 195 to 200 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 230.5 ft above sea level. Measuring point: Top of coupling, 0.98 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.96 ft above sea level, November 20, 1991; lowest measured, 69.86 ft above sea level, March 18, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

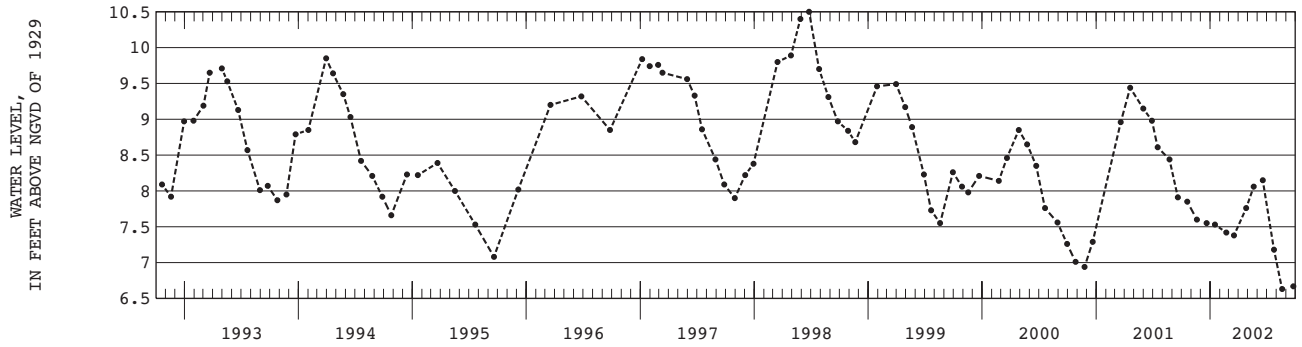
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	72.87	DEC 19	72.71	FEB 22	72.43	APR 23	71.97	JUN 19	71.41	AUG 22	70.78
NOV 16	72.80	JAN 15	72.60	MAR 18	72.29	MAY 15	71.85	JUL 15	71.07	SEP 19	70.43



405317072331902. Local number, S77435.1
LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at south side of dirt road, 145 ft east of Riverhead-Hampton Bays Road (State Route 24), 195 ft south of Bellows Pond Road, easternmost well, Rampasture. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 2 in., depth 27 ft, screened 25 to 27 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 18.8 ft above sea level. Measuring point: Top of coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.50 ft above sea level, June 25, 1998; lowest measured, 6.63 ft above sea level, August 19, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

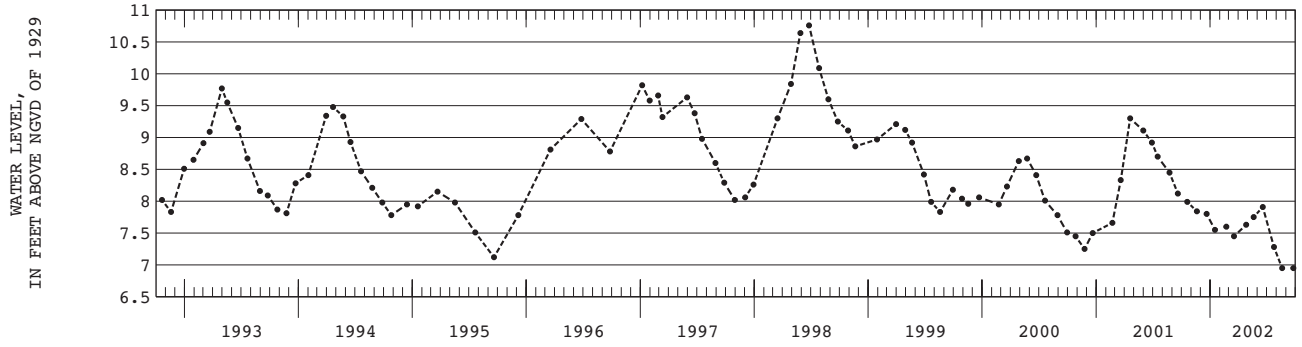
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	7.85	DEC 20	7.55	FEB 21	7.42	APR 26	7.76	JUN 18	8.15	AUG 19	6.63
NOV 19	7.60	JAN 16	7.53	MAR 18	7.38	MAY 20	8.06	JUL 24	7.18	SEP 24	6.67



405317072331903. Local number, S77436.2
LOCATION.--Lat 40°53'17", long 72°33'18", Hydrologic Unit 02030202, at south side of dirt road, 138 ft east of Riverhead-Hampton Bays Road (State Route 24), 195 ft south of Bellows Pond Road, westernmost well, Rampasture. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 508 ft, screened 500 to 505 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 18.7 ft above sea level. Measuring point: Top of coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.76 ft above sea level, June 25, 1998; lowest measured, 6.94 ft above sea level, September 22, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	7.99	DEC 20	7.80	FEB 21	7.60	APR 26	7.63	JUN 18	7.91	AUG 19	6.95
NOV 19	7.84	JAN 16	7.55	MAR 18	7.45	MAY 20	7.75	JUL 24	7.28	SEP 24	6.95

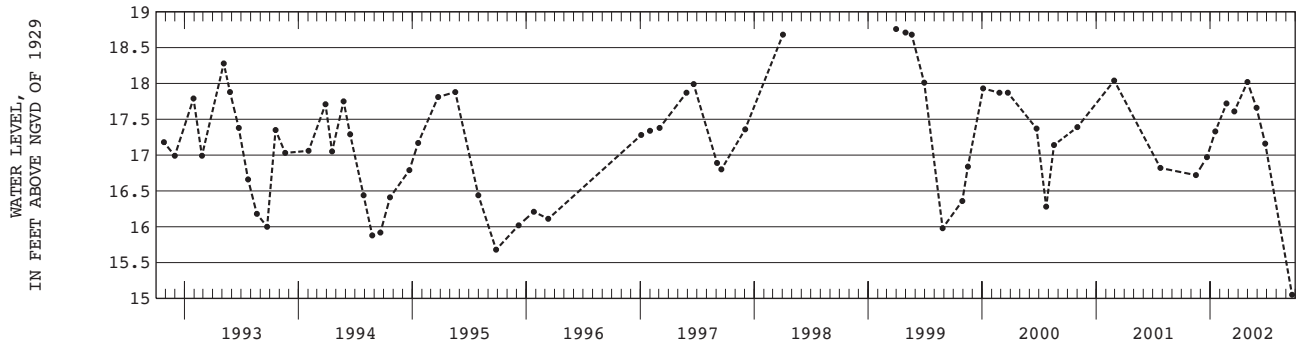


SUFFOLK COUNTY--Continued

403935073235003. Local number, S79407.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, western middle well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 1,219 ft, screened 1,192 to 1,214 ft.
INSTRUMENTATION.--Measurement with clear plastic tube extension and stadia rod by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.8 ft above sea level. Measuring point: Top of valve stem, 0.38 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, 18.71 ft above sea level, April 30, 1999; lowest measured, 14.07 ft above sea level, September 30, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

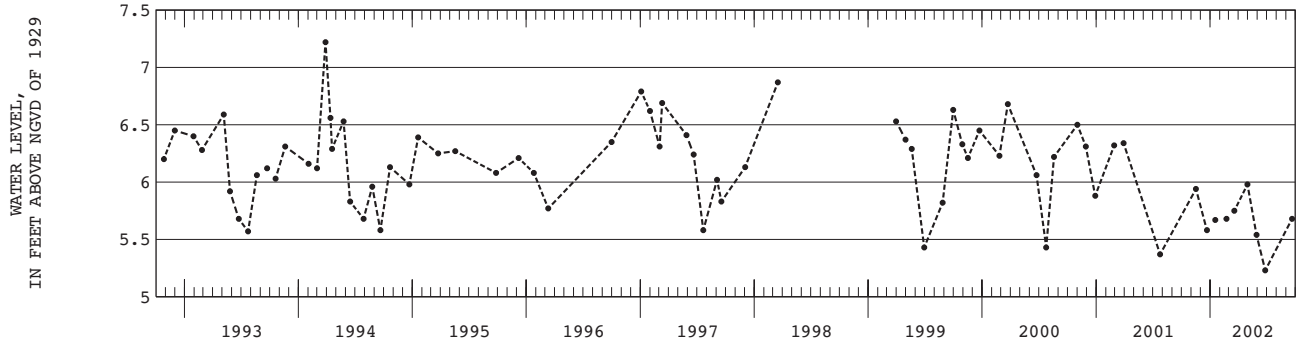
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	16.72	JAN 17	17.33	MAR 19	17.61	MAY 29	17.66	SEP 20	15.05		
DEC 21	16.97	FEB 22	17.72	APR 30	18.02	JUN 26	17.16				



403935073235004. Local number, S79408.1
LOCATION.--Lat 40°39'37", long 73°23'50", Hydrologic Unit 02030202, at Tanner Park, south side of Kerrigan Road, across from Harding Road, westernmost well, Copiague. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 4 in., depth 680 ft, screened 670 to 675 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.8 ft above sea level. Measuring point: Top of coupling, 0.58 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.22 ft above sea level, March 4, 1991; lowest measured, 5.23 ft above sea level, June 26, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

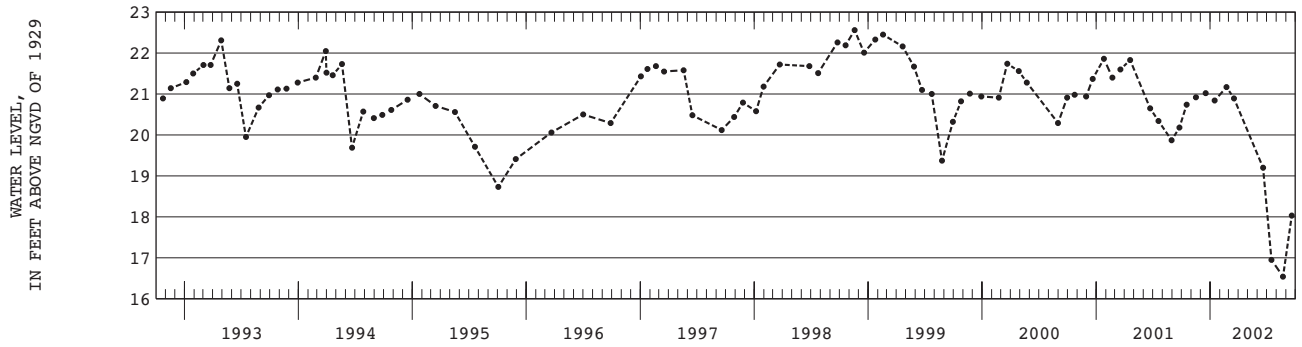
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	5.94	JAN 17	5.67	MAR 19	5.75	MAY 29	5.54	SEP 20	5.68		
DEC 21	5.58	FEB 22	5.68	APR 30	5.98	JUN 26	5.23				



405604073064302. Local number, S81831.1
LOCATION.--Lat 40°56'04", long 73°06'43", Hydrologic Unit 02030201, at north side of North Country Road (State Route 25A), 199 ft west of Ridgeway Avenue, East Setauket. Owner: Suffolk County Department of Environmental Conservation.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 470 ft, screened 462 to 467 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 94.0 ft above sea level. Measuring point: Top of coupling, 0.96 ft below land-surface datum.
PERIOD OF RECORD.--March 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.03 ft above sea level, February 13, 1991; lowest measured, 16.54 ft above sea level, August 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

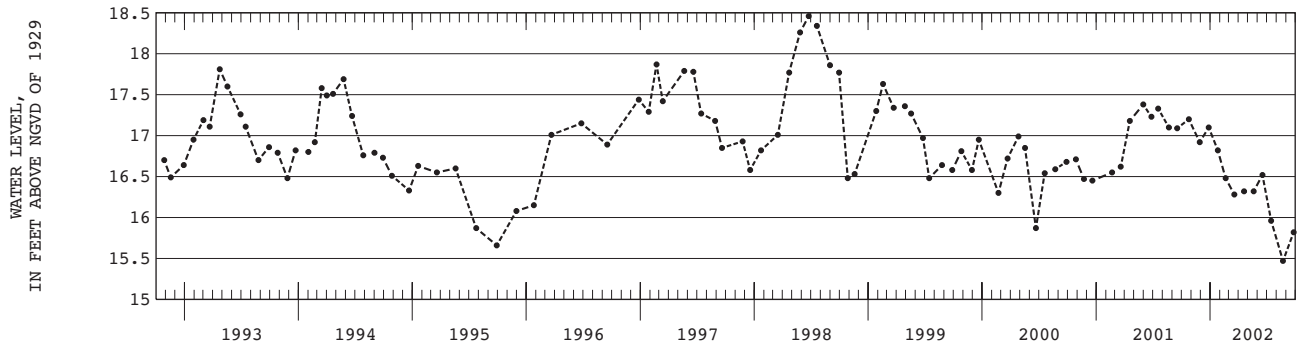
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	20.74	DEC 17	21.02	FEB 22	21.17	JUN 19	19.20	AUG 22	16.54		
NOV 16	20.92	JAN 15	20.84	MAR 18	20.89	JUL 16	16.95	SEP 19	18.03		



405536072375301. Local number, S82938.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island County Park, north side of main entrance road, 107 ft east of 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 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, 18.46 ft above sea level, June 24, 1998; lowest measured, 15.47 ft above sea level, August 22, 2002.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	17.20	DEC 27	17.10	FEB 19	16.48	APR 19	16.32	JUN 17	16.52	AUG 22	15.47
NOV 28	16.92	JAN 25	16.82	MAR 19	16.28	MAY 20	16.32	JUL 15	15.96	SEP 25	15.82

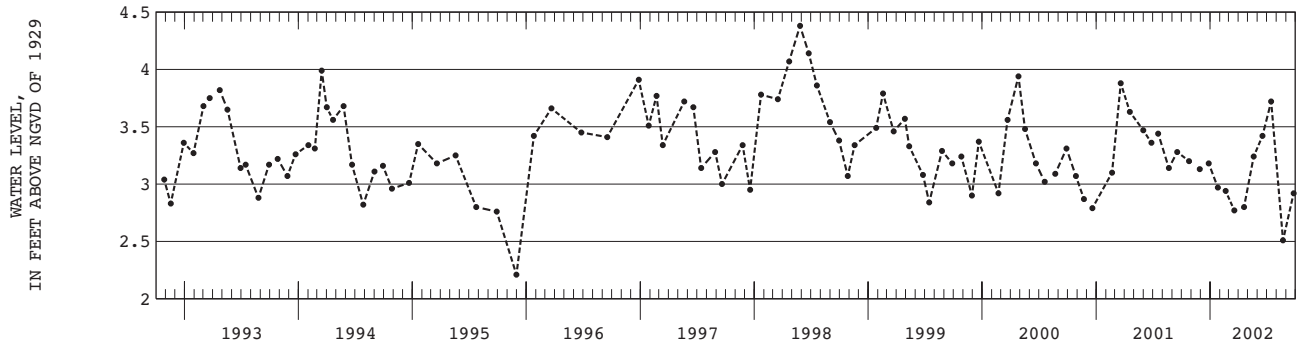


SUFFOLK COUNTY--Continued

405536072375302. Local number, S82939.1
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, at Indian Island County Park, north side of main entrance road, 107 ft east of 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 steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 21.0 ft above sea level. Measuring point: Top of 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, 4.38 ft above sea level, May 27, 1998; lowest measured, 2.21 ft above sea level, November 30, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

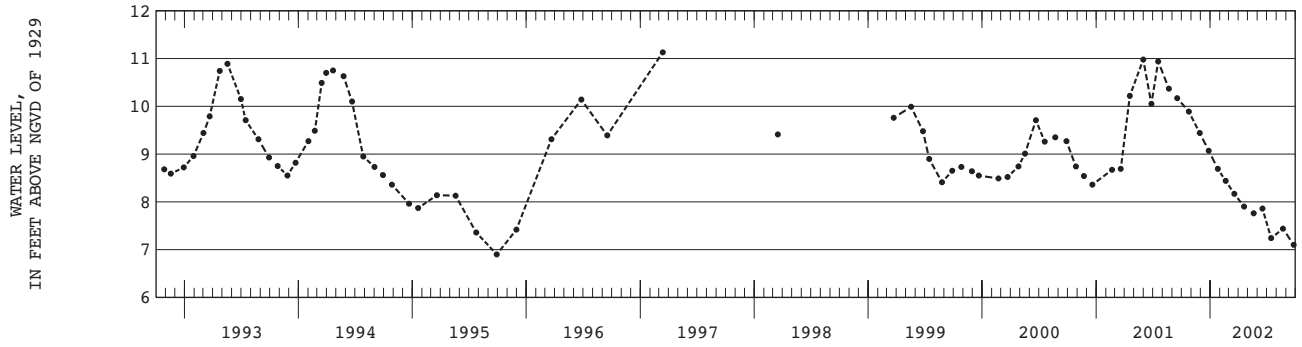
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	3.20	DEC 27	3.18	FEB 19	2.94	APR 19	2.80	JUN 17	3.42	AUG 22	2.51
NOV 28	3.13	JAN 25	2.97	MAR 19	2.77	MAY 20	3.24	JUL 15	3.72	SEP 25	2.92



410038072284202. Local number, S91814.1
LOCATION.--Lat 40°58'01", long 72°35'44", Hydrologic Unit 02030202, at east side of Manor Lane, south of Sound Avenue, 155 ft north of power lines, southernmost well, Jamesport. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 77 ft, screened 67 to 72 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 53.0 ft above sea level. Measuring point: Top of coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.69 ft above sea level, June 18, 1990; lowest measured, 5.77 ft above sea level, October 31 and November 4, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.89	DEC 27	9.07	FEB 19	8.44	APR 19	7.90	JUN 17	7.86	AUG 22	7.44
NOV 28	9.44	JAN 25	8.69	MAR 19	8.17	MAY 20	7.76	JUL 15	7.24	SEP 25	7.10



MISCELLANEOUS SITES

Station number	Local number	Lat-itude	Long-itude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404057073583701	K 19. 1	404058	0735840	112JMCO	07-29-1954	46.9	--	--	03-21-2002	7.73
403503073525101	K 1057. 1	403503	0735251	211LLYD	06-03-1944	13.0	--	--	03-21-2002	4.95
403750073571701	K 3132. 1	403750	0735717	112JMCO	03-17-1982	31.0	259	300	03-22-2002	4.44
403748073422603	N 1115. 3	403748	0734226	112GLCLU	03-28-1990	22.0	--	--	03-15-2002	7.23
403637073434502	N 1422. 2	403637	0734345	112GLCLU	12-28-1964	16.0	--	--	03-22-2002	5.73
404052073414201	N 1613. 1	404052	0734142	211MGTY	01-29-1968	25.0	--	--	03-21-2002	12.25
403621073441801	N 3862. 2	403621	0734418	211MGTY	02-01-1968	8.0	295	306	03-22-2002	3.54
403621073441702	N 4062. 1	403621	0734418	112JMCO	02-01-1968	8.0	137	142	03-22-2002	4.41
403642073433201	N 6510. 1	403642	0734332	211MGTY	07-25-1958	8.0	455	461	03-22-2002	4.10
405018073395301	N 7244. 1	405018	0733954	112PGQF	12-04-1981	13.9	292	302	03-15-2002	13.99
404544073265502	N 7397. 2	404544	0732655	112GLCLU	04-27-1984	154.0	96	101	03-22-2002	65.16
404730073423101	N 8877. 1	404730	0734231	112GLCLU	09-13-1972	12.0	71	76	03-15-2002	10.52
404606073434101	N 8970. 1	404606	0734341	112GLCLU	07-11-1973	154.0	188	193	03-21-2002	29.61
405131073405802	N 9116. 1	405131	0734058	112GLCLU	04-20-1976	15.0	26	31	03-15-2002	6.76
405144073432902	N 9118. 1	405144	0734329	112GLCLU	04-14-1976	51.0	95	100	03-15-2002	3.49
404748073385705	N 9313. 1	404748	0733857	112GLCLU	07-06-1977	58.0	--	--	03-15-2002	44.37
404347073260702	N 9662. 1	404347	0732607	112GLCLU	03-12-1981	68.8	52	57	03-22-2002	45.18
404103073373306	N 9694. 1	404936	0734044	112GLCLU	08-23-1995	154.0	178	189	03-15-2002	111.03
404713073445401	N 9892. 1	404713	0734454	112GLCLU	03-18-1983	32.0	35	45	03-15-2002	10.16
404827073422301	N 9899. 1	404827	0734223	112GLCLU	11-07-1991	43.0	25	35	03-15-2002	13.62
404817073413501	N 9902. 1	404817	0734135	112GLCLU	04-01-1994	133.0	80	100	03-27-2002	75.01
404805073401001	N 9906. 1	404805	0734010	112GLCLU	11-05-1991	168.0	95	125	03-15-2002	85.52
404404073420201	N 9983. 1	404404	0734202	211MGTY	12-17-1982	108.0	91	96	03-21-2002	40.10
403959073434301	N 10001. 1	403959	0734343	112GLCLU	03-20-1990	16.0	--	--	03-21-2002	7.64
404821073430501	N 10192. 1	404821	0734305	211LLYD	01-14-1985	24.0	343	348	03-15-2002	8.11
404823073265901	N 10607. 1	404823	0732659	211MGTY	03-27-1990	260.5	--	--	03-22-2002	73.12
404910073271601	N 10608. 1	404910	0732716	--	03-26-1990	249.0	--	--	03-22-2002	68.41
403511073450901	N 10620. 1	403511	0734509	211LLYD	11-23-1987	4.0	1140	1150	07-15-2002	9.57
405030073282101	N 12075. 1	405030	0732821	211LLYD	04-14-1993	198.0	830	850	03-28-2002	36.31
405146073420701	N 12151. 1	405146	0734207	112PGQF	03-26-1993	73.0	333	348	03-15-2002	6.35
404708073433301	N 12154. 1	404708	0734333	211LLYD	03-25-1993	--	495	515	03-21-2002	14.64
405048073431401	N 12190. 1	405048	0734314	112PGQF	06-24-1993	--	215	235	03-27-2002	4.78
405010073415009	N 12232. 1	405010	0734150	211LLYD	07-30-1993	--	364	384	03-15-2002	6.96
404310073260201	N 12239. 1	404310	0732602	112GLCLU	04-01-1994	--	30.6	40.6	03-22-2002	38.60
405036073412403	N 12240. 1	405036	0734124	112GLCLU	06-24-1993	--	50	60	03-15-2002	25.22
405036073412402	N 12241. 1	405036	0734124	--	06-24-1993	--	97	117	03-15-2002	26.90
404135073254101	N 12249. 1	404135	0732541	112GLCLU	04-07-1994	--	14.8	24.8	03-27-2002	21.13
405010073415011	N 12264. 1	405010	0734150	112GLCLU	07-30-1993	--	5	20	03-15-2002	7.45
405123073404402	N 12319. 1	405123	0734044	--	12-29-1993	--	365	385	03-27-2002	12.76
404707073433302	N 12470. 1	404707	0734333	--	05-27-1994	--	50	70	03-21-2002	44.17
404715073395501	N 12523. 1	404715	0733955	211LLYD	06-13-1995	--	748	768	03-15-2002	12.71
404921073415401	N 12793. 1	404921	0734154	211LLYD	03-15-2002	--	390	410	03-15-2002	3.01
404550073500802	Q 34. 2	404553	0735008	211LLYD	02-12-1946	36.0	--	--	03-29-2002	8.14
404257073493701	Q 273. 1	404257	0734937	211LLYD	06-27-1952	26.0	308	438	03-19-2002	11.75
404141073471702	Q 562. 2	404140	0734716	211LLYD	02-26-1946	29.0	499	589	05-22-2002	7.49
404224073450301	Q 2300. 1	404224	0734503	211MGTY	03-22-1983	63.7	240	275	05-22-2002	20.00
404504073501801	Q 2418. 1	404504	0735018	112GLCLU	05-09-1967	6.4	48	60	03-29-2002	1.02
404135073440102	Q 2443. 1	404135	0734402	211MGTY	04-10-1984	55.6	320	360	05-22-2002	14.33
404202073491704	Q 3069. 2	404202	0734917	211LLYD	01-25-1977	65.0	510	550	05-22-2002	7.75
405327073184301	S 49. 1	405326	0731844	211LLYD	02-08-1946	132.0	747	762	04-04-2002	34.06
404659073141801	S 1815. 3	404659	0731418	112GLCLU	03-21-1984	72.5	50	54	03-21-2002	43.69
404509073152301	S 3516. 1	404509	0731523	112GLCLU	04-14-1942	60.0	--	--	03-29-2002	34.87
404918072560301	S 3530. 1	404918	0725603	112GLCLU	03-08-1907	65.6	--	--	04-05-2002	30.60
405121072415601	S 3539. 1	405121	0724156	112GLCLU	04-14-1942	79.0	--	--	03-18-2002	23.53
405607072393502	S 4523. 2	405607	0723935	112GLCLU	09-14-1981	17.4	--	--	03-19-2002	9.09
405220072493101	S 6441. 2	405220	0724931	--	02-22-1991	49.5	--	--	03-25-2002	35.73
405347072494001	S 6443. 1	405347	0724940	112GLCLU	02-02-1949	55.0	--	--	03-25-2002	49.28
405507072244402	S 8831. 2	405511	0722445	112GLCLU	07-08-1976	20.0	--	--	03-18-2002	6.69
405307072323503	S 8835. 2	405307	0723235	112GLCLU	09-18-1981	30.5	--	--	03-18-2002	7.12
404915072531801	S 9129. 1	404914	0725317	112GLCLU	07-08-1982	34.0	--	--	03-21-2002	13.77
404831072530501	S 9130. 1	404829	0725305	112GLCLU	06-23-1952	26.0	25	28	04-05-2002	10.61
404446073191801	S 9646. 1	404446	0731918	112GLCLU	02-25-1958	51.0	--	--	03-29-2002	37.80
404225073234201	S 10314. 1	404225	0732342	112GLCLU	01-29-1958	48.0	--	--	03-21-2002	27.07
404347073195501	S 10370. 1	404347	0731955	--	03-11-1958	38.0	--	--	03-29-2002	26.35
404433073212701	S 11204. 1	404433	0732127	--	01-29-1958	53.0	--	--	03-21-2002	39.84

