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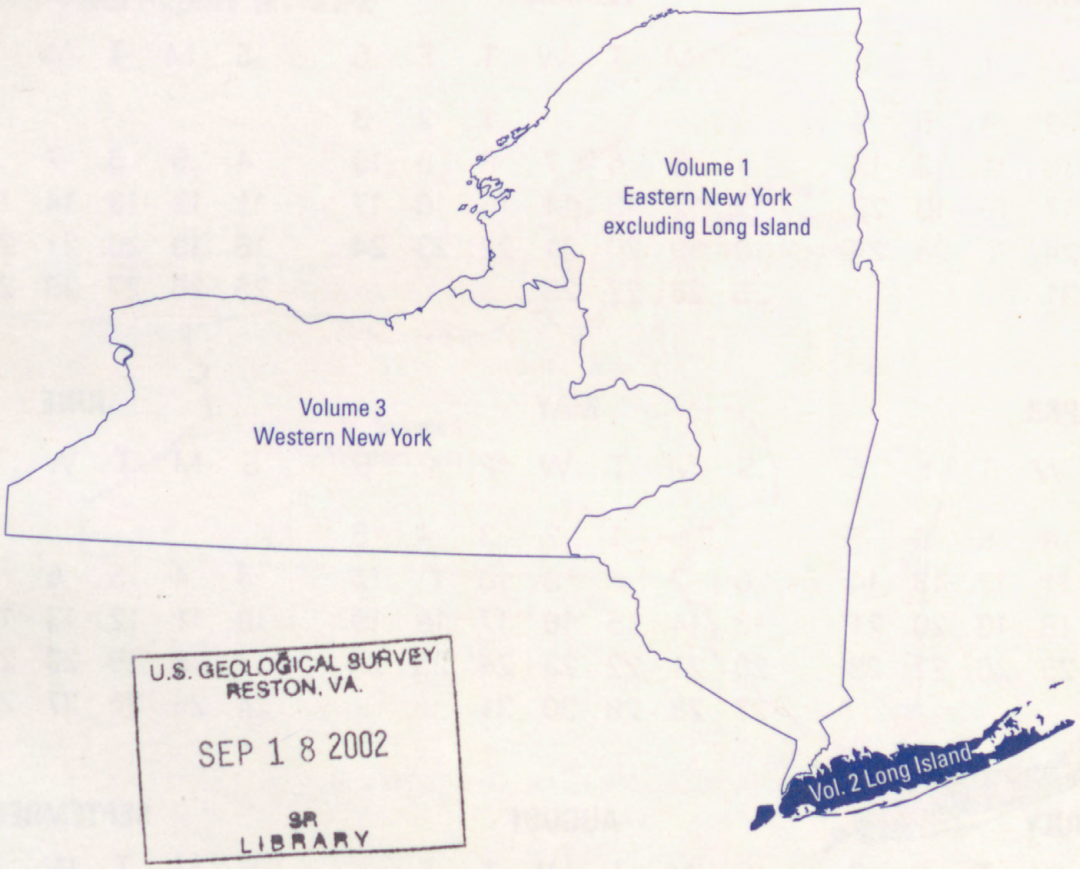
Water Resources Data New York Water Year 2001

Volume 2. Long Island

Water-Data Report NY-01-2



U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with local agencies

CALENDAR FOR WATER YEAR 2001

2000

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2001

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30						

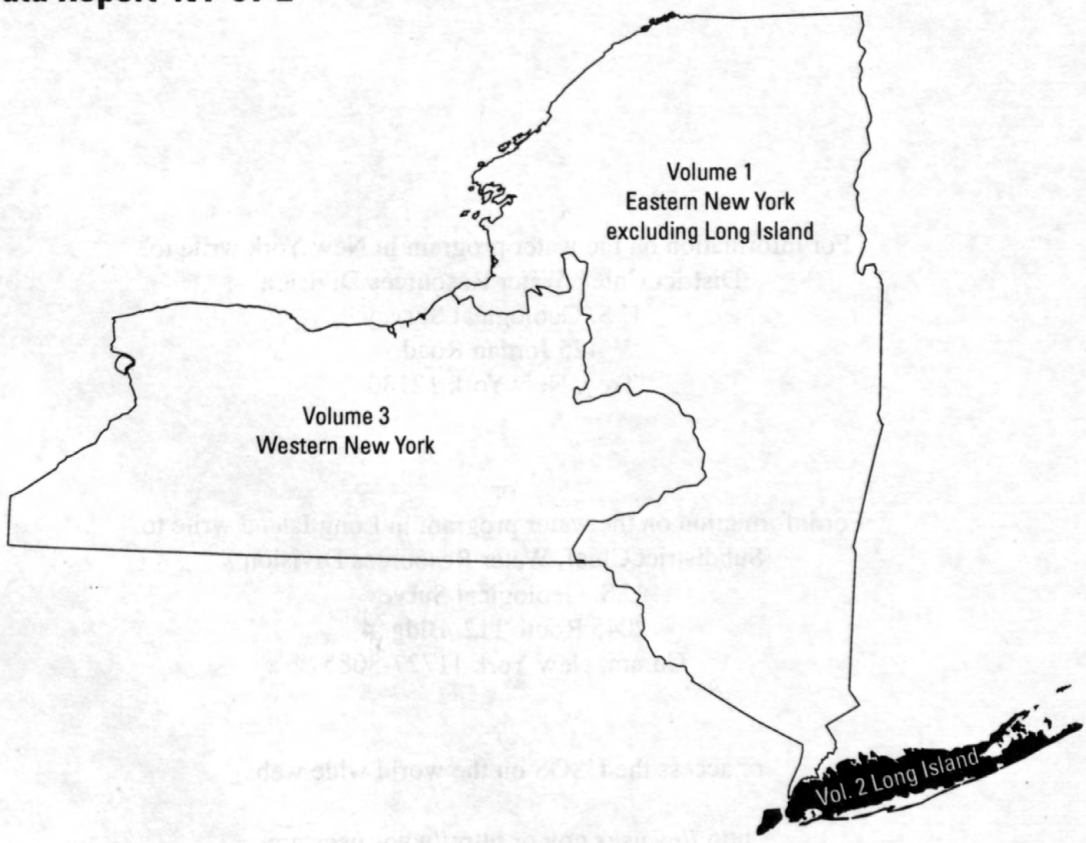
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data New York Water Year 2001

Volume 2. Long Island

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

Water-Data Report NY-01-2



In cooperation with local agencies

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Gale A. Norton, Secretary

U.S. Geological Survey
Charles G. Groat, Director

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U.S. Geological Survey
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Troy, New York 12180

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For information on the water program in Long Island write to
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2045 Route 112, Bldg. 4
Coram, New York 11727-3085

or access the USGS on the world wide web:

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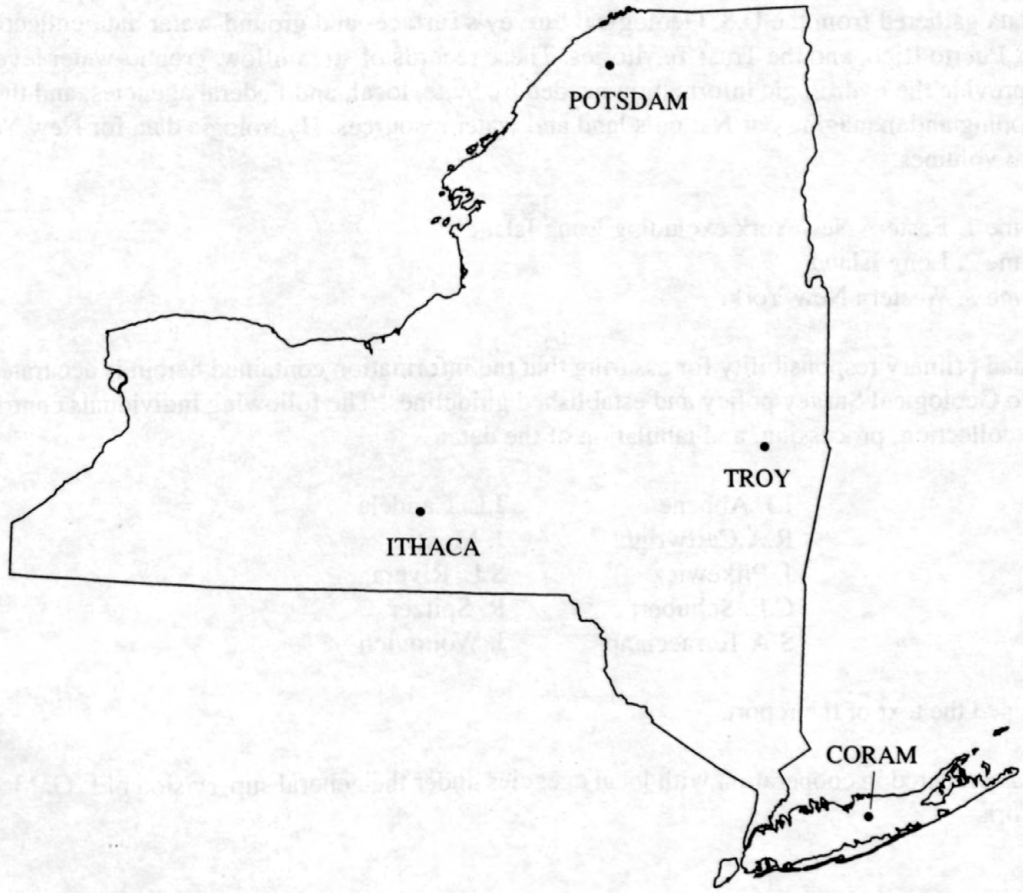
2002

NEW YORK DISTRICT

OFFICE LOCATIONS AND ADDRESSES



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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:

I.J. Abbene	J.L. Candela
R.A.Cartwright	J. Monti
J. Pitkewicz	S.L. Rivera
C.E. Schubert	R. Spitzer
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Jo-Ann Pitt typed the text of the report.

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

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Water resources data for the 2001 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; stage and water quality of estuaries; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 19 gaging stations; lake stage at 6 gaging stations; tide stage at 2 gaging stations; and water levels at 421 observation wells. Also include 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, Reservoirs, Chemical analysis, Sediments, Water temperature, Water analysis, Water levels, Water wells, Data collections, Sites

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TABLE

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 2001 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; stage and water quality of estuaries; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 19 gaging stations; lake stage at 6 gaging stations; tide stage at 2 gaging stations; and water levels at 421 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. 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-01-2." 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, Joel A. Miele, 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 Southampton, Department of Land Management, Jefferson V. Murphree, Town Planning and Development Administrator

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.
Village of Freeport, Richard E. Holdener, Director of Emergency Management

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow and ground-water levels on Long Island were near or slightly below normal at the beginning of the 2001 water year (October), but had risen to normal by March and April, then declined to below normal in August and September (figs. 1-4).

The maximum peak discharges for the 2001 water year occurred on several days in response to localized storms. Most of the maximum peaks in Suffolk County occurred on March 30, where as those in the northern parts of Queens and Nassau Counties occurred on August 13 and the southern parts of Queens, Nassau and Western Suffolk Counties occurred on June 17. Average runoff for the water year was about normal. The maximum monthly mean discharge for the 2001 water year at most stations occurred in March or April, and most minimum mean discharges occurred from July through September. Precipitation for the 2001 water year at Brookhaven National Laboratory was 49.50 in., 7.97 in. above normal.

The maximum water levels for the 2001 water year at the tide-stage gages on Hudson Bay at Freeport and Reynolds Channel at Point Lookout were recorded on March 7, during which Hudson Bay at Freeport (2 years of record) reached a new record high. Minimum water levels at both stations were recorded on February 11, during which Hudson Bay at Freeport and Reynolds Channel at Point Lookout (4 years of record) reached new record lows. Maximum monthly mean water levels for the 2001 water year at both stations occurred in September, and minimum monthly mean water levels occurred in December.

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 rose slowly until May or June, then declined for the remainder of the water year. Record-low water levels were measured in 22 wells in Kings and northern Suffolk Counties, and in scattered wells throughout parts of Queens, Nassau and eastern Suffolk Counties. Record-high water levels were measured in 16 wells in parts of Kings County, central and southern Queens County, and eastern Suffolk County.

Three synoptic ground-water samplings were conducted during the 2001 water year. The first was done under the New York State pesticide-monitoring program, in which two streams and 40 wells screened in the upper glacial aquifer of Nassau and Suffolk Counties, were sampled. Samples from wells with known pesticide contamination and from wells in areas where contamination was suspected were analyzed for 47 to123 pesticides by methods with detection limits ranging from 0.001 to 0.2 µg/L. The second sampling entailed analysis of water from six ponds in the towns of East Hampton and Southampton for 222 compounds, including nutrients, volatile organic compounds, and pesticides. Few pesticides and VOCs were detected at low concentrations. 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 49 wells representing three aquifers and three streams in Kings and Queens Counties. The samples were analyzed for 275 organic and inorganic constituents to assess ground-water quality for future potable water supply. Samples from Brooklyn and Queens had numerous detections of volatile organic compounds and semivolatile organic compounds. The most frequently detected contaminant was MTBE (78 percent).

Data collection during the 2001 water year as part of the South Shore Estuary Reserve study included discharge measurements and analyses of surface-water samples from five streams in southern Nassau County. The study, whose primary purpose is to measure nutrient loads to the estuary, entailed two rounds of sample collection and water-level measurements (during base flow conditions). Each sample was analyzed for 25 constituents, including nutrients and inorganic compounds.

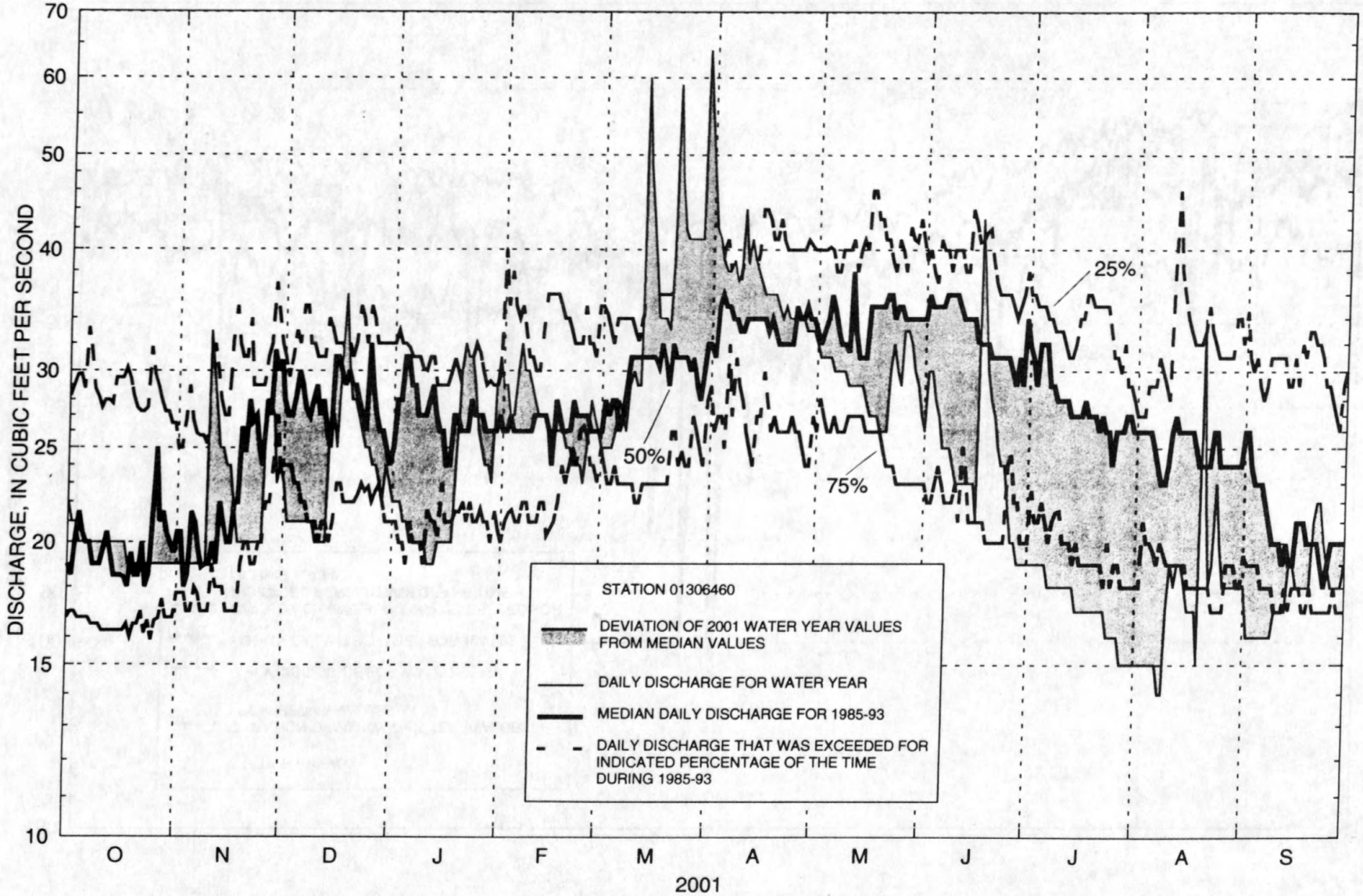


Figure 1.--Discharge data, Connectquot Brook near Central Islip, Water year 2001.

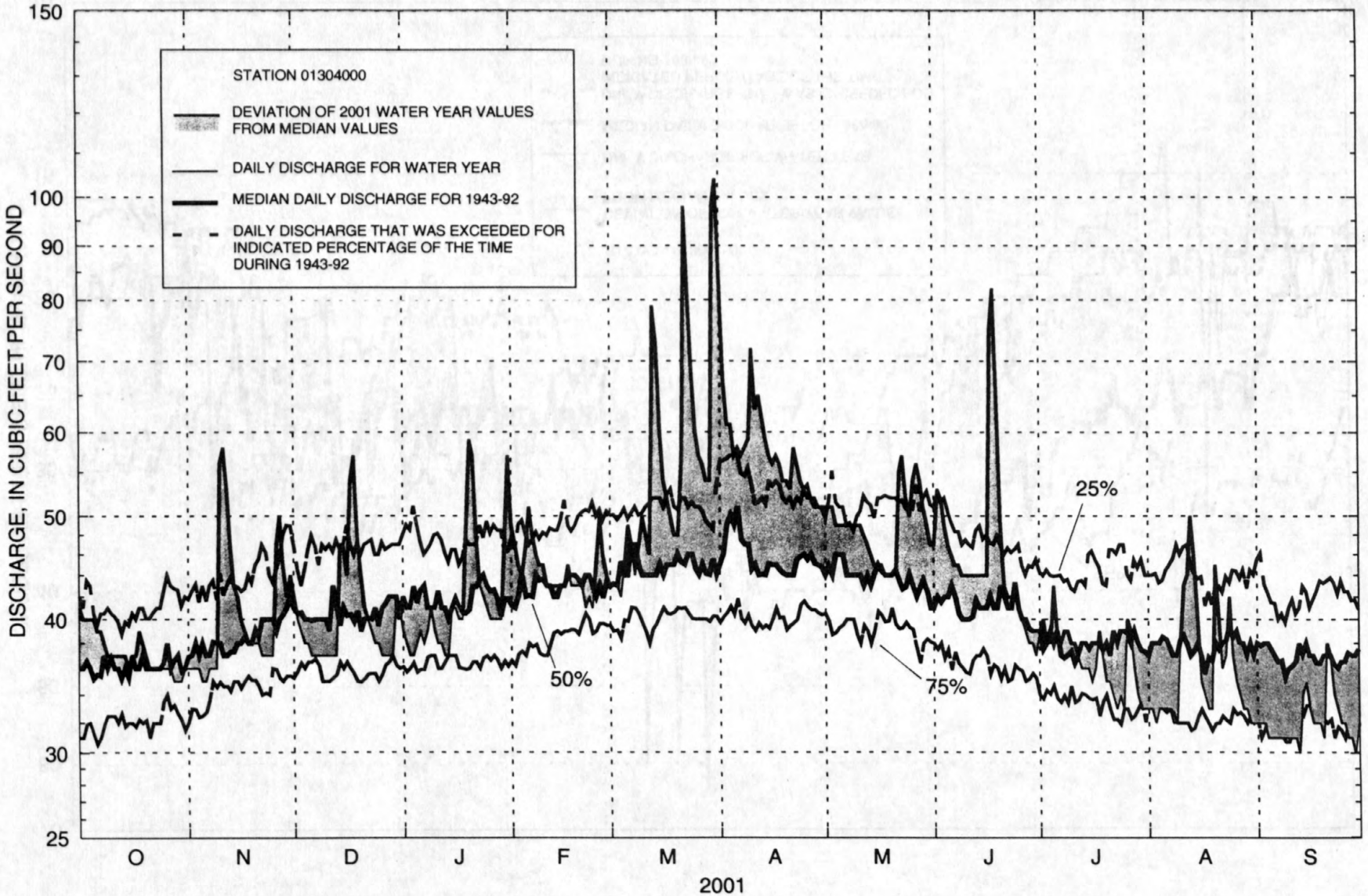


Figure 2.--Discharge data, Nissequogue River near Smithtown, Water year 2001

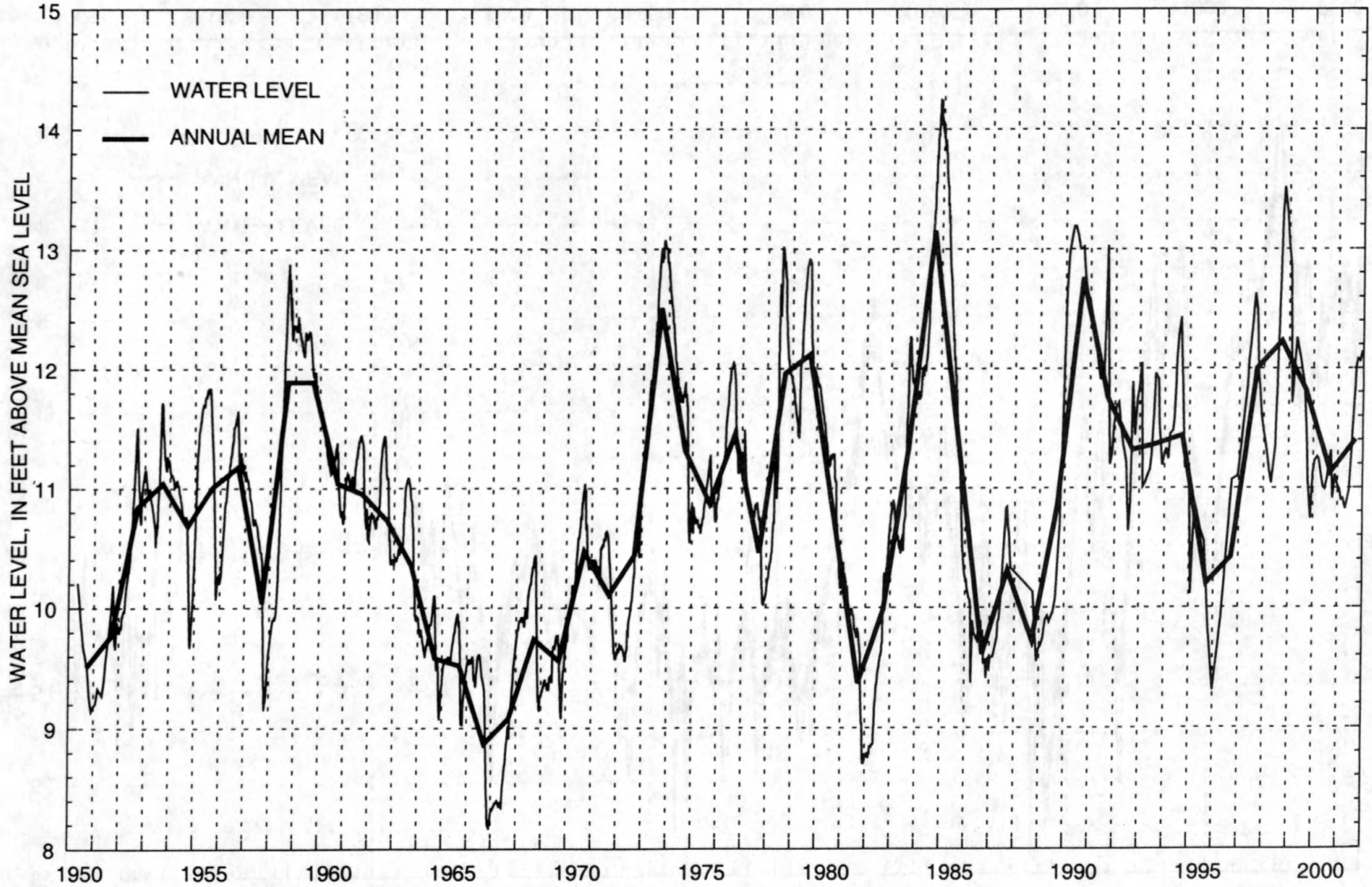


Figure 3.--Hydrograph of water-table observation well S4271 at Riverhead, N.Y., 1950-2001