MISCELLANEOUS SITES--Continued

Station number	Local number	Lat-itude	Long-itude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
404540073211001	S 11240. 1	404540	0732110	112GLCLU	01-29-1958	61.0	--	--	03-21-2002	50.80
405308073175101	S 15514. 1	405308	0731751	211MGTY	05-15-1984	200.0	533	593	03-21-2002	36.31
404200073252701	S 16480. 1	404200	0732527	112GLCLU	01-30-1958	39.0	35	45	03-21-2002	25.40
405843072352902	S 16756. 2	405843	0723529	112GLCLU	12-10-1975	61.0	59	62	03-19-2002	7.77
410356072260301	S 16780. 1	410356	0722603	112GLCLU	09-30-1958	43.0	47	50	03-19-2002	3.75
405355073174801	S 16883. 1	405355	0731748	112GLCLU	07-16-1958	56.8	--	--	03-29-2002	27.48
405446073180701	S 16884. 1	405446	0731807	112GLCLU	07-16-1958	34.0	40	43	03-18-2002	18.60
405040073175801	S 19057. 1	405040	0731758	211MGTY	04-15-1970	150.0	604	676	03-28-2002	55.09
404902073094001	S 22577. 1	404902	0730940	211MGTY	08-18-1964	60.0	724	734	03-18-2002	39.43
404902073094002	S 22578. 1	404902	0730940	211MGTY	08-18-1964	60.0	392	402	03-18-2002	39.42
404902073094003	S 22579. 1	404902	0730940	112GLCLU	08-18-1964	60.0	200	210	03-18-2002	39.17
404828073114002	S 22580. 1	404828	0731140	211MGTY	05-07-1964	123.0	792	802	03-29-2002	36.80
404828073114003	S 22581. 1	404828	0731140	211MGTY	08-10-1964	123.2	440	450	03-29-2002	37.93
405047073120601	S 23631. 1	405047	0731207	211MGTY	03-29-1977	40.0	494	595	03-26-2002	31.46
405140073222101	S 23998. 1	405140	0732221	211MGTY	03-17-1970	220.0	525	597	03-28-2002	55.47
404818073135904	S 24773. 1	404813	0731356	211MGTY	03-07-1966	118.4	412	422	03-18-2002	42.85
405716072505701	S 26780. 1	405716	0725057	112GLCLU	02-25-1970	21.7	--	--	03-19-2002	19.24
405124072353701	S 30230. 1	405124	0723537	211MGTY	03-12-1970	45.0	805	825	03-18-2002	10.88
405411072232901	S 31037. 1	405411	0722329	211MGTY	03-13-1980	36.0	--	--	04-02-2002	7.95
405838072114201	S 31653. 1	405837	0721137	211MGTY	03-27-1974	68.0	420	460	04-02-2002	10.32
404046073252101	S 32501. 1	404047	0732521	211MGTY	03-16-1972	26.0	560	630	03-21-2002	12.16
405336073073601	S 33500. 1	405340	0730735	211MGTY	03-12-1970	148.0	485	548	03-26-2002	42.01
405715072193701	S 33921. 1	405715	0721937	112GLCLU	01-22-1973	110.0	159	174	03-18-2002	17.19
405718072190401	S 33922. 1	405714	0721938	211MGTY	09-27-1972	110.0	405	445	04-02-2002	21.74
405246073142801	S 34460. 1	405250	0731429	211MGTY	03-12-1970	153.0	531	596	03-28-2002	34.82
405505072432201	S 36013. 1	405505	0724322	112GLCLU	10-29-1970	47.0	--	--	03-19-2002	20.65
404930073120002	S 36142. 2	404930	0731200	112GLCLU	07-30-1980	81.0	--	--	03-18-2002	41.17
404656073081401	S 36143. 1	404656	0730814	112GLCLU	10-29-1969	72.0	59	62	03-21-2002	30.10
405259072465601	S 36147. 1	405259	0724656	112GLCLU	03-10-1970	47.8	--	--	03-18-2002	33.93
405117072490301	S 36150. 1	405117	0724903	112GLCLU	06-23-1951	50.0	--	--	03-21-2002	31.69
404236073225001	S 37681. 1	404232	0732256	211MGTY	03-21-1977	42.0	--	--	03-21-2002	24.26
404921073122703	S 38491. 1	404920	0731225	211MGTY	05-11-1984	61.0	320	383	03-21-2002	36.74
405924072321501	S 39269. 1	405924	0723215	112GLCLU	03-30-1983	13.6	--	--	02-19-2002	2.75
405206073153002	S 40842. 2	405206	0731530	--	12-09-1975	91.6	60	63	03-18-2002	44.84
405510073063401	S 40849. 1	405510	0730634	112GLCLU	09-29-1971	80.5	--	--	03-18-2002	39.05
405646072564301	S 40852. 1	405656	0725643	112GLCLU	07-07-1971	114.6	95	97	03-19-2002	30.63
405610072562501	S 40853. 2	405610	0725625	112GLCLU	10-04-1985	100.2	74	78	03-25-2002	37.88
405223073021301	S 41050. 1	405222	0730213	112GLCLU	02-14-1972	89.4	67	69	03-19-2002	65.88
405357073194802	S 42681. 2	405354	0731948	112GLCLU	06-22-1983	83.5	75	80	03-18-2002	30.16
405016073200101	S 42682. 1	405016	0732001	112GLCLU	11-13-1972	159.2	--	--	03-18-2002	70.86
405335073073201	S 42683. 1	405335	0730732	112GLCLU	08-23-1972	145.7	--	--	03-18-2002	56.15
404305073161401	S 42762. 1	404305	0731615	211MGTY	03-14-1978	26.0	650	710	03-21-2002	17.16
404820073073402	S 43641. 1	404820	0730734	211MGTY	04-19-1984	99.9	--	--	03-21-2002	39.30
404124073241601	S 43809. 1	404124	0732416	112GLCLU	02-01-1974	34.0	24	34	03-21-2002	17.17
405132073181401	S 45207. 1	405132	0731814	112GLCLU	01-31-1974	165.0	134	144	03-19-2002	61.65
405005073233701	S 45208. 1	405005	0732337	112GLCLU	01-31-1974	185.3	123	133	03-18-2002	74.66
404945073174501	S 45210. 1	404945	0731745	112GLCLU	01-31-1974	130.2	97	107	03-18-2002	61.27
404508073080902	S 45636. 1	404508	0730809	112GLCLU	06-24-1974	14.1	17	27	03-27-2002	9.01
404804073204401	S 45638. 1	404804	0732044	211MGTY	03-19-1976	163.6	658	720	03-28-2002	65.83
405231073250500	S 46281. 1	405231	0732505	112GLCLU	01-31-1974	34.0	38	50	03-18-2002	19.65
404823073211800	S 46283. 1	404823	0732118	112GLCLU	01-31-1974	275.0	225	235	03-18-2002	68.16
405746072175901	S 46527. 1	405747	0721800	112GLCLU	11-21-1972	75.0	--	--	04-05-2002	20.07
405842072211401	S 46528. 1	405843	0722115	112GLCLU	11-22-1972	125.5	99	102	03-18-2002	37.34
405147072305001	S 46532. 1	405147	0723050	112GLCLU	12-01-1972	24.0	--	--	03-18-2002	2.90
405302072313501	S 46533. 1	405302	0723135	112GLCLU	12-01-1972	84.7	--	--	03-18-2002	5.84
405230072341901	S 46534. 1	405230	0723419	112GLCLU	01-09-1973	82.0	81	84	03-18-2002	10.00
405324072352101	S 46536. 1	405324	0723521	112GLCLU	09-24-1976	24.7	--	--	03-18-2002	10.46
405130072353101	S 46537. 1	405130	0723531	112GLCLU	12-08-1972	56.2	--	--	03-18-2002	11.32
405348072370401	S 46538. 1	405340	0723709	112GLCLU	12-01-1972	61.3	--	--	03-18-2002	22.28
405301072415101	S 46542. 1	405301	0724151	112GLCLU	12-08-1972	163.0	--	--	03-18-2002	25.51
405131072455701	S 46546. 1	405131	0724557	112GLCLU	12-11-1972	127.0	--	--	03-18-2002	28.73
405620073022001	S 46549. 1	405624	0730221	112GLCLU	12-20-1972	97.0	97	101	03-19-2002	23.76
404804072484101	S 46713. 1	404804	0724841	211MGTY	03-24-1977	20.0	385	440	03-28-2002	11.87
405230073164400	S 46965. 1	405230	0731644	112GLCLU	01-31-1974	166.0	138	148	03-18-2002	43.34
404952073470501	S 46966. 1	404952	0724705	112GLCLU	01-02-1974	89.0	72	82	03-18-2002	22.72
405417072402300	S 47230. 1	405417	0724023	112GLCLU	05-07-1974	22.0	20	32	03-18-2002	10.81
405407073001101	S 47310. 1	405407	0730011	211MGTY	03-30-1977	135.0	623	693	04-02-2002	49.88
404804073051300	S 47453. 1	404804	0730513	211MGTY	03-15-1978	100.0	380	440	03-26-2002	41.04
404829072463101	S 47489. 1	404829	0724631	112GLCLU	03-20-1973	--	25	31	03-21-2002	10.86

MISCELLANEOUS SITES--Continued

Station number	Local number	Lat-itude	Long-itude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405004072515400	S 47750. 1	405004	0725154	112GLCLU	03-01-1974	95.0	83	93	03-27-2002	26.71
404607072594701	S 47752. 1	404607	0725947	112GLCLU	01-02-1974	24.0	88	98	03-21-2002	7.41
405412072441401	S 47753. 1	405405	0724427	112GLCLU	01-07-1974	45.0	90	100	03-25-2002	23.92
405412072441402	S 47754. 1	405405	0724427	112GLCLU	01-07-1974	45.0	29	39	03-25-2002	23.93
404941072414801	S 48442. 1	404941	0724148	112GLCLU	01-02-1974	44.0	42	52	03-18-2002	11.99
410243071560101	S 48519. 1	410242	0715605	112GLCLU	01-08-1974	63.5	68	78	03-19-2002	2.71
405335072562903	S 49606. 1	405337	0725629	211MGTY	03-29-1983	75.0	307	367	04-02-2002	47.48
405120073085101	S 50500. 1	405120	0730851	112GLCLU	04-08-1974	118.0	81	85	03-18-2002	68.72
405059073085601	S 50501. 1	405059	0730757	112GLCLU	04-08-1974	73.6	60	64	03-18-2002	68.67
405010073103101	S 50505. 1	405010	0731031	112GLCLU	12-17-1973	50.0	6	10	03-18-2002	46.37
405146073141001	S 50512. 1	405146	0731410	112GLCLU	12-17-1973	84.5	--	--	03-18-2002	36.64
405100073152601	S 50513. 1	405100	0731526	112GLCLU	04-15-1974	93.0	57	61	03-18-2002	43.94
404432073151303	S 50546. 1	404432	0731513	211MGTY	03-14-1978	39.0	604	665	03-26-2002	24.21
404353073215801	S 51298. 1	404353	0732158	211MGTY	04-29-1984	54.3	--	--	03-28-2002	33.07
405808072385401	S 51568. 1	405808	0723854	112GLCLU	09-20-1974	56.0	58	68	03-19-2002	8.97
405805072403701	S 51571. 1	405805	0724037	112GLCLU	08-06-1974	88.0	95	105	03-19-2002	8.25
405630072442001	S 51577. 1	405630	0724420	112GLCLU	08-05-1974	80.0	83	93	03-19-2002	18.78
405542072463001	S 51579. 1	405542	0724630	112GLCLU	07-17-1974	78.0	75	85	03-25-2002	28.33
405722072342001	S 51581. 1	405722	0723420	112GLCLU	08-13-1974	32.0	32	42	03-19-2002	6.16
405642072491901	S 51586. 1	405642	0724919	112GLCLU	09-30-1974	97.7	88	98	03-25-2002	24.59
405634072380501	S 51588. 1	405634	0723805	112GLCLU	08-13-1974	38.0	47	57	03-27-2002	9.03
405512072395202	S 52449. 1	405512	0723952	112GLCLU	08-06-1974	23.0	28	38	03-19-2002	6.54
405354073021202	S 52490. 1	405355	0730212	211MGTY	03-22-1978	137.0	480	554	03-28-2002	49.89
404944072380901	S 52551. 1	404944	0723809	112GLCLU	09-09-1974	27.8	20	25	03-18-2002	8.35
405924072342301	S 53333. 1	405924	0723423	112GLCLU	03-04-1975	51.0	62	72	03-19-2002	5.14
405032073162802	S 53360. 1	405034	0731618	211MGTY	05-15-1984	141.0	551	667	03-26-2002	46.45
404950073085002	S 53498. 1	404948	0730847	211MGTY	03-30-1977	90.0	663	718	03-21-2002	41.84
405123072533701	S 54883. 1	405049	0725310	112GLCLU	10-16-1975	79.9	--	--	03-27-2002	32.53
405706072345601	S 54885. 1	405706	0723456	112GLCLU	10-29-1975	11.1	16	20	03-19-2002	6.91
405242072381801	S 54886. 1	405241	0723818	112GLCLU	10-16-1975	59.4	51	55	03-18-2002	16.62
405120073231801	S 55049. 1	405120	0732318	112GLCLU	06-19-1975	207.0	175	179	03-18-2002	57.38
404500073062101	S 56030. 1	404500	0730621	112GLCLU	05-03-1994	--	26	31	03-27-2002	16.64
405326072275601	S 57366. 1	405326	0722756	112GLCLU	11-26-1975	55.4	60	64	03-18-2002	3.40
405900072192901	S 57369. 1	405855	0721926	112GLCLU	11-26-1975	76.0	93	97	03-18-2002	12.05
404722073093401	S 57458. 1	404722	0730934	--	01-15-1976	47.4	--	--	03-21-2002	30.35
404651073095701	S 57470. 1	404651	0730957	--	01-15-1976	28.0	--	--	03-21-2002	24.02
405123073125101	S 57484. 1	405123	0731251	112GLCLU	11-17-1975	15.5	15	19	03-18-2002	10.79
405048073122801	S 57488. 1	405048	0731228	112GLCLU	12-05-1975	30.0	--	--	03-18-2002	27.41
405514073050103	S 57980. 1	405514	0730501	211MGTY	03-30-1977	187.0	630	700	03-26-2002	37.78
410040072002501	S 58921. 1	410040	0720024	112GLCLU	10-05-1976	48.0	67	72	03-19-2002	2.96
410356071544201	S 58922. 1	410355	0715444	112GLCLU	10-05-1976	47.8	51	56	03-19-2002	1.85
410404071565901	S 58923. 1	410401	0715701	112GLCLU	10-05-1976	57.3	65	70	03-19-2002	8.03
405933072093401	S 58924. 1	405934	0720932	112GLCLU	10-05-1976	110.3	132	137	03-19-2002	7.69
405950072124501	S 58925. 1	405952	0721245	112GLCLU	10-05-1976	72.0	85	90	03-19-2002	9.09
405737072215801	S 58958. 1	405738	0722159	112GLCLU	09-20-1976	190.0	203	208	03-18-2002	26.34
405816072162801	S 58959. 1	405808	0722035	112GLCLU	11-03-1976	187.5	195	200	03-18-2002	16.12
405827072190501	S 58960. 1	405827	0721905	112GLCLU	10-05-1976	134.2	150	155	03-18-2002	22.24
405615072182301	S 59793. 1	405616	0721823	211MGTY	03-21-1984	34.0	512	522	03-18-2002	10.16
405642072240001	S 59992. 1	405642	0722400	211MGTY	11-09-1977	24.2	268	278	03-18-2002	4.69
404524073044801	S 60812. 1	404524	0730448	211MGTY	04-20-1984	38.0	404	484	03-26-2002	22.85
405616072182301	S 62393. 1	405616	0721823	112GLCLU	03-21-1984	34.0	30	34	03-18-2002	12.86
405604073080001	S 62407. 1	405604	0730800	112GLCLU	10-25-1977	40.0	41	45	03-18-2002	11.91
404415073114001	S 63618. 1	404416	0731137	211MGTY	04-24-1984	20.0	490	550	03-26-2002	18.34
404520073102001	S 63814. 1	404520	0731020	--	03-23-1978	38.0	--	--	03-21-2002	16.34
404356073105501	S 63830. 1	404356	0731055	--	04-20-1978	17.7	--	--	03-21-2002	10.79
404345073124001	S 63835. 1	404345	0731240	--	04-21-1978	13.5	--	--	03-21-2002	7.23
405652072590003	S 64023. 1	405643	0725859	211MGTY	04-21-1984	160.0	709	791	03-28-2002	22.86
404210073182501	S 64192. 1	404210	0731825	--	05-04-1978	17.6	--	--	03-21-2002	8.84
404659073202001	S 64313. 1	404659	0732020	112GLCLU	03-21-1979	89.4	25	30	03-21-2002	70.04
404746073221901	S 64316. 1	404746	0732219	112GLCLU	03-22-1979	160.1	58	63	03-18-2002	107.42
404900073242801	S 64317. 1	404900	0732428	112GLCLU	06-15-1978	149.6	78	83	03-18-2002	72.19
404813073084102	S 65601. 1	404813	0730841	112GLCLU	09-07-1978	62.6	38	41	03-21-2002	37.18
405030073180601	S 65602. 1	405030	0731806	112GLCLU	09-29-1978	146.0	91	96	03-18-2002	70.34
404713072575701	S 65603. 1	404718	0725749	112GLCLU	10-06-1978	54.0	65	70	03-21-2002	23.59
405003073155201	S 65607. 1	405003	0731552	112GLCLU	09-12-1978	138.0	97	102	03-18-2002	48.28
405245072573702	S 66506. 1	405245	0725737	112GLCLU	01-30-1979	83.0	55	60	03-18-2002	50.24
							--	--	03-25-2002	50.19
405345072591101	S 66507. 1	405345	0725911	112GLCLU	01-30-1979	100.0	68	72	03-25-2002	51.63
405002073043501	S 66509. 1	405002	0730435	112GLCLU	01-30-1979	139.7	109	114	03-21-2002	52.03

MISCELLANEOUS SITES--Continued

Station number	Local number	Lat-itude	Long-itude	Aquifer unit code	Start of record	Altitude of land surface (ft, msl)	Screen interval (feet below land surface) Top	Bottom	Date	Water level (ft, msl)
405644073051201	S 66511. 1	405644	0730512	112GLCLU	01-30-1979	105.0	--	--	03-18-2002	12.10
405504073011201	S 66512. 1	405504	0730112	112GLCLU	01-30-1979	120.6	99	104	03-19-2002	50.07
404949073215101	S 66847. 1	404949	0732151	112GLCLU	12-13-1978	170.8	97	102	03-18-2002	76.78
404632073070802	S 67074. 1	404632	0730706	211MGTY	04-19-1984	70.0	765	825	03-21-2002	34.97
404652073120301	S 67197. 1	404652	0731203	211MGTY	04-24-1984	65.0	--	--	03-21-2002	31.09
405255073044301	S 67564. 1	405255	0730443	112GLCLU	03-27-1980	103.0	80	85	03-18-2002	56.61
405551072561601	S 69364. 1	404551	0725616	211MGTY	03-23-1983	32.8	--	--	03-28-2002	17.73
410343071533101	S 70262. 1	410343	0715331	112GLCLU	06-01-1981	50.5	158	163	03-19-2002	2.57
410213071572202	S 70263. 1	410213	0715722	112GLCLU	05-05-1981	27.8	40	45	03-19-2002	3.44
405155073045203	S 70488. 1	405158	0730448	211MGTY	04-21-1984	95.6	344	437	03-26-2002	54.60
410320071570601	S 70617. 1	410320	0715706	112GLCLU	03-09-1982	72.7	93	97	03-19-2002	5.42
410330071563901	S 70618. 1	410330	0715639	112GLCLU	05-05-1981	85.6	100	105	03-19-2002	2.99
410414071515901	S 70627. 1	410414	0715159	112GLCLU	12-08-1981	90.1	90	95	03-19-2002	14.23
404807072590801	S 71785. 1	404807	0725908	211MGTY	04-14-1984	71.9	--	--	04-02-2002	32.37
404750073225302	S 74284. 2	404750	0732253	211MGTY	03-27-1984	154.0	699	704	03-18-2002	69.25
404750073225303	S 74285. 1	404750	0732253	211MGTY	03-27-1984	154.3	440	445	03-18-2002	68.49
404750073225304	S 74286. 1	404750	0732253	211MGTY	03-27-1984	154.6	107	112	03-18-2002	70.09
405418072511201	S 74289. 1	405417	0725116	112GLCLU	05-10-1983	76.8	40	44	03-19-2002	44.00
405421072474501	S 74291. 1	405421	0724745	112GLCLU	05-10-1983	44.4	15	19	03-18-2002	38.73
405115072370501	S 74300. 1	405127	0723643	112GLCLU	05-10-1983	75.0	68	72	03-18-2002	13.90
405434072421401	S 74302. 1	405422	0724233	112GLCLU	05-11-1983	36.5	40	44	03-18-2002	18.34
405419072381201	S 74304. 1	405417	0723810	112GLCLU	05-11-1983	25.3	25	29	03-18-2002	7.81
404849073261201	S 74585. 1	404849	0732612	211MGTY	04-02-1984	365.0	452	455	03-18-2002	66.95
404859073194003	S 75455. 1	404859	0731940	211MGTY	03-27-1984	230.2	500	505	03-18-2002	66.36
404530073181102	S 76016. 2	404530	0731811	211MGTY	06-19-1984	63.5	752	757	03-21-2002	39.57
404530073181103	S 76017. 1	404530	0731811	211MGTY	06-19-1984	63.2	495	500	03-21-2002	39.17
404530073181104	S 76018. 1	404530	0731811	211MGTY	06-19-1984	63.0	186	191	03-21-2002	39.31
404530073181105	S 76019. 1	404530	0731811	112GLCLU	09-11-1984	63.0	57	62	03-21-2002	48.66
404852073024202	S 76478. 1	404852	0730242	112GLCLU	04-06-1984	104.8	70	75	03-21-2002	45.49
404942073175502	S 76673. 2	404942	0731755	211MGTY	08-15-1984	130.0	625	630	03-18-2002	59.72
404942073175503	S 76674. 1	404942	0731755	211MGTY	08-15-1984	130.0	455	460	03-19-2002	59.96
404942073175504	S 76675. 1	404942	0731755	211MGTY	08-15-1984	130.0	245	250	03-18-2002	60.93
405446072524801	S 76834. 1	405446	0725248	112GLCLU	06-22-1984	87.9	44	48	03-19-2002	48.23
405004072515402	S 78323. 1	405004	0725154	211MGTY	03-05-1985	95.0	331	336	03-27-2002	26.21
404846072533204	S 84806. 1	404846	0725332	211MGTY	03-23-1987	17.6	839	849	03-27-2002	22.03
404846072533201	S 84807. 1	404846	0725332	211MGTY	03-23-1987	17.7	545	556	03-27-2002	19.34
404846072533203	S 84808. 1	404846	0725332	211MGTY	03-23-1987	17.5	101	106	03-27-2002	10.57
404846072533202	S 85712. 1	404846	0725332	112GLCLU	03-23-1987	17.5	21	22	03-27-2002	10.61
405405072442701	S 89534. 1	405405	0724427	211MGTY	03-22-1994	44.0	782	792	03-18-2002	23.86
405405072442702	S 89535. 1	405405	0724427	211MGTY	03-14-1990	44.0	510	520	03-18-2002	24.88
405405072442703	S 89536. 1	405405	0724427	211MGTY	03-14-1990	44.0	260	270	03-18-2002	25.03
405038072431104	S 94489. 1	405038	0724311	211MGTY	03-22-1990	46.0	824	834	03-18-2002	14.94
404759073251701	S 95963. 1	404759	0732517	112GLCLU	03-21-1994	170.0	180	190	03-18-2002	71.72
404759073251702	S 95964. 1	404759	0732517	211MGTY	03-21-1994	170.5	396	406	03-18-2002	71.07
405914072190803	S105710. 1	405914	0721908	211MGTY	01-23-1995	44.1	437	447	03-18-2002	9.66
405844072191702	S105711. 1	405844	0721917	211MGTY	01-23-1995	114.5	372	382	03-18-2002	10.72
405914072190802	S106182. 1	405914	0721908	112GLCLU	09-26-1994	43.8	45	55	03-18-2002	14.54
405844072191701	S106185. 1	405844	0721917	112GLCLU	09-20-1994	114.2	115	125	03-18-2002	63.34
405741072161801	S106189. 1	405741	0721618	112GLCLU	09-15-1994	70.3	77	87	03-19-2002	12.98

Aquifer unit code	Description
112GLCLU	Upper glacial aquifer, Pleistocene age.
112PLSC	Pleistocene deposit, undifferentiated
112PGFG	Port Washington confining unit, Pleistocene age.
112PGQF	Port Washington aquifer, Pleistocene age.
112GRDR	Gardiners Clay, Pleistocene age.
112JMCO	Jameco Gravel, Pleistocene age.
211MGTY	Magothy aquifer, Cretaceous age.
211RCNF	Raritan confining unit, Cretaceous age.
211LLYD	Lloyd aquifer, Cretaceous age.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
NASSAU COUNTY

The following wells were sampled for water quality during the 2002 water year by the agency listed below. For further information, contact:

Nassau County Department of Public Works
Water Supply Unit
170 Cantiague Rock Road
Hicksville, NY 11801

Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier
N129	N8838	N9649	N9941	N11170	N12102	N12343	N12747
N180	N8876	N9650	N9948	N11457	N12152	N12361	N12755
N1147	N8938	N9652	N9962	N11490	N12153	N12464	N12768
N1194	N8939	N9653	N9964	N11675	N12154	N12465	N12771
N1195	N8940	N9655	N9982	N11729	N12164	N12469	N12772
N1616	N9057	N9662	N9999	N11735	N12209	N12507	N12774
N3498	N9077	N9664	N10000	N11737	N12218	N12508	N12775
N3554	N9078	N9666	N10001	N11777	N12232	N12570	N12790
N3867	N9117	N9669	N10002	N11780	N12240	N12571	N12791
N4213	N9127	N9670	N10005	N11782	N12241	N12572	N12793
N4547	N9313	N9694	N10006	N11784	N12250	N12573	N12853
N5129	N9316	N9703	N10007	N11785	N12256	N12579	N12855
N6657	N9332	N9713	N10008	N11795	N12257	N12614	N12870
N6928	N9333	N9776	N10084	N11865	N12262	N12618	N12871
N7161	N9472	N9820	N10245	N11866	N12263	N12636	N12880
N8046	N9473	N9898	N10291	N11956	N12264	N12646	N12894
N8414	N9475	N9918	N10430	N11961	N12274	N12665	N12895
N8550	N9477	N9923	N10620	N11962	N12275	N12697	N12921
N8706	N9608	N9924	N10667	N12050	N12318	N12711	N12929
N8831	N9609	N9936	N11002	N12076	N12319	N12733	N12946
N8832	N9647	N9940	N11169				

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
SUFFOLK COUNTY

The following wells were sampled for water quality during the 2002 water year by the agency listed below. For further information, contact:

Suffolk County Water Authority
Sunrise Highway
Oakdale, NY 11769

Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier
S8	S20530	S28408	S35033	S42504	S51953	S61910	S72245	S99960	S113156
S75	S20635	S28503	S35446	S42505	S52126	S61937	S72271	S100204	S113157
S703	S20687	S28819	S35494	S42760	S52451	S62022	S72300	S100453	S113387
S871	S20689	S28928	S35939	S42761	S52490	S62855	S72326	S100608	S113451
S872	S20705	S29411	S36166	S42762	S52943	S63205	S72917	S100691	S113525
S1313	S20839	S29491	S36459	S42827	S52944	S63256	S73063	S101321	S113641
S1340	S21121	S29492	S36460	S43001	S52945	S63618	S73144	S101364	S113672
S1341	S21244	S29732	S36714	S43088	S53074	S63966	S73332	S101579	S113812
S2415	S21247	S30088	S36748	S43117	S53291	S64023	S73492	S101655	S114163
S7383	S21375	S30117	S36791	S43641	S53360	S64062	S74505	S101755	S114649
S8439	S21632	S30118	S36869	S44640	S53361	S64609	S74573	S102248	S115103
S10733	S22048	S30207	S36965	S44774	S53497	S64847	S74865	S102721	S115269
S11105	S22362	S30208	S36976	S45610	S53498	S65505	S76304	S103447	S115361
S12130	S22389	S30227	S37140	S45839	S53522	S65766	S76305	S103519	S115444
S14326	S22471	S30228	S37141	S45840	S53593	S66183	S76772	S103522	S115545
S14710	S22547	S30234	S37301	S46235	S53697	S66184	S77010	S103523	S115563
S14792	S22640	S30506	S37494	S46400	S53747	S66366	S78310	S105003	S115663
S14828	S22711	S30762	S37681	S46712	S53850	S66429	S78612	S105300	S115702
S14921	S22880	S31038	S37847	S46713	S53851	S66496	S79293	S105301	S115703
S15500	S23183	S31039	S37861	S46830	S54162	S66657	S81473	S105524	S115704
S15501	S23184	S31104	S37963	S46928	S54305	S66733	S82174	S105669	S115706
S15514	S23185	S31471	S38192	S47024	S54308	S66758	S83096	S106416	S115776
S15746	S23186	S31624	S38194	S47035	S54377	S66881	S83475	S106565	S115899
S15776	S23255	S31913	S38320	S47219	S54473	S67074	S83707	S106977	S115945
S15795	S23371	S32180	S38321	S47310	S54568	S67197	S84848	S106978	S115975
S16129	S23445	S32287	S38491	S47435	S54957	S67656	S88463	S107792	S116835
S16175	S23524	S32325	S38701	S47436	S55028	S67819	S89754	S107894	S117125
S16309	S23715	S32326	S38784	S47437	S55463	S67925	S89756	S108161	S117209
S16892	S23827	S32359	S38785	S47438	S55502	S68230	S90674	S108235	S117454
S17037	S23828	S32412	S38916	S47453	S55733	S68552	S93519	S108335	S117500
S17474	S23832	S32501	S38917	S47673	S55734	S68666	S93701	S108347	S117501
S17576	S24047	S32551	S39024	S47886	S56038	S68690	S93702	S108911	S117531
S17577	S24484	S32552	S39347	S47887	S56039	S68880	S93794	S109073	S117629
S17689	S24545	S33005	S39536	S48193	S56133	S69024	S94138	S109249	S117642
S18261	S24552	S33006	S40161	S48719	S56674	S69364	S94274	S109640	S117643
S18729	S24663	S33308	S40330	S49422	S57008	S69511	S94286	S109647	S117665
S18846	S24846	S33500	S40331	S49606	S57354	S70008	S96232	S109750	S117679
S19048	S24850	S33775	S40497	S50222	S57357	S70155	S96352	S110018	S117743
S19198	S24851	S33820	S40498	S50546	S57871	S70459	S96673	S110782	S117789
S19399	S25449	S33922	S40709	S50630	S57961	S70488	S97501	S111004	S117831
S19408	S25617	S33970	S40710	S51214	S57979	S70767	S97502	S111165	S117856
S19465	S25776	S34007	S40711	S51266	S57980	S71038	S98322	S111457	S117861
S19584	S26681	S34030	S40837	S51274	S58708	S71083	S98350	S111969	S117863
S20057	S27070	S34031	S40838	S51275	S58761	S71533	S98523	S112236	S118097
S20300	S27192	S34300	S40980	S51298	S59347	S71715	S98721	S112290	SHA3
S20305	S27259	S34301	S42226	S51457	S59744	S71785	S99014	S112293	
S20318	S27440	S34460	S42227	S51519	S60127	S71881	S99130	S112780	
S20369	S27533	S34733	S42270	S51609	S60486	S71882	S99271	S113006	
S20479	S27784	S34894	S42473	S51673	S60812	S71892	S99928	S113016	

Sample sites

All sites sampled as part of the Brooklyn and Queens Aquifer Study, New York State Pesticide Monitoring Program, South Fork Evaluation Study, and South Shore Estuary Study are reported in the water quality tables. Groundwater sites include observation wells, industrial-supply wells, and public-supply wells. Most surface-water and ground-water samples were analyzed in the U.S. Geological Survey Laboratory in Denver, Colorado. Two samples collected as part of the statewide surface water synoptic for pesticides were also analyzed at the USGS Kansas Organic Water Quality Research Laboratory.

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

Selected surface-water and ground-water samples from Brooklyn and Queens Aquifer Study, New York State Pesticide Monitoring Program, and South Fork Evaluation Study sites were analyzed for pesticides on laboratory schedule 2001 during the 2002 water year. This table lists the pesticides on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter, µg/L), and the reporting level. **Only pesticides detected in at least one sample are listed in the organic water-quality tables.**

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

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

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from OCALA Water Quality Service Unit.

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Pesticide name.

OTHER NAME.--Common or trade name(s) for constituent

MRL.--Minimum reporting level.

PCode	Compound name (other names)	MRL (µg/L)
49260	Acetochlor (Harness Plus, Surpass)	0.006
46342	Alachlor (Lasso, Bullet)	0.004
39632	Atrazine (Atrex, Atred)	0.007
82673	Benfluralin (Benefin, Balan)	0.010
04028	Butylate (Genate Plus, Suntan+)	0.002
82680	Carbaryl (Sevin, Denapan)	0.041
82674	Carbofuran (Furandan, Curaterr)	0.020
38933	Chlorpyrifos (Brodan, Dursban)	0.005
04041	Cyanazine (Bledex, Fortrol)	0.018
82682	DCPA (Dacthal, Chlorthal-dimethyl)	0.003
34653	*p,p*«-DDE	0.003
04040	Deethylatrazine (metabolite of Atrazine)	0.006
39572	Diazinon (Basudin, Diazatol)	0.005
39381	Dieldrin (Panoram D-31, Octalox)	0.005
82660	Diethylanaline (metabolite of Alachlor)	0.002
82677	Disulfoton (Disyston, Frumin AL)	0.02
82668	EPTC (Eptam, Farmarox)	0.002
82663	Ethalfluralin (Sonalan, Curbit)	0.009
82672	Ethoprop (Mocap, Ethoprophos)	0.005
04095	Fonofos (Dyfonate, Capfos)	0.003
34253	α-HCH (α-BHC, α-lindane)	0.005
39341	γ-HCH (Lindane, γ-BHC)	0.004
82666	Linuron (Lorex, Linex)	0.035
39532	Malathion	0.027
82686	Methyl azinphos (Guthion, Gusathion)	0.050
39415	Metolachlor (Dual, Pennant)	0.013
82630	Metribuzin (Lexon, Sencor)	0.006
82671	Molinate (Ordram)	0.002
82684	Napropamide (Devrinol)	0.007
39542	Ethyl-Parathion (Roethyl-P, Alkron)	0.010
82667	Methyl-Parathion (Penncap-M)	0.006
82669	Pebulate (Tillam, PEBL)	0.004
82683	Pendimethalin (Prowl, Stomp, Pre-M)	0.022
82687	*cis*-Permethrin (Ambush, Astro)	0.006
82664	Phorate (Thimet, Granutox)	0.011
04037	Prometon (Pramitol, Princep)	0.01
82676	Pronamide (Kerb) (Propyzamid)	0.004
04024	Propachlor (Ramrod, Satecid)	0.010
82679	Propanil (Stampede, Stam)	0.011
82685	Propargite (Omite, Alkyl sulfite)	0.02
04035	Simazine (Princep, Caliber 91)	0.005
82670	Tebuthiuron (Spike, Tebusan)	0.02
82665	Terbacil (Sinbar)	0.034
82675	Terbufos (Counter, Contraven)	0.02
82681	Thiobencarb (Bolero, Saturn)	0.005
82678	Triallate (Avadex BW, Far-Go)	0.002
82661	Trifluralin (Treflan, Gowan)	0.009

Analyses of pesticides in surface-water and ground-water samples (laboratory schedule 2060)

Surface-water and ground-water samples from both Brooklyn and Queens Aquifer Study, and South Fork Evaluation Study sites were analyzed for pesticides on laboratory schedule 2060 during the 2002 water year. This table lists the pesticides on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter, µg/L), and the reporting level. **Only pesticides detected in at least one sample are listed in the organic water-quality tables.**

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

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

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from OCALA Water Quality Service Unit.

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Pesticide or metabolite name.

OTHER NAME.--Common or trade name(s) for constituent

MRL.--Minimum reporting level.

PCode	Compound name (other names)	MRL (µg/L)
49315	Acifluorfen (Blazer, Tackle 2S)	0.007
49312	Aldicarb (Temik, Ambush)	0.04
49313	Aldicarb sulfone (Standak, Aldoxycad)	0.02
49314	Aldicarb sulfoxide	0.008
39632	Atrazine	0.007
50299	Bendiocarb	0.003
50300	Benomyl	0.004
61693	Bensulfuron-methyl	0.02
38711	Bentazon (Basagran, Bentazone)	0.01
04029	Bromacil (Bromax, Urox B)	0.03
49311	Bromoxynil (Torch, Buctril)	0.02
50305	Caffeine	0.010
49310	Carbaryl (Sevin, Denapan)	0.03
49309	Carbofuran (Furandan, Curaterr)	0.006
61188	Chloramben, methyl ester	0.02
50306	Chlorimuron-ethyl	0.010
49306	Chlorothalonil (Bravo, Daconil 2787)	0.04
49305	Clopyralid (Stringer)	0.01
04031	Cycloate	0.01
49304	Dacthal monoacid	0.01
04040	Deethylatrazine	0.006
04039	Deethyldeisopropylatrazine	0.01
04038	Deisopropylatrazine	0.04
38442	Dicamba (Banval, Dianat)	0.01
39732	2,4-Dichlorophenoxyacetic acid (2,4-D, AquaKleen)	0.02
50470	2,4-D methyl ester	0.009
38746	2,4-Dichlorophenoxybutyric acid (2,4-DB, Butyrac)	0.02
49302	Dichlorprop (2,4-DP, Seritux 50)	0.01
49301	Dinoseb (DNPB, Dinosebe)	0.01
04033	Diphenamid	0.03
49300	Diuron (DCMU, Crisuron)	0.01
49297	Fenuron (Beet-Klean, Fenulon)	0.03
61694	Flumetsulam	0.01
38811	Fluometuron (Flo-Met, Cotoron)	0.03
50355	2-Hydroxyatrazine	0.008
49308	3-Hydroxycarbofuran	0.006
50356	Imazaquin	0.02
50407	Imazethapyr	0.02
61695	Imidacloprid	0.007
50295	3-Ketocarbofuran	2
38478	Linuron (Linurex, Lorex)	0.01
50359	Metalaxyl	0.02
38501	Methiocarb (Mesurol, Slug-Geta)	0.008
49296	Methomyl (Lannate, Lanox)	0.004
38482	4-(4-Chloro-2-methylphenoxy) acetic acid (MCPA)	0.02
38487	4-(4-Chloro-2-methylphenoxy) butyric acid (MCPB, Tropotox)	0.01
61697	Metsulfuron methyl	0.03
49294	Neburon (Neburea, Neburyl)	0.01
50364	Nicosulfuron	0.01
49293	Norflurazon (Euitol, Predict)	0.02
49292	Oryzalin (Surflan, Dirimal)	0.02
38866	Oxyamyl (Vydate, Pratt)	0.01
49291	Picloram (Grazon, Tordon)	0.02
49236	Propham (Tuberite)	0.010
50471	Propiconazole	0.02
38538	Propoxur (Baygon, Blattanex)	0.008
38548	Siduron	0.02
50337	Sulfometuron-methyl	0.009
82670	Tebuthiuron	0.02
04032	Terbacil	0.010
49235	Triclopyr (Garlon, Grandstand)	0.02

Analyses of volatile organic compounds in surface-water and ground-water samples (laboratory schedule 2020/2021)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study, and South Fork Evaluation Study sites were analyzed for volatile organic compounds (VOC s) in 2002. The National Water Quality Laboratory (NWQL) created a method for accurate determination of VOC s in water in the nanogram per liter range (laboratory schedules 2020/2021). The method described in USGS Open-File Report 97-829 (Connor and others) is similar to USEPA method 524-2 (Mund, 1995), and the method described by Rose and Schroeder (1995). Minor improvements to instrument operating conditions include the following: additional compounds, quantitation ions that are different from those recommended in USEPA Method 524-2 because of interferences from the additional compounds, and a data reporting strategy for measuring detected compounds extrapolated at less than the lowest calibration standard or measured at less than the reporting limit. The non-detection value (NDV) is a statistically defined reporting limit designed to limit false positives and false negatives to less than 1 percent.

This table lists the volatile organic compounds on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter (µg/L), the compound name, and the NWQL compound name. Positive detections measured at less than NDV are reported as estimated concentrations (E) to alert the data user to decreased confidence in accurate quantitation. Values for analytes in the 2020/2021 schedules are preceded by an "E" in the following situations:

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

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

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

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

Only VOC s detected by the laboratory in at least one sample are listed in the organic water-quality tables.

SCHEDULE DESCRIPTION.--The sample water is actively purged with helium to extract the volatile organic compounds. The volatile compounds are trapped onto a sorbent trap, thermally desorbed, separated by a megabore gas chromatographic capillary column, and finally determined by a full scan quadropole mass spectrometer. Compound identification is confirmed by the gas chromatographic retention time and by the resultant mass spectrum, typically identified by three unique ions.

SAMPLE REQUIREMENTS.--Water collected in three 40 milliliter vials. Hydrochloric acid is added for preservation. Chilled at 4°C (packed in ice).

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

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Chemical name.

OTHER NAME.--Common or trade name(s).

NDV.--Non-detection value.