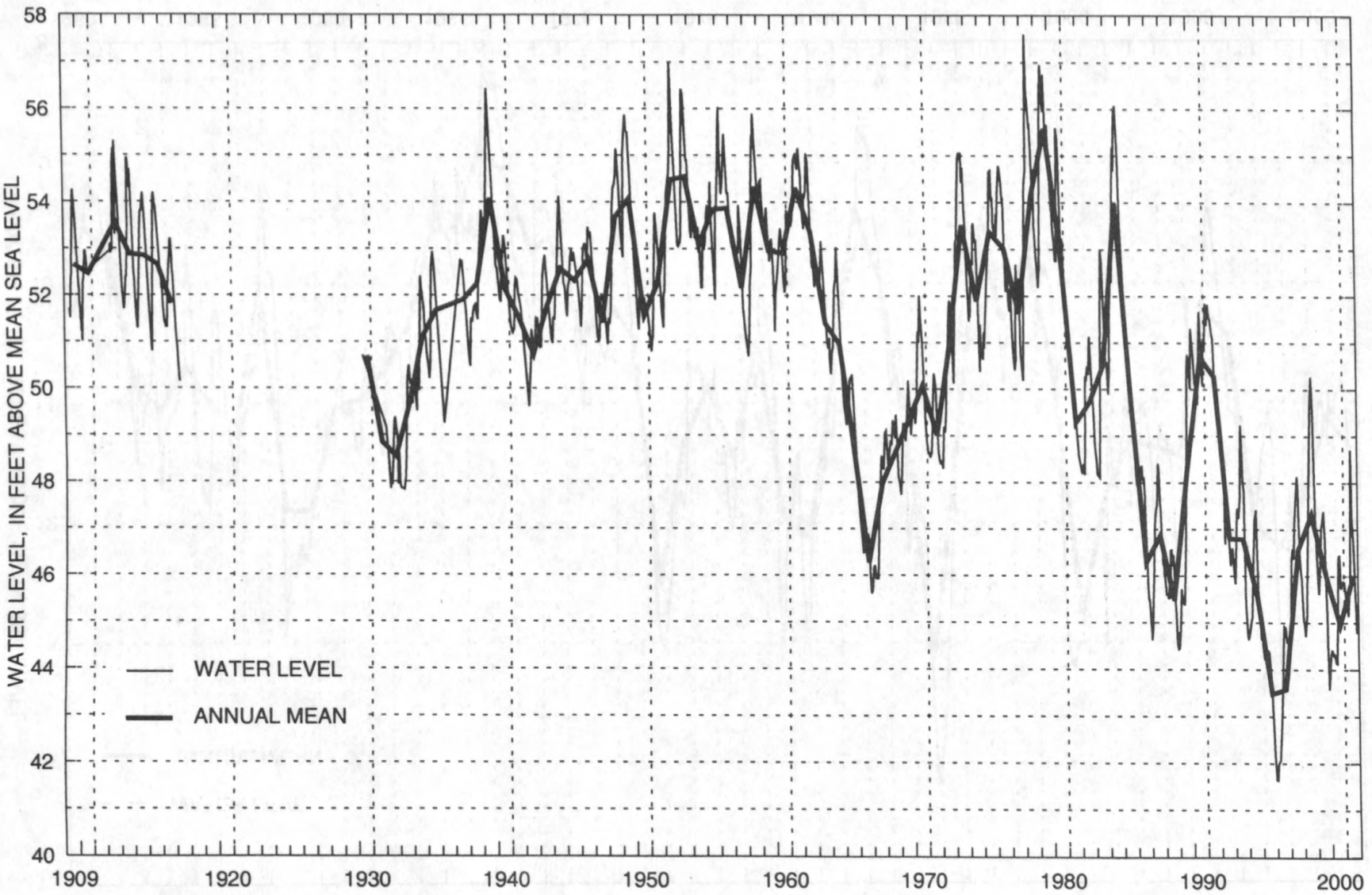


Figure 4.--Hydrograph of water-table observation well N1259 at Plainedge, N.Y., 1909-2001.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins—the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. 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.

The National Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives: (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NOx scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the World Wide Web at:

http://nadp.sws.uluc.edu/

The National Water-Quality Assessment Program (NAWQA) 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 53 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 is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

Radiochemical Programs is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2001 water year that began October 1, 2000, and ended September 30, 2001. 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.

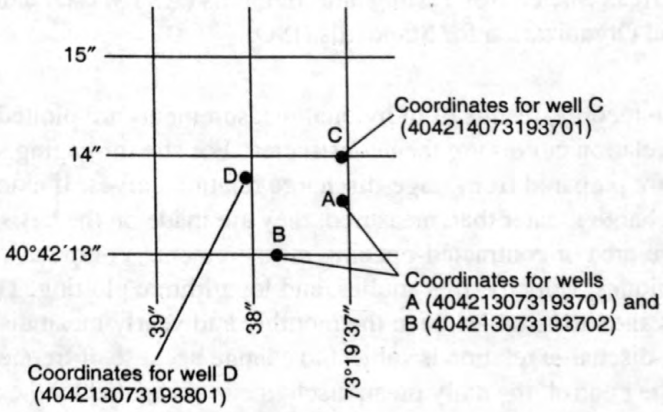


Figure 5. System for numbering wells (latitude and longitude).

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 local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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

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

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

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.)

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

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

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

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

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

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

10 PERCENT EXCEEDS.—The discharge that is exceeded 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.

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

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

Other Records Available

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

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

Records of Surface-Water Quality

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

Classification of Records

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

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

Arrangement of Records

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on the "Techniques of Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; Book 9, Chapter 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 (2000) 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 report:

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

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

Ayers, M.A., Kennen, J.G., and Stackelberg, P.E., 2000, Water quality in the Long Island- New Jersey coastal drainages, New York and New Jersey, 1996-98: U.S. Geological Survey Circular1201, 40 p.

Barlow, P.M., 2000, Ground-water resources for the future--Atlantic Coastal zone: U.S. Geological Survey Fact Sheet 085-00, 4 p.

Brown, C.J., Rakovan, John, and Schoonen, M.A.A., 2000, Heavy minerals and sedimentary organic matter in Pleistocene and Cretaceous sediments on Long Island, New York, with emphasis on pyrite and marcasite in the Magothy aquifer: U.S. Geological Survery Water-Resources Investigations Report 99-4216, 22 p.

Brown, C.J., Schoonen, M.A.A., and Candela, J.L., 2000, Geochemical modeling of iron, sulfur, oxygen and carbon in a coastal plain aquifer: Journal of Hydrology, v. 237, p. 147-168.

Burns, D.A., Lawrence, G.B., and Murdoch, P.S., 2000, Effects of acid deposition in North America--current status: Bulletin of the Ecological Society of America, v. 81, p. 145-146.

Burns, D.A., Murdoch, P.S., and Lawrence, G.B., 2000, Clean Air Act and acid precipitation receiving increased attention: EOS, v. 81, no. 13, March 28, 2000, p. 134.

Buxton, H.T., and Shernoff, P.K., 1999, Ground-water resources of Kings and Queens Counties, Long Island, New York: U.S. Geological Survey Water-Supply Paper 2498, 113 p., 7 pls.

[Mecray, E.L. and Buchholtz ten Brink, Marilyn], 1999, Contaminant distribution and accumulation of sediments of Long Island Sound--Initial results: U.S. Geological Survey Fact Sheet FS-113-99, 4 p.

Murdoch, P.S., Baron, J.S., and Miller, T.L., 2000, Potential effects of climate change on surface-water quality in North America: Journal of the American Water Resources Association, v. 36, no. 2, p. 347-366.

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. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English 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.

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 to 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 weight percent 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 taken. 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")

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

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 peaks per year will be published.

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 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bed-

load sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is 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" and "Sediment")

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 which 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")

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 on 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 $1/3\ \pi r^3 h$ cylinder $\pi r^3 h$.

pi 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 over all species.

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

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 warm-blooded 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 waters 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. (See also "Aquifer")

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

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 downstream from a gaging station that physically influences 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-feet" sometimes is used synonymously with "cubic feet 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 "Daily mean suspended-sediment concentration," "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 sediments 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 chemical constituents, 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:

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

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")

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded 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 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 warm-blooded 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. Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) value of a concentration 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 semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. 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 sediments.

Fecal coliform bacteria are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms 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 intestine of warm-blooded 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 larger 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 is often 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. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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.

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 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 is commonly 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 which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

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

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 benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic index stations referred to in this report are four 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")

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 non-detection 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 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 based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection 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.

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 are usually 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 synony-

mous 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 mg/L 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 (Timme, 1995).

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 U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. 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 sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

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

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic 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 to 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 determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

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. While 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 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, 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 are commonly 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.

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. 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 in unenriched waters. 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. 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 an element 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.

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 non-exceedance 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 non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. 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")

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 used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in 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. See conversion of units page (inside back cover) for identification of the datum used in this report.

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 influenced by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Seven-day 10-year low flow (7Q10) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of

the 7Q10 is 10 years; the chance that the annual 7-day minimum flow will be less than the 7Q10 is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

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.

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/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 waters, to evaluate mixing of different waters, 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 percent covered by fine sediment:

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

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 ft) of the bed material such as that material which 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 operationally defined 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, based on 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 ft 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/day) 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, based on 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 richness is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent Shading")

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

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

Temperature preferences:

Cold – preferred water temperature for the species is less than 20 °C or spawning temperature preference less than 16 °C and native distribution is considered to be predominantly north of 45° N. latitude.

Warm – preferred water temperatures for the species is greater than 20 °C or spawning temperature preference greater than 16 °C and native distribution is considered to be predominantly south of 45° N. latitude.

Cool – intermediate between cold and warm water temperature preferences.

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 warm-blooded 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 mL 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 "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

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")

Trophic group:

Filter feeder – diet composed of suspended plant and/or animal material.

Herbivore – diet composed predominantly of plant material.

Invertivore – diet composed predominantly of invertebrates.

Omnivore – diet composed of at least 25-percent plant and 25-percent animal material.

Piscivore – diet composed predominantly of fish.

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 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. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

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.

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 (U.S. Environmental Protection Agency, 1996).

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

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, 2001, is called the "2001 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 are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

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

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

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey." Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1-D1. *Water temperature—influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J.F. Ficke, and G. F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 p.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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

2-D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

Section E. Subsurface Geophysical Methods

2-E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.

2-E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.

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

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS–TWRI book 3. chap. A5. 1967. 29 p.

3-A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.

3-A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 p.

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.

3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 p.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 p.

3-A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 p.

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 p.

3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 p.

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 p.

3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.

3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 p.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

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.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.

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.

3-B6. *The principle of superposition and its application in ground-water hydraulics,* by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS–TWRI book 3, chap. B6. 1987. 28 p.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 p.

3-B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 p.

3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 p.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 p.

Book 4. Hydrologic Analysis and Interpretation

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.

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. A5,1996. 125 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.