PCode	Compound name	Other name(s)	NDV (µg/L)
77353	(1,1-Dimethylethyl)benzene	*tert*-butylbenzene	0.05
77223	(1-Methylethyl)benzene	Isopropylbenzene	0.06
77350	(1-Methylpropyl)benzene	*sec*-butylbenzene	0.03
34396	Hexachloroethane		2.0
77562	1,1,1,2-Tetrachloroethane		0.03
34506	1,1,1-Trichloroethane	TCA	0.03
34516	1,1,2,2-Tetrachloroethane		0.09
77652	1,1,2-Trichloro-1,2,2-trifluoroethane	Freon-113	0.06
34511	1,1,2-Trichloroethane		0.06
34496	1,1-Dichloroethane		0.04
34501	1,1-Dichloroethene		0.04
77168	1,1-Dichloropropene		0.05
49999	1,2,3,4-Tetramethylbenzene	Prehnitene	0.2
50000	1,2,3,5-Tetramethylbenzene	Isodurene	0.2
77613	1,2,3-Trichlorobenzene		0.3
77443	1,2,3-Trichloropropane		0.16
77221	1,2,3-Trimethylbenzene		0.1
34551	1,2,4-Trichlorobenzene		2.0
77222	1,2,4-Trimethylbenzene		0.06
82625	1,2-Dibromo-3-chloropropane	DBCP	0.5
77651	1,2-Dibromoethane		0.04
34536	1,2-Dichlorobenzene		2.0
32103	1,2-Dichloroethane		0.1
34541	1,2-Dichloropropane		0.03
77135	1,2-Dimethylbenzene	*o*-xylene	0.07
85795	1,3- & 1,4-Dimethylbenzene	*m & p*-xylene	0.06
77226	1,3,5-Trimethylbenzene		0.04
34566	1,3-Dichlorobenzene		2.0
77173	1,3-Dichloropropane		0.1
34571	1,4-Dichlorobenzene		2.0
77275	1-Chloro-2-methylbenzene	2-chlorotoluene	0.03
77277	1-Chloro-4-methylbenzene	4-chlorotoluene	0.05
77356	1-Isopropyl-4-methylbenzene	*p*-Isopropyltoluene	0.07
77170	2,2-Dichloropropane		0.05
81595	2-Butanone	Methyl ethyl ketone, MEK	5
77220	2-Ethyltoluene		0.06
77103	2-Hexanone		0.7
34215	2-Propenenitrile	Acrylonitrile	1
78109	3-Chloro-1-propene		0.7
78133	4-Methyl-2-pentanone	Methyl isobutyl ketone	0.4
81552	Acetone		7
34030	Benzene		0.04
81555	Bromobenzene		0.04
77297	Bromochloromethane		0.04
32101	Bromodichloromethane		0.05
50002	Bromoethene	Vinyl Bromide	0.1
34413	Bromomethane	Methyl bromide	0.3
77041	Carbon disulfide		0.07
34301	Chlorobenzene		0.03
34311	Chloroethane		0.1
39175	Chloroethene	Vinyl Chloride	0.1
34418	Chloromethane	Methyl chloride	0.2
77093	*cis*-1,2-Dichloroethene		0.04
34704	*cis*-1,3-Dichloropropene		0.09
32105	Dibromochloromethane		0.2
30217	Dibromomethane		0.05
34668	Dichlorodifluoromethane	Freon-12	0.18
34423	Dichloromethane	Methylene Chloride	0.2
81576	Diethyl ether		0.2
81577	Diisopropyl ether		0.10
77128	Ethenylbenzene	Styrene	0.08
73570	Ethyl methacrylate		0.2
50004	Ethyl *tert*-butyl ether	Ethyl-*t*-butyl ether, ETBE	0.05
34371	Ethylbenzene		0.03
39702	Hexachlorobutadiene		1.0
77424	Iodomethane	Methyl iodide	0.25
49991	Methyl acrylate		2.0
81593	Methyl acrylonitrile		0.6
81597	Methyl methacrylate		0.3
78032	Methyl *tert*-butyl ether	Methyl-*t*-butyl ether, MTBE	0.2
34010	Methylbenzene	Toluene	0.05
77342	*n*-Butylbenzene		0.2
77224	*n*-Propylbenzene		0.04
34696	Naphthalene		5.0
50005	*tert*-Amyl methyl ether	*t*-Amyl methyl ether, TAME	0.08
34475	Tetrachloroethene	PCE	0.03
32102	Tetrachloromethane	Carbon tetrachloride	0.06
81607	Tetrahydrofuran	THF	2
34546	*trans*-1,2-Dichloroethene		0.03
34699	*trans*-1,3-Dichloropropene		0.09
73547	*trans*-1,4-Dichloro-2-butene		0.7
32104	Tribromomethane	Bromoform	0.06
39180	Trichloroethene	Trichloroethylene,TCE	0.04
34488	Trichlorofluoromethane	Freon-11	0.09
32106	Trichloromethane	Chloroform	0.02
77057	Vinyl Acetate	Vinyl Acetate	5

Analysis of organochlorine pesticides, gross polychlorinated biphenyls and polychlorinated napthalenes in surface-water and ground-water samples (laboratory schedule 1324)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study sites were analyzed for pesticides, gross polychlorinated biphenyls (PCB) and napthalenes (PCN) on laboratory schedule 1324 during the 2002 water year. This table lists the pesticides, PCB s, and PCN s on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter, µg/L), and the reporting level. **Only pesticides residues, gross PCB, or PCN measured at or above the minimum reporting level in at least one sample are listed in the organic water-quality tables.**

SCHEDULE DESCRIPTION.--Organochlorine pesticides with PCB s and PCN s, recoverable from whole water samples, analyzed by GC/ECD. A description of the methods for determination of organic substances in water can be found in USGS TWRI Book 5, Chapter A3, 1987. See Publications on Techniques of Water-Resources Investigations.

SAMPLE REQUIREMENTS.--800 milliliter of raw water, chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from OCALA Water Quality Service Unit.

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Chemical name.

MRL.--Minimum reporting level.

PCode	Compound name	MRL (µg/L)
39330	Aldrin	0.01
39350	Chlordane, technical mix	0.1
39380	Dieldrin	0.006
39390	Endrin	0.01
39410	Heptachlor	0.01
39420	Heptachlor epoxide	0.009
39340	Lindane	0.006
39755	Mirex	0.006
39034	Perthane	0.1
39516	Polychlorinated biphenyls (PCB s)	0.1
39250	Polychlorinated naphthalenes (PCN s)	0.1
39400	Toxaphene	1
39388	Endosulfan-I	0.02
39360	*p,p*«-DDD	0.007
39365	*p,p*«-DDE	0.006
39370	*p,p*«-DDT	0.009
39480	*p,p*«-Methoxychlor	0.020

Analysis of semivolatile organic compounds in surface-water and ground-water samples (laboratory schedule 1383)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study sites were analyzed for semivolatile organic compounds (SVOC) on laboratory schedule 1383 during the 2002 water year. The method is referred to as base/neutral and acid extractable compounds, with analysis by gas chromatography/mass spectrometry. The reference for schedule 1383 is Methods of Analysis by the U.S. Geological Survey National Water Quality Laboratory -- Determination of Inorganic and Organic Constituents in Water and Fluvial Sediments , USGS Open-File Report 93-125, (1993), Marvin Fishman, editor. Although it is not referenced in the report, the method is derived from EPA method 625. This table lists the SVOC on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter, µg/L), and the reporting level. **Only SVOC measured at or above the minimum reporting level in at least one sample are listed in the organic water-quality tables.**

SCHEDULE DESCRIPTION.--Acid and base/neutral extractable organic compounds from whole water samples, analyzed using GCMS technology. A description of the methods for determination of SVOC in water can be found in USGS Open File Report 93-125, (1993).

SAMPLE REQUIREMENTS.--1 liter of raw water, chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from OCALA Water Quality Service Unit.

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Chemical name.

MRL.--Minimum reporting level.

PCode	Compound name	MRL (µg/L)
34551	1,2,4-Trichlorobenzene	2
34536	1,2-Dichlorobenzene	2
82626	1,2-Diphenylhydrazine	2
34566	1,3-Dichlorobenzene	2
34571	1,4-Dichlorobenzene	2
34621	2,4,6-Trichlorophenol	3
34601	2,4-Dichlorophenol	3
34606	2,4-Dimethylphenol	0.7
34616	2,4-Dinitrophenol	3
34611	2,4-Dinitrotoluene	3
34626	2,6-Dinitrotoluene	2
34581	2-Chloronaphthalene	2
34586	2-Chlorophenol	2
34591	2-Nitrophenol	1
34631	3,3«-Dichlorobenzidine	5
34657	4,6-Dinitro-2-methylphenol	3
34636	4-Bromophenyl phenyl ether	2
34452	4-Chloro-3-methylphenol	3
34641	4-Chlorophenyl phenyl ether	2
34646	4-Nitrophenol	3
34205	Acenaphthene	2
34200	Acenaphthylene	2
34220	Anthracene	2
34526	Benzo[a]anthracene	2
39120	Benzidine	40
34247	Benzo[*a*]pyrene	1
34230	Benzo[*b*]fluoranthene	2
34521	Benzo[*g,h,i*]perylene	3
34242	Benzo[*k*]fluoranthene	2
34292	*n*-Butyl benzyl phthalate	4
34320	Chrysene	3
39110	Di-*n*-butyl phthalate	2

PCode	Compound name	MRL (µg/L)
34596	Di-*n*-octyl phthalate	5
34556	Dibenzo[*a,h*]anthracene	3
34336	Diethyl phthalate	2
34341	Dimethyl phthalate	2
34376	Fluoranthene	2
34381	Fluorene	2
39700	Hexachlorobenzene	2
39702	Hexachlorobutadiene	1
34396	Hexachloroethane	2
34403	Indeno[1,2,3-*cd*]pyrene	3
34408	Isophorone	2
34428	*N*-Nitrosodi-*n*-propylamine	2
34438	*N*-Nitrosodimethylamine	3
34433	*N*-Nitrosodiphenylamine	2
34696	Naphthalene	5.0
34447	Nitrobenzene	2
39032	Pentachlorophenol	4
34461	Phenanthrene	2
34694	Phenol	3.0
34469	Pyrene	2
34278	Bis(2-chloroethoxy) methane	3
34273	Bis(2-chloroethyl) ether	2
39100	Bis(2-ethylhexyl) phthalate	6
34283	Bis(2-chloroisopropyl) ether	2

Analysis of semivolatile organic compounds in surface-water and ground-water samples (laboratory schedule 1433)

Surface-water and ground-water samples from waste water compounds in Suffolk County and the South Fork Evaluation Study sites were analyzed for waste water compounds on laboratory schedule 1433 during the 2002 water year. The method focuses on the determination of alkylphenolethoxylate nonionic surfactant compounds and their alkylphenol degradates that are persistent indicators of wastewater. Other method compounds are representative of food additives, fragrances, antioxidants, flame retardants, plasticizers, industrial solvents, disinfectants, fecal sterols, polycyclic aromatic hydrocarbons, and high-use domestic pesticides. The reference for schedule 1433 is Zaugg, S.D., Smith, S.G., Schroeder, M.P., Barber, L.B., and Burkhardt, M.R., 2002, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory---Determination of wastewater compounds by polystyrene-divinylbenzene solid-phase extraction and capillary-column gas chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4186, 37 p.This table lists the waste water compounds on the schedule, the National Water Information System parameter code, the unit of measure (micrograms per liter, µg/L), and the reporting level. **Only waste water compounds measured at or above the minimum reporting level in at least one sample are listed in the organic water-quality tables.**

SCHEDULE DESCRIPTION.--Solid phase extraction of waste water compounds in filtered water, analyzed using GCMS technology. A description of the methods for determination of waste water compounds in water can be found in USGS Water-Resources Investigations Report 01-4186

SAMPLE REQUIREMENTS.--1 liter of raw water, chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter of water filtered through a 0.7 micron glass-fiber depth filter, and chilled at 4°C (packed in ice) in a baked amber glass bottle (GCC) from OCALA Water Quality Service Unit.

PCODE.--The National Water Information System parameter code.

COMPOUND NAME.--Chemical name.

MRL.--Minimum reporting level.

PCode	Compound name	MRL (µg/L)
34572	1,4-Dichlorobenzene	0.5
62054	1-Methylnaphthalene	0.5
62053	17-beta-Estradiol	5
62055	"2,6-Dimethylnaphthalene"	0.5
62056	2-Methylnaphthalene	0.5
62057	3-beta-Coprostanol	2
62058	3-Methyl-1(H)-indole (Skatole)	1
62059	3-tert-Butyl-4-hydroxy anisole (BHA)	5
62060	4-Cumylphenol	1
62061	4-n-Octylphenol	1
62062	4-tert-Octylphenol	1
62063	5-Methyl-1H-benzotriazole	2
62064	Acetophenone	0.5
62065	Acetyl hexamethyl tetrahydronaphthalene (AHTN)	0.5
34221	Anthracene	0.5
62066	Anthraquinone	0.5
34248	Benzo[a]pyrene	0.5
62067	Benzophenone	0.5
62068	beta-Sitosterol	2
62086	beta-Stigmastanol	2
62069	Bisphenol A	1
4029	Bromacil	0.5
34288	Bromoform	0.5
50305	Caffeine	0.5
62070	Camphor	0.5
82680	Carbaryl	1
62071	Carbazole	0.5
38933	Chlorpyrifos	0.5
62072	Cholesterol	2
62005	Cotinine	1
62073	d-Limonene	0.5
39572	Diazinon	0.5
38775	Dichlorvos	1
62074	Equilenin	5
62484	Estrone	5
62052	Ethynyl estradiol	5
34377	Fluoranthene	0.5
62075	Hexadydrohexamethylcyclopentabenzopyran (HHCB)	0.5
62076	Indole	0.5
62077	Isoborneol	0.5
34409	Isophorone	0.5
62078	Isopropylbenzene	0.5
62079	Isoquinoline	0.5
62080	Menthol	0.5
50359	Metalaxyl	0.5
62081	Methyl salicylate	0.5
39415	Metolachlor	0.5

62082	N,N-diethyl-meta-toluamide (DEET)	0.5
34443	Naphthalene	0.5
62083	"Nonylphenol, diethoxy- (total)"	5
61705	"Octylphenol, diethoxy-"	1
61706	"Octylphenol, monoethoxy-"	1
62084	p-Cresol	1
62085	para-Nonylphenol (total)	5
34459	Pentachlorophenol	2
34462	Phenanthrene	0.5
34466	Phenol	0.5
4037	Prometon	0.5
34470	Pyrene	0.5
34476	Tetrachloroethylene	0.5
62093	Tri(2-butoxyethyl)phosphate	0.5
62087	Tri(2-chloroethyl)phosphate	0.5
62089	Tributyl phosphate	0.5
62090	Triclosan	1
62091	Triethyl citrate (ethyl citrate)	0.5
62092	Triphenyl phosphate	0.5
62088	Tris(dichlorisopropyl)phosphate	0.5

Analysis of inorganic substances: major ions and trace metals and cyanide in surface-water and ground-water samples (laboratory schedules 2702, 1294, 876 and 101)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study, South Fork Evaluation Study, and Suffolk County-Arsenic in Ground Water Study sites were analyzed for inorganic substances on laboratory schedules 2702, 1294, 876 and 101 during the 2002 water year. All of these schedules contain similar constituents. Specific methods of analysis for each constituent can be found in the reference cited in the table below. This table lists the National Water Information System parameter code, the bottle type, the constituent, the reporting level (MRL), the unit of measure (micrograms per liter, µg/L, or milligrams per liter, mg/L), and the USGS reference for the method of analysis of the constituent. **Only constituents measured at or above the minimum reporting level in at least one sample are listed in the inorganic water-quality table.**

SAMPLE REQUIREMENTS.--500 milliliters of water filtered through a 0.45 micron cellulose filter (FU, FCC), 250 milliliters of raw water acidified (RU), 50 milliliters fixed with 5 milliliters of 5 normal sodium hydroxide (LC0023), 250 milliliters of raw water fixed with 10 milliliters of 70% nitric acid/ potassium dichromate (RAM), and 250 milliliters of raw water (RCB), 125 milliliters (WCA), 125 milliliters acidified with 1 ml of 4.5N sulfuric acid (DOC), all chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--One 500-ml clear poly bottle (FU), one 125-ml brown poly bottle ((FCC) one 250-ml acid rinsed clear poly bottle (RA), three 250-ml clear poly bottles (RU, LC0023, RCB), and 250-ml glass bottle (RAM), three 125-ml, amber, baked glass bottles (WCA, DOC, TOC) all from Ocala Quality Water Service Unit

PCODE.--The National Water Information System parameter code.

PCode	Bottle type	Constituent	MRL	Report unit	Reference
00929	RA	Sodium	0.18	mg/L	OFR 98-165
38260	RCB	MBAS	0.05	mg/L	OFR 95-189
01002	RA	Arsenic	2	ug/L	OFR 99-464
90410	RU	Acid Neutralizing Capacity (ANC), laboratory	1	mg/L	TWRI B5-A1/89
01092	RA	Zinc	31	ug/L	OFR 98-165
01034	RA	Chromium	1	ug/L	OFR 93-449
01007	RA	Barium	1	ug/L	OFR 98-165
01042	RA	Copper	0.6	ug/L	OFR 98-165
00945	RU	Sulfate	0.31	mg/L	TWRI B5-A1/89
01027	RA	Cadmium	0.035	ug/L	OFR 98-165
00950	FU	Fluoride	0.16	mg/L	TWRI B1-A1/89
01045	RA	Iron	14	ug/L	OFR 98-165
01055	RA	Manganese	1	ug/L	OFR 98-165
01051	RA	Lead	1	ug/L	OFR 98-165
01147	RA	Selenium	0.36	ug/L	OFR 98-165
71900	RAM	Mercury	0.3	ug/L	TWRI B5-A1/89
00927	RA	Magnesium	0.024	mg/L	OFR 98-165
00720	LC0023	Cyanide	0.014	mg/L	TWRI B5-A1/89
00916	RA	Calcium	0.025	mg/L	OFR 98-165
01077	RA	Silver	0.05	ug/L	OFR 98-165
00937	RA	Potassium	0.1	mg/L	TWRI B5-A1/89
00955	FU	Silica	0.48	mg/L	TWRI B5-A1/89
00940	FU	Chloride	0.29	mg/L	TWRI B5-A1/89
01106	FA	Aluminum	15	ug/L	OFR 98-165
01010	FA	Beryllium	0.5	ug/L	OFR 98-165
01035	FA	Cobalt	13	ug/L	OFR 98-165
01130	FA	Lithium	4	ug/L	OFR 98-165
01065	FA	Nickel	2	ug/L	OFR 98-165
01080	FA	Strontium	0.6	ug/L	OFR 98-165
01060	FA	Molybdenum	45	ug/L	OFR 98-165
01085	FA	Vanadium	8	ug/L	OFR 98-165
70300	FU	Residue, 180 degrees Celsius	10	mg/L	TWRI B5-A1/89
00671	FCC	Orthophosphate, as phosphorous	0.01	mg/L	OFR 93-125
00631	FCC	Nitrite + Nitrate, as nitrogen	0.05	mg/L	OFR 93-125
00613	FCC	Nitrite, as nitrogen	0.01	mg/L	OFR 93-125
00608	FCC	Ammonia, as nitrogen	0.02	mg/L	OFR 93-125
71870	FU	Bromide	0.01	mg/L	TWRI B5-A1/89
00623	WCA	Ammonia + organic nitrogen, as nitrogen	0.10	mg/L	OFR 92-146
00666	FCC	Phosphorus	0.006	mg/L	EPA 365.1
00681	DOC	Organic carbon (dissolved)	0.33	mg/L	OFR92-480
00680	TOC	Organic carbon (total)	0.6	mg/L	TWRI B5-A1/89

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Mosquito Insecticides in Surface Water, Suffolk County

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
			SUFFOLK COUNTY						
CARMANS RIVER AT BROOKHAVEN, NY	06-18-02	1400	40 46 18 N	072 53 37 W	0.0	24.1	0.3	7.1	1050
	06-18-02	*1401*	*40 46 18 N*	*072 53 37 W*	*.0*	*24.1*	*.3*	*7.1*	*1050*
SHINNECOCK BAY AT SOUTHAMPTON, NY	07-17-02	0700	40 46 43 N	072 43 36 W	.0	19.0	--	6.2	1260
	07-17-02	*0701*	*40 46 43 N*	*072 43 36 W*	*.0*	*19.0*	--	*6.2*	*1260*
	07-17-02	0702	40 46 43 N	072 43 36 W	.0	19.0	--	6.2	1260
HECKSCHER CANAL AT EAST ISLIP, NY	07-24-02	0930	40 42 15 N	073 10 14 W	.0	23.9	.9	6.7	3210
	07-24-02	*0931*	*40 42 15 N*	*073 10 14 W*	*.0*	*23.9*	*.9*	*6.7*	*3210*
PATTERSQUASH CREEK MOUTH AT MASTIC BEACH, NY	07-31-02	2100	40 44 45 N	072 50 51 W	.0	--	--	--	--
	07-31-02	*2101*	*40 44 45 N*	*072 50 51 W*	*.0*	--	--	--	--
LAKE RONKONKOMA AT LAKE RONKONKOMA, NY	08-16-02	2157	40 49 57 N	073 07 34 W	.0	28.2	2.7	6.3	263
	08-16-02	*2158*	*40 49 57 N*	*073 07 34 W*	*.0*	*28.2*	*2.7*	*6.3*	*263*
	08-19-02	2030	40 49 57 N	073 07 34 W	.0	29.0	3.8	6.4	276
GIBBS POND AT NESCONSET, NY	08-19-02	2050	40 50 41 N	073 08 23 W	.0	30.3	--	7.5	228
	08-19-02	*2051*	*40 50 41 N*	*073 08 23 W*	*.0*	*30.3*	--	*7.5*	*228*
SPECTACLE POND AT NESCONSET, NY	08-19-02	2045	40 50 09 N	073 08 04 W	.0	26.8	2.7	6.6	265
CARLLS RIVER AT PARK AVENUE AT BABYLON, NY	08-26-02	2015	40 42 06 N	073 19 43 W	.0	22.7	6.6	6.3	178
SAMPAWAMS CR BELOW HAWLEYS LAKE AT BABYLON, NY	08-26-02	2030	40 41 48 N	073 19 04 W	.0	22.3	5.9	6.2	200
TRUES CREEK NEAR WEST ISLIP, NY	08-26-02	2235	40 41 52 N	073 16 56 W	.0	23.4	--	6.1	167
	08-26-02	*2236*	*40 41 52 N*	*073 16 56 W*	*.0*	*23.4*	--	*6.1*	*167*
MORICHES BAY AT MASTIC BEACH, NY	09-10-02	2030	40 44 51 N	072 50 58 W	.0	24.7	7.0	7.7	4410
PATTERSQUASH CREEK AT MASTIC BEACH, NY	09-10-02	2200	40 45 49 N	072 51 06 W	.0	17.0	6.0	6.5	189

Local identifier	Date	METHOPRENE ACID WATER FLTRD REC (UG/L) (61758)	METHOPRENE WATER FLTRD REC (UG/L) (61757)	PIPERONYL BUTOXIDE, WAT FLT GF 0.7U (UG/L) (62765)	RESMETHRIN WATER, FLTRD, GF 0.7U REC (UG/L) (62768)	PHENOTHRIN, WATER, FLTRD, GF 0.7U REC (UG/L) (62763)	MALATHION, DISSOLVED (UG/L) (39532)
CARMANS RIVER AT BROOKHAVEN, NY	06-18-02	1.73	0.631	<.005	<.005	<.005	<.005
	06-18-02	*1.71*	--	--	--	--	--
SHINNECOCK BAY AT SOUTHAMPTON, NY	07-17-02	--	<.20	<.20	<.20	<.20	<.20
	07-17-02	--	*<.20*	*<.20*	*<.20*	*<.20*	*<.20*
	07-17-02	<.015	--	--	--	--	--
HECKSCHER CANAL AT EAST ISLIP, NY	07-24-02	<.015	<.005	<.005	<.005	<.005	<.005
	07-24-02	*<.015*	*<.005*	*<.005*	*<.005*	*<.005*	*<.005*
PATTERSQUASH CREEK MOUTH AT MASTIC BEACH, NY	07-31-02	<.015	<.005	<.005	<.005	<.005	<.005
	07-31-02	--	*<.005*	*<.005*	*<.005*	*<.005*	*<.005*
LAKE RONKONKOMA AT LAKE RONKONKOMA, NY	08-16-02	<.015	<.005	<.005	<.005	<.005	<.005
	08-16-02	*<.015*	*<.005*	*<.005*	*<.005*	*<.005*	*<.005*
	08-19-02	<.015	<.005	<.005	<.005	<.005	<.005
GIBBS POND AT NESCONSET, NY	08-19-02	<.015	<.005	6.91	.076	<.005	<.005
	08-19-02	*<.015*	--	--	--	--	--
SPECTACLE POND AT NESCONSET, NY	08-19-02	<.015	<.005	.343	.021	<.005	<.005
CARLLS RIVER AT PARK AVENUE AT BABYLON, NY	08-26-02	<.015	<.005	<.041	.018	<.005	<.005
SAMPAWAMS CR BELOW HAWLEYS LAKE AT BABYLON, NY	08-26-02	<.015	<.005	.035	<.005	<.005	<.005
TRUES CREEK NEAR WEST ISLIP, NY	08-26-02	<.015	<.005	13.39	.293	<.005	<.005
	08-26-02	*<.015*	--	--	--	--	--
MORICHES BAY AT MASTIC BEACH, NY	09-10-02	--	<.005	<.005	<.005	<.005	<.005
PATTERSQUASH CREEK AT MASTIC BEACH, NY	09-10-02	--	<.005	.005	<.005	<.005	<.005

Remark codes used in this table:
< -- Less than
* Italicized data are quality assurance sequential replicate samples of preceding environmental data.