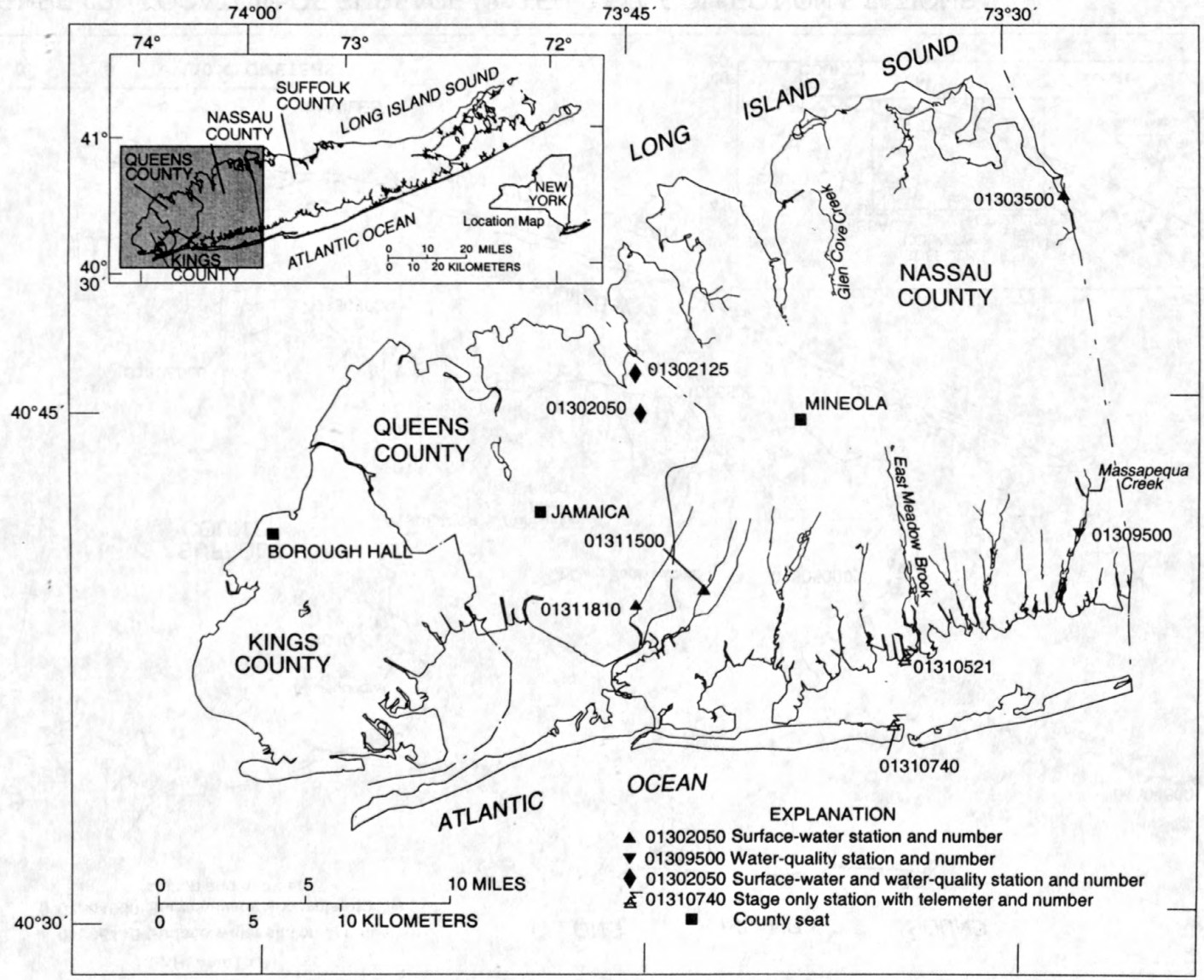


FIGURE 6A.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

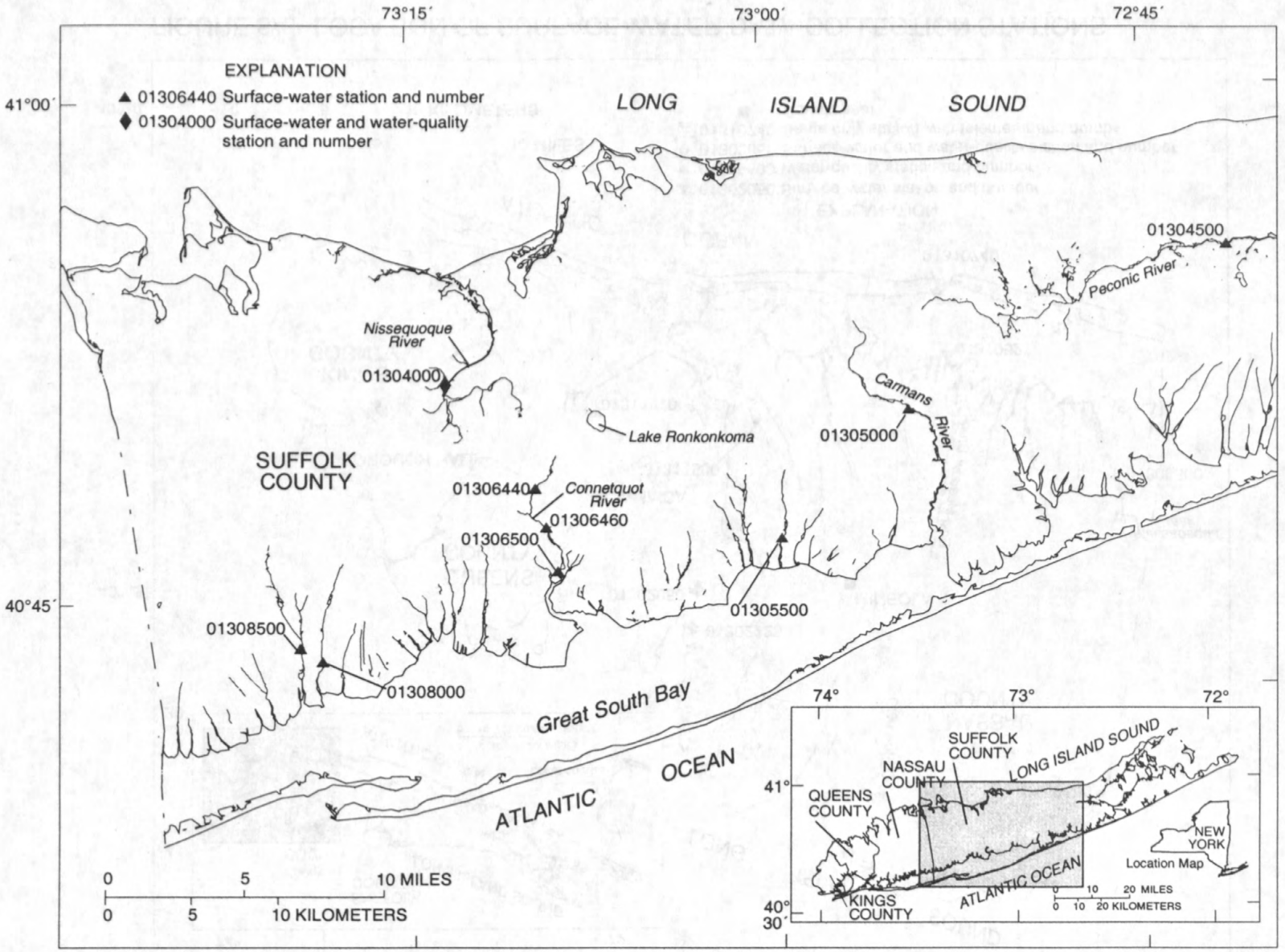


FIGURE 6B.--LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

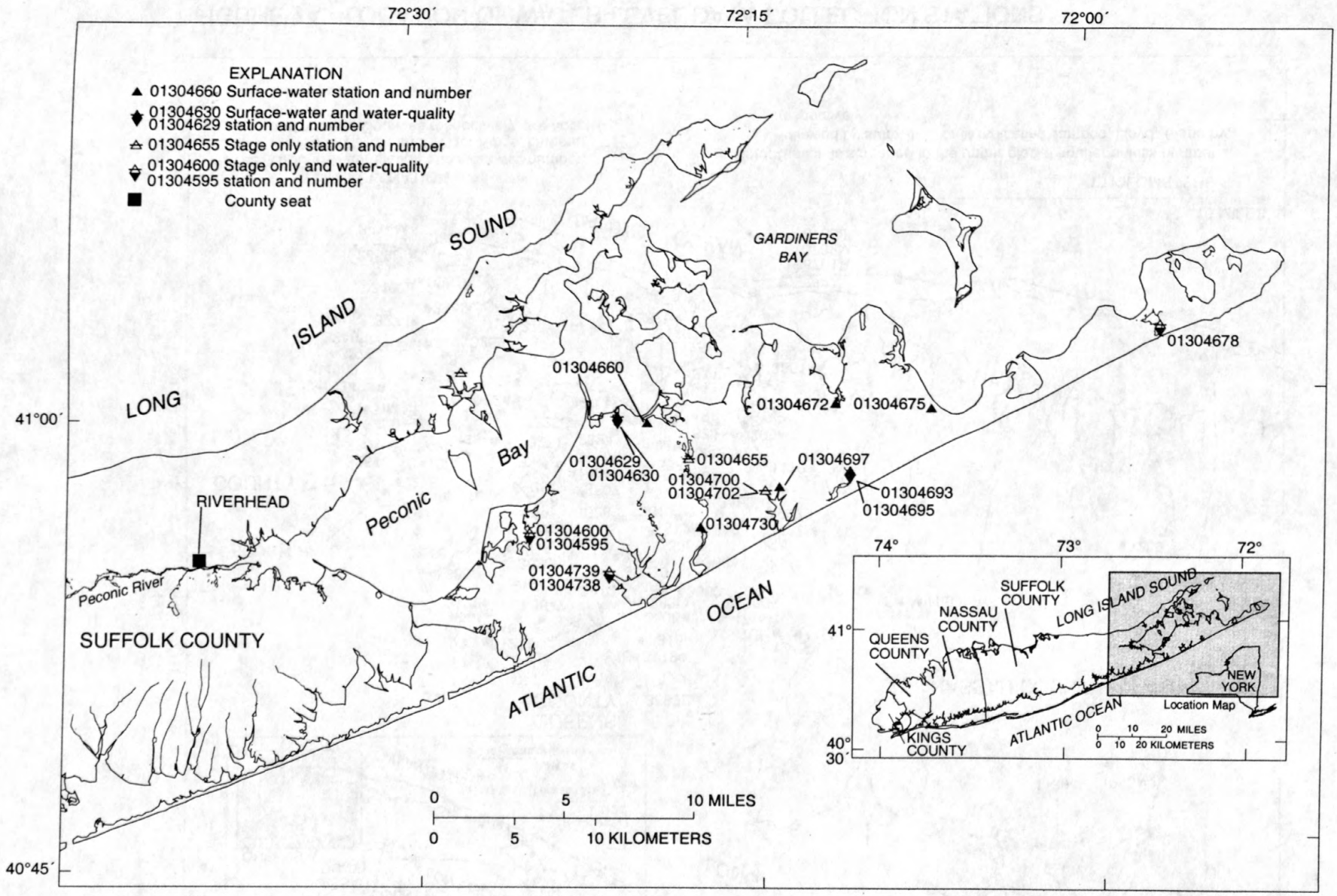


FIGURE 6C.--LOCATION OF SURFACE-WATER DATA COLLECTION SATATIONS

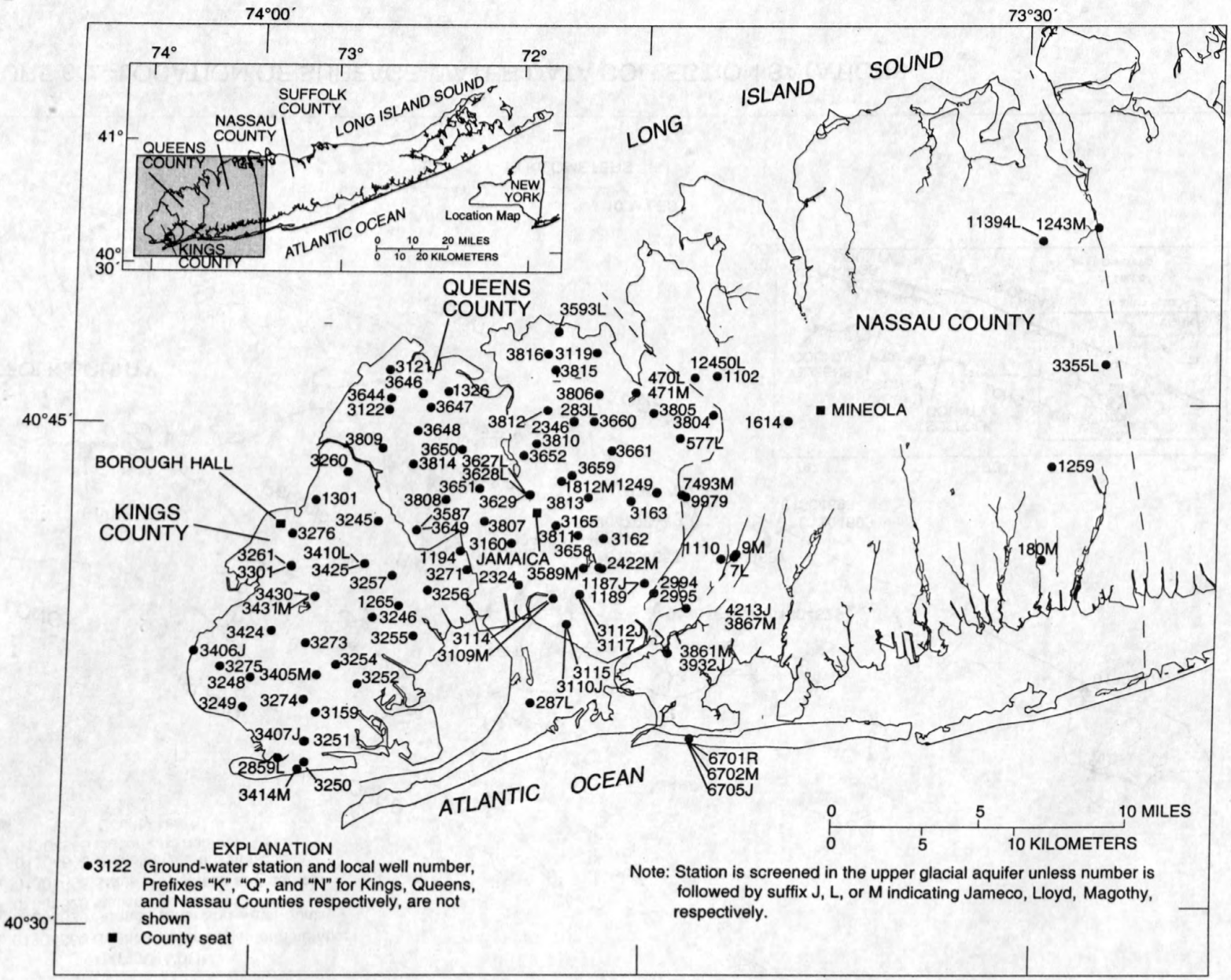


FIGURE 7A.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

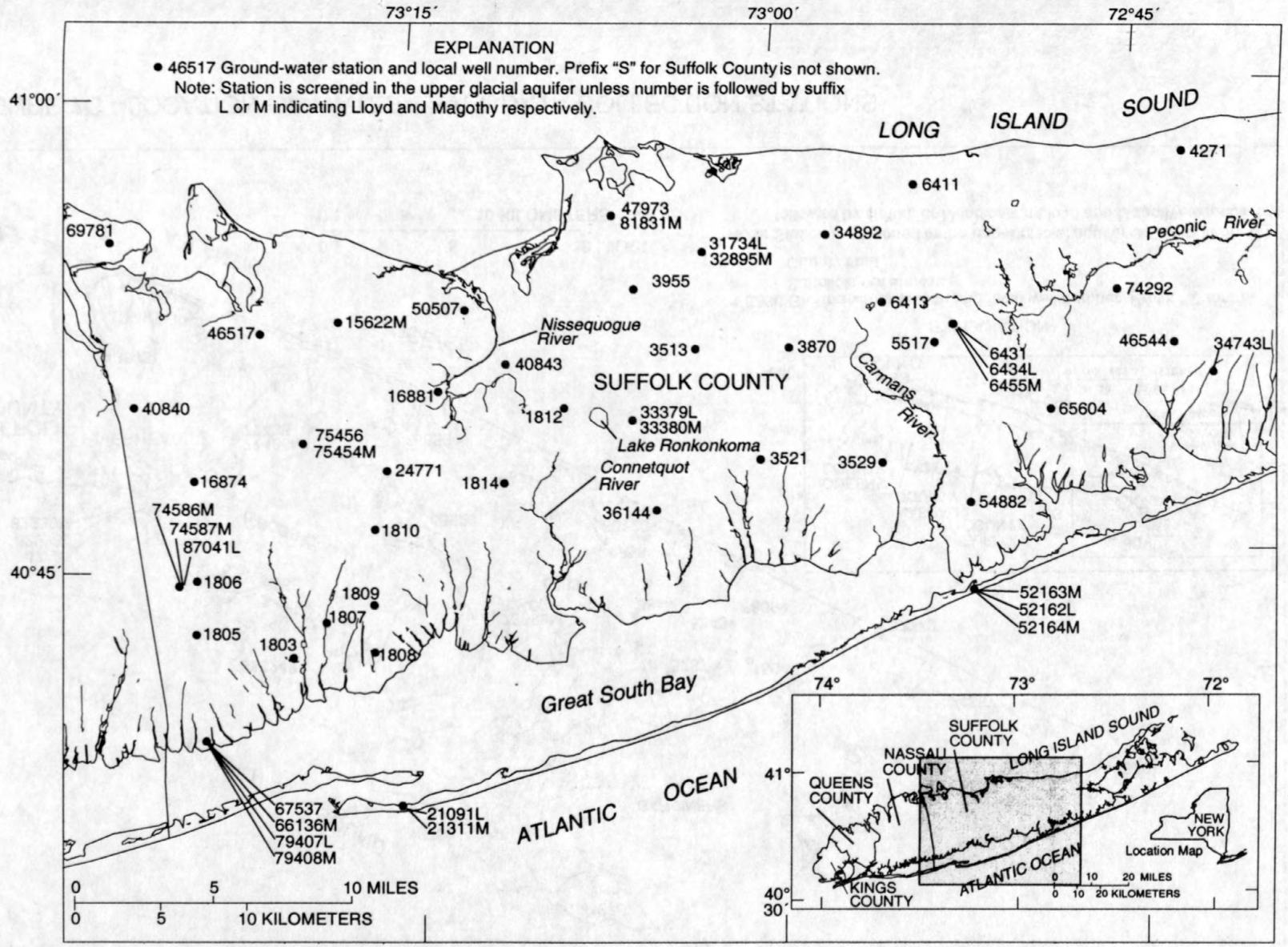


FIGURE 7B.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

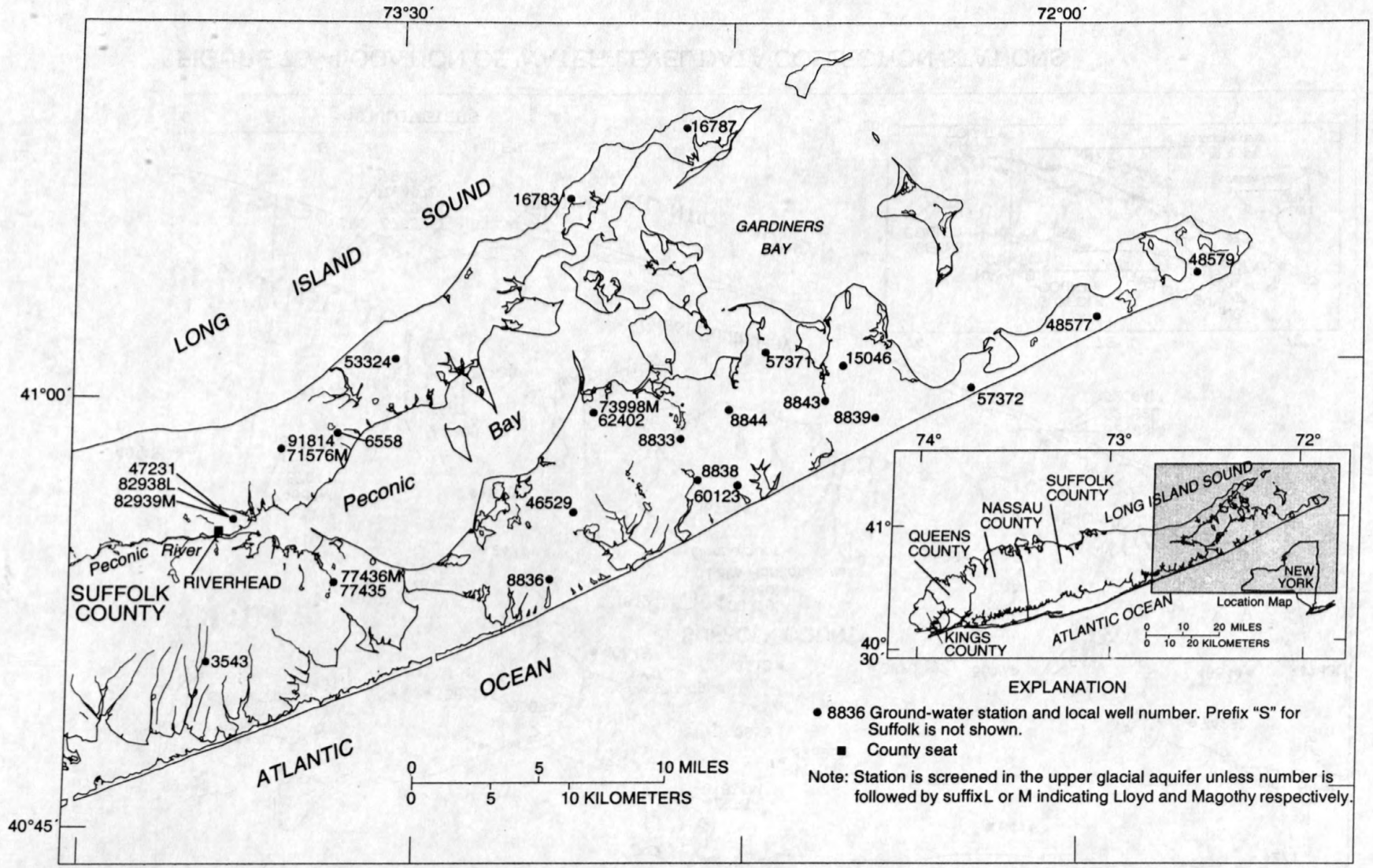


FIGURE 7C.--LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

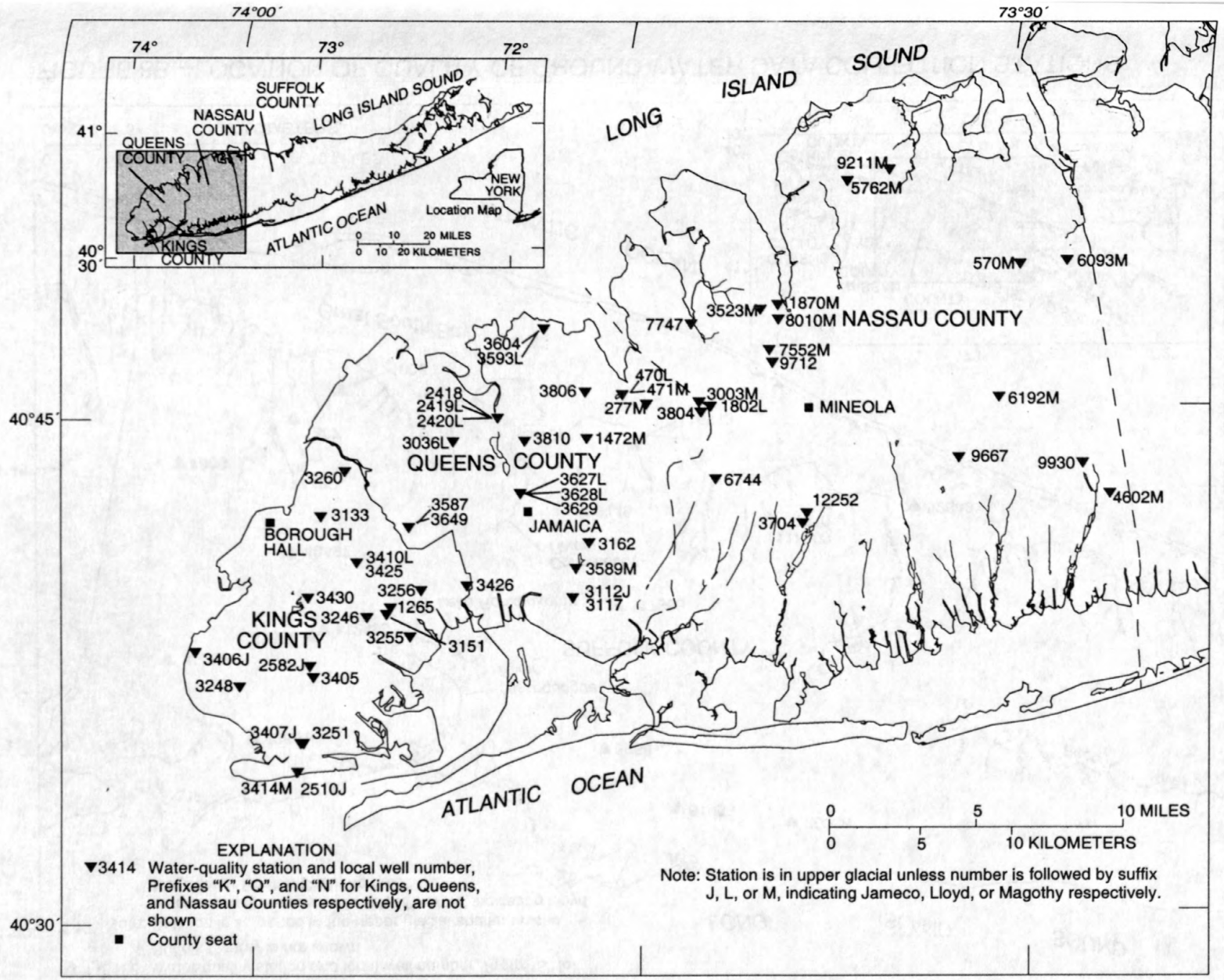


FIGURE 8A.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

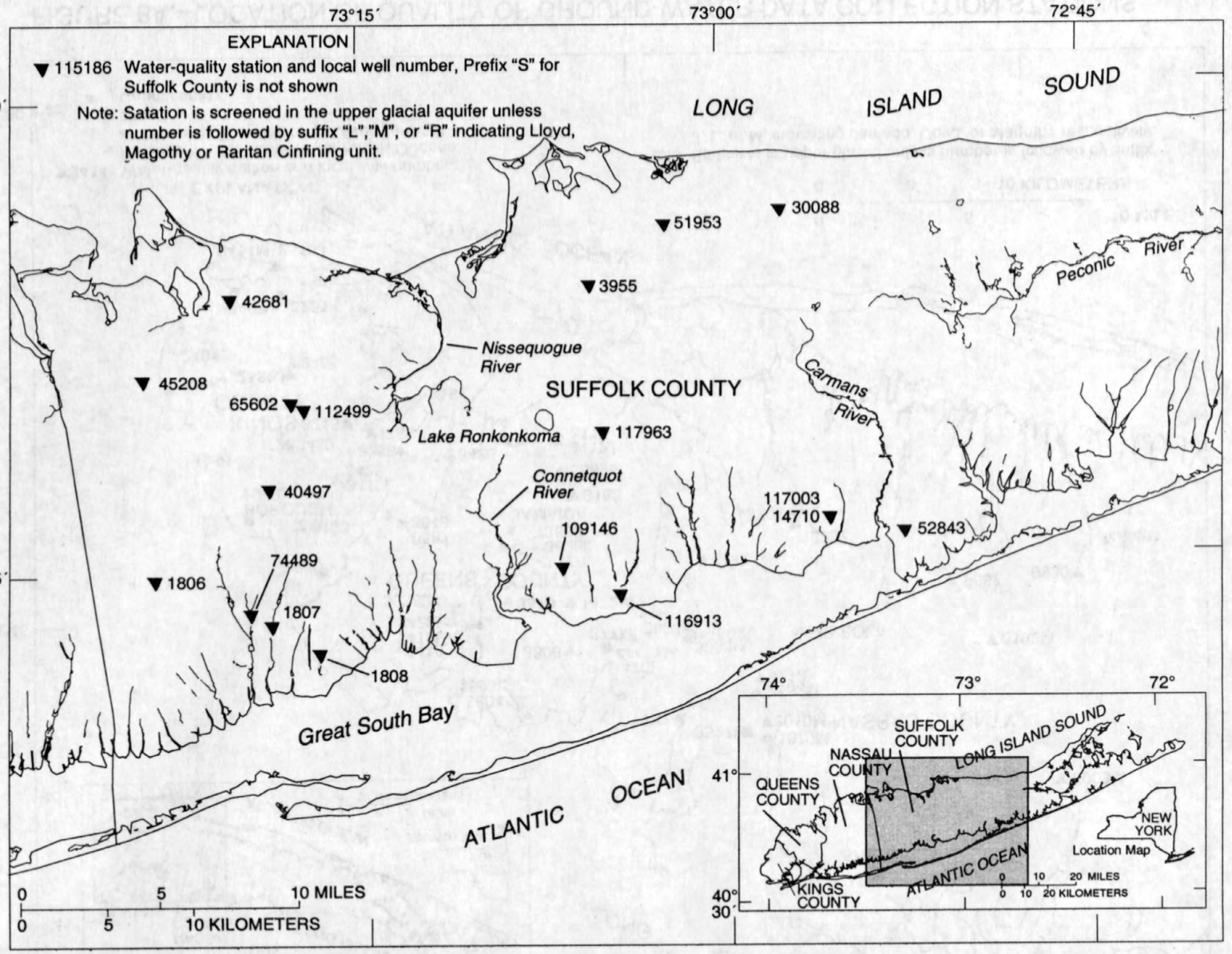


FIGURE 8B.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

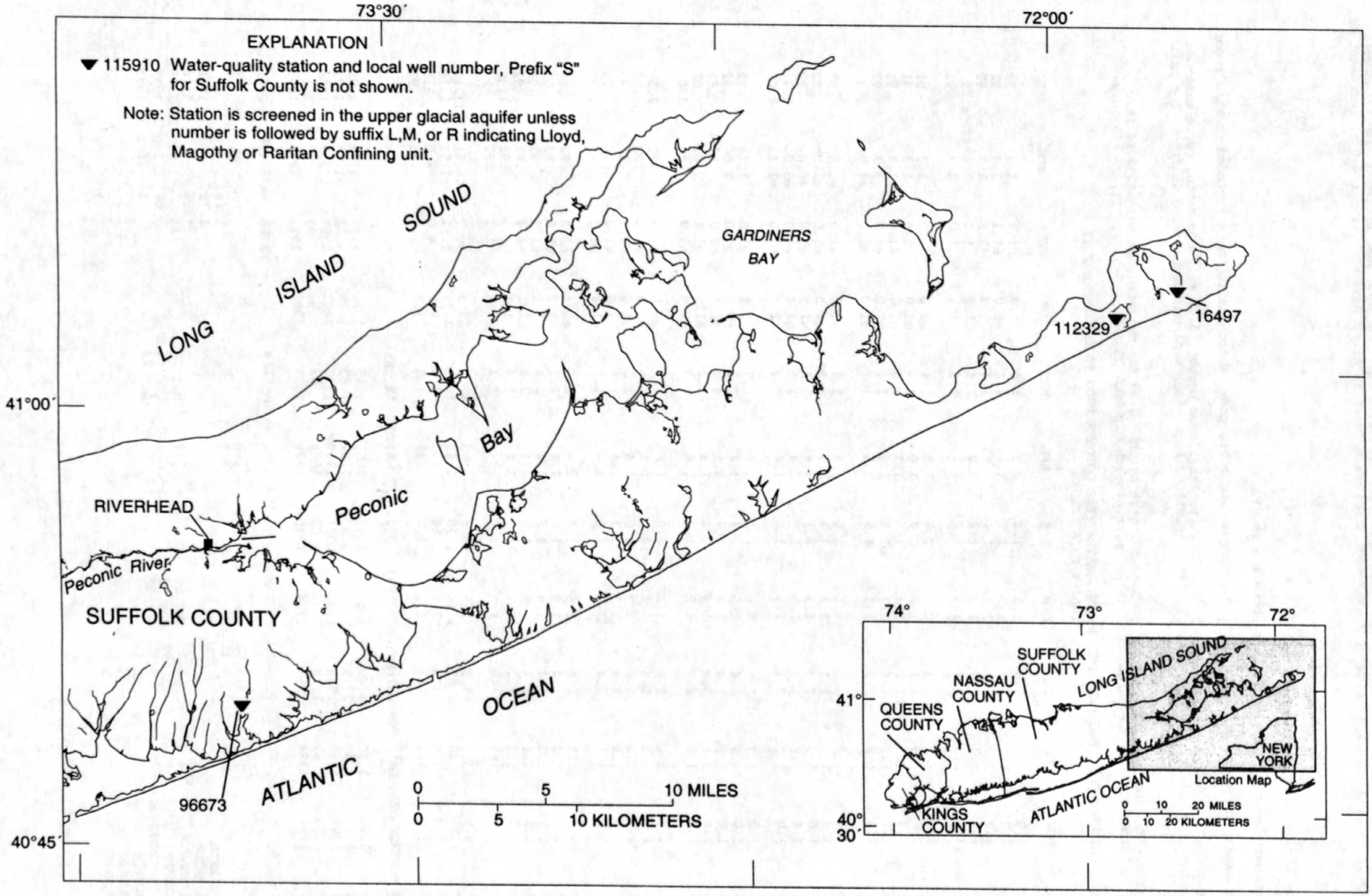


FIGURE 8C.--LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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 sea level.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Water-quality data included in this report.