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
South Fork Hydrologic Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
			SUFFOLK COUNTY						
BIG FRESH POND NEAR NORTH SEA, NY	05-16-02	0930	40 55 19 N	072 25 18 W	.0	15.1	125	8.9	7.1
	05-16-02	0931	40 55 19 N	072 25 18 W	1.0	15.1	125	8.9	7.1
	05-16-02	0933	40 55 19 N	072 25 18 W	2.0	15.0	125	8.9	7.1
	05-16-02	0934	40 55 19 N	072 25 18 W	3.0	14.8	125	8.8	7.1
	05-16-02	0935	40 55 19 N	072 25 18 W	4.0	14.8	125	8.8	7.1
	05-16-02	0936	40 55 19 N	072 25 18 W	5.0	14.7	125	8.7	7.0
	05-16-02	0937	40 55 19 N	072 25 18 W	6.0	14.6	125	8.6	7.0
	05-16-02	0938	40 55 19 N	072 25 18 W	7.0	14.6	125	8.6	7.0
	05-16-02	0939	40 55 19 N	072 25 18 W	8.0	14.6	125	8.6	7.0
	05-16-02	0940	40 55 19 N	072 25 18 W	9.0	14.6	125	8.6	6.9
	05-16-02	0941	40 55 19 N	072 25 18 W	10.0	14.6	125	8.6	7.0
	05-16-02	0942	40 55 19 N	072 25 18 W	11.0	14.6	125	8.6	7.0
	05-16-02	0943	40 55 19 N	072 25 18 W	12.0	14.6	125	8.6	7.0
	05-16-02	0944	40 55 19 N	072 25 18 W	13.0	14.5	125	8.6	6.9
	05-16-02	0945	40 55 19 N	072 25 18 W	14.0	14.4	125	8.5	6.9
	05-16-02	0946	40 55 19 N	072 25 18 W	15.0	14.4	125	8.4	6.9
	05-16-02	0947	40 55 19 N	072 25 18 W	16.0	14.3	125	8.3	6.9
	05-16-02	0948	40 55 19 N	072 25 18 W	17.0	14.2	125	8.2	6.8
	05-16-02	0949	40 55 19 N	072 25 18 W	18.0	14.2	125	8.1	6.8
	05-16-02	0950	40 55 19 N	072 25 18 W	19.0	14.0	125	7.9	6.8
	05-16-02	0951	40 55 19 N	072 25 18 W	20.0	13.9	126	7.8	6.8
	05-16-02	0952	40 55 19 N	072 25 18 W	21.0	13.9	126	7.6	6.8
	05-16-02	0953	40 55 19 N	072 25 18 W	22.0	13.0	126	6.2	6.7
	05-16-02	0954	40 55 19 N	072 25 18 W	23.0	12.3	135	3.9	6.6
	05-16-02	0955	40 55 19 N	072 25 18 W	24.0	12.0	141	2.5	6.6
	05-16-02	0957	40 55 19 N	072 25 18 W	25.4	11.6	144	1.4	6.6
FORT POND AT MONTAUK, NY	04-25-02	0930	41 02 11 N	071 56 49 W	.6	13.2	324	11.1	6.8
	04-25-02	0933	41 02 11 N	071 56 49 W	2.6	13.2	324	10.8	7.2
	04-25-02	0935	41 02 11 N	071 56 49 W	4.6	13.2	324	10.8	7.2
	04-25-02	0937	41 02 11 N	071 56 49 W	6.6	13.2	324	10.7	7.3
	04-25-02	0939	41 02 11 N	071 56 49 W	8.6	13.2	324	10.7	7.3
	04-25-02	0940	41 02 11 N	071 56 49 W	10.6	13.1	324	10.7	7.3
	04-25-02	0942	41 02 11 N	071 56 49 W	12.6	13.1	324	10.7	7.3
	04-25-02	0944	41 02 11 N	071 56 49 W	14.6	13.1	324	10.7	7.3
	04-25-02	0947	41 02 11 N	071 56 49 W	18.6	12.9	324	10.4	7.2
	04-25-02	0948	41 02 11 N	071 56 49 W	20.6	12.6	325	10.1	7.2
	04-25-02	0952	41 02 11 N	071 56 49 W	22.6	12.3	325	9.9	7.0
	04-25-02	0956	41 02 11 N	071 56 49 W	24.6	12.2	326	6.4	6.7
TROUT POND AT NOYACK, NY	04-30-02	0931	40 59 34 N	072 21 00 W	.0	11.7	74	9.9	6.5
	04-30-02	0934	40 59 34 N	072 21 00 W	1.0	11.7	74	9.7	6.5
	04-30-02	0935	40 59 34 N	072 21 00 W	2.0	11.7	74	9.7	6.5
	04-30-02	0937	40 59 34 N	072 21 00 W	3.0	11.6	74	9.7	6.6
	04-30-02	0938	40 59 34 N	072 21 00 W	4.0	11.4	74	9.8	6.6
	04-30-02	0956	40 59 34 N	072 21 00 W	4.9	11.4	74	9.9	6.6
HOOK POND AT EAST HAMPTON, NY	04-29-02	1020	40 57 18 N	072 10 42 W	.0	11.2	263	11.0	6.9
	04-29-02	1022	40 57 18 N	072 10 42 W	.88	11.3	263	11.1	7.4
	04-29-02	1024	40 57 18 N	072 10 42 W	2.0	11.3	263	11.1	7.6
	04-29-02	1026	40 57 18 N	072 10 42 W	2.8	11.8	273	2.2	7.1
LONG POND NEAR SAG HARBOR, NY	05-08-02	1037	40 58 20 N	072 17 39 W	.0	17.6	105	10.0	6.6
	05-08-02	1044	40 58 20 N	072 17 39 W	1.0	17.6	105	10.3	6.6
	05-08-02	1045	40 58 20 N	072 17 39 W	2.0	17.6	105	10.1	6.7
	05-08-02	1046	40 58 20 N	072 17 39 W	3.0	17.6	105	10.0	6.8
	05-08-02	1047	40 58 20 N	072 17 39 W	4.0	17.5	105	10.0	6.8
	05-08-02	1048	40 58 20 N	072 17 39 W	5.0	17.3	105	9.9	6.8
	05-08-02	1049	40 58 20 N	072 17 39 W	6.0	17.3	105	9.8	6.8
MILL POND AT WATER MILL, NY	04-29-02	0918	40 54 35 N	072 21 47 W	.0	12.3	215	10.4	6.6
	04-29-02	0920	40 54 35 N	072 21 47 W	1.0	12.8	215	10.3	6.8
	04-29-02	0922	40 54 35 N	072 21 47 W	2.0	12.8	215	10.3	6.9
	04-29-02	0923	40 54 35 N	072 21 47 W	3.0	12.8	216	10.3	7.0
	04-29-02	0924	40 54 35 N	072 21 47 W	4.0	12.8	215	10.3	7.0
	04-29-02	0925	40 54 35 N	072 21 47 W	5.0	12.8	215	10.3	7.1
	04-29-02	0928	40 54 35 N	072 21 47 W	6.0	12.8	215	10.1	7.1
	04-29-02	0929	40 54 35 N	072 21 47 W	7.0	12.8	215	10.0	7.1
	04-29-02	0931	40 54 35 N	072 21 47 W	7.5	12.7	216	9.7	7.0

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
South Fork Hydrologic Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	DEPTH BOTTOM AT SAMPLE LOCATION, (FEET) (81903)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DRAINAGE AREA (SQ. MI.) (81024)	SAMPLING DEPTH (FEET) (00003)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
				SUFFOLK COUNTY						
BIG FRESH POND NEAR NORTH SEA, NY	05-16-02	1000	40 55 19 N	072 25 18 W	25.0	10	0.86	2.80	33.6	8.8
	06-07-02	0850	40 55 19 N	072 25 18 W	--	10	0.86	.33	--	--
FORT POND AT MONTAUK, NY	04-25-02	1025	41 02 11 N	071 56 49 W	24.6	10	1.00	6.43	77.2	10.4
	06-07-02	0905	41 02 11 N	071 56 49 W	--	10	1.00	.33	--	--
TROUT POND AT NOYACK, NY	04-30-02	1000	40 59 34 N	072 21 00 W	7.10	18	1.07	7.10	85.2	9.9
	06-07-02	0850	40 59 34 N	072 21 00 W	--	18	1.07	.33	--	--
HOOK POND AT EAST HAMPTON, NY	04-23-02	1045	40 57 18 N	072 10 42 W	2.80	5	4.06	1.50	19.4	11.5
	06-07-02	0955	40 57 18 N	072 10 42 W	--	5	4.06	.33	--	--
LONG POND NEAR SAG HARBOR, NY	05-08-02	1100	40 58 20 N	072 17 39 W	6.70	20	2.31	6.00	75.6	9.8
	05-20-02	1145	40 58 20 N	072 17 39 W	7.70	20	2.31	6.21	74.5	10.5
	06-07-02	0850	40 58 20 N	072 17 39 W	--	20	2.31	.33	--	--
MILL POND AT WATER MILL, NY	04-29-02	1000	40 54 35 N	072 21 47 W	7.34	10	4.02	1.70	20.4	10.3
	06-07-02	0940	40 54 35 N	072 21 47 W	--	10	4.02	.33	--	--

Local identifier	Date	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
BIG FRESH PD NEAR NORTH SEA, NY	05-16-02	7.1	125	20.0	14.8	.07	<.008	.36	.49	E.03	.030
	06-07-02	--	--	--	--	E.03	.013	.28	.36	.07	.014
FORT POND AT MONTAUK, NY	04-25-02	7.2	324	--	13.1	.18	E.004	.80	.83	.06	.020
	06-07-02	--	--	--	--	.05	<.008	.63	.84	<.05	.023
TROUT POND AT NOYACK, NY	04-30-02	6.6	74	--	11.4	E.03	E.007	.39	.22	.06	.011
	06-07-02	--	--	--	--	E.02	<.008	.20	.26	E.03	.051
HOOK POND AT EAST HAMPTON, NY	04-23-02	7.5	263	--	11.2	.09	.023	.88	.88	.63	.058
	06-07-02	--	--	--	--	.16	.012	.36	.47	1.84	.026
LONG POND NEAR SAG HARBOR, NY	05-08-02	6.8	105	15.6	17.3	<.04	<.008	.40	.35	<.09	.022
	05-20-02	6.7	100	14.8	15.3	--	--	--	--	--	--
	06-07-02	--	--	--	--	.10	<.008	.73	.40	<.05	.015
MILL POND AT WATER MILL, NY	04-29-02	6.9	215	--	12.8	.37	.041	1.6	2.3	1.01	.175
	06-07-02	--	--	--	--	E.03	.013	.87	1.9	.08	.138

Local identifier	Date	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	ORTHO-PHOSPHATE, DISSOLVED (MG/L AS P) (00671)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL DEISOPROPYL ATRAZIN DISS, REC (UG/L) (04039)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	PHENAN-THRENE DISSOLV(UG/L) (34462)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)
BIG FRESH PD NEAR NORTH SEA, NY	05-16-02	.009	<.02	<.04	<.01	--	--	--	<.5	--	--
	06-07-02	.008	<.02	<.04	<.01	<.02	E.04	<.04	--	<.03	<.03
FORT POND AT MONTAUK, NY	04-25-02	.009	<.02	<.04	<.01	--	--	--	<.5	--	--
	06-07-02	.010	<.02	<.04	<.01	<.02	E.02	<.04	--	<.03	<.03
TROUT POND AT NOYACK, NY	04-30-02	.018	E.01	<.04	<.01	--	--	--	<.5	--	--
	06-07-02	.013	<.02	<.04	<.01	E.05	E.03	<.04	--	<.03	<.03
HOOK POND AT EAST HAMPTON, NY	04-23-02	.023	E.01	E.01	<.01	--	--	--	<.5	--	--
	06-07-02	.015	<.02	<.04	E.01	E.02	E.08	<.04	--	1.73	E.01
LONG POND NEAR SAG HARBOR, NY	05-08-02	.015	<.02	<.04	<.01	--	--	--	--	--	--
	05-20-02	--	--	--	--	--	--	--	<.5	--	--
	06-07-02	.006	<.02	<.04	<.01	E.01	E.02	<.04	--	<.03	<.03
MILL POND AT WATER MILL, NY	04-29-02	.067	E.01	<.04	<.01	--	--	--	M	--	--
	06-07-02	.042	<.02	<.04	<.01	<.02	E.08	E.01	--	<.03	<.03

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
South Fork Hydrologic Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	SIDURON WATER FLTRD REC (UG/L) (38548)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DISSOLVED (UG/L) (39732)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	ALDICARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)
					SUFFOLK COUNTY						
BIG FRESH PD NEAR	05-16-02	--	<.02	--	<.5	E.003	<.02	<.01	<.01	<.02	<.008
NORTH SEA, NY	06-07-02	E.02	<.02	<.04	--	<.009	<.02	<.01	<.01	<.02	<.008
FORT POND AT	04-25-02	--	<.02	--	<.5	<.009	<.02	<.01	<.01	<.02	<.008
MONTAUK, NY	06-07-02	E.02	<.02	<.04	--	<.009	<.02	<.01	<.01	<.02	<.008
TROUT POND AT	04-30-02	--	<.02	--	<.5	<.009	<.02	<.01	<.01	<.02	<.008
NOYACK, NY	06-07-02	E.02	<.02	<.04	--	<.009	<.02	<.01	<.01	<.02	<.008
HOOK POND AT EAST	04-23-02	--	.06	--	<.5	<.009	<.02	<.01	<.01	<.02	<.008
HAMPTON, NY	06-07-02	E.02	<.02	.37	--	<.009	.03	<.01	.03	<.02	<.008
LONG POND NEAR SAG	05-08-02	--	<.02	--	--	<.009	<.02	<.01	<.01	<.02	<.008
HARBOR, NY	05-20-02	--	--	--	M	--	--	--	--	--	--
	06-07-02	E.02	<.02	<.04	--	<.009	<.02	<.01	<.01	<.02	<.008
MILL POND AT WATER	04-29-02	--	<.02	--	E.1	.012	<.02	<.01	<.01	E.01	E.036
MILL, NY	06-07-02	E.03	<.02	<.04	--	E.014	<.02	.01	<.01	<.02	<.008

Local identifier	Date	CAFFEINE, WATER FLTRD REC (UG/L) (50305)	HYDROXY ATRAZINE WATER FLTRD REC (UG/L) (50355)	METALAXYL WATER FLTRD REC (UG/L) (50359)	IMAZETHAPYR WATER FLTRD REC (UG/L) (50407)	3-BETA-COPROSTANOL, WATER, FLTERD REC (UG/L) (62057)	BENZOPHENONE WATER, FLTERD REC (UG/L) (62067)	BETA-SITOSTEROL, WATER, FLTERD REC (UG/L) (62068)	BISPHENOL A, WATER, FLTERD REC (UG/L) (62069)	CHOLESTEROL, WATER, FLTERD REC (UG/L) (62072)	NONYLPHENOL, DIETHOX WATER, FLTERD REC (UG/L) (62083)
BIG FRESH PD NEAR	05-16-02	<.5	<.008	<.02	<.02	<2	<.5	<2	M	<2	E2
NORTH SEA, NY	06-07-02	<.010	<.008	<.02	<.02	--	--	--	--	--	--
FORT POND AT	04-25-02	M	E.013	<.02	<.02	M	<.5	<2	<1	M	<5
MONTAUK, NY	06-07-02	<.010	E.015	<.02	<.02	--	--	--	--	--	--
TROUT POND AT	04-30-02	<.5	<.008	<.02	<.02	<2	<.5	<2	<1	<2	<5
NOYACK, NY	06-07-02	.043	<.008	<.02	<.02	--	--	--	--	--	--
HOOK POND AT EAST	04-23-02	M	<.008	<.02	<.02	<2	<.5	<2	<1	M	<5
HAMPTON, NY	06-07-02	.061	<.008	<.02	<.02	--	--	--	--	--	--
LONG POND NEAR SAG	05-08-02	E.006	<.008	<.02	E.03	--	--	--	--	--	--
HARBOR, NY	05-20-02	<.5	--	<.5	--	<2	M	<2	M	<2	E2
	06-07-02	.129	<.008	<.02	<.02	--	--	--	--	--	--
MILL POND AT WATER	04-29-02	<.5	E.009	E.01	<.02	M	M	M	<1	<2	<5
MILL, NY	06-07-02	<.010	<.008	<.02	<.02	--	--	--	--	--	--

Local identifier	Date	PARA-NONYLPHENOL, WATER, FLTERD REC (UG/L) (62085)	STIGMASTANOL, WATER, FLTERD REC (UG/L) (62086)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRICLOSAN, WATER, FLTERD REC (UG/L) (62090)	TRIPHNL PHOSPHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE—PHOSPHATE, WATER, FLTERD (UG/L) (62093)	CARBON DISULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)
BIG FRESH PD NEAR	05-16-02	<5	<2	<.5	<.5	M	<.5	<.5	--	--	--
NORTH SEA, NY	06-07-02	--	--	--	--	--	--	--	<.07	<.04	E.2
FORT POND AT	04-25-02	<5	<2	<.5	M	<1	M	<.5	--	--	--
MONTAUK, NY	06-07-02	--	--	--	--	--	--	--	<.07	<.04	.2
TROUT POND AT	04-30-02	<5	<2	<.5	<.5	<1	<.5	<.5	--	--	--
NOYACK, NY	06-07-02	--	--	--	--	--	--	--	<.07	<.04	<.2
HOOK POND AT EAST	04-23-02	<5	<2	E.1	E.1	<1	<.5	<.5	--	--	--
HAMPTON, NY	06-07-02	--	--	--	--	--	--	--	<.07	.60	.2
LONG POND NEAR SAG	05-08-02	--	--	--	--	--	--	--	--	--	--
HARBOR, NY	05-20-02	E1	<2	E.1	E.1	M	M	E.1	--	--	--
	06-07-02	--	--	--	--	--	--	--	<.07	<.04	<.2
MILL POND AT WATER	04-29-02	<5	M	E.1	M	<1	<.5	<.5	--	--	--
MILL, NY	06-07-02	--	--	--	--	--	--	--	E.03	<.04	E.1

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
South Fork Hydrologic Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)
	SUFFOLK COUNTY		
BIG FRESH PD NEAR NORTH SEA, NY	05-16-02	--	--
	06-07-02	<7	<.06
FORT POND AT MONTAUK, NY	04-25-02	--	--
	06-07-02	<7	<.06
TROUT POND AT NOYACK, NY	04-30-02	--	--
	06-07-02	<7	<.06
HOOK POND AT EAST HAMPTON, NY	04-23-02	--	--
	06-07-02	<7	E.01
LONG POND NEAR SAG HARBOR, NY	05-08-02	--	--
	05-20-02	--	--
	06-07-02	<7	E.01
MILL POND AT WATER MILL, NY	04-29-02	--	--
	06-07-02	7	E.02