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, 53 ft^3/s, Mar. 30, gage height, 2.09 ft; maximum gage height, 2.14 ft, Mar. 7, result of high tide; minimum discharge, 0.82 ft^3/s, part of each day Aug. 22, Sept. 5-9, 12, 13, 17, 19; gage height, 0.22 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.0	1.3	1.3	1.3	1.4	1.1	1.4	2.4	1.1	1.3	.92
2	1.1	1.0	1.3	1.3	1.3	1.5	1.1	1.4	e5.0	e1.1	1.3	.92
3	1.1	1.0	1.3	1.3	1.3	1.4	.95	1.4	1.4	1.1	1.3	.92
4	1.4	1.0	1.3	1.3	1.3	1.4	1.0	1.4	1.1	1.1	1.3	e1.1
5	1.4	1.0	1.3	1.4	2.3	2.2	1.1	1.4	1.1	1.0	1.3	.91
6	1.3	1.0	1.3	1.3	2.1	2.3	1.5	1.4	e1.0	1.0	1.3	.91
7	1.3	1.0	1.3	1.3	1.5	1.7	1.0	1.4	e1.0	1.0	1.3	.91
8	1.3	1.0	1.3	1.7	1.4	1.6	1.3	1.4	e1.0	e1.0	1.3	.91
9	1.3	1.1	1.3	1.4	1.3	e2.5	2.3	1.4	e1.0	e1.5	1.3	.92
10	1.3	2.0	1.3	1.3	1.3	1.5	2.3	1.3	e1.0	e1.0	e4.0	1.4
11	1.3	1.7	1.3	1.3	1.3	1.4	1.5	1.3	e1.0	e1.0	e1.5	.92
12	1.3	1.0	1.3	1.3	1.3	1.4	2.3	1.3	e2.0	e1.0	e2.0	.92
13	1.4	1.0	1.3	1.3	1.3	6.1	1.4	1.3	e1.5	e1.0	e8.0	.92
14	1.4	1.1	3.8	1.3	1.3	1.7	1.4	1.3	e1.4	e1.0	e5.0	2.4
15	1.4	1.0	1.3	2.3	1.3	1.8	1.4	1.3	1.1	e1.0	e1.1	1.0
16	1.6	1.0	1.7	1.5	1.6	2.1	1.4	1.3	1.1	e1.0	1.1	.92
17	1.6	1.0	3.4	1.4	1.5	2.9	1.4	1.3	e9.0	e4.0	1.0	.92
18	1.6	1.0	1.3	1.4	1.3	1.7	1.4	1.3	e2.5	e2.0	.92	.92
19	1.6	1.0	1.1	3.8	1.3	1.4	1.4	1.3	e1.5	e1.3	.92	.92
20	1.6	1.0	1.2	2.7	1.2	1.3	1.4	1.3	e1.4	e1.0	.92	2.0
21	1.6	1.0	1.1	1.9	1.1	6.0	1.6	2.2	e3.0	e1.0	.92	2.5
22	1.6	1.0	1.1	1.5	1.2	14	1.5	3.8	e2.0	e1.0	.92	.93
23	1.8	1.0	1.1	1.4	1.5	5.5	1.4	2.2	e1.5	e1.0	1.4	.92
24	1.6	1.0	1.1	1.4	1.3	1.7	1.4	1.3	e1.5	e1.0	.96	.92
25	1.0	1.0	1.1	1.4	2.9	1.4	1.4	1.3	e1.4	e1.0	.92	1.2
26	1.0	e5.0	1.1	1.4	1.6	1.8	1.4	1.6	e1.4	e3.0	.92	.92
27	1.0	1.1	1.1	1.4	1.4	1.3	1.4	1.3	1.2	e2.0	.93	.92
28	1.0	1.1	1.1	1.4	1.4	1.2	1.4	1.4	1.1	e1.5	.92	.92
29	1.0	1.3	1.1	1.4	---	1.5	1.4	2.4	1.1	e1.4	.92	.92
30	1.0	1.5	1.3	3.2	---	14	1.4	1.4	1.1	e1.3	.92	1.3
31	1.0	---	1.4	1.5	---	2.1	---	1.3	---	1.3	.92	---
TOTAL	41.0	36.9	43.3	49.8	40.9	89.8	42.95	47.1	53.8	40.7	48.81	33.11
MEAN	1.32	1.23	1.40	1.61	1.46	2.90	1.43	1.52	1.79	1.31	1.57	1.10
MAX	1.8	5.0	3.8	3.8	2.9	14	2.3	3.8	9.0	4.0	8.0	2.5
MIN	1.0	1.0	1.1	1.3	1.1	1.2	.95	1.3	1.0	1.0	.92	.91

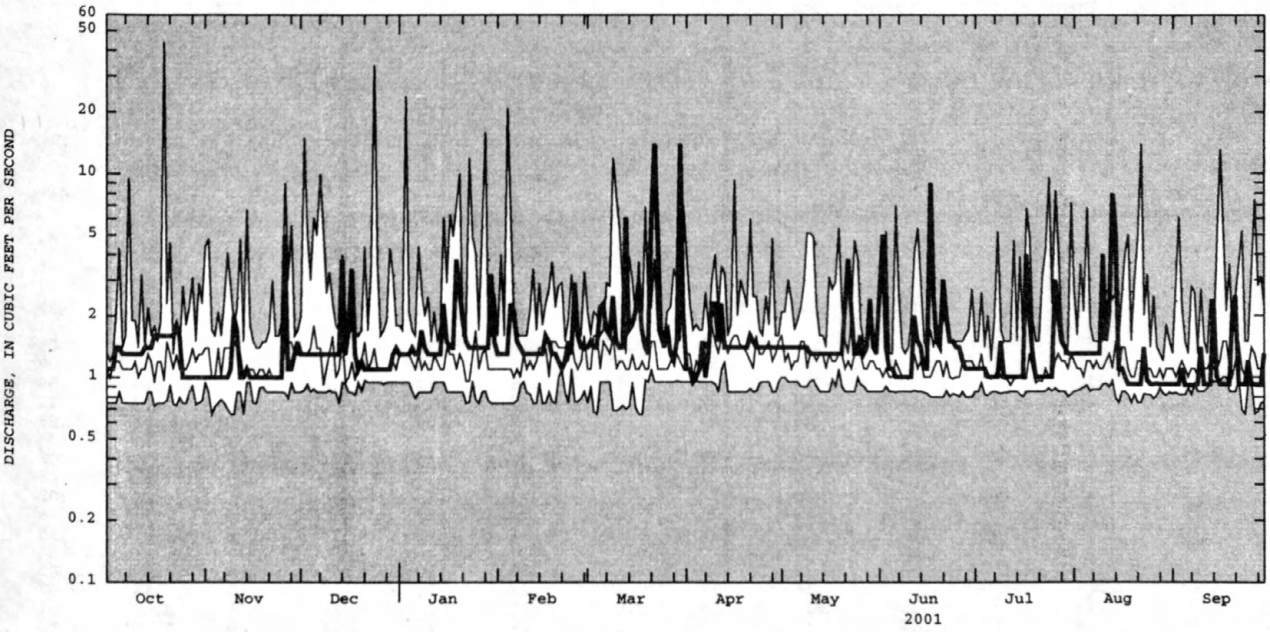
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	1.45	1.39	1.65	1.69	1.48	1.72	1.51	1.45	1.29	1.33	1.38	1.39
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	.97	.98	1.02	1.18	.93	1.07	1.04	.98	.94	.93	.95	1.10
(WY)	1995	1994	1996	1997	1996	1995	1995	1995	1995	1993	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	514.92		568.17			
ANNUAL MEAN	1.41		1.56		1.49	
HIGHEST ANNUAL MEAN					1.76	1998
LOWEST ANNUAL MEAN					1.26	1996
HIGHEST DAILY MEAN	8.3	Jul 26	14	Mar 22	44	Oct 19 1996
LOWEST DAILY MEAN	.92	May 9	.91	Sep 5	.66	Sep 24 1995
ANNUAL SEVEN-DAY MINIMUM	1.0	Oct 25	.92	Aug 28	.73	Sep 27 1995
10 PERCENT EXCEEDS	2.1		2.2		2.1	
50 PERCENT EXCEEDS	1.1		1.3		1.2	
90 PERCENT EXCEEDS	1.0		.98		.85	

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. Datum of gage is 9.00 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Water-quality data included in this report.

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 0.06 ft^3/s, part or all of each day July 26, 27, 29, 31, Sept. 1-6, 1999; minimum gage height, 0.33 ft, Sept. 6, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47 ft^3/s, Aug. 13, gage height 2.55 ft, from rating curve extended above 30 ft^3/s; minimum, 0.04 ft^3/s, Sept. 30; minimum gage height, 0.36 ft, July. 26-28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

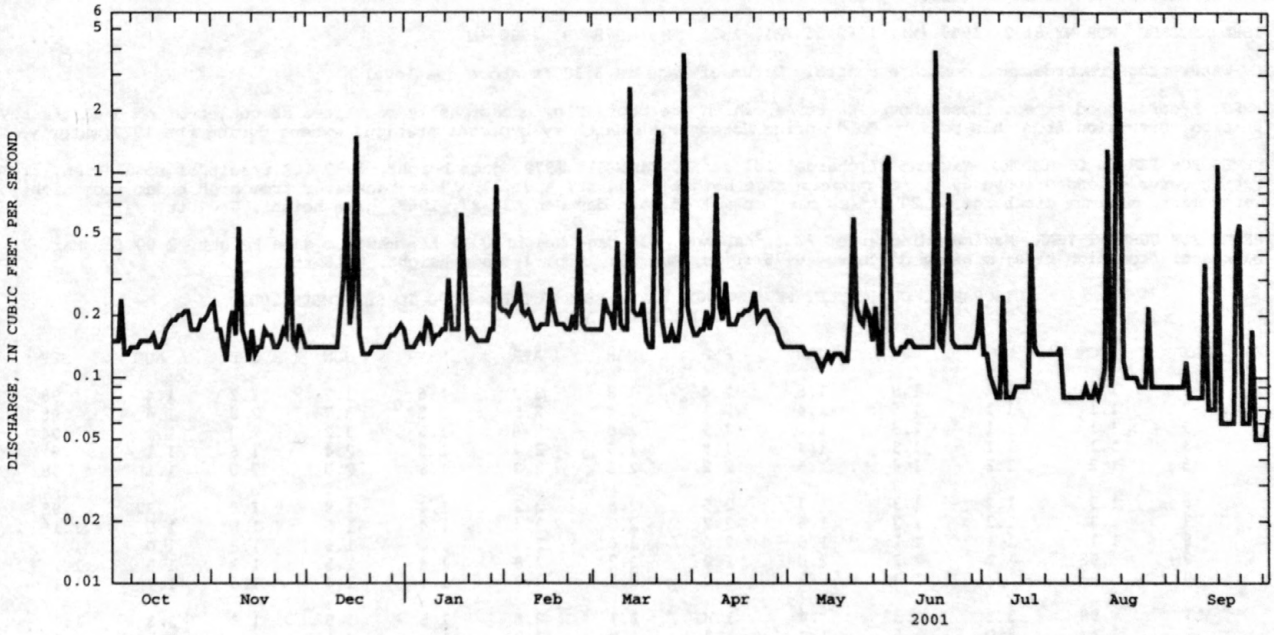
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.15	.22	.14	.17	.21	.17	.18	.14	1.1	.24	.08	.09
2	.15	.23	.14	.14	.21	.17	.16	.14	1.2	.13	.08	.09
3	.15	.17	.14	.14	.20	.17	.16	.14	.14	.13	.09	.09
4	.24	.17	.14	.14	.22	.17	.17	.14	.13	.10	.08	.12
5	.13	.14	.14	.15	.23	.24	.17	.14	.13	.09	.08	.08
6	.13	.12	.14	.16	.29	.21	.21	.14	.14	.08	.09	.08
7	.14	.18	.14	.15	.21	.20	.17	.13	.14	.08	.08	.08
8	.14	.21	.14	.19	.20	.17	.20	.13	.15	.25	.09	.08
9	.14	.16	.14	.18	.21	.46	.79	.13	.15	.08	.11	.08
10	.15	.54	.14	.15	.19	.18	.22	.13	.14	.08	1.3	.36
11	.15	.17	.14	.16	.17	.17	.19	.12	.14	.08	.09	.07
12	.15	.15	.21	.16	.17	.17	.29	.11	.14	.09	.13	.07
13	.15	.12	.30	.17	.18	2.6	.18	.12	.14	.09	4.1	.07
14	.16	.17	.71	.17	.18	.21	.18	.13	.14	.09	1.9	1.1
15	.14	.13	.18	.30	.18	.20	.18	.12	.14	.09	.12	.06
16	.14	.14	.25	.17	.27	.20	.20	.13	.14	.09	.10	.06
17	.15	.14	1.5	.17	.21	.23	.20	.13	3.9	.45	.10	.06
18	.17	.17	.16	.17	.18	.15	.21	.13	.15	.14	.10	.06
19	.18	.16	.13	.63	.18	.14	.21	.12	.14	.13	.10	.06
20	.19	.16	.13	.31	.18	.14	.22	.12	.22	.13	.09	.47
21	.19	.14	.13	.16	.17	.90	.26	.20	.79	.13	.09	.56
22	.20	.14	.14	.17	.17	1.6	.19	.60	.15	.13	.09	.06
23	.20	.15	.14	.16	.20	.19	.20	.22	.14	.13	.22	.06
24	.21	.17	.14	.15	.17	.15	.21	.19	.14	.13	.09	.06
25	.21	.16	.14	.15	.53	.15	.21	.18	.14	.13	.09	.17
26	.17	.76	.14	.15	.18	.17	.19	.22	.14	.14	.09	.05
27	.17	.15	.15	.15	.17	.15	.18	.20	.14	.08	.09	.05
28	.17	.14	.16	.17	.17	.15	.17	.15	.14	.08	.09	.05
29	.19	.18	.16	.17	---	.20	.15	.22	.14	.08	.09	.05
30	.19	.16	.17	.87	---	3.8	.14	.13	.16	.08	.09	.07
31	.20	---	.18	.22	---	.22	---	.13	---	.08	.09	---
TOTAL	5.20	5.80	6.76	6.50	5.83	14.03	6.39	5.03	10.75	3.83	10.03	4.41
MEAN	.17	.19	.22	.21	.21	.45	.21	.16	.36	.12	.32	.15
MAX	.24	.76	1.5	.87	.53	3.8	.79	.60	3.9	.45	4.1	1.1
MIN	.13	.12	.13	.14	.17	.14	.14	.11	.13	.08	.08	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	.15	.18	.19	.29	.18	.33	.25	.32	.31	.20	.24	.31
MAX	.17	.19	.22	.48	.21	.45	.31	.50	.43	.41	.32	.39
(WY)	2001	2001	2001	1999	2001	2001	2000	1999	2000	2000	2001	2000
MIN	.13	.17	.16	.18	.13	.21	.21	.16	.14	.081	.11	.15
(WY)	2000	2000	1999	2000	2000	2000	2001	2001	1999	1999	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	98.25		84.56			
ANNUAL MEAN	.27		.23		.25	
HIGHEST ANNUAL MEAN					.26	2000
LOWEST ANNUAL MEAN					.23	2001
HIGHEST DAILY MEAN	5.0	Jun 6	4.1	Aug 13	9.0	Jan 3 1999
LOWEST DAILY MEAN	.09	Mar 10	.05	Sep 26	.05	Sep 26 2001
ANNUAL SEVEN-DAY MINIMUM	.11	Feb 2	.07	Sep 23	.07	Aug 31 1999
10 PERCENT EXCEEDS	.28		.24		.27	
50 PERCENT EXCEEDS	.16		.15		.15	
90 PERCENT EXCEEDS	.12		.09		.09	

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 sea level.

REMARKS.-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, 22 ft^3/s, Aug. 13, gage height 0.71 ft; maximum gage height, 2.00 ft, Mar. 7, backwater from high tide; minimum discharge 0.75 ft^3/s, Aug. 31, Sep. 4, gage height, 0.16 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	1.8	1.6	2.4	1.8	3.2	1.6	1.7	2.2	1.4	.98
2	1.1	1.1	1.6	1.4	2.1	1.8	2.5	1.8	3.7	2.8	1.4	.98
3	1.1	1.1	1.3	1.4	1.9	1.8	2.8	1.6	3.2	2.0	1.1	.94
4	1.1	1.1	1.3	1.4	1.8	1.5	2.4	1.8	2.4	1.6	1.1	.91
5	1.2	1.2	1.4	1.5	2.2	2.2	2.2	1.8	2.0	2.0	1.1	.98
6	1.3	1.2	1.3	1.7	2.6	2.8	2.2	1.4	1.9	1.8	.97	.98
7	1.3	1.2	1.2	1.5	2.2	2.2	2.4	1.4	1.6	1.5	1.0	1.1
8	1.1	1.1	1.1	1.6	2.0	2.0	2.4	1.4	1.6	1.8	1.0	1.1
9	.98	1.2	1.2	2.0	2.0	2.2	2.8	1.4	1.5	1.9	1.0	1.1
10	.98	e11	1.3	1.7	2.0	2.5	3.7	1.4	1.4	1.6	1.7	1.1
11	.98	5.1	1.3	1.4	1.8	2.1	2.8	1.5	1.5	1.8	2.8	1.1
12	1.1	3.0	1.5	1.4	1.8	1.9	2.9	1.4	2.1	1.8	2.3	1.1
13	1.1	2.2	1.3	1.5	1.8	5.9	2.6	1.3	2.0	1.6	7.1	1.0
14	.99	2.2	3.0	1.4	1.8	3.7	2.2	1.3	1.8	1.4	6.7	1.7
15	1.0	2.1	2.8	2.0	1.8	2.5	2.1	1.3	1.6	1.4	3.3	2.0
16	1.1	1.8	2.2	2.0	1.9	2.0	2.0	1.3	1.6	1.5	2.2	1.4
17	1.2	1.6	3.5	1.8	2.2	2.0	2.0	1.4	7.9	1.5	1.8	1.1
18	1.4	1.5	3.8	1.8	1.9	1.9	1.9	1.4	5.5	3.0	1.8	1.1
19	1.4	1.3	2.3	2.4	1.8	1.8	1.8	1.4	2.8	2.6	1.4	1.1
20	1.3	1.3	1.9	3.6	1.8	1.8	1.8	1.4	2.2	2.0	1.4	1.1
21	1.3	1.2	1.6	3.3	1.6	2.2	1.7	1.4	2.4	1.6	1.4	2.0
22	1.2	1.1	1.4	2.3	1.3	6.5	2.2	3.2	2.0	1.6	1.1	1.8
23	1.1	1.2	1.3	1.9	1.8	4.7	2.3	4.5	1.8	1.4	1.4	1.5
24	1.1	1.2	1.3	1.8	1.8	3.0	2.1	3.7	2.0	1.4	2.2	1.3
25	1.1	1.3	1.3	1.8	2.1	2.2	1.8	2.8	1.8	1.2	1.7	1.8
26	1.2	3.0	1.3	1.5	2.8	2.1	1.8	3.3	1.5	2.4	1.1	1.8
27	1.3	3.6	1.3	1.5	2.2	2.1	1.8	3.7	1.4	2.6	1.0	1.4
28	1.1	2.3	1.3	1.4	1.9	2.0	1.8	2.8	1.4	2.1	1.1	1.2
29	.89	1.8	1.3	1.4	---	1.9	1.8	2.4	1.4	1.7	1.1	1.1
30	1.0	2.1	2.2	2.4	---	9.9	1.5	2.3	1.2	1.5	.95	1.4
31	.98	---	2.2	3.2	---	5.4	---	2.0	---	1.4	.86	---
TOTAL	35.10	62.2	53.6	57.6	55.3	88.4	67.5	61.4	66.9	56.7	56.48	38.17
MEAN	1.13	2.07	1.73	1.86	1.98	2.85	2.25	1.98	2.23	1.83	1.82	1.27
MAX	1.4	11	3.8	3.6	2.8	9.9	3.7	4.5	7.9	3.0	7.1	2.0
MIN	.89	1.1	1.1	1.4	1.3	1.5	1.5	1.3	1.2	1.2	.86	.91

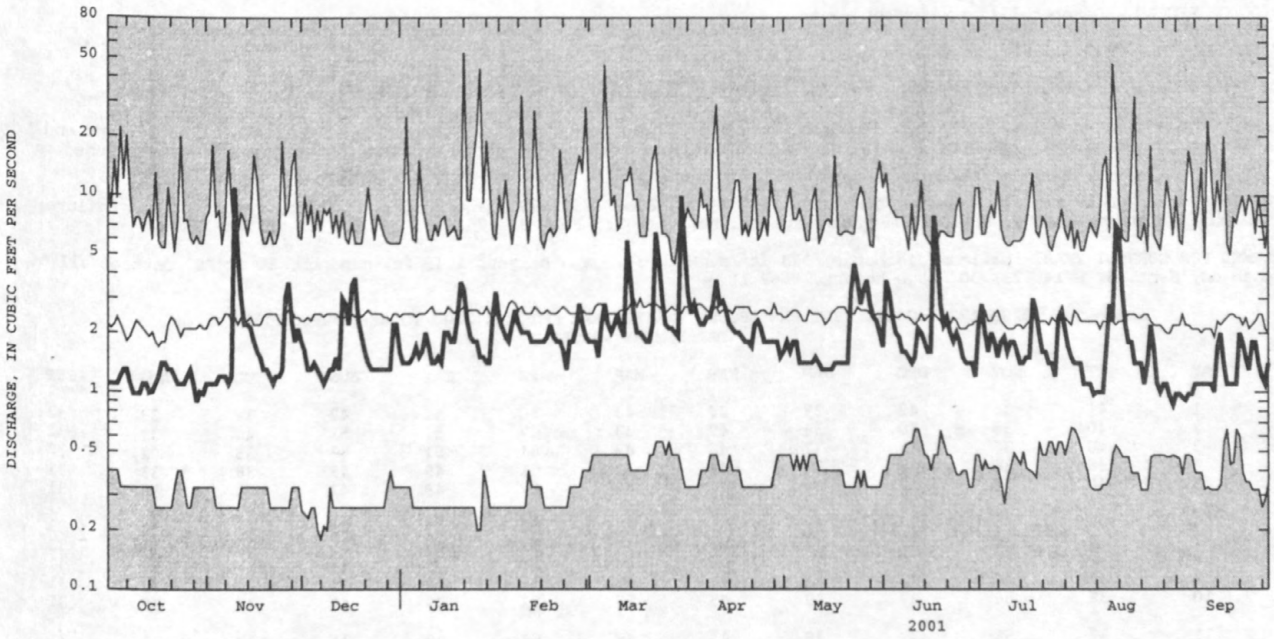
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2001, BY WATER YEAR (WY)

MEAN	2.37	2.56	2.53	2.74	2.79	2.83	2.83	2.66	2.53	2.47	2.56	2.39
MAX	6.02	6.35	5.95	8.56	6.85	6.56	7.25	6.60	6.37	6.17	6.11	6.35
(WY)	1980	1980	1980	1979	1979	1979	1980	1979	1979	1979	1979	1979
MIN	.38	.30	.29	.27	.29	.46	.45	.41	.67	.63	.59	.63
(WY)	1966	1967	1967	1967	1967	1967	1966	1967	1967	1968	1988	1965

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	660.95		699.35			
ANNUAL MEAN	1.81		1.92		2.60	
HIGHEST ANNUAL MEAN					6.32	1979
LOWEST ANNUAL MEAN					.51	1967
HIGHEST DAILY MEAN	13	Apr 22	11	Nov 10	53	Jan 21 1979
LOWEST DAILY MEAN	.89	Oct 29	.86	Aug 31	.18	Dec 7 1983
ANNUAL SEVEN-DAY MINIMUM	1.0	Oct 9	.94	Aug 30	.22	Dec 3 1983
10 PERCENT EXCEEDS	2.8		2.8		4.2	
50 PERCENT EXCEEDS	1.5		1.7		2.4	
90 PERCENT EXCEEDS	1.1		1.1		.86	

e Estimated

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 sea level.

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. Water-quality data included in this report.