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
KINGS COUNTY										
K 1678. 1	08-01-02	1200	40 35 49 N	073 57 01 W	5.8	8.0	1790	19.6	<.04	.022
K 2412. 1	07-17-02	1000	40 36 43 N	074 01 31 W	5.0	6.9	831	16.0	<.04	E.004
K 2511. 1	08-05-02	0905	40 34 27 N	073 58 33 W	8.8	7.6	46200	13.6	--	--
K 3216. 1	07-29-02	0915	40 37 55 N	073 56 52 W	4.5	7.6	934	16.2	<.04	<.008
	09-05-02	0955	40 37 55 N	073 56 52 W	4.8	7.7	760	17.0	--	--
K 3218. 1	07-29-02	1048	40 38 24 N	073 56 56 W	7.6	7.1	823	16.6	<.04	E.005
	09-05-02	1035	40 38 24 N	073 56 56 W	8.6	7.4	800	16.8	--	--
K 3242. 1	08-01-02	1005	40 36 08 N	073 57 57 W	4.5	7.3	743	23.0	<.04	.008
K 3257. 2	07-24-02	1015	40 40 17 N	073 54 45 W	12.1	6.1	1020	16.3	<.04	<.008
K 3267. 1	07-17-02	1100	40 37 09 N	073 58 41 W	7.8	6.7	290	24.3	.06	<.008
FRESH CREEK	07-17-02	0930	40 38 50 N	073 53 22 W	3.3	7.4	4370	23.9	.68	.021
NASSAU COUNTY										
N 2597. 1	07-29-02	1100	40 35 32 N	073 40 34 W	3.7	5.6	91	20.4	<.04	<.008
N 10620. 1	07-16-02	1230	40 35 11 N	073 45 09 W	3.3	6.3	215	17.8	<.04	E.004
N 11573. 1	07-31-02	1100	40 37 32 N	073 44 34 W	3.5	6.2	122	17.1	<.04	<.008
QUEENS COUNTY										
Q 305. 1	08-08-02	1000	40 42 50 N	073 45 38 W	5.3	6.1	567	14.5	<.04	<.008
Q 310. 1	08-07-02	0906	40 41 40 N	073 44 12 W	7.0	5.9	431	15.9	<.04	<.008
Q 323. 1	08-06-02	0915	40 42 00 N	073 44 03 W	2.9	5.6	278	13.9	<.04	<.008
Q 1249. 2	07-09-02	1100	40 42 41 N	073 44 33 W	6.3	5.4	511	16.2	<.04	<.008
Q 1663. 1	07-22-02	0900	40 42 05 N	073 52 18 W	11.6	7.4	981	15.8	<.04	<.008
Q 1840. 1	08-15-02	0925	40 40 57 N	073 48 54 W	5.5	6.8	723	15.7	.30	E.005
Q 1914. 1	08-05-02	1000	40 44 18 N	073 43 42 W	6.5	6.4	354	14.5	--	--
	08-05-02	1001	40 44 18 N	073 43 42 W	--	--	--	--	--	--
Q 1930. 1	07-18-02	0900	40 36 33 N	073 45 25 W	6.8	6.6	2720	13.9	1.89	E.005
Q 1957. 1	08-08-02	1005	40 42 50 N	073 45 38 W	6.3	6.1	469	14.7	<.04	<.008
Q 1958. 1	08-07-02	0920	40 41 40 N	073 44 12 W	3.8	5.6	238	13.7	<.04	<.008
Q 2026. 1	08-14-02	1005	40 40 42 N	073 43 36 W	3.1	5.5	314	14.3	<.04	<.008
Q 2188. 1	08-08-02	0915	40 43 32 N	073 44 29 W	8.3	5.8	348	15.3	<.04	<.008
Q 2289. 1	07-16-02	0930	40 40 16 N	073 50 06 W	5.5	6.6	1010	18.2	<.04	<.008
Q 2332. 1	08-15-02	1035	40 42 04 N	073 50 00 W	2.2	7.0	609	13.7	E.03	E.006
Q 2374. 1	08-13-02	0935	40 43 23 N	073 48 38 W	3.2	6.7	722	13.9	<.04	<.008
Q 2384. 1	07-16-02	1030	40 40 22 N	073 49 57 W	7.8	6.7	1880	15.3	<.04	<.008
Q 2409. 1	08-13-02	1035	40 43 29 N	073 48 27 W	4.3	6.4	564	14.3	<.04	<.008
Q 2422. 1	07-12-02	1145	40 40 25 N	073 46 38 W	.1	6.4	89	16.0	E.02	<.008
Q 2656. 1	07-15-02	0900	40 43 24 N	073 53 59 W	6.4	6.7	600	22.2	<.04	<.008
Q 2994. 1	06-27-02	0945	40 39 40 N	073 44 36 W	4.5	6.3	255	14.3	<.04	<.008
Q 2995. 1	06-27-02	1200	40 39 40 N	073 44 35 W	2.4	6.0	362	14.3	<.04	<.008
Q 3029. 1	08-14-02	1125	40 40 59 N	073 45 08 W	3.7	5.7	142	14.4	<.04	<.008
Q 3119. 1	08-21-02	0920	40 46 54 N	073 46 59 W	4.2	5.5	1290	21.0	.04	E.005
Q 3134. 1	07-25-02	0900	40 45 21 N	073 50 51 W	16.4	8.0	1560	14.7	.12	<.008
Q 3163. 1	07-10-02	1120	40 42 26 N	073 45 33 W	6.8	6.0	474	16.7	<.04	<.008
Q 3165. 1	07-02-02	0955	40 41 43 N	073 48 27 W	5.2	6.4	776	16.5	<.04	<.008
Q 3648. 1	07-05-02	1030	40 44 37 N	073 53 54 W	4.3	7.1	908	17.2	<.04	<.008
Q 3650. 1	07-19-02	0810	40 44 02 N	073 52 09 W	2.3	7.3	1040	17.7	E.02	<.008
Q 3651. 1	07-10-02	0935	40 42 51 N	073 51 26 W	2.5	6.9	1050	15.4	<.04	<.008
Q 3652. 1	07-23-02	0900	40 43 50 N	073 49 45 W	10.5	7.0	643	16.7	<.04	<.008
Q 3658. 1	07-08-02	1150	40 40 27 N	073 46 45 W	3.7	5.4	1150	17.4	<.04	<.008
Q 3659. 1	07-08-02	1015	40 43 13 N	073 47 52 W	4.2	6.1	776	15.2	<.04	<.008
Q 3660. 1	06-26-02	0815	40 44 50 N	073 47 03 W	1.8	6.1	576	15.8	<.04	<.008
Q 3661. 1	06-25-02	0900	40 43 57 N	073 46 20 W	7.8	6.0	422	12.9	E.03	<.008
Q 3805. 1	06-26-02	0945	40 45 04 N	073 44 44 W	9.0	6.4	552	12.8	<.04	<.008
Q 3808. 1	07-22-02	1010	40 42 32 N	073 52 44 W	10.8	6.6	667	14.8	<.04	<.008
Q 3811. 1	07-23-02	1020	40 41 47 N	073 47 50 W	4.9	6.3	636	15.8	<.04	<.008
Q 3813. 1	07-09-02	0930	40 42 33 N	073 47 13 W	9.3	6.2	456	16.1	<.04	<.008
Q 3814. 1	07-15-02	1000	40 43 37 N	073 54 03 W	6.0	6.0	548	20.2	<.04	<.008
CONSELYEAS POND TRIB.	06-27-02	0930	40 39 42 N	073 44 38 W	2.8	6.4	885	20.9	.07	<.008
	07-11-02	1230	40 39 42 N	073 44 38 W	5.7	6.5	836	21.3	--	--
SPRING CREEK	07-17-02	1100	40 39 30 N	073 51 40 W	5.4	7.3	3970	25.9	<.21	.127

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
KINGS COUNTY											
K 1678. 1	08-01-02	8.96	E.02	124	<2	42	.05	56.1	386	1.8	12.7
K 2412. 1	07-17-02	5.36	E.01	254	<2	126	E.02	122	51.3	E.6	23.2
K 2511. 1	08-05-02	--	--	136	5	34	E.48	352	15800	<40.0	16.2
K 3216. 1	07-29-02	7.86	.04	156	E1	88	<.04	62.0	88.1	1.5	2.0
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3218. 1	07-29-02	11.9	<.02	130	<2	121	.04	56.8	113	3.4	2.6
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3242. 1	08-01-02	7.28	<.02	131	<2	76	<.04	38.1	92.8	E.7	5.7
K 3257. 2	07-24-02	8.57	<.02	108	<2	98	E.03	74.6	166	3.1	3.7
K 3267. 1	07-17-02	8.69	.08	63	<2	32	<.04	17.9	11.9	E.4	21.3
FRESH CREEK	07-17-02	E.04	.24	114	8	17	<.53	340	14700	3.8	10.4
NASSAU COUNTY											
N 2597. 1	07-29-02	<.05	<.02	4	<2	34	<.04	1.16	6.25	<.8	7.1
N 10620. 1	07-16-02	E.04	.05	9	<2	49	<.04	6.20	42.4	<.8	<.6
N 11573. 1	07-31-02	<.05	<.02	15	M	25	<.04	4.13	8.99	<.8	E.6
QUEENS COUNTY											
Q 305. 1	08-08-02	6.13	E.01	57	<2	27	<.04	30.4	90.8	1.7	9.0
Q 310. 1	08-07-02	6.00	<.02	31	<2	45	<.04	28.7	67.4	E.6	32.4
Q 323. 1	08-06-02	5.82	<.02	18	<2	8	<.04	15.8	28.6	<.8	6.7
Q 1249. 2	07-09-02	11.7	<.02	27	<2	49	.06	38.7	88.8	E.6	.8
Q 1663. 1	07-22-02	12.4	E.01	253	<2	145	E.03	98.8	82.5	3.7	17.6
Q 1840. 1	08-15-02	8.46	E.02	139	<2	89	E.02	57.2	80.8	2.4	7.8
Q 1914. 1	08-05-02	--	--	51	<2	26	.33	22.9	41.5	3.1	86.4
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<.05	<.02	122	E4	81	<.35	318	9050	E1.3	12.5
Q 1957. 1	08-08-02	5.00	E.01	57	<2	18	<.04	27.9	68.3	<.8	8.6
Q 1958. 1	08-07-02	.56	<.02	15	<2	6	<.04	12.7	30.0	<.8	4.6
Q 2026. 1	08-14-02	<.05	<.02	10	<2	2	E.02	14.7	50.9	1.8	76.2
Q 2188. 1	08-08-02	6.24	<.02	29	<2	33	<.04	20.8	46.8	<.8	31.0
Q 2289. 1	07-16-02	10.7	<.04	153	<2	54	<.04	65.7	148	2.1	33.5
Q 2332. 1	08-15-02	.47	.03	177	2	25	.08	65.7	42.9	1.8	4.5
Q 2374. 1	08-13-02	2.16	.03	159	<2	47	<.04	66.3	78.0	2.4	3.0
Q 2384. 1	07-16-02	11.5	.04	142	<2	100	<.04	112	424	2.3	9.4
Q 2409. 1	08-13-02	4.07	.02	101	<2	25	<.04	43.6	66.6	1.8	2.8
Q 2422. 1	07-12-02	<.05	<.02	21	<2	19	<.04	3.14	3.61	.8	4.4
Q 2656. 1	07-15-02	2.79	<.02	258	<2	64	.10	76.1	12.5	1.3	29.7
Q 2994. 1	06-27-02	<.05	<.02	26	<2	9	<.04	4.10	32.7	<.8	1.7
Q 2995. 1	06-27-02	<.05	<.02	21	3	21	.17	11.1	57.9	<.8	36.1
Q 3029. 1	08-14-02	.06	<.02	11	<2	1	<.04	7.86	11.6	1.6	33.9
Q 3119. 1	08-21-02	5.33	<.02	15	<2	83	.12	67.4	319	5.1	2.4
Q 3134. 1	07-25-02	E.04	.18	143	<2	120	<.04	27.2	337	<.8	1.0
Q 3163. 1	07-10-02	7.83	E.02	43	<2	29	<.04	19.5	73.4	.9	.7
Q 3165. 1	07-02-02	8.17	<.02	97	<2	62	E.02	47.4	129	<.8	.9
Q 3648. 1	07-05-02	8.34	<.02	202	<2	77	E.03	72.0	81.9	1.3	3.6
Q 3650. 1	07-19-02	2.68	.05	259	<2	78	E.03	113	127	<.8	1.5
Q 3651. 1	07-10-02	3.26	E.02	420	<2	160	<.04	114	58.7	<.8	1.4
Q 3652. 1	07-23-02	3.77	E.01	209	<2	70	<.04	54.2	48.2	4.9	.8
Q 3658. 1	07-08-02	6.05	E.01	27	<2	130	.11	73.3	264	<.8	1.2
Q 3659. 1	07-08-02	2.99	E.01	108	<2	150	.17	69.6	115	4.6	3.7
Q 3660. 1	06-26-02	4.26	<.02	152	<2	73	.04	45.4	48.2	2.2	1.1
Q 3661. 1	06-25-02	3.53	E.01	96	<2	24	<.04	35.2	34.4	<.8	1.2
Q 3805. 1	06-26-02	1.87	<.02	74	<2	45	.04	27.4	89.4	2.3	2.6
Q 3808. 1	07-22-02	9.05	<.02	131	<2	55	E.02	53.0	79.3	4.2	2.7
Q 3811. 1	07-23-02	6.55	<.02	184	<2	45	<.04	77.1	21.2	.9	1.1
Q 3813. 1	07-09-02	6.08	<.02	62	<2	24	<.04	30.8	62.8	.9	1.2
Q 3814. 1	07-15-02	6.97	<.02	52	2	98	.11	27.9	73.4	23.6	32.3
CONSELYEAS POND	06-27-02	E.04	<.02	95	3	62	.04	29.4	167	<.8	.7
TRIB.	07-11-02	--	--	--	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	.25	.32	184	E5	72	<.46	289	12400	6.1	11.3

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
					KINGS COUNTY						
K 1678. 1	08-01-02	.20	220	1	41.1	57	.05	<.01	8.0	7.2	994
K 2412. 1	07-17-02	<.10	<10	2	24.0	<1	<.05	<.01	7.6	3.1	527
K 2511. 1	08-05-02	.71	<180	<16	1040	3910	.13	<.01	7.5	274	31000
K 3216. 1	07-29-02	<.10	<10	<1	31.7	1	<.05	<.01	7.8	2.4	498
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3218. 1	07-29-02	<.10	580	3	32.9	16	<.05	E.01	7.3	2.4	523
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3242. 1	08-01-02	E.06	<10	2	34.1	54	<.05	<.01	7.5	2.4	443
K 3257. 2	07-24-02	E.10	2150	1	20.6	159	<.05	<.01	6.3	3.4	581
K 3267. 1	07-17-02	.27	710	1	18.8	22	<.05	<.01	7.0	1.8	171
FRESH CREEK	07-17-02	.76	<10	<15	196	99	.18	.01	7.3	393	29100
					NASSAU COUNTY						
N 2597. 1	07-29-02	E.09	5320	<1	.97	122	E.04	<.01	6.0	1.0	52
N 10620. 1	07-16-02	<.10	8220	<1	1.86	217	<.05	<.01	6.2	2.5	115
N 11573. 1	07-31-02	<.10	6380	<1	.69	118	<.05	<.01	6.3	.9	64
					QUEENS COUNTY						
Q 305. 1	08-08-02	<.10	E10	<1	15.8	49	<.05	<.01	6.4	2.6	336
Q 310. 1	08-07-02	<.10	40	<1	5.99	7	<.05	<.01	6.2	2.1	277
Q 323. 1	08-06-02	<.10	740	<1	8.74	72	<.05	<.01	5.9	1.6	172
Q 1249. 2	07-09-02	<.10	50	<1	6.99	11	<.05	<.01	5.7	3.2	344
Q 1663. 1	07-22-02	<.10	120	<1	40.9	2	<.05	<.01	7.5	2.3	610
Q 1840. 1	08-15-02	<.10	<10	<1	25.1	176	<.05	<.01	7.2	2.7	432
Q 1914. 1	08-05-02	E.09	420	11	8.00	13	<.05	.03	6.9	4.3	212
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	E.06	36900	<10	36.6	2230	.11	<.01	6.5	140	17300
Q 1957. 1	08-08-02	<.10	<10	<1	15.0	18	.10	<.01	6.5	2.2	274
Q 1958. 1	08-07-02	<.10	10	<1	8.09	37	<.05	<.01	5.9	1.4	152
Q 2026. 1	08-14-02	<.10	1410	<1	9.80	293	<.05	<.01	5.7	1.6	164
Q 2188. 1	08-08-02	<.10	<10	<1	9.95	<1	<.05	<.01	6.2	1.6	221
Q 2289. 1	07-16-02	<.10	150	3	28.5	2	<.05	<.01	7.5	2.4	587
Q 2332. 1	08-15-02	E.08	500	<1	28.0	116	<.05	<.01	7.5	2.1	388
Q 2374. 1	08-13-02	E.09	<10	<1	32.4	<1	<.05	<.01	7.0	2.4	501
Q 2384. 1	07-16-02	<.10	<10	<1	47.0	56	<.05	<.01	7.7	--	1110
Q 2409. 1	08-13-02	E.08	M	<1	22.8	7	<.05	<.01	6.6	2.2	323
Q 2422. 1	07-12-02	E.08	7920	5	1.92	169	<.05	<.01	6.7	1.2	50
Q 2656. 1	07-15-02	<.10	20	<1	26.8	88	<.05	<.01	7.0	--	363
Q 2994. 1	06-27-02	<.10	4220	<1	2.38	269	<.05	<.01	6.4	1.8	149
Q 2995. 1	06-27-02	<.10	6470	28	6.14	445	E.03	<.01	6.3	2.5	202
Q 3029. 1	08-14-02	<.10	820	<1	5.41	67	<.05	<.01	5.9	1.3	90
Q 3119. 1	08-21-02	<.10	10900	<1	32.6	117	<.05	.01	5.9	4.1	722
Q 3134. 1	07-25-02	.17	<10	<1	23.9	122	<.05	<.01	8.2	6.7	812
Q 3163. 1	07-10-02	<.10	<10	<1	5.47	<1	<.05	<.01	6.2	2.1	276
Q 3165. 1	07-02-02	<.10	<10	<1	23.9	<1	<.05	<.01	6.7	2.4	426
Q 3648. 1	07-05-02	<.10	110	<1	27.0	28	<.05	<.01	7.4	1.9	535
Q 3650. 1	07-19-02	<.10	180	<1	46.2	62	.13	E.01	7.5	3.4	660
Q 3651. 1	07-10-02	<.10	M	<1	50.5	28	<.05	<.01	7.2	2.0	629
Q 3652. 1	07-23-02	<.10	130	<1	30.1	4	<.05	<.01	7.2	1.7	397
Q 3658. 1	07-08-02	<.10	<10	<1	8.88	87	.12	<.01	5.7	7.0	685
Q 3659. 1	07-08-02	<.10	1150	3	31.4	38	<.05	.04	6.3	4.0	450
Q 3660. 1	06-26-02	<.10	70	<1	23.8	2	.05	E.01	6.5	1.6	412
Q 3661. 1	06-25-02	.14	150	<1	21.0	2	.05	<.01	6.4	1.7	254
Q 3805. 1	06-26-02	<.10	1110	2	17.5	19	E.03	<.01	6.7	2.0	393
Q 3808. 1	07-22-02	<.10	1110	<1	22.9	94	<.05	<.01	6.9	1.5	406
Q 3811. 1	07-23-02	<.10	40	<1	16.4	<1	E.03	<.01	6.6	4.2	445
Q 3813. 1	07-09-02	<.10	500	<1	12.1	15	E.04	<.01	6.4	--	266
Q 3814. 1	07-15-02	E.08	29400	11	17.2	490	.25	.01	6.5	3.4	292
CONSELYEAS POND	06-27-02	<.10	4430	<1	8.62	666	.08	<.01	6.8	3.2	416
TRIB.	07-11-02	--	--	--	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	.67	280	<13	792	367	.20	.02	7.3	330	24300

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
			KINGS COUNTY					
K 1678. 1	08-01-02	3.1	24.8	<.05	212	1730	111	122
K 2412. 1	07-17-02	.7	39.3	<.05	17.4	796	83.0	15
K 2511. 1	08-05-02	96.2	9.5	<.80	1760	39100	2120	<16
K 3216. 1	07-29-02	2.2	29.3	<.05	41.7	733	71.5	15
	09-05-02	--	--	--	--	--	--	--
K 3218. 1	07-29-02	3.0	35.3	<.05	41.2	756	58.4	76
	09-05-02	--	--	--	--	--	--	--
K 3242. 1	08-01-02	1.3	28.9	<.05	43.0	680	67.7	2
K 3257. 2	07-24-02	2.3	18.7	<.05	77.5	958	93.8	5
K 3267. 1	07-17-02	1.1	21.3	<.05	6.0	293	32.0	44
FRESH CREEK	07-17-02	15.8	1.8	<.75	1480	35800	2120	<15
			NASSAU COUNTY					
N 2597. 1	07-29-02	<.4	9.0	<.05	9.0	88	17.8	33
N 10620. 1	07-16-02	<.4	9.4	<.05	22.5	198	11.2	2
N 11573. 1	07-31-02	<.4	8.2	<.05	12.5	104	16.3	7
			QUEENS COUNTY					
Q 305. 1	08-08-02	1.6	20.6	<.05	44.6	538	45.0	3
Q 310. 1	08-07-02	1.3	14.9	<.05	36.7	410	36.7	5
Q 323. 1	08-06-02	.8	17.2	<.05	15.9	265	34.8	3
Q 1249. 2	07-09-02	.5	21.5	<.05	35.1	506	27.6	3
Q 1663. 1	07-22-02	2.3	27.0	<.05	31.7	908	89.6	71
Q 1840. 1	08-15-02	.9	23.0	<.05	44.8	691	70.8	4
Q 1914. 1	08-05-02	.6	16.4	.11	23.9	364	32.0	476
	08-05-02	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<3.6	28.4	<.50	4540	23000	1150	<10
Q 1957. 1	08-08-02	1.6	18.5	<.05	29.2	448	38.4	4
Q 1958. 1	08-07-02	.7	17.1	<.05	15.8	230	39.8	2
Q 2026. 1	08-14-02	<.4	14.7	<.05	20.1	304	48.0	21
Q 2188. 1	08-08-02	1.4	18.2	<.05	21.0	332	30.9	4
Q 2289. 1	07-16-02	1.3	21.9	<.05	83.2	952	74.3	51
Q 2332. 1	08-15-02	1.7	20.6	<.05	12.3	589	77.0	4
Q 2374. 1	08-13-02	.6	22.6	<.05	22.9	701	81.6	2
Q 2384. 1	07-16-02	.9	19.1	<.05	168	1830	95.3	4
Q 2409. 1	08-13-02	.7	23.3	<.05	25.4	549	55.8	4
Q 2422. 1	07-12-02	<.4	8.5	<.05	5.9	76	6.2	7
Q 2656. 1	07-15-02	.5	30.5	<.05	8.2	564	34.7	240
Q 2994. 1	06-27-02	<.4	14.6	<.05	34.4	252	32.6	16
Q 2995. 1	06-27-02	E.2	13.7	<.05	38.1	353	44.9	37
Q 3029. 1	08-14-02	E.3	15.0	<.05	7.4	154	29.4	8
Q 3119. 1	08-21-02	.5	11.5	.23	104	1190	78.6	248
Q 3134. 1	07-25-02	.5	13.4	<.05	204	1480	75.3	49
Q 3163. 1	07-10-02	.6	16.5	<.05	53.0	469	31.9	2
Q 3165. 1	07-02-02	E.3	25.0	<.05	52.7	749	48.6	2
Q 3648. 1	07-05-02	3.2	26.9	<.05	55.2	866	79.5	4
Q 3650. 1	07-19-02	<.4	25.1	<.05	22.7	962	93.7	3
Q 3651. 1	07-10-02	E.3	26.6	<.05	25.5	1010	65.8	<1
Q 3652. 1	07-23-02	.4	22.3	<.05	24.8	606	38.8	1
Q 3658. 1	07-08-02	.7	14.6	<.05	106	1100	65.2	2
Q 3659. 1	07-08-02	.7	26.6	<.05	16.7	743	79.2	10
Q 3660. 1	06-26-02	.7	23.9	<.05	23.7	570	53.9	1
Q 3661. 1	06-25-02	E.3	27.3	<.05	8.2	420	44.2	1
Q 3805. 1	06-26-02	.6	21.4	<.05	42.9	548	46.6	3
Q 3808. 1	07-22-02	2.8	23.2	<.05	36.4	639	43.6	4
Q 3811. 1	07-23-02	2.8	18.9	<.05	28.5	632	102	1
Q 3813. 1	07-09-02	1.4	21.8	<.05	30.4	450	35.2	2
Q 3814. 1	07-15-02	2.1	24.3	E.03	43.3	488	49.1	44
CONSELYEAS POND	06-27-02	.4	12.5	<.05	101	757	15.4	4
TRIB.	07-11-02	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	6.0	6.6	<.65	1260	31100	1710	19