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, 123 ft^3/s, Mar. 30, gage height, 1.15 ft; minimum, 30 ft^3/s, part or all of each day Sept. 5, 8-14, 29, 30, gage height, 0.62 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

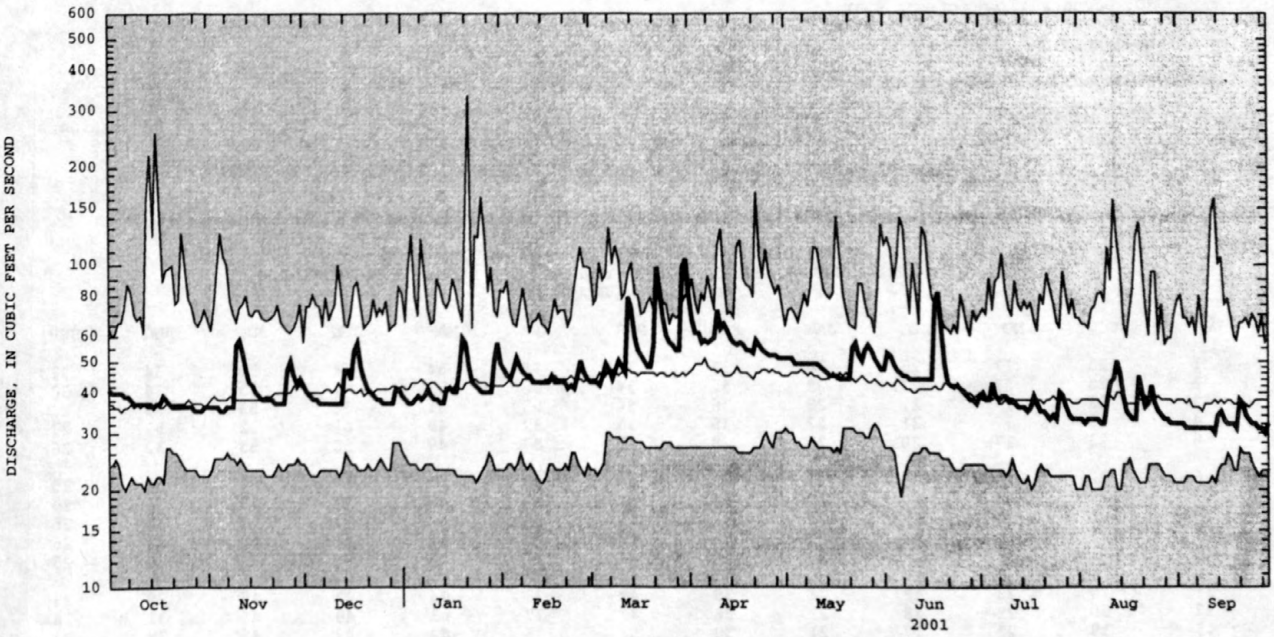
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	36	42	39	49	43	80	51	47	39	33	32
2	40	36	40	38	47	43	67	51	53	40	33	32
3	40	36	39	37	45	43	61	51	52	38	32	32
4	40	36	38	37	44	42	61	49	49	38	33	31
5	40	35	38	38	47	45	57	49	47	43	33	31
6	39	35	37	39	51	49	58	49	46	39	33	31
7	39	36	37	38	48	47	57	49	45	38	33	31
8	38	36	37	39	46	44	58	49	45	39	32	31
9	37	36	37	41	45	47	59	49	44	39	32	31
10	37	56	37	39	45	50	72	49	44	38	38	31
11	37	58	37	38	43	48	63	49	44	38	43	31
12	37	53	37	38	43	46	65	48	44	37	44	31
13	37	47	37	37	43	79	62	47	44	36	50	30
14	37	43	47	37	43	73	59	46	44	36	46	34
15	36	42	47	41	43	60	57	45	44	36	39	35
16	37	40	44	41	43	54	56	45	44	35	35	33
17	37	39	54	40	45	52	57	45	75	36	34	32
18	39	38	57	40	43	50	56	44	82	39	33	32
19	38	38	48	47	43	48	54	44	62	37	33	32
20	37	38	44	59	43	48	54	44	49	35	45	31
21	36	38	41	57	43	56	53	44	43	35	40	38
22	36	37	40	48	41	98	58	55	42	34	36	37
23	36	37	39	43	42	82	56	57	42	33	37	34
24	36	37	38	42	41	68	54	52	42	34	42	33
25	36	37	38	41	45	60	53	50	41	33	37	32
26	36	47	37	40	50	57	52	54	40	40	35	32
27	36	50	37	40	46	56	52	56	39	39	34	31
28	35	45	37	40	44	54	52	54	38	36	33	31
29	35	42	37	40	---	54	51	51	38	34	33	30
30	35	44	41	50	---	98	51	49	37	33	32	32
31	36	---	41	57	---	104	---	47	---	33	32	---
TOTAL	1156	1228	1260	1301	1251	1798	1745	1522	1406	1140	1125	964
MEAN	37.3	40.9	40.6	42.0	44.7	58.0	58.2	49.1	46.9	36.8	36.3	32.1
MAX	41	58	57	59	51	104	80	57	82	43	50	38
MIN	35	35	37	37	41	42	51	44	37	33	32	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	38.6	40.5	42.3	44.0	44.9	47.3	48.7	46.5	43.4	39.9	39.6	38.4
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	16364		15896			
ANNUAL MEAN	44.7		43.6		42.8	
HIGHEST ANNUAL MEAN					58.9	1991
LOWEST ANNUAL MEAN					27.0	1966
HIGHEST DAILY MEAN	168	Apr 22	104	Mar 31	334	Jan 22 1979
LOWEST DAILY MEAN	35	Oct 28	30	Sep 13	19	Jun 6 1967
ANNUAL SEVEN-DAY MINIMUM	36	Oct 24	31	Sep 7	21	Jul 31 1966
10 PERCENT EXCEEDS	56		56		56	
50 PERCENT EXCEEDS	42		41		41	
90 PERCENT EXCEEDS	37		33		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 Lighting Co. 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 sea level.

REMARKS.--No estimated daily discharges. 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, 98 ft^3/s, Mar. 31, Apr. 1, 2, gage height, 0.82 ft; minimum, 16 ft^3/s, Dec. 12, gage height, 0.33 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

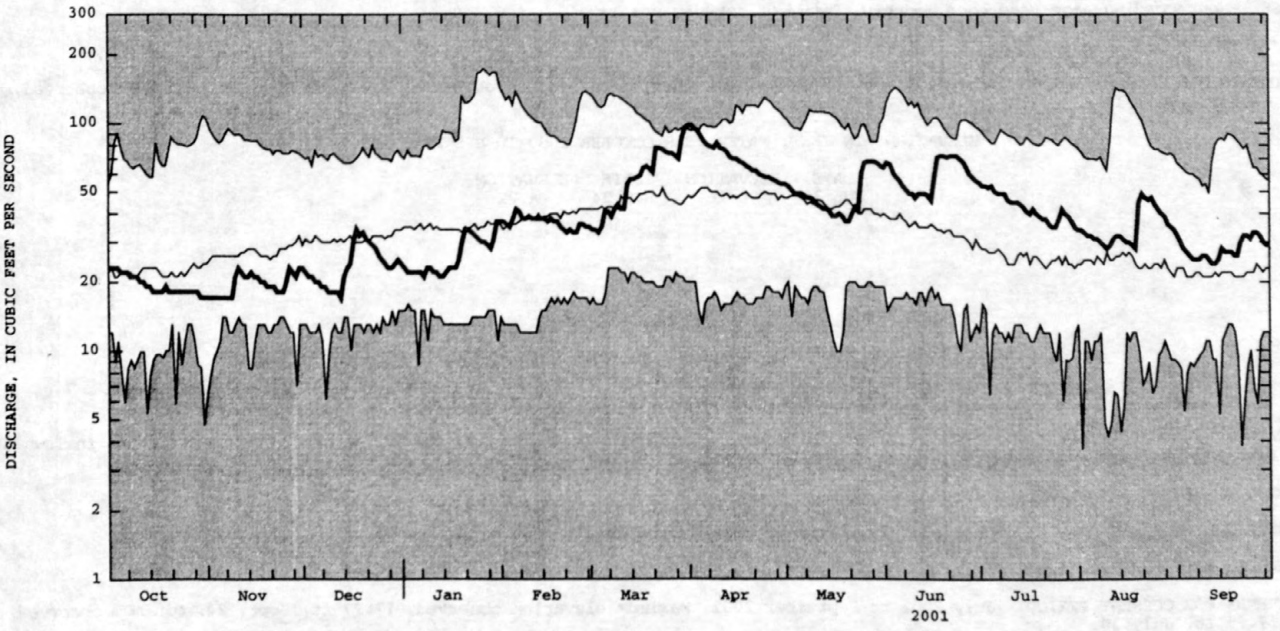
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	17	23	24	37	35	98	54	64	55	34	32
2	23	17	22	23	37	34	98	53	67	53	34	30
3	23	17	21	22	36	34	95	51	66	53	33	28
4	23	17	21	22	35	33	92	49	61	52	32	27
5	22	17	20	22	38	35	87	49	58	53	32	26
6	22	17	20	22	42	41	83	49	56	50	31	25
7	22	17	19	22	41	41	80	48	53	49	31	25
8	21	17	19	21	38	39	79	47	51	49	30	25
9	21	17	18	23	38	42	78	47	49	49	29	26
10	21	21	18	23	39	44	82	46	49	46	28	26
11	20	23	18	22	38	42	78	44	47	45	29	25
12	20	22	18	22	38	42	77	43	49	45	31	24
13	19	21	17	21	38	54	75	42	49	45	32	24
14	19	21	21	21	38	57	71	42	49	44	32	25
15	18	22	23	22	38	57	70	41	48	43	31	28
16	18	21	24	23	37	58	70	39	46	41	30	27
17	18	21	30	23	38	59	68	39	58	40	30	27
18	18	20	34	23	37	64	67	40	71	42	29	27
19	19	20	32	25	37	65	65	39	72	40	28	26
20	18	19	33	30	35	63	64	37	72	39	45	26
21	18	19	31	34	34	61	62	37	71	38	49	30
22	18	19	30	34	33	78	62	40	72	38	47	32
23	18	18	29	33	34	78	60	43	72	36	46	32
24	18	18	28	32	33	77	59	42	72	35	47	31
25	18	18	26	31	33	75	58	61	70	35	44	33
26	18	20	25	30	36	74	58	67	68	38	42	33
27	18	23	24	30	36	74	57	68	64	42	40	32
28	18	22	23	29	35	72	56	68	60	40	39	30
29	18	21	23	28	---	70	55	68	58	39	36	29
30	17	23	24	31	---	86	54	67	56	37	35	29
31	17	---	25	37	---	96	---	65	---	35	34	---
TOTAL	604	585	739	805	1029	1780	2158	1525	1798	1346	1090	840
MEAN	19.5	19.5	23.8	26.0	36.8	57.4	71.9	49.2	59.9	43.4	35.2	28.0
MAX	23	23	34	37	42	96	98	68	72	55	49	33
MIN	17	17	17	21	33	33	54	37	46	35	28	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

MEAN	26.3	30.3	34.4	38.8	42.3	48.4	51.7	46.6	40.4	30.5	28.6	25.7
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	11171		14299			
ANNUAL MEAN	30.5		39.2		37.0	
HIGHEST ANNUAL MEAN					67.9	1984
LOWEST ANNUAL MEAN					16.1	1966
HIGHEST DAILY MEAN	62	Apr 22	98	Apr 1	173	Jan 27 1979
LOWEST DAILY MEAN	17	Oct 30	17	Oct 30	3.7	Aug 2 1944
ANNUAL SEVEN-DAY MINIMUM	17	Oct 30	17	Oct 30	5.8	Aug 9 1966
10 PERCENT EXCEEDS	46		68		62	
50 PERCENT EXCEEDS	28		35		32	
90 PERCENT EXCEEDS	19		19		18	

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 September 2001.

GAGE.--Nonrecording gage read once monthly. Datum of gage is sea level.

REMARKS.--Records excellent.

EXTREMES FOR CURRENT PERIOD.--July 2001 to September 2001: Maximum elevation observed, 4.22 ft, Sept. 24; minimum observed, 4.16 ft, July 30.

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

DATE	ELEVATION	DATE	ELEVATION
JUL 30	4.16	SEP 24	4.22

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 September 2001.

GAGE.--Nonrecording gage read once monthly. Datum of gage is sea level.

REMARKS.--Records excellent.

EXTREMES FOR CURRENT PERIOD.--July 2001 to September 2001: Maximum elevation observed, 17.97 ft, Sept. 24; minimum observed, 17.95 ft, July 30.

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

DATE	ELEVATION	DATE	ELEVATION
JUL 30	17.95	SEP 24	17.97

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 September 2001. Precipitation records for August 2001 to September 2001 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 sea level.

REMARKS.--Records good.

EXTREMES FOR CURRENT PERIOD.--August 2001 to September 2001: Maximum elevation, 12.89 ft, Aug. 20; minimum, 12.32 ft, Sep. 19, 20.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	12.63
2	---	---	---	---	---	---	---	---	---	---	---	12.58
3	---	---	---	---	---	---	---	---	---	---	---	12.57
4	---	---	---	---	---	---	---	---	---	---	12.55	12.57
5	---	---	---	---	---	---	---	---	---	---	12.53	12.53
6	---	---	---	---	---	---	---	---	---	---	12.53	12.52
7	---	---	---	---	---	---	---	---	---	---	12.52	12.51
8	---	---	---	---	---	---	---	---	---	---	12.50	12.47
9	---	---	---	---	---	---	---	---	---	---	12.48	12.45
10	---	---	---	---	---	---	---	---	---	---	12.48	12.44
11	---	---	---	---	---	---	---	---	---	---	12.49	12.42
12	---	---	---	---	---	---	---	---	---	---	12.61	12.40
13	---	---	---	---	---	---	---	---	---	---	12.63	12.39
14	---	---	---	---	---	---	---	---	---	---	12.62	12.40
15	---	---	---	---	---	---	---	---	---	---	12.58	12.41
16	---	---	---	---	---	---	---	---	---	---	12.56	12.39
17	---	---	---	---	---	---	---	---	---	---	12.56	12.38
18	---	---	---	---	---	---	---	---	---	---	12.55	12.36
19	---	---	---	---	---	---	---	---	---	---	12.54	12.33
20	---	---	---	---	---	---	---	---	---	---	12.82	12.34
21	---	---	---	---	---	---	---	---	---	---	12.78	12.51
22	---	---	---	---	---	---	---	---	---	---	12.76	12.50
23	---	---	---	---	---	---	---	---	---	---	12.74	12.50
24	---	---	---	---	---	---	---	---	---	---	12.77	12.49
25	---	---	---	---	---	---	---	---	---	---	12.76	12.55
26	---	---	---	---	---	---	---	---	---	---	12.75	12.55
27	---	---	---	---	---	---	---	---	---	---	12.73	12.52
28	---	---	---	---	---	---	---	---	---	---	12.71	12.50
29	---	---	---	---	---	---	---	---	---	---	12.67	12.50
30	---	---	---	---	---	---	---	---	---	---	12.65	12.52
31	---	---	---	---	---	---	---	---	---	---	12.65	---
MEAN	---	---	---	---	---	---	---	---	---	---	12.63	12.47
MAX	---	---	---	---	---	---	---	---	---	---	12.82	12.63
MIN	---	---	---	---	---	---	---	---	---	---	12.48	12.33
MED	---	---	---	---	---	---	---	---	---	---	12.61	12.50

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 September 2001.

GAGE.--Nonrecording gage read once monthly. Datum of gage is sea level.

REMARKS.--Records excellent.

EXTREMES FOR CURRENT PERIOD.--July 2001 to September 2001: Maximum elevation observed, 3.49 ft, Aug. 22; minimum observed, 3.10 ft, Sept. 24.

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

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
JUL 30	3.22	AUG 22	3.49	SEP 24	3.10

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 September 2001.

GAGE.--Nonrecording gage read once monthly. Datum of gage is sea level.

REMARKS.--Records fair. During spring and fall, pond is opened to Atlantic Ocean to regulate stage for fisheries management, flood control, and sanitary improvement.

EXTREMES FOR CURRENT PERIOD.--July 2001 to September 2001: Maximum elevation observed, 5.63 ft, Aug. 22; minimum observed, 5.23 ft, July 30.

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

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
JUL 30	5.23	AUG 22	5.63	SEP 24	5.61

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 September 2001.

GAGE.--Nonrecording gage read once monthly. Datum of gage is sea level.

REMARKS.--Records excellent.

EXTREMES FOR CURRENT PERIOD.--July 2001 to September 2001: Maximum elevation observed, 6.38 ft, Aug. 22; minimum observed, 5.98 ft, July 30.

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

DATE	ELEVATION	DATE	ELEVATION	DATE	ELEVATION
JUL 30	5.98	AUG 22	6.38	SEP 24	6.15

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 sea level. 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, 60 ft^3/s, Aug. 20, gage height, 1.64 ft; minimum, 17 ft^3/s, Dec. 13, gage height, 1.12 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

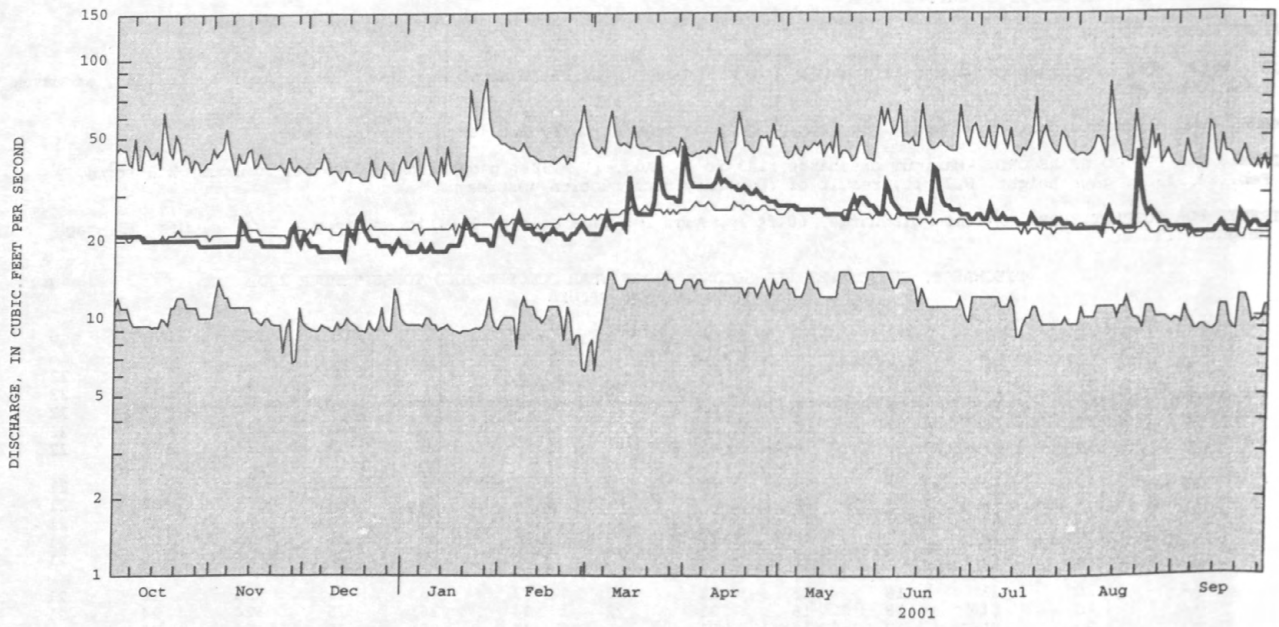
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	19	20	19	22	21	34	27	25	25	22	22
2	21	19	19	18	21	21	32	27	33	25	22	22
3	21	19	19	18	21	21	32	27	31	24	22	22
4	21	19	19	18	20	21	32	27	28	24	22	22
5	21	19	18	18	23	23	32	26	27	27	22	22
6	21	19	18	19	25	25	32	26	26	25	22	21
7	21	19	18	18	23	23	32	26	25	24	22	21
8	21	19	18	18	22	22	32	26	25	24	22	21
9	21	19	18	19	22	23	33	26	25	25	21	21
10	20	24	18	18	22	23	36	26	25	24	24	21
11	20	23	18	18	21	23	33	26	25	24	26	21
12	20	21	18	18	21	22	34	26	25	24	24	21
13	20	20	17	18	21	35	33	26	29	24	23	21
14	20	20	22	18	20	29	32	25	26	23	23	22
15	20	20	21	19	21	26	32	25	25	23	22	23
16	20	20	20	19	21	25	31	25	25	23	22	22
17	20	19	24	19	22	25	31	25	38	23	22	21
18	20	19	25	19	21	25	32	25	37	25	22	21
19	20	19	22	21	21	25	31	25	31	24	22	21
20	20	19	21	24	21	25	30	24	28	23	44	21
21	20	19	20	23	20	28	30	24	27	23	32	25
22	20	19	20	21	20	42	31	27	27	23	27	24
23	20	19	20	21	21	34	30	29	26	23	25	23
24	20	19	19	20	21	30	29	27	26	23	26	22
25	20	19	19	20	22	29	29	29	26	23	25	23
26	20	22	19	20	23	29	28	29	25	24	24	23
27	20	23	19	20	22	29	28	28	25	24	23	22
28	19	20	18	19	21	28	28	27	25	23	23	22
29	19	19	19	19	---	28	27	27	24	23	23	22
30	19	21	20	23	---	46	27	26	24	23	22	23
31	19	---	19	24	---	40	---	25	---	22	22	---
TOTAL	625	595	605	606	601	846	933	814	814	737	743	658
MEAN	20.2	19.8	19.5	19.5	21.5	27.3	31.1	26.3	27.1	23.8	24.0	21.9
MAX	21	24	25	24	25	46	36	29	38	27	44	25
MIN	19	19	17	18	20	21	27	24	24	22	21	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

MEAN	21.8	22.1	22.6	23.4	24.5	25.9	27.0	26.4	25.2	23.4	23.0	22.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	7693		8577			
ANNUAL MEAN	21.0		23.5		24.0	
HIGHEST ANNUAL MEAN					37.7	1979
LOWEST ANNUAL MEAN					12.9	1967
HIGHEST DAILY MEAN	39	Apr 22	46	Mar 30	84	Jan 26 1978
LOWEST DAILY MEAN	17	Jan 14	17	Dec 13	6.2	Feb 28 1967
ANNUAL SEVEN-DAY MINIMUM	18	Dec 7	18	Dec 7	7.4	Feb 25 1967
10 PERCENT EXCEEDS	24		29		34	
50 PERCENT EXCEEDS	20		22		23	
90 PERCENT EXCEEDS	18		19		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 sea level.

REMARKS.--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, 64 ft^3/s, Mar. 30, gage height, 2.20 ft; minimum, 4.0 ft^3/s, Sept. 28, gage height, 0.34 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	11	11	13	12	13	14	13	11	9.4	10
2	11	11	11	11	13	12	13	12	16	11	9.3	10
3	11	11	11	11	13	12	13	11	13	10	9.0	9.8
4	11	11	11	11	13	12	13	11	13	11	9.0	9.4
5	11	11	11	11	13	12	13	11	13	11	8.8	10
6	11	11	11	12	14	13	13	11	13	11	8.6	10
7	11	11	11	12	13	12	13	10	13	10	8.4	9.8
8	11	11	11	12	13	12	14	13	13	11	8.0	9.6
9	11	11	11	12	13	12	14	14	13	11	8.3	9.0
10	11	13	11	12	13	12	14	14	13	10	9.3	8.3
11	11	11	11	11	13	12	14	14	13	10	9.9	9.4
12	11	11	11	11	13	11	14	14	12	10	9.9	9.4
13	11	11	11	12	13	16	14	14	12	10	10	9.5
14	11	11	13	11	13	12	14	13	12	10	9.8	11
15	11	11	11	12	13	12	14	13	12	10	9.5	10
16	11	11	11	12	13	12	14	13	12	9.8	9.2	9.7
17	11	11	14	12	13	11	14	13	21	9.9	9.0	9.4
18	11	11	13	12	12	11	14	13	14	10	8.5	9.4
19	11	11	12	13	e12	11	13	13	12	10	8.3	8.2
20	11	11	12	14	e12	11	13	13	11	9.8	23	9.0
21	11	11	11	13	e12	14	14	13	11	9.8	12	10
22	11	11	11	12	12	15	14	15	11	9.8	11	9.5
23	11	11	11	12	12	12	14	14	11	9.8	11	9.3
24	11	11	11	12	12	12	14	13	11	9.7	11	9.0
25	11	11	11	12	12	12	14	13	11	9.4	11	9.1
26	11	13	11	12	12	12	14	13	11	9.7	10	8.7
27	11	12	11	12	12	12	14	14	11	9.8	10	8.5
28	11	11	11	12	12	12	14	14	11	9.8	9.8	7.7
29	11	11	11	12	---	12	14	14	11	9.4	10	9.7
30	11	12	12	14	---	19	14	13	11	9.7	9.8	10
31	11	---	12	13	---	14	---	13	---	9.8	9.8	---
TOTAL	341	336	352	371	354	386	411	403	374	313.2	310.6	282.4
MEAN	11.0	11.2	11.4	12.0	12.6	12.5	13.7	13.0	12.5	10.1	10.0	9.41
MAX	11	13	14	14	14	19	14	15	21	11	23	11
MIN	11	11	11	11	12	11	13	10	11	9.4	8.0	7.7

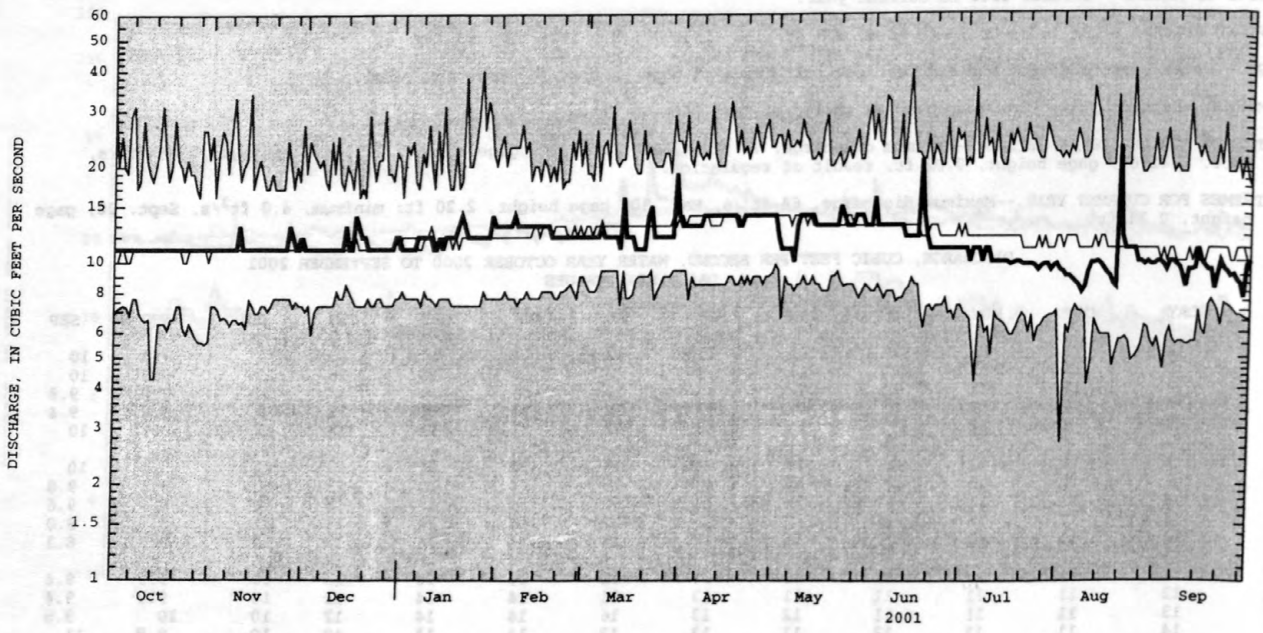
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	11.1	11.3	11.6	12.2	12.6	13.4	14.1	13.8	13.2	12.1	11.6	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	8.01	7.25	6.16	7.30
(WY)	1989	1966	1967	1967	1967	1966	1966	1995	1981	1995	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	4246.8		4234.2			
ANNUAL MEAN	11.6		11.6		12.3	
HIGHEST ANNUAL MEAN					18.5	1984
LOWEST ANNUAL MEAN					8.59	1995
HIGHEST DAILY MEAN	23	Jun 6	23	Aug 20	40	Jan 26 1978
LOWEST DAILY MEAN	8.4	Aug 13	7.7	Sep 28	2.7	Aug 2 1997
ANNUAL SEVEN-DAY MINIMUM	9.4	Mar 3	8.6	Aug 3	5.5	Aug 18 1995
10 PERCENT EXCEEDS	13		14		16	
50 PERCENT EXCEEDS	11		11		12	
90 PERCENT EXCEEDS	9.8		9.7		8.9	

e Estimated

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 01306499.

DRAINAGE AREA.--About 12 mi^2.

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

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 29.93 ft above sea level.

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, 0.30 ft^3/s, part or all of each day Sept. 3-17, 1995, gage height 0.11 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21 ft^3/s, Mar. 30, gage height, 1.13 ft; minimum, 2.0 ft^3/s, part of each day Sept. 13, 18-20, gage height, 0.28 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

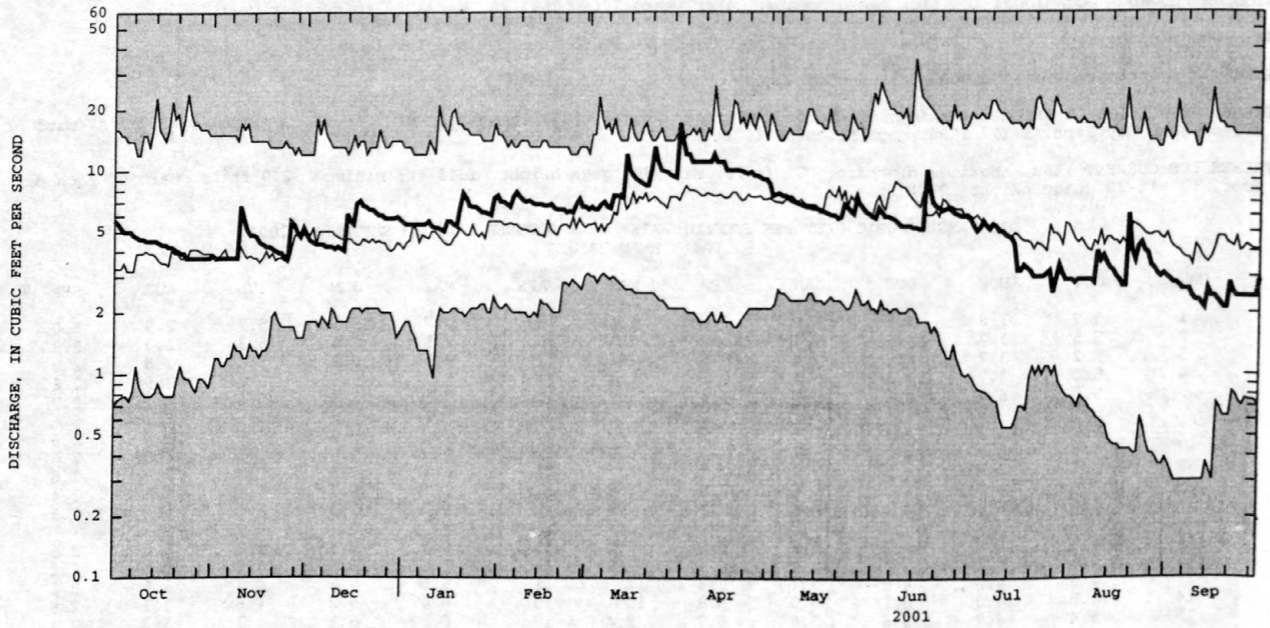
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	3.8	4.8	5.5	7.0	6.4	12	7.7	5.8	5.7	2.9	3.0
2	5.5	3.7	4.5	5.4	7.0	6.6	12	7.5	6.5	5.3	2.9	2.9
3	5.2	3.7	4.4	5.4	6.8	6.4	11	7.5	6.2	5.0	2.8	2.8
4	5.0	3.7	4.3	5.4	6.6	6.4	11	7.3	5.9	5.2	2.9	2.8
5	5.0	3.7	4.3	5.4	7.4	6.8	11	7.1	5.9	5.6	2.9	2.7
6	5.0	3.7	4.3	5.4	7.8	7.0	11	7.0	5.8	5.3	2.9	2.6
7	4.8	3.7	4.2	5.4	7.4	6.6	11	6.9	5.7	5.1	2.9	2.6
8	4.7	3.7	4.2	5.4	7.1	6.5	11	6.8	5.5	5.4	2.9	2.6
9	4.6	3.7	4.2	5.6	7.0	7.5	11	6.7	5.3	5.3	2.8	2.4
10	4.6	6.7	4.1	5.3	7.1	7.5	12	6.6	5.3	5.0	4.0	2.3
11	4.5	5.8	4.2	5.2	6.9	7.4	11	6.6	5.3	5.0	3.6	2.3
12	4.5	5.1	4.1	5.2	6.8	7.3	11	6.5	5.3	4.8	3.8	2.2
13	4.5	4.8	4.0	5.1	6.8	12	11	6.5	5.2	4.7	3.5	2.1
14	4.5	4.8	6.1	5.0	6.8	10	10	6.4	5.2	4.6	3.3	2.6
15	4.4	4.7	5.6	5.6	6.7	9.4	10	6.3	5.1	4.3	3.2	2.4
16	4.3	4.4	5.4	5.6	6.7	9.0	10	6.2	5.1	3.2	3.0	2.4
17	4.3	4.3	6.9	5.4	6.8	8.8	10	6.1	10	3.2	2.9	2.3
18	4.2	4.2	7.1	5.3	6.5	8.6	10	6.0	8.1	3.4	2.7	2.2
19	4.2	4.2	6.7	6.5	6.4	8.4	9.9	6.0	6.9	3.3	2.7	2.1
20	4.1	4.1	6.6	7.7	6.4	8.4	9.7	5.8	6.6	3.2	6.1	2.1
21	4.0	4.0	6.4	7.3	6.4	10	9.6	5.9	6.5	3.0	4.0	2.8
22	3.9	3.9	6.4	6.7	6.2	13	9.8	6.8	6.3	3.0	3.6	2.5
23	3.9	3.9	6.2	6.6	6.3	11	9.4	6.6	6.4	3.0	4.2	2.4
24	3.7	3.7	6.0	6.6	6.2	10	9.4	6.3	6.5	3.0	4.4	2.4
25	3.7	3.7	6.0	6.4	6.8	9.9	9.2	6.1	6.3	3.1	4.0	2.4
26	3.7	5.6	5.8	6.2	7.2	9.8	9.0	7.2	6.1	3.2	3.9	2.4
27	3.7	5.4	5.8	6.2	6.6	9.5	9.0	6.8	6.0	2.5	3.4	2.4
28	3.7	4.9	5.8	6.1	6.6	9.3	8.6	6.5	5.9	2.9	3.3	2.4
29	3.7	4.7	5.8	6.0	---	9.2	7.5	6.2	5.9	3.4	3.1	2.4
30	3.7	5.2	5.9	7.3	---	17	7.6	6.1	5.9	3.1	3.0	2.9
31	3.7	---	5.7	7.5	---	14	---	5.9	---	2.9	3.1	---
TOTAL	135.0	131.5	165.8	183.7	190.3	279.7	304.7	203.9	182.5	125.7	104.7	74.4
MEAN	4.35	4.38	5.35	5.93	6.80	9.02	10.2	6.58	6.08	4.05	3.38	2.48
MAX	5.7	6.7	7.1	7.7	7.8	17	12	7.7	10	5.7	6.1	3.0
MIN	3.7	3.7	4.0	5.0	6.2	6.4	7.5	5.8	5.1	2.5	2.7	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2001, BY WATER YEAR (WY)

MEAN	5.07	5.27	5.86	5.80	6.09	7.10	8.25	7.85	7.72	5.86	5.49	5.04
MAX	14.3	14.0	13.4	14.7	13.1	15.0	14.9	14.7	17.8	18.8	15.6	16.0
(WY)	1991	1991	1991	1991	1991	1991	1984	1984	1984	1984	1984	1984
MIN	.93	1.69	1.98	2.16	2.53	2.67	1.95	2.33	1.99	.94	.62	.55
(WY)	1989	1982	1996	1989	1989	1995	1995	1995	1988	1988	1988	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1978 - 2001	
ANNUAL TOTAL	1983.3		2081.9			
ANNUAL MEAN	5.42		5.70		6.17	
HIGHEST ANNUAL MEAN					12.3	1984
LOWEST ANNUAL MEAN					2.17	1995
HIGHEST DAILY MEAN	15	Jun 6	17	Mar 30	35	Jun 13 1998
LOWEST DAILY MEAN	3.4	Feb 13	2.1	Sep 13	.30	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	3.5	Mar 4	2.3	Sep 13	.30	Sep 4 1995
10 PERCENT EXCEEDS	7.2		9.4		12	
50 PERCENT EXCEEDS	5.2		5.5		5.3	
90 PERCENT EXCEEDS	3.7		2.9		2.1	

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 01306499.

DRAINAGE AREA.--About 18 mi^2.

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

GAGE.--Water-stage recorder and wooden stoplog control. Datum of gage is 15.10 ft above sea level.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155 ft^3/s, June 13, 1998, gage height, 3.89 ft; minimum recorded, 11 ft^3/s, part or all of each day Aug. 7-14, Sept. 29 to Oct. 2, 1988, Aug. 4-5, Aug. 21 to Sept. 17, 1995, but may have been less during period of estimated record, Aug. 15 to Sept. 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 87 ft^3/s, Mar. 30, gage height, 3.24 ft; minimum, 14 ft^3/s, part or all of each day Aug. 8-10, 19, 20, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

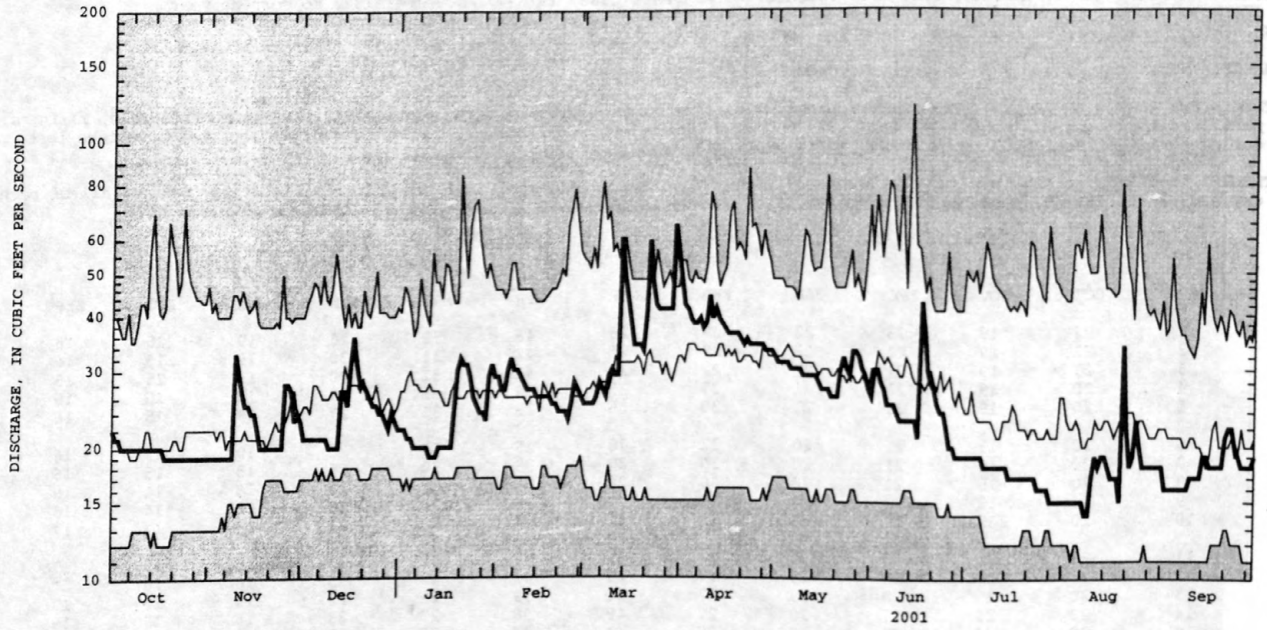
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	19	23	22	29	25	48	32	26	19	15	18
2	21	19	21	22	29	25	42	31	30	19	15	16
3	21	19	21	22	27	25	41	31	30	19	15	16
4	20	19	21	21	27	25	39	31	28	19	15	16
5	20	19	21	21	30	26	38	31	27	19	15	16
6	20	19	21	20	32	28	38	30	25	19	15	16
7	20	19	21	20	30	27	39	30	25	18	15	16
8	20	19	21	20	30	26	37	30	25	18	14	16
9	20	19	21	20	29	29	38	30	24	18	14	16
10	20	33	20	20	28	30	44	29	23	18	17	17
11	20	30	20	19	27	29	39	29	23	18	19	17
12	20	27	20	19	27	29	41	29	23	18	18	17
13	20	25	20	19	27	60	39	29	23	18	19	17
14	20	25	27	20	26	49	38	29	23	18	19	19
15	20	24	27	20	26	43	37	28	23	17	18	19
16	20	24	25	20	26	38	36	27	21	17	17	18
17	20	22	31	20	26	34	36	27	43	17	17	18
18	19	20	36	20	26	34	36	27	37	17	17	18
19	19	20	31	24	25	34	36	26	30	17	15	18
20	19	20	28	30	25	33	35	26	28	17	34	18
21	19	20	28	32	24	40	34	26	27	17	22	21
22	19	20	27	31	24	59	35	30	25	17	18	22
23	19	20	26	31	24	47	34	32	24	17	19	22
24	19	20	25	29	23	42	34	30	24	16	23	20
25	19	20	25	26	25	41	34	29	22	16	20	19
26	19	28	24	25	28	41	34	33	20	16	18	18
27	19	28	24	24	27	41	34	33	20	16	18	18
28	19	27	23	24	26	41	33	32	19	15	18	18
29	19	23	22	23	---	41	33	30	19	15	18	18
30	19	24	24	29	---	64	33	29	19	15	18	19
31	19	---	23	31	---	55	---	27	---	15	18	---
TOTAL	610	671	747	724	753	1161	1115	913	756	535	553	537
MEAN	19.7	22.4	24.1	23.4	26.9	37.5	37.2	29.5	25.2	17.3	17.8	17.9
MAX	22	33	36	32	32	64	48	33	43	19	34	22
MIN	19	19	20	19	23	25	33	26	19	15	14	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2001, BY WATER YEAR (WY)

MEAN	22.4	24.1	26.9	27.7	28.1	30.9	32.7	30.8	29.9	24.2	23.7	22.1
MAX	43.0	38.8	37.0	45.4	49.4	52.0	48.6	44.1	46.2	47.8	43.5	37.2
(WY)	1991	1990	1990	1979	1979	1979	1983	1979	1984	1984	1979	1984
MIN	13.0	17.1	17.9	17.8	17.4	15.5	15.5	15.7	15.1	13.5	11.5	12.3
(WY)	1989	1988	1996	1995	1995	1995	1995	1995	1995	1988	1988	1988

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1978 - 2001	
ANNUAL TOTAL	10379		9075			
ANNUAL MEAN	28.4		24.9		26.7	
HIGHEST ANNUAL MEAN					39.8	1979
LOWEST ANNUAL MEAN					15.5	1995
HIGHEST DAILY MEAN	86	Apr 22	64	Mar 30	121	Jun 13 1998
LOWEST DAILY MEAN	19	Oct 18	14	Aug 8	11	Aug 7 1988
ANNUAL SEVEN-DAY MINIMUM	19	Oct 18	15	Aug 3	11	Aug 7 1988
10 PERCENT EXCEEDS	40		36		40	
50 PERCENT EXCEEDS	26		23		26	
90 PERCENT EXCEEDS	20		17		17	

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 sea level. 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 sea level. Prior to Aug. 10, 1965, at datum 1.0 ft higher.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 91 ft^3/s, Mar. 30; minimum daily, 24 ft^3/s, Aug. 8, 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

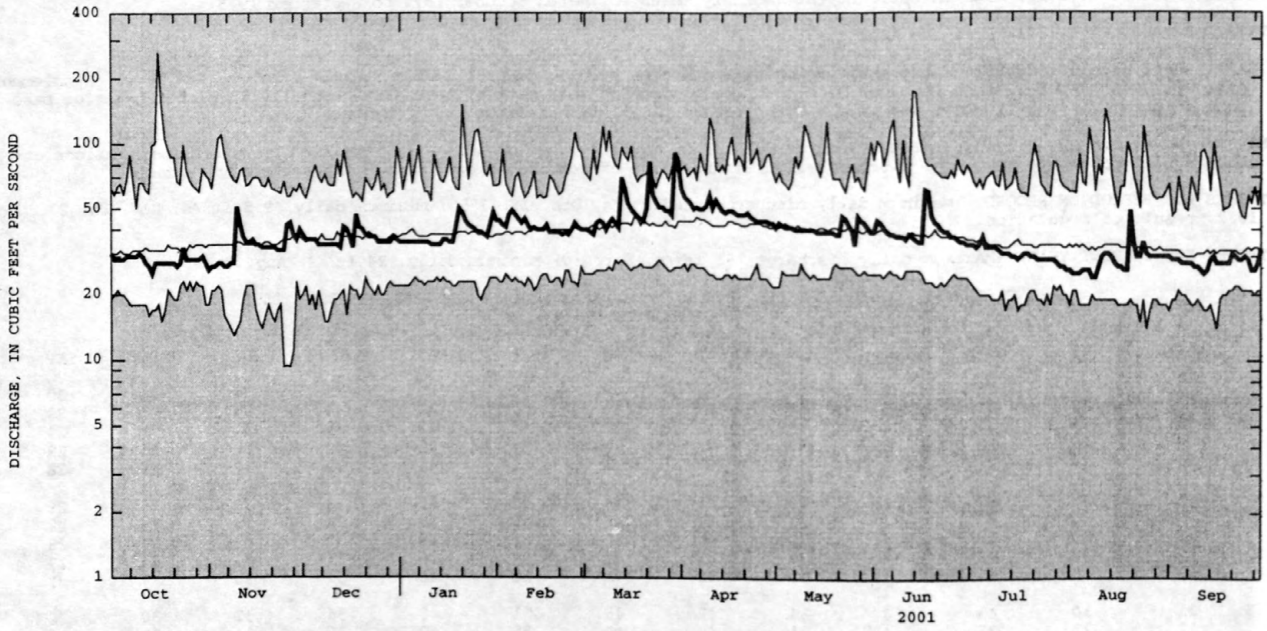
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	26	38	35	44	40	62	41	39	34	26	30
2	29	27	36	35	44	40	57	43	44	34	25	29
3	29	27	36	35	42	39	55	42	43	33	25	29
4	29	28	36	35	41	38	53	41	41	34	25	29
5	29	28	36	35	47	43	50	41	39	37	26	28
6	30	27	34	35	49	44	51	41	38	33	26	28
7	30	27	34	35	47	43	50	40	38	33	26	28
8	30	28	34	35	45	40	50	40	37	33	24	28
9	30	28	34	35	43	43	52	40	37	33	24	27
10	31	51	34	35	45	45	58	40	37	32	27	27
11	30	43	34	34	42	43	51	40	36	31	30	26
12	28	37	34	34	40	41	55	40	38	31	31	25
13	27	35	33	34	41	70	52	40	37	31	31	26
14	25	35	41	34	40	62	49	39	36	30	30	29
15	28	36	40	36	40	53	48	39	35	30	28	30
16	28	34	37	36	40	50	49	39	35	29	27	28
17	28	34	33	35	42	48	49	39	61	30	27	28
18	28	33	47	35	39	46	48	39	60	31	26	28
19	28	33	41	41	39	45	47	39	46	31	26	28
20	28	33	40	50	39	44	47	38	43	30	49	28
21	28	33	38	48	39	50	47	38	42	30	35	31
22	27	33	37	44	38	83	48	46	40	29	30	30
23	28	32	37	42	39	58	46	45	39	29	30	29
24	33	32	37	41	38	54	45	42	39	29	35	29
25	29	32	35	40	40	51	44	40	37	29	31	30
26	29	42	35	39	43	51	44	34	37	29	30	29
27	29	43	35	39	41	49	44	46	36	29	30	26
28	29	38	35	38	40	49	44	44	35	28	30	26
29	29	36	35	37	---	47	43	43	35	27	30	28
30	30	40	37	42	---	91	43	41	34	27	30	32
31	28	---	36	48	---	83	---	39	---	26	30	---
TOTAL	895	1011	1129	1177	1167	1583	1481	1259	1194	952	900	849
MEAN	28.9	33.7	36.4	38.0	41.7	51.1	49.4	40.6	39.8	30.7	29.0	28.3
MAX	33	51	47	50	49	91	62	46	61	37	49	32
MIN	25	26	33	34	38	38	43	34	34	26	24	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	33.6	36.0	38.0	39.2	40.4	43.7	44.6	42.5	40.4	35.8	34.5	33.0
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	29.4	25.8	28.2	25.6	20.0	19.5	21.2
(WY)	1967	1983	1967	1967	1967	1966	1966	1966	1988	1966	1966	1986

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	13743		13597			
ANNUAL MEAN	37.5		37.3		38.5	
HIGHEST ANNUAL MEAN					52.5	1984
LOWEST ANNUAL MEAN					24.9	1966
HIGHEST DAILY MEAN	143	Apr 22	91	Mar 30	263	Oct 16 1955
LOWEST DAILY MEAN	25	Oct 14	24	Aug 8	9.3	Nov 25 1982
ANNUAL SEVEN-DAY MINIMUM	26	Mar 3	25	Aug 3	13	Nov 22 1982
10 PERCENT EXCEEDS	48		48		52	
50 PERCENT EXCEEDS	35		36		37	
90 PERCENT EXCEEDS	28		28		27	

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). WRD NY 1974: 1970 (P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft above sea level. 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 poor. 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, gage height, 0.26 ft, result of regulation; minimum gage height, 0.13 ft, June 28, 1963, datum then in use.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	0545	103	1.74	June 17	1145	*129	*2.00
Mar. 21	2315	108	1.79	Aug. 20	0145	95	1.64
Mar. 30	1100	111	1.80				

Minimum discharge, 1.5 ft^3/s, Aug. 9, 10, gage height, 0.24 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