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L) (39100)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	CAFFEINE, WATER FLTRD REC (UG/L) (50305)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
KINGS COUNTY										
K 1678. 1	08-01-02	1200	40 35 49 N	073 57 01 W	<.007	<6	<.03	E.021	<.03	<.041
K 2412. 1	07-17-02	1000	40 36 43 N	074 01 31 W	<.007	59	E.01	<.010	<.03	<.041
K 2511. 1	08-05-02	0905	40 34 27 N	073 58 33 W	<.007	<6	<.03	<.010	<.03	<.041
K 3216. 1	07-29-02	0915	40 37 55 N	073 56 52 W	--	<6	--	--	--	--
	09-05-02	0955	40 37 55 N	073 56 52 W	<.007	--	<.03	<.010	<.03	<.041
K 3218. 1	07-29-02	1048	40 38 24 N	073 56 56 W	<.007	--	--	--	--	<.041
	09-05-02	1035	40 38 24 N	073 56 56 W	<.009	<6	<.03	<.010	<.03	--
K 3242. 1	08-01-02	1005	40 36 08 N	073 57 57 W	<.007	<10	<.03	<.010	<.03	<.041
K 3257. 2	07-24-02	1015	40 40 17 N	073 54 45 W	<.007	<6	<.03	<.010	<.03	<.041
K 3267. 1	07-17-02	1100	40 37 09 N	073 58 41 W	<.009	<6	E.40	<.010	<.03	--
FRESH CREEK	07-17-02	0930	40 38 50 N	073 53 22 W	<.007	<6	<.03	.152	<.03	<.041
NASSAU COUNTY										
N 2597. 1	07-29-02	1100	40 35 32 N	073 40 34 W	<.007	<6	<.03	<.5	<.03	<.041
N 10620. 1	07-16-02	1230	40 35 11 N	073 45 09 W	<.007	E2	<.03	<.010	<.03	<.041
N 11573. 1	07-31-02	1100	40 37 32 N	073 44 34 W	<.007	<6	<.03	E.006	<.03	<.041
QUEENS COUNTY										
Q 305. 1	08-08-02	1000	40 42 50 N	073 45 38 W	E.007	<6	<.03	<.010	<.03	<.041
Q 310. 1	08-07-02	0906	40 41 40 N	073 44 12 W	<.007	<6	<.03	<.010	<.03	<.041
Q 323. 1	08-06-02	0915	40 42 00 N	073 44 03 W	<.007	<6	<.03	<.010	<.03	<.041
Q 1249. 2	07-09-02	1100	40 42 41 N	073 44 33 W	<.007	<6	<.03	<.010	<.03	<.041
Q 1663. 1	07-22-02	0900	40 42 05 N	073 52 18 W	<.007	<6	E.01	<.010	<.03	<.041
Q 1840. 1	08-15-02	0925	40 40 57 N	073 48 54 W	E.006	<6	<.03	<.010	<.03	<.041
Q 1914. 1	08-05-02	1000	40 44 18 N	073 43 42 W	E.005	<6	<.03	<.010	<.03	<.041
	08-05-02	1001	40 44 18 N	073 43 42 W	--	--	--	--	--	--
Q 1930. 1	07-18-02	0900	40 36 33 N	073 45 25 W	<.007	<6	<.03	<.010	<.03	<.041
Q 1957. 1	08-08-02	1005	40 42 50 N	073 45 38 W	<.007	<6	<.03	<.010	<.03	<.041
Q 1958. 1	08-07-02	0920	40 41 40 N	073 44 12 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2026. 1	08-14-02	1005	40 40 42 N	073 43 36 W	<.007	<6	<.03	E.004	<.03	<.041
Q 2188. 1	08-08-02	0915	40 43 32 N	073 44 29 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2289. 1	07-16-02	0930	40 40 16 N	073 50 06 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2332. 1	08-15-02	1035	40 42 04 N	073 50 00 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2374. 1	08-13-02	0935	40 43 23 N	073 48 38 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2384. 1	07-16-02	1030	40 40 22 N	073 49 57 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2409. 1	08-13-02	1035	40 43 29 N	073 48 27 W	.008	<6	<.03	<.010	<.03	<.041
Q 2422. 1	07-12-02	1145	40 40 25 N	073 46 38 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2656. 1	07-15-02	0900	40 43 24 N	073 53 59 W	--	--	<.03	<.010	<.03	--
Q 2994. 1	06-27-02	0945	40 39 40 N	073 44 36 W	<.007	<6	<.03	<.010	<.03	<.041
Q 2995. 1	06-27-02	1200	40 39 40 N	073 44 35 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3029. 1	08-14-02	1125	40 40 59 N	073 45 08 W	<.007	<6	<.03	E.004	<.03	<.041
Q 3119. 1	08-21-02	0920	40 46 54 N	073 46 59 W	<.007	<6	<.03	E.005	<.03	<.041
Q 3134. 1	07-25-02	0900	40 45 21 N	073 50 51 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3163. 1	07-10-02	1120	40 42 26 N	073 45 33 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3165. 1	07-02-02	0955	40 41 43 N	073 48 27 W	E.004	<6	<.03	<.010	<.03	<.041
Q 3648. 1	07-05-02	1030	40 44 37 N	073 53 54 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3650. 1	07-19-02	0810	40 44 02 N	073 52 09 W	<.007	<6	E.01	E.013	<.03	<.041
Q 3651. 1	07-10-02	0935	40 42 51 N	073 51 26 W	<.007	<6	E.01	<.010	<.03	<.041
Q 3652. 1	07-23-02	0900	40 43 50 N	073 49 45 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3658. 1	07-08-02	1150	40 40 27 N	073 46 45 W	E.004	E2	<.03	<.010	<.03	<.041
Q 3659. 1	07-08-02	1015	40 43 13 N	073 47 52 W	<.007	E4	--	--	--	<.041
Q 3660. 1	06-26-02	0815	40 44 50 N	073 47 03 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3661. 1	06-25-02	0900	40 43 57 N	073 46 20 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3805. 1	06-26-02	0945	40 45 04 N	073 44 44 W	E.004	<6	<.03	<.010	<.03	<.041
Q 3808. 1	07-22-02	1010	40 42 32 N	073 52 44 W	<.007	<6	<.03	<.010	<.03	<.041
Q 3811. 1	07-23-02	1020	40 41 47 N	073 47 50 W	E.005	<6	<.03	<.010	<.03	<.041
Q 3813. 1	07-09-02	0930	40 42 33 N	073 47 13 W	--	--	<.03	<.010	<.03	--
Q 3814. 1	07-15-02	1000	40 43 37 N	073 54 03 W	<.007	<6	E.41	.280	<.03	<.041
CONSELYEAS POND TRIB.	06-27-02	0930	40 39 42 N	073 44 38 W	<.007	--	<.03	--	E.02	E.062
	07-11-02	1230	40 39 42 N	073 44 38 W	--	<6	--	--	--	--
SPRING CREEK	07-17-02	1100	40 39 30 N	073 51 40 W	<.007	<6	<.03	E.163	<.03	<.041

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04039)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DIELDRIN TOTAL (UG/L) (39380)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HYDROXYATRAZINE WATER FLTRD REC (UG/L) (50355)	IMAZAQUIN WATER FLTRD REC (UG/L) (50356)	IMAZETHAPYR WATER FLTRD REC (UG/L) (50407)
KINGS COUNTY											
K 1678. 1	08-01-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
K 2412. 1	07-17-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
K 2511. 1	08-05-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
K 3216. 1	07-29-02	--	--	--	--	--	--	--	--	--	--
	09-05-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
K 3218. 1	07-29-02	E.008	--	--	<.005	<.005	<.006	<.009	--	--	--
	09-05-02	E.01	<.01	<.04	--	--	--	--	<.008	<.02	<.02
K 3242. 1	08-01-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	M
K 3257. 2	07-24-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
K 3267. 1	07-17-02	<.03	<.01	<.04	--	--	<.006	<.009	<.008	E.01	<.02
FRESH CREEK	07-17-02	<.006	E.10	<.04	<.005	<.005	--	--	<.008	<.02	<.02
NASSAU COUNTY											
N 2597. 1	07-29-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
N 10620. 1	07-16-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
N 11573. 1	07-31-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
QUEENS COUNTY											
Q 305. 1	08-08-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 310. 1	08-07-02	<.006	<.01	<.04	<.005	.055	.047	.010	<.008	<.02	<.02
Q 323. 1	08-06-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1249. 2	07-09-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1663. 1	07-22-02	E.004	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1840. 1	08-15-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1914. 1	08-05-02	<.006	<.01	<.04	<.005	.014	.011	<.009	<.008	<.02	<.02
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1957. 1	08-08-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 1958. 1	08-07-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2026. 1	08-14-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	E.02
Q 2188. 1	08-08-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2289. 1	07-16-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2332. 1	08-15-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2374. 1	08-13-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2384. 1	07-16-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 2409. 1	08-13-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	E.004	<.02	<.02
Q 2422. 1	07-12-02	<.006	<.01	<.04	<.005	<.005	--	--	<.008	<.02	<.02
Q 2656. 1	07-15-02	--	<.01	<.04	--	--	<.006	<.009	<.008	<.02	E.01
Q 2994. 1	06-27-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	E.01
Q 2995. 1	06-27-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	M
Q 3029. 1	08-14-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	M
Q 3119. 1	08-21-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3134. 1	07-25-02	<.006	<.01	<.04	<.005	<.005	--	--	<.008	<.02	<.02
Q 3163. 1	07-10-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3165. 1	07-02-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3648. 1	07-05-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3650. 1	07-19-02	E.005	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3651. 1	07-10-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3652. 1	07-23-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	--
Q 3658. 1	07-08-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3659. 1	07-08-02	<.006	--	--	<.005	<.005	<.006	<.009	--	--	--
Q 3660. 1	06-26-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3661. 1	06-25-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3805. 1	06-26-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3808. 1	07-22-02	<.006	<.01	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02
Q 3811. 1	07-23-02	E.002	<.01	E.01	<.005	<.005	<.006	<.009	<.008	<.02	--
Q 3813. 1	07-09-02	--	<.01	<.04	--	--	<.006	<.009	<.008	<.02	<.02
Q 3814. 1	07-15-02	<.006	<.01	<.04	<.005	.041	.045	<.009	<.008	<.02	<.02
CONSELYEAS POND	06-27-02	<.006	<.01	<.04	.199	<.005	<.006	<.009	<.008	<.02	<.02
TRIB.	07-11-02	--	--	--	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	<.006	E.12	<.04	<.005	<.005	<.006	<.009	<.008	<.02	<.02

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	METALAXYL WATER FLTRD REC (UG/L) (50359)	METSULFURON METHYL WAT FLT REC (UG/L) (61697)	PHENOL UNFILT. WATER (UG/L) (34694)	PHENOL WATER FILTRD (UG/L) (34466)	PROMETON, WATER, DISS, REC (UG/L) (04037)	SIDURON WATER FLTRD REC (UG/L) (38548)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TRIS(2-BUTOXE—PHOSPHATE, WATER, FLTERD (UG/L) (62093)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)
KINGS COUNTY											
K 1678. 1	08-01-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
K 2412. 1	07-17-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
K 2511. 1	08-05-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
K 3216. 1	07-29-02	--	--	<3.0	--	--	--	--	--	E.02	<.06
	09-05-02	<.02	<.03	--	--	<.01	<.02	<.005	--	--	--
K 3218. 1	07-29-02	--	--	--	--	<.01	--	<.005	--	E.09	<.06
	09-05-02	<.02	<.03	E.6	--	--	<.02	--	--	--	--
K 3242. 1	08-01-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.02	<.06
K 3257. 2	07-24-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.09	<.06
K 3267. 1	07-17-02	.42	<.03	<3.0	--	--	<.02	--	--	<.03	<.06
FRESH CREEK	07-17-02	<.02	E.07	<3.0	--	E.01	<.02	<.005	--	<.06	<.12
NASSAU COUNTY											
N 2597. 1	07-29-02	<.02	<.03	<3.0	.8	<.01	<.02	<.005	E.1	<.03	<.06
N 10620. 1	07-16-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
N 11573. 1	07-31-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
QUEENS COUNTY											
Q 305. 1	08-08-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.08	<.06
Q 310. 1	08-07-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.10	<.06
Q 323. 1	08-06-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.01	<.06
Q 1249. 2	07-09-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.04	<.06
Q 1663. 1	07-22-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	19.9	E.09
Q 1840. 1	08-15-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.11	<.06
Q 1914. 1	08-05-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.04	<.06
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<.02	<.03	<3.0	--	<.01	<.02	E.003	--	<.03	<.06
Q 1957. 1	08-08-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.07	<.06
Q 1958. 1	08-07-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 2026. 1	08-14-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 2188. 1	08-08-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.05	<.06
Q 2289. 1	07-16-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.15	<.06
Q 2332. 1	08-15-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 2374. 1	08-13-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.02	<.06
Q 2384. 1	07-16-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.06	<.06
Q 2409. 1	08-13-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.10	<.06
Q 2422. 1	07-12-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	--	--
Q 2656. 1	07-15-02	<.02	<.03	--	--	--	<.02	--	--	E.06	<.06
Q 2994. 1	06-27-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 2995. 1	06-27-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 3029. 1	08-14-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 3119. 1	08-21-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.01	<.06
Q 3134. 1	07-25-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 3163. 1	07-10-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	--	--
Q 3165. 1	07-02-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.13	<.06
Q 3648. 1	07-05-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.01	<.06
Q 3650. 1	07-19-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.13	<.06
Q 3651. 1	07-10-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	--	--
Q 3652. 1	07-23-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	.18	<.06
Q 3658. 1	07-08-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.01	<.06
Q 3659. 1	07-08-02	--	--	<3.0	--	<.01	--	<.005	--	.60	<.06
Q 3660. 1	06-26-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.08	<.06
Q 3661. 1	06-25-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
Q 3805. 1	06-26-02	<.02	<.03	<3.0	--	<.01	<.02	.012	--	1.34	E.03
Q 3808. 1	07-22-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	E.05	<.06
Q 3811. 1	07-23-02	<.02	<.03	<3.0	--	<.01	<.02	.007	--	<.03	<.06
Q 3813. 1	07-09-02	<.02	<.03	--	--	--	<.02	--	--	E.02	<.06
Q 3814. 1	07-15-02	<.02	<.03	<3.0	--	<.01	<.02	<.005	--	<.03	<.06
CONSELYEAS POND	06-27-02	<.02	<.03	--	--	.03	.03	<.005	--	<.03	<.06
TRIB.	07-11-02	--	--	<3.0	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	<.02	E.08	<3.0	--	<.01	<.02	<.005	--	<.06	<.12

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BENZENE 124-TRIMETHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRIMETHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	CARBON DISULFIDE WATER WHOLE TOTAL (UG/L) (77041)
KINGS COUNTY											
K 1678. 1	08-01-02	<.04	<.04	<.1	<.03	<.03	<7	E.05	E.02	<.05	<.07
K 2412. 1	07-17-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
K 2511. 1	08-05-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
K 3216. 1	07-29-02	<.04	<.04	<.1	E.02	E.14	E20	E.01	<.04	<.05	<.07
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3218. 1	07-29-02	<.04	<.04	<.1	<.03	<.03	<7	E.04	E.02	<.05	<.07
	09-05-02	--	--	--	--	--	--	--	--	<2	--
K 3242. 1	08-01-02	.50	E.04	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
K 3257. 2	07-24-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
K 3267. 1	07-17-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	.11
FRESH CREEK	07-17-02	<.07	<.08	<.3	<.06	<.06	<14	<.11	<.09	E.11	.31
NASSAU COUNTY											
N 2597. 1	07-29-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
N 10620. 1	07-16-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
N 11573. 1	07-31-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
QUEENS COUNTY											
Q 305. 1	08-08-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 310. 1	08-07-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 323. 1	08-06-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 1249. 2	07-09-02	.12	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 1663. 1	07-22-02	.98	28.2	.9	<.05	E.03	<7	<.06	<.04	<.05	<.07
Q 1840. 1	08-15-02	E.03	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 1914. 1	08-05-02	<.04	E.01	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<.04	<.04	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 1957. 1	08-08-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 1958. 1	08-07-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2026. 1	08-14-02	<.04	<.04	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 2188. 1	08-08-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2289. 1	07-16-02	E.06	E.06	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2332. 1	08-15-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2374. 1	08-13-02	E.04	<.04	<.1	E.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2384. 1	07-16-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2409. 1	08-13-02	E.02	E.02	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 2422. 1	07-12-02	--	--	--	--	--	--	--	--	--	--
Q 2656. 1	07-15-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 2994. 1	06-27-02	<.04	<.04	<.1	.49	<.03	<7	<.06	<.04	<.05	<.07
Q 2995. 1	06-27-02	<.04	<.04	<.1	.34	<.03	<7	<.06	<.04	<.05	<.07
Q 3029. 1	08-14-02	<.04	<.04	<.1	E.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3119. 1	08-21-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3134. 1	07-25-02	<.04	<.04	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 3163. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q 3165. 1	07-02-02	.13	<.04	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 3648. 1	07-05-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3650. 1	07-19-02	.42	.46	<.1	<.03	.13	<7	<.06	<.04	<.05	<.07
Q 3651. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q 3652. 1	07-23-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3658. 1	07-08-02	<.04	<.04	<.1	E.02	<.03	<7	<.06	<.04	E.02	<.07
Q 3659. 1	07-08-02	<.04	E.06	<.1	E.02	<.03	<7	<.06	<.04	<.05	<.07
Q 3660. 1	06-26-02	.20	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3661. 1	06-25-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3805. 1	06-26-02	E.04	.15	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3808. 1	07-22-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3811. 1	07-23-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
Q 3813. 1	07-09-02	<.04	<.04	<.1	E.01	<.03	<7	<.06	<.04	<.05	<.07
Q 3814. 1	07-15-02	<.04	<.04	<.1	<.03	<.03	<7	<.06	<.04	<.05	<.07
CONSELYEAS POND	06-27-02	<.04	<.04	<.1	E.05	E.01	<7	<.06	<.04	<.05	<.07
TRIB.	07-11-02	--	--	--	--	--	--	--	--	<2	--
SPRING CREEK	07-17-02	E.05	<.08	<.3	<.06	<.06	<14	<.11	<.09	<.10	E.10

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

	Local identifier	Date	CARBON TETRACHLORIDE TOTAL (UG/L) (32102)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	BROMODICHLOROMETHANE TOTAL (UG/L) (32101)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	DI-ISOPROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE, 1112-TETRACHLORO-WAT UNF REC (UG/L) (77562)	ETHYLBENZENE TOTAL (UG/L) (34371)
						KINGS COUNTY						
K	1678. 1	08-01-02	E.07	<.03	<.2	.67	E.04	<.05	E.73	<.10	<.03	E.01
K	2412. 1	07-17-02	<.06	<.03	<.2	E.03	<.04	<.05	<.18	<.10	<.03	<.03
K	2511. 1	08-05-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
K	3216. 1	07-29-02	E.16	<.03	<.2	E2.36	E6.40	<.05	E2.89	<.10	<.03	E.01
		09-05-02	--	--	--	--	--	--	--	--	--	--
K	3218. 1	07-29-02	E.07	<.03	<.2	E3.76	<.04	<.05	<.18	<.10	<.03	E.01
		09-05-02	--	--	--	--	--	--	--	--	--	--
K	3242. 1	08-01-02	<.06	<.03	<.2	2.52	<.04	.22	<.18	<.10	<.03	<.03
K	3257. 2	07-24-02	E.07	<.03	<.2	1.80	E.07	<.05	<.18	<.10	<.03	<.03
K	3267. 1	07-17-02	<.06	<.03	.3	15.0	<.04	2.06	<.18	<.10	<.03	<.03
FRESH CREEK		07-17-02	<.12	E.06	<.4	E.05	.84	<.10	<.36	<.20	<.06	<.06
						NASSAU COUNTY						
N	2597. 1	07-29-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
N	10620. 1	07-16-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
N	11573. 1	07-31-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
						QUEENS COUNTY						
Q	305. 1	08-08-02	E.10	E.05	<.2	.42	1.08	<.05	E.53	<.10	<.03	<.03
Q	310. 1	08-07-02	<.06	<.03	<.2	1.11	<.04	<.05	E.46	<.10	<.03	<.03
Q	323. 1	08-06-02	.39	<.03	<.2	.11	<.04	<.05	E.05	<.10	<.03	<.03
Q	1249. 2	07-09-02	<.06	<.03	<.2	E.06	<.04	<.05	<.18	<.10	<.03	<.03
Q	1663. 1	07-22-02	9.20	<.03	<.2	1.14	2.03	<.05	E.65	<.10	E.03	<.03
Q	1840. 1	08-15-02	<.06	<.03	<.2	.50	E.04	<.05	E.91	<.10	<.03	<.03
Q	1914. 1	08-05-02	<.06	<.03	<.2	.38	<.04	E.01	<.18	<.10	<.03	<.03
		08-05-02	--	--	--	--	--	--	--	--	--	--
Q	1930. 1	07-18-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	1957. 1	08-08-02	.13	<.03	<.2	.30	.22	<.05	E2.61	<.10	<.03	<.03
Q	1958. 1	08-07-02	<.06	<.03	<.2	<.02	<.04	<.05	E1.94	E.05	<.03	<.03
Q	2026. 1	08-14-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	2188. 1	08-08-02	.10	<.03	<.2	.46	E.04	<.05	E2.25	<.10	<.03	<.03
Q	2289. 1	07-16-02	.39	<.03	<.2	.77	<.04	E.05	<.18	<.10	<.03	<.03
Q	2332. 1	08-15-02	<.06	<.03	<.2	<.02	E.07	<.05	<.18	<.10	<.03	<.03
Q	2374. 1	08-13-02	<.06	<.03	<.2	.15	.30	<.05	E.67	<.10	<.03	<.03
Q	2384. 1	07-16-02	E.03	<.03	<.2	.46	<.04	E.02	<.18	<.10	<.03	<.03
Q	2409. 1	08-13-02	E.02	<.03	<.2	.23	E.01	<.05	E.33	<.10	<.03	<.03
Q	2422. 1	07-12-02	--	--	--	--	--	--	--	--	--	--
Q	2656. 1	07-15-02	<.06	<.03	<.2	4.57	<.04	E.05	<.18	<.10	<.03	<.03
Q	2994. 1	06-27-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	2995. 1	06-27-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	3029. 1	08-14-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	3119. 1	08-21-02	<.06	<.03	<.2	E.04	<.04	<.05	<.18	<.10	<.03	<.03
Q	3134. 1	07-25-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	3163. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q	3165. 1	07-02-02	<.06	<.03	<.2	3.48	<.04	<.05	E.15	<.10	<.03	<.03
Q	3648. 1	07-05-02	.56	<.03	<.2	.24	<.04	<.05	<.18	<.10	<.03	<.03
Q	3650. 1	07-19-02	<.06	<.03	<.2	E.09	1.19	<.05	E29.7	<.10	<.03	<.03
Q	3651. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q	3652. 1	07-23-02	.11	<.03	<.2	.75	<.04	<.05	<.18	<.10	<.03	<.03
Q	3658. 1	07-08-02	<.06	<.03	<.2	.30	<.04	<.05	<.18	<.10	<.03	<.03
Q	3659. 1	07-08-02	E.03	<.03	<.2	E.05	<.04	<.05	<.18	<.10	<.03	<.03
Q	3660. 1	06-26-02	<.06	<.03	<.2	E.04	<.04	<.05	E.04	<.10	<.03	<.03
Q	3661. 1	06-25-02	<.06	<.03	<.2	<.02	<.04	<.05	<.18	<.10	<.03	<.03
Q	3805. 1	06-26-02	<.06	<.03	<.2	.59	E.07	<.05	<.18	<.10	<.03	<.03
Q	3808. 1	07-22-02	<.06	<.03	<.2	.20	<.04	<.05	<.18	<.10	<.03	<.03
Q	3811. 1	07-23-02	<.06	<.03	<.2	.52	E.02	<.05	E.06	<.10	<.03	<.03
Q	3813. 1	07-09-02	<.06	<.03	<.2	4.25	<.04	<.05	<.18	<.10	<.03	<.03
Q	3814. 1	07-15-02	<.06	<.03	<.2	1.89	.24	E.02	<.18	<.10	<.03	<.03
CONSELYEAS POND TRIB.		06-27-02	<.06	<.03	<.2	<.02	E.08	<.05	<.18	<.10	<.03	<.03
		07-11-02	--	--	--	--	--	--	--	--	--	--
SPRING CREEK		07-17-02	<.12	E.09	<.4	<.05	E.06	<.10	<.36	<.20	<.06	<.06