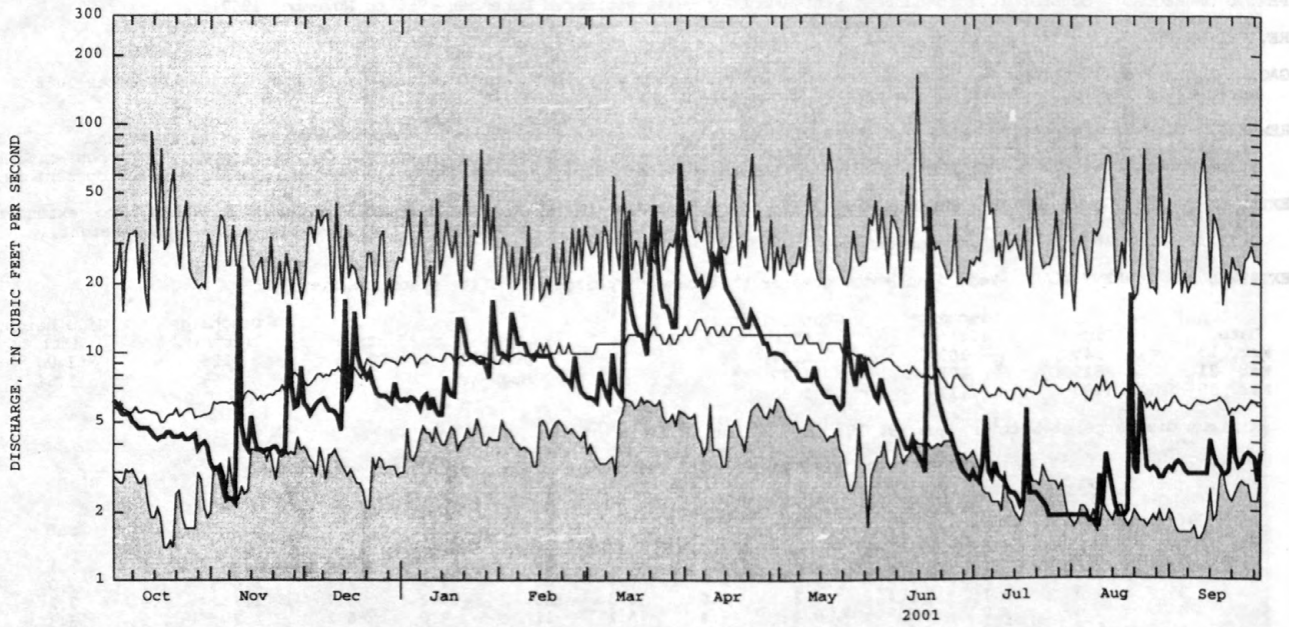
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	3.3	6.0	6.2	10	6.4	30	9.9	6.2	3.0	1.9	3.1
2	6.0	3.1	5.8	6.3	10	6.4	26	9.7	7.7	2.8	1.9	3.0
3	5.6	3.1	5.4	6.2	9.6	6.3	23	9.2	6.7	2.7	1.9	3.2
4	5.4	3.2	5.7	6.4	9.4	6.1	21	9.0	6.2	3.2	1.9	3.3
5	5.4	2.9	6.0	6.3	15	8.3	20	8.6	5.7	5.3	1.9	3.2
6	5.4	2.4	6.2	6.1	13	7.3	21	8.3	5.2	3.0	1.9	3.0
7	5.0	2.3	6.3	5.7	11	6.6	18	7.8	4.8	2.8	1.8	2.9
8	4.9	2.3	5.9	6.4	11	6.2	19	7.6	4.5	3.3	1.8	2.9
9	4.7	2.2	5.6	6.6	11	10	22	7.6	4.1	2.9	1.7	2.9
10	4.7	24	5.6	5.7	10	7.1	26	7.6	3.8	2.8	2.9	2.9
11	4.7	4.8	5.5	6.4	9.7	6.7	24	7.6	3.8	2.7	2.1	2.9
12	4.7	4.0	5.2	5.7	9.4	6.4	29	8.7	4.2	2.5	3.6	2.9
13	4.5	3.8	4.6	5.4	10	38	22	7.4	3.7	2.4	3.0	2.9
14	4.3	5.3	17	5.4	9.7	18	19	7.0	3.5	2.4	2.5	4.1
15	4.2	4.3	6.5	7.9	9.7	15	18	6.6	3.3	2.3	2.1	3.5
16	4.3	3.8	6.9	6.9	9.7	13	17	6.4	3.0	2.1	1.9	3.2
17	4.3	3.8	15	6.6	9.8	12	16	6.4	43	2.2	1.9	3.1
18	4.5	3.7	9.9	6.5	8.9	12	15	6.4	18	5.7	1.9	2.9
19	4.5	3.8	8.7	14	8.6	11	14	6.0	8.8	2.4	2.0	2.9
20	4.3	3.8	8.3	14	8.4	9.8	13	5.7	6.3	2.4	18	3.0
21	4.3	3.9	7.8	12	8.1	27	13	5.9	5.6	2.4	3.1	5.2
22	4.3	3.9	8.3	10	7.7	44	15	14	5.0	2.3	2.9	3.4
23	4.4	3.7	7.3	9.6	7.6	27	14	9.9	4.5	2.2	6.7	3.1
24	4.2	3.6	6.7	9.6	7.2	19	13	8.1	4.4	2.1	4.4	3.2
25	4.2	3.7	6.5	9.3	9.7	16	12	7.2	3.9	1.9	3.1	3.5
26	4.3	16	6.5	9.1	7.7	16	11	9.6	3.5	1.9	3.0	3.6
27	4.4	7.1	6.5	9.3	6.8	15	11	8.3	3.2	1.9	3.1	3.5
28	3.8	5.8	6.3	8.5	6.6	13	9.9	9.1	3.0	1.9	3.0	3.4
29	4.0	5.9	6.1	7.8	---	13	10	7.9	2.9	1.9	2.8	2.7
30	4.1	8.7	7.4	17	---	67	10	7.2	2.8	1.9	2.8	3.6
31	3.9	---	6.4	12	---	41	---	6.5	---	1.9	3.0	---
TOTAL	143.5	152.2	221.9	254.9	265.3	510.6	531.9	247.2	191.3	81.2	96.5	97.0
MEAN	4.63	5.07	7.16	8.22	9.47	16.5	17.7	7.97	6.38	2.62	3.11	3.23
MAX	6.2	24	17	17	15	67	30	14	43	5.7	18	5.2
MIN	3.8	2.2	4.6	5.4	6.6	6.1	9.9	5.7	2.8	1.9	1.7	2.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2001, BY WATER YEAR (WY)

MEAN	7.07	7.92	9.14	10.0	10.6	12.3	13.3	11.5	9.98	8.35	7.73	7.14
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	3.32	4.31	3.91	5.13	4.86	6.77	5.98	5.08	4.70	2.62	2.01	3.23
(WY)	1998	1951	1999	1981	2000	1995	1966	1995	1986	2001	1995	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 2001	
ANNUAL TOTAL	2788.4		2793.5			
ANNUAL MEAN	7.62		7.65		9.64	
HIGHEST ANNUAL MEAN					15.4	1984
LOWEST ANNUAL MEAN					5.14	1995
HIGHEST DAILY MEAN	74	Apr 22	67	Mar 30	164	Jun 13 1998
LOWEST DAILY MEAN	2.2	Nov 9	1.7	Aug 9	1.4	Oct 17 1995
ANNUAL SEVEN-DAY MINIMUM	2.6	Nov 3	1.8	Aug 3	1.6	Sep 5 1995
10 PERCENT EXCEEDS	13		15		16	
50 PERCENT EXCEEDS	5.9		5.9		8.4	
90 PERCENT EXCEEDS	3.8		2.4		4.4	

01308000 SAMPAWAMS CREEK 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.

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. WRD NY 1972: 1947 (m), 1952 (m), 1954 (m), 1958 (m) 1960- 63 (m).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. 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, 1965, Aug. 29, 1972, result of regulation, Jan. 18, 2000, result of freezeup; minimum gage height, 0.03 ft, July 8, 1966, Aug. 28, 1972, result of regulation, Jan. 18, 2000, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 208 ft^3/s, Mar. 30, gage height, 1.96 ft; minimum, 7.5 ft^3/s, part of each day Sept. 11-14, gage height 0.37 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

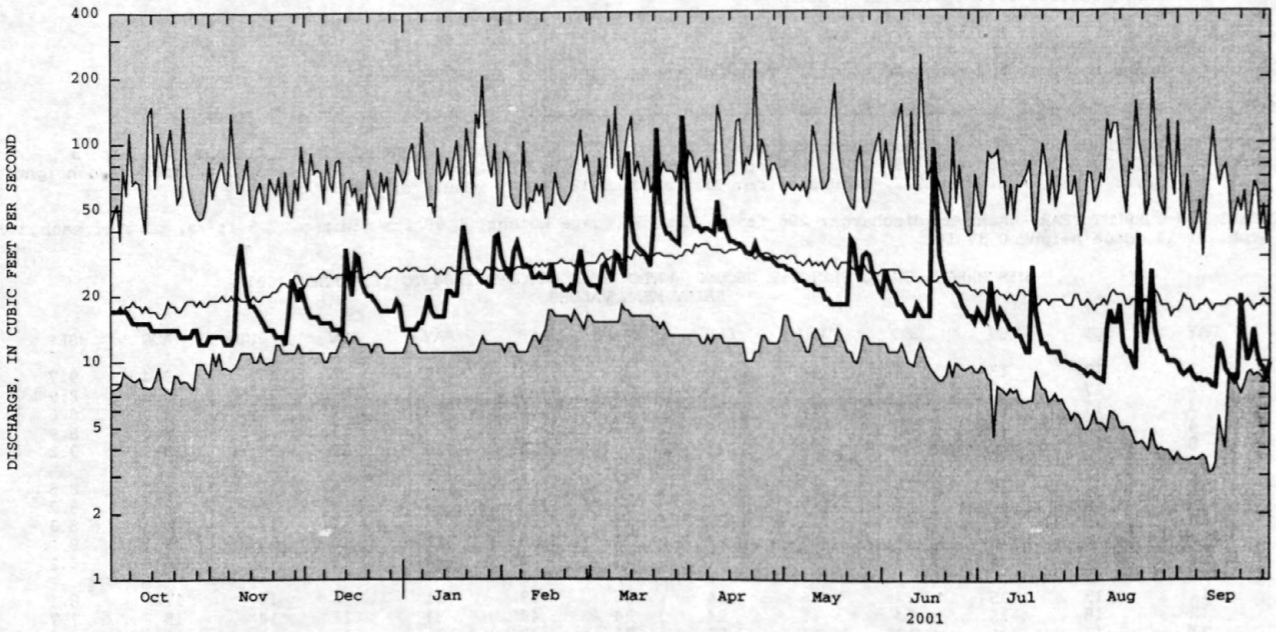
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	13	19	14	30	22	53	27	20	17	9.4	9.7
2	17	13	17	14	27	22	46	26	26	16	9.2	8.9
3	17	13	16	14	25	22	41	26	23	15	9.0	8.6
4	17	13	16	14	24	21	41	25	21	16	8.6	8.9
5	17	13	16	14	32	27	39	24	20	23	8.9	9.2
6	17	12	15	15	35	28	40	23	18	17	8.7	8.5
7	16	12	15	15	31	25	40	23	18	15	8.4	8.2
8	15	12	15	17	27	23	39	22	17	17	8.3	8.3
9	15	13	15	20	27	31	38	22	16	16	8.1	8.1
10	15	28	14	17	27	30	54	22	16	15	14	8.2
11	15	35	14	16	24	26	39	21	16	14	17	8.1
12	15	25	14	16	24	24	44	21	18	14	15	7.7
13	15	20	13	16	25	91	38	21	17	13	15	7.6
14	14	18	33	16	24	44	35	19	16	13	18	12
15	14	18	25	21	24	35	35	19	16	12	12	11
16	14	17	20	21	24	33	34	18	16	11	11	9.2
17	14	16	31	20	28	32	34	18	94	11	11	8.7
18	14	15	30	20	22	31	33	18	58	27	9.9	8.4
19	14	14	23	31	22	29	31	18	30	17	9.2	8.0
20	14	14	21	42	22	27	31	18	26	14	38	8.3
21	14	14	20	34	21	41	31	18	23	12	16	20
22	14	13	20	27	21	116	34	36	22	12	12	13
23	13	13	19	26	22	55	31	34	22	11	16	10
24	13	13	18	25	21	42	30	26	21	11	26	11
25	13	12	17	24	27	38	29	23	20	11	14	14
26	13	16	17	23	32	38	29	30	18	11	12	11
27	14	24	17	23	25	36	29	31	17	10	11	9.6
28	14	22	17	22	23	35	28	30	16	10	11	9.3
29	12	19	17	22	---	34	27	25	16	9.8	10	8.2
30	12	22	19	37	---	132	27	23	15	9.6	10	9.8
31	12	---	18	38	---	83	---	21	---	9.6	10	---
TOTAL	450	502	581	674	716	1273	1080	728	692	430.0	396.7	291.5
MEAN	14.5	16.7	18.7	21.7	25.6	41.1	36.0	23.5	23.1	13.9	12.8	9.72
MAX	17	35	33	42	35	132	54	36	94	27	38	20
MIN	12	12	13	14	21	21	27	18	15	9.6	8.1	7.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2001, BY WATER YEAR (WY)

MEAN	20.2	23.4	26.3	28.1	29.3	32.6	33.8	29.8	25.9	21.4	20.8	19.5
MAX	52.0	50.3	48.8	55.8	49.3	54.5	64.3	53.8	50.7	49.6	40.7	36.4
(WY)	1991	1956	1978	1978	1979	1979	1983	1989	1989	1984	1990	1960
MIN	10.5	11.3	12.3	13.6	15.1	16.9	13.2	13.7	11.2	7.96	5.22	8.30
(WY)	1996	1966	1966	1966	1967	1995	1966	1995	1995	1999	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 2001	
ANNUAL TOTAL	8285		7814.2			
ANNUAL MEAN	22.6		21.4		25.9	
HIGHEST ANNUAL MEAN					39.9	1978
LOWEST ANNUAL MEAN					13.1	1995
HIGHEST DAILY MEAN	235	Apr 22	132	Mar 30	251	Jun 13 1998
LOWEST DAILY MEAN	11	Feb 6	7.6	Sep 13	3.1	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	11	Feb 4	8.0	Sep 7	3.4	Sep 7 1995
10 PERCENT EXCEEDS	32		35		40	
50 PERCENT EXCEEDS	18		18		24	
90 PERCENT EXCEEDS	14		10		13	

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.

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 sea level (NGVD of 1929). January 1975 to November 1993, water-stage recorder at site 1100 ft west.

REMARKS.--Records excellent except those for periods of shoaling at gage orifice in November and September, which are good; and in October and December to February, which are fair. Satellite and telephone elevation telemeter at station. All data are collected, stored, and reported in Eastern Standard Time.

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, 5.25 ft, Mar. 7; minimum, -3.86 ft, Feb. 11.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.01	1.72	.89	-.29	.75	.62	1.40	.59	.97	.98	1.08	1.35
2	1.26	1.79	.69	.46	.91	1.05	1.13	.85	1.57	.78	1.08	1.41
3	1.33	1.71	.62	.61	.02	1.10	.88	.88	1.40	.94	.81	1.35
4	1.18	1.54	.58	.55	.69	1.39	.91	.83	1.05	1.11	1.04	1.34
5	1.22	1.25	.76	.93	1.35	2.20	.78	1.00	.96	1.27	1.08	1.16
6	1.42	1.35	.14	1.01	.17	1.85	.87	1.20	.93	1.02	.99	1.13
7	1.18	1.44	.35	.96	.11	2.78	1.08	.93	1.03	1.02	.90	1.06
8	.92	1.67	.85	1.09	.30	2.04	1.16	.69	1.02	1.15	.99	.97
9	1.10	1.73	.74	1.21	.87	1.60	1.06	.86	1.05	1.27	1.18	.88
10	1.10	2.23	.77	.42	.16	.60	1.05	1.04	1.05	1.29	.94	1.01
11	.10	1.68	1.00	.73	-1.04	.46	.89	.97	1.10	1.29	.83	.88
12	.67	1.71	.62	.61	-.21	.19	1.07	1.05	1.09	1.09	1.05	1.25
13	.68	1.45	.01	.94	.55	1.27	1.00	.92	1.04	.97	.96	1.36
14	.83	1.51	.91	.57	.77	.66	.79	.90	.86	.99	1.11	1.40
15	.79	.77	.41	.83	.77	.34	1.08	.98	.86	1.08	1.35	1.64
16	1.37	.48	1.02	.79	.86	.70	1.41	1.44	1.01	1.12	1.34	1.55
17	1.36	.40	1.65	.41	.50	.83	1.22	1.33	1.17	1.17	1.28	1.46
18	1.33	.34	-.71	.76	.13	.49	1.11	1.19	.80	1.30	1.21	1.48
19	.97	.57	.30	1.19	.51	.47	.51	1.20	.86	1.66	1.30	1.49
20	.83	.96	.38	1.40	.57	.62	.60	1.40	.84	1.47	1.41	1.56
21	.74	.44	.04	.99	.37	1.57	.65	1.30	.90	1.33	1.25	1.45
22	.80	-.06	.44	.74	.48	1.83	.41	1.56	1.23	1.23	1.06	1.31
23	.95	.31	-.02	.67	.84	1.06	.52	1.60	1.28	1.10	1.01	1.19
24	.89	.64	.19	1.06	.41	.68	.90	1.25	1.02	.95	1.18	1.44
25	.88	.78	-.73	1.02	1.00	.49	.60	1.25	.87	.77	1.37	1.57
26	1.17	1.81	-.57	.95	.64	.77	.90	1.06	.78	.99	1.35	.99
27	1.31	.94	-.09	.89	.48	.34	1.18	1.18	.77	1.11	1.28	1.04
28	1.28	.53	.16	.40	.56	.27	.84	1.21	.78	.94	1.32	1.21
29	1.15	.74	1.12	.83	---	.41	.47	1.18	1.23	1.05	1.28	1.94
30	1.13	.66	1.53	1.06	---	1.39	.29	.96	1.12	1.44	1.37	2.86
31	1.43	---	-.16	.93	---	.94	---	.68	---	1.31	1.52	---
MEAN	1.04	1.10	.45	.80	.48	1.00	.89	1.08	1.02	1.14	1.16	1.36
MAX	1.43	2.23	1.65	1.40	1.35	2.78	1.41	1.60	1.57	1.66	1.52	2.86
MIN	.10	-.06	-.73	-.29	-1.04	.19	.29	.59	.77	.77	.81	.88

CAL YR 2000 MEAN .94 MAX 2.32 MIN -.77
WTR YR 2001 MEAN .96 MAX 2.86 MIN -1.04

01310521 HUDSON BAY AT FREEPORT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	3.51	2.86	1.51	2.70	2.15	3.42	2.56	3.32	3.55	3.34	3.53
2	3.48	3.55	2.33	2.17	3.02	2.81	3.64	3.10	3.97	3.38	3.38	3.61
3	3.31	3.43	2.17	2.28	1.98	3.34	3.08	3.16	3.80	3.52	3.25	3.57
4	3.15	3.17	2.21	2.56	2.73	3.36	3.13	3.39	3.64	3.73	3.48	3.33
5	2.91	2.66	2.39	2.86	3.71	4.25	3.19	3.79	3.60	3.68	3.29	3.14
6	3.00	3.00	1.90	3.53	3.07	4.08	3.46	4.17	3.66	3.40	3.11	3.16
7	2.84	3.16	2.62	3.29	3.28	5.25	3.97	3.64	3.56	3.34	2.90	3.05
8	2.68	3.51	3.05	3.82	3.46	4.96	4.02	3.49	3.49	3.33	3.05	2.95
9	2.98	3.88	3.35	4.38	4.09	4.60	4.02	3.52	3.26	3.33	2.99	2.89
10	3.01	4.93	3.53	3.29	3.26	3.52	3.52	3.51	3.03	3.13	2.86	3.06
11	2.45	4.15	3.87	4.00	1.86	3.43	3.38	3.13	3.03	2.86	2.65	2.90
12	3.11	4.65	4.87	3.61	3.14	3.26	3.29	2.96	2.39	2.96	3.02	3.38
13	3.10	4.38	3.07	4.00	2.61	3.46	2.48	2.27	2.91	2.61	3.02	3.72
14	3.44	4.50	4.43	3.15	2.91	2.74	2.83	2.64	2.51	2.81	3.27	4.06
15	3.49	3.79	3.34	3.00	3.02	1.86	2.72	2.58	2.56	3.06	3.79	4.40
16	4.07	3.26	3.61	3.36	2.81	2.68	2.96	2.89	2.84	3.25	3.89	4.40
17	3.89	3.07	4.62	2.71	3.51	2.79	2.73	3.00	3.37	3.53	4.14	4.28
18	3.94	2.74	1.91	2.66	1.80	2.59	2.77	2.91	3.05	3.88	4.34	4.28
19	3.14	2.49	2.13	3.11	2.40	2.05	2.45	3.11	3.38	4.50	4.37	4.30
20	2.98	3.08	3.35	3.01	2.36	2.21	2.56	3.51	3.70	4.42	4.29	4.39
21	2.98	2.55	2.18	3.47	2.72	3.52	2.78	3.77	3.94	4.45	4.02	4.13
22	3.23	2.08	2.89	2.96	2.75	3.97	2.57	4.19	4.39	4.32	3.69	3.81
23	3.22	2.57	2.28	3.01	3.44	3.08	3.20	4.36	4.17	3.90	3.61	3.40
24	3.27	3.34	2.57	3.44	2.49	2.93	3.30	3.97	3.82	3.44	3.69	3.47
25	3.28	3.30	1.76	3.50	3.11	2.82	3.38	4.02	3.60	3.18	3.68	3.31
26	3.77	4.41	2.09	3.34	2.69	3.08	3.68	3.80	3.02	3.10	3.42	2.71
27	3.98	3.72	2.28	3.28	2.62	2.55	3.76	3.82	3.29	3.51	3.30	2.75
28	4.10	2.91	2.29	2.46	2.75	2.46	3.01	3.19	3.04	3.28	3.40	3.20
29	3.74	3.01	3.46	2.83	---	3.13	2.24	3.51	3.63	3.22	3.30	4.29
30	3.49	2.90	3.87	3.03	---	3.11	2.82	3.37	3.48	3.67	3.52	4.75
31	3.72	---	1.58	2.89	---	3.18	---	2.94	---	3.49	3.76	---
MEAN	3.33	3.39	2.87	3.11	2.87	3.20	3.15	3.36	3.38	3.48	3.48	3.61
MAX	4.10	4.93	4.87	4.38	4.09	5.25	4.02	4.36	4.39	4.50	4.37	4.75
MIN	2.45	2.08	1.58	1.51	1.80	1.86	2.24	2.27	2.39	2.61	2.65	2.71