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLORIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TOLUENE TOTAL (UG/L) (34010)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)
					KINGS COUNTY						
K 1678. 1	08-01-02	<.06	.4	<.2	E.04	E.02	<.04	<.03	E.04	<.04	<.09
K 2412. 1	07-17-02	<.06	E.1	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
K 2511. 1	08-05-02	<.06	.2	<.2	<.06	<.07	<.04	<.03	E.03	<.04	<.09
K 3216. 1	07-29-02	<.06	E.4	<.2	E.05	E.01	<.04	E145	E.13	E2.29	<.09
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3218. 1	07-29-02	<.06	E.2	<.2	E.07	E.04	<.04	E.05	E.06	E.04	<.09
	09-05-02	--	--	--	--	--	--	--	--	--	--
K 3242. 1	08-01-02	<.06	.2	E.1	<.06	<.07	<.04	E.02	E.02	E.01	<.09
K 3257. 2	07-24-02	<.06	.5	<.2	<.06	<.07	<.04	1.64	<.05	E.08	<.09
K 3267. 1	07-17-02	<.06	E.1	<.2	<.06	<.07	<.04	<.03	E.03	<.04	<.09
FRESH CREEK	07-17-02	<.12	1.0	<.3	<.12	<.14	<.08	<.05	E.04	E.15	<.18
					NASSAU COUNTY						
N 2597. 1	07-29-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	E.02	<.04	<.09
N 10620. 1	07-16-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
N 11573. 1	07-31-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
					QUEENS COUNTY						
Q 305. 1	08-08-02	<.06	.8	<.2	<.06	<.07	<.04	38.0	<.05	4.64	<.09
Q 310. 1	08-07-02	<.06	.4	<.2	<.06	<.07	<.04	1.03	<.05	<.04	<.09
Q 323. 1	08-06-02	<.06	E.1	<.2	<.06	<.07	<.04	1.11	E.02	<.04	<.09
Q 1249. 2	07-09-02	<.06	.6	<.2	<.06	<.07	<.04	.67	E.01	.29	<.09
Q 1663. 1	07-22-02	<.06	<.2	<.2	<.06	<.07	<.04	805	E.04	10.2	.58
Q 1840. 1	08-15-02	<.06	.6	<.2	<.06	<.07	<.04	3.94	E.01	E.04	<.09
Q 1914. 1	08-05-02	<.06	E.1	<.2	<.06	<.07	<.04	.25	E.02	E.02	<.09
	08-05-02	--	--	--	--	--	--	--	--	--	--
Q 1930. 1	07-18-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 1957. 1	08-08-02	<.06	1.1	<.2	<.06	<.07	<.04	21.4	<.05	1.17	<.09
Q 1958. 1	08-07-02	<.06	E.1	<.2	<.06	<.07	<.04	.73	<.05	E.02	<.09
Q 2026. 1	08-14-02	<.06	M	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 2188. 1	08-08-02	<.06	.8	<.2	<.06	<.07	<.04	3.80	E.01	E.08	<.09
Q 2289. 1	07-16-02	<.06	E.1	<.2	<.06	<.07	<.04	<.03	E.01	E.06	<.09
Q 2332. 1	08-15-02	<.06	<.2	<.2	<.06	<.07	<.04	.92	E.02	1.15	<.09
Q 2374. 1	08-13-02	<.06	E.1	<.2	<.06	<.07	<.04	11.0	<.05	.64	<.09
Q 2384. 1	07-16-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 2409. 1	08-13-02	<.06	1.3	<.2	<.06	<.07	<.04	8.24	<.05	.17	<.09
Q 2422. 1	07-12-02	--	--	--	--	--	--	--	--	--	--
Q 2656. 1	07-15-02	<.06	.4	<.2	<.06	<.07	<.04	<.03	E.02	<.04	E.09
Q 2994. 1	06-27-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 2995. 1	06-27-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 3029. 1	08-14-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 3119. 1	08-21-02	<.06	<.2	<.2	<.06	<.07	<.04	.24	<.05	<.04	<.09
Q 3134. 1	07-25-02	<.06	M	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 3163. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q 3165. 1	07-02-02	<.06	.3	<.2	<.06	<.07	<.04	2.17	<.05	.41	<.09
Q 3648. 1	07-05-02	<.06	.4	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 3650. 1	07-19-02	<.06	<.2	<.2	<.06	<.07	<.04	12.7	1.16	9.26	<.09
Q 3651. 1	07-10-02	--	--	--	--	--	--	--	--	--	--
Q 3652. 1	07-23-02	<.06	.3	<.2	<.06	<.07	<.04	.31	<.05	<.04	<.09
Q 3658. 1	07-08-02	<.06	E.1	<.2	<.06	<.07	<.04	E.06	<.05	E.02	E.08
Q 3659. 1	07-08-02	<.06	<.2	<.2	<.06	<.07	<.04	5.29	E.01	E.03	<.09
Q 3660. 1	06-26-02	<.06	<.2	<.2	<.06	<.07	<.04	.22	<.05	<.04	.13
Q 3661. 1	06-25-02	<.06	<.2	<.2	<.06	<.07	<.04	<.03	E.01	<.04	<.09
Q 3805. 1	06-26-02	1.53	E.1	<.2	<.06	<.07	<.04	4.65	E.01	30.4	<.09
Q 3808. 1	07-22-02	<.06	3.2	<.2	<.06	<.07	<.04	<.03	<.05	<.04	<.09
Q 3811. 1	07-23-02	<.06	.4	<.2	<.06	<.07	<.04	E.07	E.01	<.04	<.09
Q 3813. 1	07-09-02	<.06	1.1	<.2	<.06	<.07	<.04	.59	E.02	E.05	<.09
Q 3814. 1	07-15-02	<.06	2.4	<.2	<.06	<.07	<.04	3.51	E.03	.19	<.09
CONSELYEAS POND	06-27-02	<.06	.3	<.2	<.06	<.07	E.09	E.07	.11	.11	<.09
TRIB.	07-11-02	--	--	--	--	--	--	--	--	--	--
SPRING CREEK	07-17-02	<.12	.9	<.3	<.12	<.14	<.08	E.10	E.02	<.08	<.18

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	VINYL CHLORIDE TOTAL (UG/L) (39175)
KINGS COUNTY		
K 1678. 1	08-01-02	<.1
K 2412. 1	07-17-02	<.1
K 2511. 1	08-05-02	<.1
K 3216. 1	07-29-02	<.1
	09-05-02	--
K 3218. 1	07-29-02	<.1
	09-05-02	--
K 3242. 1	08-01-02	<.1
K 3257. 2	07-24-02	<.1
K 3267. 1	07-17-02	<.1
FRESH CREEK	07-17-02	<.2
NASSAU COUNTY		
N 2597. 1	07-29-02	<.1
N 10620. 1	07-16-02	<.1
N 11573. 1	07-31-02	<.1
QUEENS COUNTY		
Q 305. 1	08-08-02	<.1
Q 310. 1	08-07-02	<.1
Q 323. 1	08-06-02	<.1
Q 1249. 2	07-09-02	<.1
Q 1663. 1	07-22-02	<.1
Q 1840. 1	08-15-02	<.1
Q 1914. 1	08-05-02	<.1
	08-05-02	--
Q 1930. 1	07-18-02	<.1
Q 1957. 1	08-08-02	<.1
Q 1958. 1	08-07-02	<.1
Q 2026. 1	08-14-02	<.1
Q 2188. 1	08-08-02	<.1
Q 2289. 1	07-16-02	<.1
Q 2332. 1	08-15-02	<.1
Q 2374. 1	08-13-02	<.1
Q 2384. 1	07-16-02	<.1
Q 2409. 1	08-13-02	<.1
Q 2422. 1	07-12-02	--
Q 2656. 1	07-15-02	<.1
Q 2994. 1	06-27-02	<.1
Q 2995. 1	06-27-02	<.1
Q 3029. 1	08-14-02	<.1
Q 3119. 1	08-21-02	<.1
Q 3134. 1	07-25-02	<.1
Q 3163. 1	07-10-02	--
Q 3165. 1	07-02-02	<.1
Q 3648. 1	07-05-02	<.1
Q 3650. 1	07-19-02	.3
Q 3651. 1	07-10-02	--
Q 3652. 1	07-23-02	<.1
Q 3658. 1	07-08-02	<.1
Q 3659. 1	07-08-02	<.1
Q 3660. 1	06-26-02	<.1
Q 3661. 1	06-25-02	<.1
Q 3805. 1	06-26-02	<.1
Q 3808. 1	07-22-02	<.1
Q 3811. 1	07-23-02	<.1
Q 3813. 1	07-09-02	<.1
Q 3814. 1	07-15-02	<.1
CONSELYEAS	06-27-02	<.1
TRIB.	07-11-02	--
SPRING CREEK	07-17-02	<.2

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
  M -- Presence verified, not quantified

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Suffolk County - Arsenic in Ground-Water Study

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
SUFFOLK COUNTY										
S 19399. 1	08-06-02	1030	40 49 21 N	073 12 24 W	26	<20	<2	37.8	<.5	<8
S 76304	07-24-02	1030	41 04 07 N	071 52 35 W	61	<20	11	137	<.5	<8
S 76305	07-24-02	1100	41 04 07 N	071 52 35 W	47	<20	7	82.6	<.5	<8
S112317. 1	08-09-02	1300	41 02 22 N	072 31 00 W	14	<20	<2	45.2	<.5	<8
E. Lake Dr., Montauk	08-19-02	1030	41 03 08 N	071 54 21 W	43	<20	<2	13.8	<.5	<8
T. Roosevelt C. P., Montau	08-19-02	1230	41 03 20 N	071 53 59 W	30	<20	<2	12.4	<.5	<8
Haven's Beach, Sag Harbor	07-23-02	1000	41 00 01 N	072 17 04 W	16	<20	<2	7.4	<.5	<8
Orient Yacht Club	06-19-02	1420	41 08 11 N	072 18 22 W	23	40	<4	42.8	<.5	<8
Schoolhouse Rd., Cutch	06-19-02	1300	41 00 49 N	072 29 14 W	13	<20	<4	80.0	<.5	<8
Strong Rd., E. Patchogu	07-11-02	1300	40 45 51 N	072 58 31 W	26	<20	<2	21.3	<.5	<8
Smith St., Nissequogue	07-09-02	0900	40 53 59 N	073 11 11 W	97	<20	<2	13.4	<.5	<8
East Beach Rd. No.1 Southa	07-23-02	1300	40 52 54 N	072 25 25 W	12	<20	<2	5.5	<.5	<8
East Beach Rd. No.2 Southa	07-31-02	1200	40 52 39 N	072 25 56 W	2	<20	<2	11.2	<.5	<8
Alvah's La., Cutchogu	07-18-02	1200	41 00 49 N	072 30 08 W	9	<20	<2	40.2	<.5	<8
Main St., New Suffol	07-18-02	0930	40 59 30 N	072 28 24 W	48	<20	<2	72.7	<.5	<8
Southold Landfill	07-25-02	1130	41 01 43 N	072 29 51 W	18	<20	<2	52.6	<.5	<8
Strawberry La., Brookha	07-11-02	1130	40 48 11 N	072 54 15 W	21	<20	<2	22.9	<.5	<8
Strawberry La., Brookha	07-11-02	1200	40 48 10 N	072 54 15 W	18	<20	<2	5.3	<.5	<8
Wainscott Stone Rd., Wa	07-31-02	1030	40 56 52 N	072 14 25 W	17	<20	<2	65.2	<.5	<8

Local identifier	Date	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
SUFFOLK COUNTY											
S 19399. 1	08-06-02	15.5	42.2	E.5	<13	6.8	<.10	<10	M	<4	4.22
S 76304	07-24-02	24.3	110	<.8	<13	E.7	.20	2240	<1	<4	6.95
S 76305	07-24-02	12.9	55.8	<.8	<13	E.6	.19	4720	<1	<4	4.79
S112317. 1	08-09-02	74.7	43.8	<.8	<13	13.8	<.10	35	M	<4	15.4
E. Lake Dr., Mo	08-19-02	10.2	26.2	E.6	<13	E.9	.22	273	<1	<4	5.57
T. Roosevelt C. P.	08-19-02	8.46	39.8	E.8	<13	37.0	.12	26	<1	E2	5.83
Haven's Beach, Sag	07-23-02	4.01	10.3	<.8	<13	17.5	<.10	147	<1	<4	2.21
Orient Yacht Club	06-19-02	11.2	28.1	<.8	<13	118	<.10	29	M	<4	4.15
Schoolhouse Rd	06-19-02	51.3	20.1	<.8	<13	332	<.10	166	7	<4	9.43
Strong Rd., E.	07-11-02	11.3	42.3	<.8	<13	75.5	<.10	33	1	<4	3.98
Smith St., Nisse	07-09-02	25.6	12.6	1.7	<13	11.4	.11	<10	<1	<4	13.3
East Beach Rd. No.	07-23-02	5.36	24.8	<.8	<13	443	<.10	60	2	<4	1.81
East Beach Rd. No.	07-31-02	2.93	16.6	<.8	<13	231	<.10	2000	4	<4	2.13
Alvah's La.,	07-18-02	18.8	8.22	<.8	<13	155	<.10	47	6	<4	2.87
Main St., Ne	07-18-02	41.0	72.0	<.8	<13	85.7	<.10	97	3	<4	6.64
Southold Landfill	07-25-02	22.3	50.5	<.8	<13	118	<.10	58	<5	<4	15.1
Strawberry La.,	07-11-02	10.8	28.3	<.8	<13	225	<.10	99	<1	<4	5.40
Strawberry La.,	07-11-02	4.67	6.05	1.6	<13	42.4	<.10	<10	<1	<4	2.68
Wainscott Stone	07-31-02	6.51	18.6	<.8	<13	325	<.10	<10	6	<4	1.97

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Suffolk County - Arsenic in Ground-Water Study

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SILVER, DISSOLVED (UG/L AS AG) (01075)
					SUFFOLK COUNTY						
S 19399. 1	08-06-02	32.6	<.01	<50	<2.0	6.1	2.15	163	<2	10.7	<.1
S 76304	07-24-02	1420	<.01	<50	<2.0	7.1	3.46	281	<2	20.9	<.1
S 76305	07-24-02	585	<.01	<50	<2.0	6.7	2.42	181	<2	22.6	<.1
S112317. 1	08-09-02	E2.3	<.01	<50	E1.5	6.2	5.38	437	<2	12.4	<.1
E. Lake Dr., Mo	08-19-02	7.9	<.01	<50	<2.0	6.8	1.50	127	<2	23.1	<.1
T. Roosevelt C. P.	08-19-02	7.6	<.01	<50	<2.0	6.5	1.59	136	<2	20.8	<.1
Haven's Beach, Sag	07-23-02	26.2	<.01	<50	<2.0	6.5	.85	69	<2	14.7	<.1
Orient Yacht Club	06-19-02	52.0	<.01	<50	3.8	6.1	4.39	141	<4	11.0	<.1
Schoolhouse Rd	06-19-02	60.5	<.01	<50	E1.7	6.1	2.29	300	<4	9.75	<.1
Strong Rd., E.	07-11-02	453	<.01	<50	<2.0	6.2	8.12	139	<2	12.4	<.1
Smith St., Nisse	07-09-02	E1.4	<.01	<50	<2.0	8.0	1.49	171	<2	17.4	<.1
East Beach Rd. No.	07-23-02	E3.1	<.01	<50	2.0	6.2	.57	86	<2	5.62	<.1
East Beach Rd. No.	07-31-02	89.5	<.01	<50	4.8	5.6	1.02	61	<2	8.93	<.1
Alvah's La.,	07-18-02	10.1	<.01	<50	<2.0	5.8	2.77	115	<2	12.0	<.1
Main St., Ne	07-18-02	229	<.01	<50	2.4	6.0	12.0	377	<2	11.1	<.1
Southold Landfill	07-25-02	11.7	E.01	<50	<10.0	5.8	1.70	245	<2	15.7	<.6
Strawberry La.,	07-11-02	3.3	<.01	<50	<2.0	6.7	.63	101	<2	17.3	<.1
Strawberry La.,	07-11-02	<2.0	<.01	<50	<2.0	6.9	.47	55	<2	17.5	<.1
Wainscott Stone	07-31-02	166	<.01	<50	<2.0	6.3	1.47	78	<2	9.27	<.1

Local identifier	Date	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
				SUFFOLK COUNTY				
S 19399. 1	08-06-02	27.7	269	108	17.2	1.4	<8	<24
S 76304	07-24-02	62.5	498	125	12.4	16	<8	<24
S 76305	07-24-02	36.6	296	72.0	9.8	47	<8	29
S112317. 1	08-09-02	14.7	583	218	140	--	<8	<24
E. Lake Dr., Mo	08-19-02	17.4	196	54.4	10.3	2.9	<8	134
T. Roosevelt C. P.	08-19-02	22.3	223	52.7	10.4	2.8	<8	40
Haven's Beach, Sag	07-23-02	8.93	95	26.7	9.2	4.0	<8	469
Orient Yacht Club	06-19-02	22.2	241	63.9	17.6	1.1	<8	40
Schoolhouse Rd	06-19-02	8.21	417	218	46.9	1.3	<8	77
Strong Rd., E.	07-11-02	19.2	231	97.3	8.7	2.3	<8	E21
Smith St., Nisse	07-09-02	10.3	288	51.2	15.6	1.3	<8	112
East Beach Rd. No.	07-23-02	17.2	151	31.6	9.6	1.6	<8	32
East Beach Rd. No.	07-31-02	9.87	102	42.9	13.6	20	<8	62
Alvah's La.,	07-18-02	6.41	179	90.8	36.6	2.2	<8	E17
Main St., Ne	07-18-02	57.2	582	218	50.0	2.7	<8	38
Southold Landfill	07-25-02	26.3	390	139	61.0	.9	<8	<24
Strawberry La.,	07-11-02	7.41	150	42.1	3.7	5.7	<8	1070
Strawberry La.,	07-11-02	4.70	76	15.1	4.9	1.6	<8	238
Wainscott Stone	07-31-02	11.5	135	37.7	7.7	2.9	<8	<24

Remark codes used in this table:
  < -- Less than
  E -- Estimated value
  M -- Presence verified, not quantified

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Manhasset Neck Peninsula Aquifer Study

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NASSAU COUNTY										
N 12232. 1	06-11-02	1335	40 50 10 N	073 41 50 W	14.3	603	2.5	6.5	E.03	<.05
N 12318. 1	06-14-02	1145	40 51 21 N	073 43 21 W	12.7	778	2.8	7.6	.05	<.05
N 12508. 1	06-12-02	1230	40 49 43 N	073 41 47 W	14.8	2700	--	5.8	<.04	.11
N 12522. 1	06-03-02	1200	40 49 43 N	073 39 26 W	14.2	26400	--	5.8	.08	1.02
N 12793. 1	06-13-02	1145	40 49 21 N	073 41 54 W	14.1	366	5.5	6.4	<.04	.16

Local identifier	Date	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)
NASSAU COUNTY				
N 12232. 1	06-11-02	<.02	138	596
N 12318. 1	06-14-02	.12	186	759
N 12508. 1	06-12-02	<.02	802	2680
N 12522. 1	06-03-02	.81	8830	23900
N 12793. 1	06-13-02	<.02	89.0	368

Remark codes used in this table:
< -- Less than
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ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
New York State Pesticide Monitoring Program

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

	Local identifier	Date	Time	Latitude	Longitude	DEPTH OF WELL, TOTAL (FEET) (72008)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)
					NASSAU COUNTY						
N	5155. 1	05-29-02	1100	40 42 38 N	073 42 03 W	90.	--	--	.014	E.006	--
		05-29-02	1110	40 42 38 N	073 42 03 W	90.	--	--	--	--	E.01
		09-03-02	0910	40 42 38 N	073 42 03 W	90.	5.9	233	.019	<.006	--
		09-03-02	0911	40 42 38 N	073 42 03 W	90.	5.9	233	.020	<.03	E.01

	Local identifier	Date	DIELDRIN DISSOLVED (UG/L) (39381)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
			NASSAU COUNTY	
N	5155. 1	05-29-02	.048	.047
		05-29-02	--	--
		09-03-02	.067	.028
		09-03-02	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Wastewater Compounds in Ground Water, Suffolk County

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Local identifier	Date	Time	Latitude	Longitude	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PROMETON, WATER, DISS, REC (UG/L) (04037)	BENZO-A-PYRENE DISSOLV (UG/L) (34248)	BROMOFORM DISSOLV (UG/L) (34288)
SUFFOLK COUNTY										
S 14792. 1	09-05-02	1050	40 54 54 N	073 02 56 W	11.4	190	6.2	<.5	<.5	<.5
S 15037. 1	08-29-02	1000	40 46 39 N	072 58 56 W	12.7	197	5.9	<.5	<.5	<.5
S 20705. 1	08-29-02	1050	40 46 39 N	072 58 57 W	13.0	260	5.9	<.5	<.5	<.5
S 23828. 1	08-29-02	1200	40 52 44 N	072 58 50 W	12.8	246	5.5	<.5	<.5	<.5
S 32180. 1	09-05-02	1145	40 55 11 N	073 01 07 W	10.9	116	6.0	<.5	<.5	<.5
S 32325. 1	09-05-02	1007	40 53 57 N	073 02 10 W	10.5	85	7.3	<.5	<.5	<.5
S 32326. 1	09-05-02	0953	40 53 57 N	073 02 11 W	11.8	197	5.3	E.2	<.5	M
S 53291. 1	09-05-02	0922	40 50 02 N	073 02 26 W	11.3	266	6.5	<.5	E.2	<.5
S 66881. 1	09-05-02	0906	40 50 02 N	073 02 26 W	10.6	183	6.4	<.5	<.5	<.5

Local identifier	Date	TETRACHLOROETHYLENE DISSOLV (UG/L) (34476)	1,4-DICHLOROBENZENE DISSOLV (UG/L) (34572)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRIPHNL PHOSPHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE—PHOSPHATE, WATER, FLTERD (UG/L) (62093)
SUFFOLK COUNTY							
S 14792. 1	09-05-02	E.1	<.5	<.5	<.5	E.1	<.5
S 15037. 1	08-29-02	<.5	E.1	<.5	<.5	<.5	<.5
S 20705. 1	08-29-02	E.1	<.5	M	<.5	<.5	<.5
S 23828. 1	08-29-02	E.2	<.5	<.5	<.5	<.5	<.5
S 32180. 1	09-05-02	<.5	<.5	<.5	<.5	<.5	<.5
S 32325. 1	09-05-02	<.5	<.5	<.5	<.5	<.5	<.5
S 32326. 1	09-05-02	<.5	<.5	M	M	<.5	<.5
S 53291. 1	09-05-02	E.2	<.5	M	<.5	<.5	E.1
S 66881. 1	09-05-02	<.5	<.5	<.5	<.5	<.5	<.5

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