CAL YR 2000 MEAN 3.27 MAX 4.93 MIN 1.19
WTR YR 2001 MEAN 3.27 MAX 5.25 MIN 1.51

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	3.23	2.31	.82	2.18	*---	3.02	2.48	2.74	2.54	2.47	2.91
2	2.91	*---	*---	1.81	2.44	2.62	2.68	2.74	3.22	1.98	2.62	3.28
3	*---	3.04	1.97	1.97	1.40	2.38	2.66	3.00	3.27	2.53	2.21	3.11
4	2.42	2.72	2.09	1.79	2.24	2.76	2.84	2.80	2.82	2.59	2.63	3.27
5	2.18	2.66	2.29	2.37	3.43	3.71	3.17	3.10	2.84	3.00	2.72	3.12
6	2.62	2.71	1.62	2.51	1.81	3.52	3.34	3.20	2.69	2.62	2.60	2.87
7	2.49	2.89	1.78	2.96	2.28	4.90	3.46	3.19	2.79	2.66	2.55	2.71
8	2.29	3.33	3.02	3.03	2.95	4.10	3.67	2.68	2.67	2.71	2.71	2.48
9	2.40	3.69	2.72	3.06	3.46	3.99	3.38	2.77	2.68	2.84	2.88	*---
10	2.79	3.77	2.78	3.17	1.92	3.34	3.30	2.74	2.51	2.89	2.45	2.41
11	1.97	3.86	3.26	2.81	1.46	2.75	2.78	2.53	2.42	*---	*---	2.09
12	2.76	3.54	.78	3.26	2.39	2.69	2.80	2.49	*---	2.78	2.56	2.28
13	2.93	3.52	2.68	3.11	*---	3.41	*---	*---	2.40	2.54	2.47	2.80
14	3.10	3.20	2.22	*---	2.44	2.17	2.10	2.24	2.39	2.43	2.29	2.75
15	2.85	2.35	2.76	2.88	2.17	*---	2.26	2.29	2.34	2.43	2.61	3.65
16	3.50	2.40	*---	2.49	1.92	2.17	2.64	2.76	2.41	2.43	2.89	3.86
17	3.15	*---	3.55	1.91	1.10	1.85	2.60	2.69	2.70	2.57	3.05	4.04
18	*---	2.09	.77	2.16	1.42	1.68	2.57	2.65	2.31	2.77	3.19	4.24
19	2.90	2.47	1.96	2.76	1.89	1.63	2.04	2.74	2.39	3.29	3.70	3.99
20	2.69	2.99	1.51	2.96	2.23	1.97	2.28	3.13	2.55	3.37	3.94	3.71
21	2.38	2.49	1.89	2.14	1.45	2.83	2.55	2.98	2.67	3.43	3.96	3.30
22	2.40	1.97	2.11	2.38	2.46	2.94	2.38	3.21	3.23	3.53	3.53	*---
23	2.82	2.39	1.86	2.44	2.01	2.83	2.38	3.32	3.33	3.46	3.18	3.01
24	3.11	2.59	2.19	2.72	2.46	2.48	2.89	3.17	3.16	3.42	*---	2.78
25	3.26	2.94	.90	2.36	3.10	2.61	2.52	3.22	3.08	*---	3.16	3.27
26	3.48	3.44	.55	2.63	2.23	2.79	2.74	2.91	*---	3.10	3.06	2.23
27	3.62	2.08	1.80	2.02	2.50	2.45	3.12	3.19	3.00	3.29	2.68	2.17
28	2.98	2.10	1.84	2.15	2.33	2.28	2.44	*---	2.94	2.56	2.56	2.58
29	2.76	2.28	2.63	2.54	---	2.19	*---	3.13	2.99	2.51	2.39	3.14
30	2.67	1.87	2.59	*---	---	*---	1.89	3.05	2.94	2.69	2.62	4.38
31	3.18	---	*---	2.62	---	2.33	---	2.84	---	2.76	2.94	---
MEAN	2.80	2.81	2.09	2.48	2.21	2.76	2.73	2.87	2.77	2.82	2.85	3.09
MAX	3.62	3.86	3.55	3.26	3.46	4.90	3.67	3.32	3.33	3.53	3.96	4.38
MIN	1.97	1.87	.55	.82	1.10	1.63	1.89	2.24	2.31	1.98	2.21	2.09

CAL YR 2000 MEAN 2.70 MAX 4.84 MIN .55
WTR YR 2001 MEAN 2.69 MAX 4.90 MIN .55

* Only a single high tide occurred

01310521 HUDSON BAY AT FREEPORT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.19	.07	-.39	-1.78	-.69	-1.13	-.13	-.91	-.90	-1.13	*---	-.65
2	-.39	.58	-.43	-.69	-.37	-.50	-.53	-1.31	-.77	*---	-.82	-.51
3	-.20	.68	-.48	-.64	-1.52	-.42	-1.20	-1.57	*---	-1.29	-1.20	-.75
4	-.10	.48	-.62	-.81	-1.12	-.18	-1.53	*---	-1.25	-1.06	-.85	-.63
5	-.04	.26	-.22	-.76	*---	.64	*---	-1.69	-1.27	-.64	-.87	-.71
6	.35	-.20	-1.53	-.80	-.99	.26	-1.91	-1.47	-1.35	-.96	-.85	-.80
7	-.01	-.20	-1.59	-1.41	-2.41	*---	-1.74	-1.36	-.92	-.79	-.84	-.62
8	-.38	-.05	-1.29	*---	-2.73	-.12	-1.58	-1.87	-.83	-.44	-.58	-.67
9	-.59	-.32	*---	-1.52	-2.06	-1.27	-1.56	-1.40	-.58	-.23	-.27	-.60
10	*---	*---	-1.93	-2.19	-1.73	-2.07	-1.38	-.87	-.38	-.13	-.61	-.52
11	-1.65	-.78	-1.80	-1.82	-3.54	-2.21	-1.30	-.72	.14	-.10	-.43	-.73
12	-1.59	-.88	-1.05	-2.16	-2.31	-2.48	-.76	-.34	-.07	-.30	-.36	-.44
13	-1.83	-1.13	-2.41	-1.52	-1.35	-.54	-.51	-.33	-.19	-.37	-.72	-.61
14	-1.61	-.81	-1.35	-1.64	-.83	-1.22	-.59	-.26	-.44	-.28	-.71	-.98
15	-1.74	-1.14	-1.78	-1.08	-.75	-1.34	.27	.13	-.41	-.48	-.65	*---
16	-.79	-1.62	-.56	-.79	-.49	-.66	.18	.30	-.54	-.69	*---	-1.20
17	-.79	-1.44	-.19	-1.19	-.64	-.48	-.20	-.27	-.78	-.90	-1.16	-1.43
18	-.57	-1.59	-2.97	-.77	-1.38	-.93	-.77	-.46	*---	*---	-1.64	-1.41
19	-.90	-1.50	-1.57	-.42	-1.26	-1.00	-1.38	*---	-1.37	-.79	-1.59	-1.12
20	-.79	-.77	-1.41	.22	*---	-.89	*---	-.67	-1.60	-1.00	-1.29	-.90
21	-1.02	-1.38	-1.92	-1.43	-1.16	*---	-1.39	-.96	-1.71	-1.40	-1.42	-.73
22	-1.02	-2.38	*---	*---	-1.85	.67	-1.59	-.82	-1.26	-1.55	-1.34	-.55
23	-1.16	*---	-2.11	-1.28	-.88	-.94	-1.84	-.78	-1.26	-1.49	-1.13	-.56
24	*---	-1.77	-2.04	-.94	-1.81	-1.25	-1.39	-1.04	-1.36	-1.28	-.64	.02
25	-1.72	-1.63	-2.12	-.83	-1.26	-1.73	-1.67	-1.07	-1.38	-1.25	-.21	.24
26	-1.43	-.07	-2.54	-1.15	-.99	-1.42	-1.31	-1.23	-1.17	-.64	-.30	-.41
27	-1.35	-.57	-1.99	-.93	-1.52	-1.95	-.85	-.79	-1.08	-.84	-.42	-.43
28	-.94	-1.58	-1.54	-1.66	-1.30	-1.91	-1.05	-.71	-1.05	-.71	-.39	-.50
29	-1.02	-1.14	-.57	-.93	---	-1.64	-1.15	-.72	-.61	-.71	-.48	*---
30	-.95	-.46	-.20	-.81	---	-.16	-1.47	-1.02	-1.16	-.41	*---	1.19
31	-.39	---	-1.16	-.33	---	-.71	---	-1.36	---	-.47	-.47	---
MEAN	-.89	-.76	-1.37	-1.11	-1.42	-.95	-1.08	-.88	-.91	-.77	-.79	-.61
MAX	.35	.68	-.19	.22	-.37	.67	.27	.30	.14	-.10	-.21	1.19
MIN	-1.83	-2.38	-2.97	-2.19	-3.54	-2.48	-1.91	-1.87	-1.71	-1.55	-1.64	-1.43

CAL YR 2000 MEAN -1.00 MAX .76 MIN -2.98
WTR YR 2001 MEAN -.96 MAX 1.19 MIN -3.54

* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.20	-.01	-.97	-2.01	-.91	-1.23	-.38	-1.64	-1.59	-1.26	-.88	-.68
2	-.87	.23	-.89	-1.34	-.67	-.72	-1.02	-1.41	-.96	-1.54	-1.01	-.97
3	-.28	.19	-.86	-1.19	-2.04	-.50	-1.28	-1.60	-1.13	-1.52	-1.33	-.93
4	-.18	.02	-1.00	-1.55	-1.54	-.38	-1.64	-1.94	-1.46	-1.36	-1.36	-.91
5	-.25	-.62	-1.55	-1.16	-1.04	-.34	-1.97	-1.84	-1.57	-1.00	-1.05	-1.10
6	-.37	-.48	-1.61	-1.76	-3.02	-.43	-2.03	-1.64	-1.55	-1.16	-1.22	-.97
7	-.79	-.36	-1.81	-1.52	-2.87	.40	-1.91	-1.81	-1.38	-1.23	-1.27	-1.03
8	-.97	-.70	-1.33	-1.61	-2.97	-.90	-1.75	-1.89	-1.32	-1.17	-1.23	-1.01
9	-.74	-.44	-1.72	-1.54	-2.42	-1.30	-1.77	-1.62	-1.13	-.81	-.81	-.99
10	-.72	-.20	-1.99	-2.47	-2.95	-2.52	-1.47	-1.27	-1.00	-.65	-.83	-.68
11	-2.32	-.91	-1.95	-2.33	-3.86	-2.31	-1.55	-1.13	-.99	-.64	-1.01	-.84
12	-2.10	-.89	-3.29	-2.42	-3.29	-2.80	-1.02	-.92	-.78	-.74	-.78	-.52
13	-1.85	-1.22	-3.62	-1.56	-1.62	-.89	-.91	-.82	-.62	-.83	-.73	-.85
14	-1.88	-1.16	-1.53	-1.75	-1.12	-1.56	-.87	-.76	-.88	-.81	-.89	-.99
15	-1.84	-1.87	-2.25	-1.31	-.97	-1.65	-.65	-.84	-1.06	-.76	-.80	-1.08
16	-1.47	-1.79	-1.72	-1.22	-.68	-.94	.01	-.35	-.95	-.83	-.99	-1.33
17	-.84	-1.91	-.48	-1.57	-2.00	-.57	-.21	-.38	-.81	-.99	-1.25	-1.48
18	-.77	-1.61	-3.04	-1.13	-1.47	-1.00	-.90	-.69	-1.45	-1.04	-1.68	-1.57
19	-.99	-1.51	-1.78	-.95	-1.45	-1.38	-1.53	-.92	-1.62	-.87	-1.72	-1.54
20	-1.27	-1.94	-2.60	-.77	-1.46	-1.20	-1.52	-.68	-1.65	-1.22	-1.56	-1.25
21	-1.44	-2.39	-2.10	-1.55	-1.84	-.52	-1.57	-1.04	-1.86	-1.44	-1.64	-.84
22	-1.63	-2.86	-1.30	-1.26	-2.00	-.13	-1.94	-.93	-1.51	-1.56	-1.74	-.81
23	-1.46	-2.03	-2.71	-1.59	-1.45	-.99	-2.05	-.86	-1.29	-1.66	-1.54	-.63
24	-1.62	-1.79	-2.10	-1.16	-2.03	-1.62	-1.63	-1.30	-1.57	-1.82	-1.09	-.15
25	-1.90	-1.83	-3.26	-1.19	-1.43	-2.24	-1.99	-1.16	-1.66	-1.83	-.75	-.44
26	-1.60	-1.06	-2.78	-1.15	-1.72	-1.58	-1.66	-1.28	-1.64	-1.53	-.39	-.97
27	-1.44	-1.48	-2.73	-1.43	-1.69	-1.95	-1.27	-1.21	-1.66	-1.25	-.52	-.83
28	-1.42	-1.60	-2.13	-1.71	-1.47	-1.96	-1.21	-1.00	-1.62	-1.20	-.49	-.56
29	-1.05	-1.36	-.94	-1.08	---	-1.94	-1.59	-1.12	-1.02	-1.05	-.77	-.10
30	-1.03	-1.22	-.51	-.94	---	-.19	-1.68	-1.17	-1.17	-.57	-.48	.40
31	-.84	---	-2.39	-.88	---	-1.05	---	-1.76	---	-.93	-.56	---
MEAN	-1.20	-1.16	-1.90	-1.45	-1.86	-1.17	-1.37	-1.19	-1.30	-1.14	-1.04	-.85
MAX	-.18	.23	-.48	-.77	-.67	.40	.01	-.35	-.62	-.57	-.39	.40
MIN	-2.32	-2.86	-3.62	-2.47	-3.86	-2.80	-2.05	-1.94	-1.86	-1.83	-1.74	-1.57

CAL YR 2000 MEAN -1.37 MAX .42 MIN -3.75
WTR YR 2001 MEAN -1.30 MAX .40 MIN -3.86

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 sea level (NGVD of 1929). January 1974 to June 1994, water-stage recorder at site 150 ft northeast.

REMARKS.--Records excellent except those estimated from reconstructed graph for Oct. 12 and Dec. 10, which are good; and for May 16-17, 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. Interruptions of record on Oct. 12, Dec. 10, and May 16-17 were due to malfunction of recording instrument. All data are collected, stored, and reported in Eastern Standard Time.

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, 5.33 ft, Mar. 7; minimum, -4.07 ft, Feb. 11.

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.97	1.75	.91	-.29	.75	.61	1.39	.56	.98	.91	1.06	1.34
2	1.27	1.81	.72	.46	.93	1.04	1.11	.80	1.54	.68	1.05	1.40
3	1.34	1.73	.64	.60	.03	1.09	.84	.81	1.39	.87	.78	1.34
4	1.18	1.57	.61	.53	.66	1.41	.86	.75	1.04	1.10	1.04	1.32
5	1.24	1.29	.77	.91	1.35	2.23	.70	.96	.97	1.25	1.07	1.15
6	1.42	1.35	.16	.97	.05	1.88	.80	1.15	.95	1.03	.95	1.11
7	1.19	1.42	.34	.90	.04	2.75	1.02	.85	1.05	1.00	.86	1.03
8	.93	1.62	.85	1.04	.22	1.92	1.09	.63	1.06	1.14	.96	.94
9	1.14	1.68	.70	1.16	.82	1.51	.99	.82	1.09	1.28	1.14	.86
10	1.10	2.15	e .75	.37	.11	.53	.99	1.01	1.08	1.29	.92	.99
11	.09	1.67	.99	.65	-1.11	.38	.83	.95	1.12	1.31	.82	.90
12	e .66	1.67	.53	.55	-.24	.12	1.04	1.04	1.13	1.10	1.04	1.24
13	.65	1.39	-.01	.88	.52	1.25	.99	.95	1.08	.98	.94	1.31
14	.78	1.46	.89	.52	.74	.62	.78	1.07	.90	1.02	1.12	1.37
15	.74	.71	.39	.83	.76	.30	1.08	1.08	.90	1.09	1.33	1.59
16	1.35	.41	1.01	.77	.87	.68	1.42	e1.43	1.04	1.12	1.29	1.48
17	1.34	.38	1.58	.39	.55	.84	1.22	e1.21	1.17	1.15	1.20	1.37
18	1.32	.33	-.77	.77	.13	.53	1.14	1.20	.79	1.28	1.14	1.40
19	.95	.54	.31	1.20	.47	.49	.46	1.21	.82	1.63	1.24	1.40
20	.78	.92	.35	1.45	.55	.62	.58	1.40	.79	1.42	1.32	1.49
21	.71	.41	.01	.97	.38	1.63	.62	1.32	.85	1.27	1.17	1.40
22	.78	-.10	.41	.71	.47	1.84	.35	1.56	1.16	1.16	.99	1.28
23	.92	.30	-.03	.65	.80	1.08	.49	1.60	1.18	1.03	.94	1.17
24	.83	.59	.14	1.04	.38	.65	.88	1.26	.94	.87	1.15	1.42
25	.84	.77	-.71	1.01	.96	.47	.58	1.26	.79	.70	1.36	1.56
26	1.13	1.82	-.58	.94	.64	.75	.86	1.07	.71	1.01	1.32	.98
27	1.28	.89	-.10	.86	.47	.32	1.15	1.20	.72	1.10	1.26	1.05
28	1.29	.51	.17	.38	.57	.23	.82	1.21	.76	.91	1.32	1.22
29	1.14	.73	1.13	.83	---	.38	.43	1.18	1.17	1.04	1.27	2.01
30	1.13	.69	1.54	1.04	---	1.43	.24	.98	1.05	1.44	1.36	2.94
31	1.45	---	-.24	.93	---	.92	---	.70	---	1.30	1.49	---
MEAN	1.03	1.08	.43	.77	.46	.98	.86	1.07	1.01	1.11	1.13	1.34
MAX	1.45	2.15	1.58	1.45	1.35	2.75	1.42	1.60	1.54	1.63	1.49	2.94
MIN	.09	-.10	-.77	-.29	-1.11	.12	.24	.56	.71	.68	.78	.86

CAL YR 2000 MEAN .92 MAX 2.32 MIN -.77
WTR YR 2001 MEAN .94 MAX 2.94 MIN -1.11

e Estimated from reconstructed graph

SURFACE-WATER SITES ON LONG ISLAND

01310740 REYNOLDS CHANNEL AT POINT LOOKOUT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL HIGH-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.64	2.93	1.60	2.77	2.21	3.52	2.61	3.40	3.41	3.41	3.58
2	3.57	3.58	2.44	2.24	3.09	2.87	3.69	3.17	4.04	3.38	3.42	3.67
3	3.36	3.48	2.25	2.33	2.15	3.39	3.15	3.16	3.87	3.57	3.35	3.64
4	3.19	3.22	2.23	2.60	2.81	3.40	3.21	3.41	3.66	3.82	3.55	3.42
5	2.97	2.71	2.47	2.82	3.85	4.31	3.24	3.85	3.65	3.75	3.35	3.21
6	3.06	3.02	1.97	3.55	3.19	4.16	3.50	4.18	3.70	3.48	3.15	3.22
7	2.90	3.21	2.64	3.37	3.38	5.33	4.02	3.68	3.60	3.40	2.96	3.09
8	2.80	3.57	3.05	3.94	3.51	5.01	4.07	3.54	3.54	3.40	3.04	2.96
9	3.08	3.90	3.44	4.49	4.18	4.67	4.10	3.57	3.30	3.41	3.01	2.91
10	3.05	4.95	3.63	3.38	3.42	3.61	3.58	3.56	3.08	3.19	2.89	3.06
11	2.55	4.24	4.00	4.09	1.97	3.48	3.43	3.18	3.08	3.01	2.70	2.98
12	3.22	4.75	4.91	3.72	3.25	3.28	3.33	3.01	2.44	2.84	3.00	3.45
13	3.18	4.46	3.20	4.07	2.69	3.60	2.53	2.36	2.92	2.68	3.04	3.78
14	3.49	4.54	4.54	3.22	2.96	2.77	2.96	2.70	2.53	2.90	3.38	4.08
15	3.56	3.85	3.45	3.10	3.06	1.89	2.75	2.78	2.61	3.16	3.80	4.42
16	4.12	3.31	3.70	3.45	2.89	2.79	3.00	2.94	2.88	3.32	3.95	4.46
17	3.98	3.18	4.58	2.81	3.61	2.83	2.81	2.80	3.33	3.61	4.14	4.36
18	4.01	2.84	2.02	2.76	1.85	2.65	2.88	3.01	3.07	3.95	4.39	4.31
19	3.28	2.56	2.19	3.21	2.48	2.13	2.48	3.21	3.33	4.56	4.41	4.30
20	2.94	3.11	3.45	3.12	2.44	2.27	2.59	3.64	3.65	4.48	4.35	4.42
21	3.04	2.61	2.25	3.64	2.79	3.68	2.81	3.94	3.85	4.51	3.99	4.24
22	3.26	2.20	2.91	2.99	2.88	4.17	2.63	4.33	4.30	4.38	3.79	3.83
23	3.27	2.64	2.35	3.06	3.54	3.15	3.24	4.46	4.04	3.97	3.65	3.43
24	3.30	3.43	2.60	3.51	2.55	2.98	3.35	4.12	3.71	3.50	3.75	3.48
25	3.36	3.39	1.88	3.58	3.16	2.86	3.47	4.11	3.51	3.22	3.71	3.32
26	3.84	4.59	2.19	3.44	2.79	3.17	3.73	3.92	2.93	3.23	3.46	2.75
27	4.01	3.80	2.30	3.34	2.74	2.62	3.83	3.95	3.19	3.59	3.33	2.83
28	4.26	2.99	2.39	2.52	2.80	2.53	3.07	3.27	3.04	3.32	3.44	3.24
29	3.87	3.08	3.51	2.90	---	3.19	2.24	3.58	3.52	3.26	3.31	4.38
30	3.61	2.92	4.02	3.05	---	3.27	2.86	3.44	3.41	3.73	3.55	4.89
31	3.83	---	1.59	2.92	---	3.33	---	3.02	---	3.55	3.74	---
MEAN	3.40	3.46	2.94	3.19	2.96	3.28	3.20	3.44	3.37	3.53	3.52	3.66
MAX	4.26	4.95	4.91	4.49	4.18	5.33	4.10	4.46	4.30	4.56	4.41	4.89
MIN	2.55	2.20	1.59	1.60	1.85	1.89	2.24	2.36	2.44	2.68	2.70	2.75

CAL YR 2000 MEAN 3.33 MAX 5.06 MIN 1.23
WTR YR 2001 MEAN 3.33 MAX 5.33 MIN 1.59

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL LOW-HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	3.30	2.39	.85	2.23	*---	3.06	2.52	2.80	2.45	2.50	2.95
2	2.94	*---	*---	1.90	2.46	2.64	2.74	2.76	3.32	1.91	2.68	3.30
3	2.47	3.14	2.01	2.00	1.45	2.42	2.71	3.06	3.32	2.45	2.27	3.16
4	*---	2.78	2.16	1.80	2.29	2.83	2.86	2.85	2.86	2.66	2.68	3.34
5	2.19	2.70	2.37	2.46	3.53	3.80	3.22	3.15	2.88	3.05	2.77	3.17
6	2.69	2.71	1.70	2.56	1.86	3.65	3.39	3.29	2.73	2.69	2.66	2.95
7	2.49	2.92	1.87	3.01	2.36	4.96	3.56	3.24	2.82	2.70	2.61	2.75
8	2.31	3.40	3.05	3.13	3.03	4.10	3.72	2.71	2.73	2.73	2.72	2.46
9	2.49	3.74	2.74	3.12	3.58	4.05	3.45	2.80	2.72	2.92	2.93	*---
10	2.84	3.84	2.88	3.26	2.04	3.38	3.36	2.80	2.55	2.92	2.48	2.41
11	2.03	3.96	3.38	2.84	1.47	2.83	2.77	2.55	2.47	2.91	*---	2.19
12	2.88	3.62	.89	3.33	2.39	2.79	2.85	2.51	*---	*---	2.65	2.33
13	2.97	3.54	2.74	3.21	*---	3.47	*---	*---	2.45	2.60	2.53	2.82
14	3.09	3.28	2.31	*---	2.46	2.29	2.17	2.63	2.43	2.47	2.34	2.85
15	2.89	2.39	2.84	2.99	2.30	*---	2.31	2.38	2.36	2.49	2.70	3.74
16	3.57	2.45	*---	2.58	1.98	2.11	2.64	e2.71	2.43	2.50	2.96	3.91
17	3.21	*---	3.64	1.97	1.23	1.89	2.62	e2.62	2.67	2.62	3.11	4.10
18	2.95	2.12	.82	2.21	1.47	1.78	2.63	2.74	2.30	2.84	3.25	4.27
19	*---	2.52	2.03	2.83	1.90	1.70	2.04	2.89	2.37	3.36	3.71	4.04
20	2.72	2.99	1.58	3.12	2.28	2.04	2.31	3.29	2.50	3.43	3.99	3.71
21	2.42	2.57	1.97	2.14	1.58	2.90	2.60	3.12	2.62	3.48	3.98	3.32
22	2.44	2.05	2.17	2.44	2.50	3.05	2.39	3.34	3.12	3.57	3.59	*---
23	2.87	2.45	1.93	2.52	2.07	2.96	2.42	3.49	3.20	3.49	3.23	3.07
24	3.18	2.62	2.23	2.78	2.54	2.64	2.94	3.24	3.07	3.46	*---	2.82
25	3.34	3.03	.94	2.44	3.15	2.67	2.62	3.33	2.99	*---	3.21	3.30
26	3.49	3.54	.60	2.68	2.33	2.91	2.78	3.01	*---	3.16	3.09	2.28
27	3.71	2.10	1.88	2.11	2.55	2.53	3.13	3.28	2.98	3.41	2.70	2.19
28	3.09	2.14	1.92	2.22	2.42	2.33	2.52	*---	2.89	2.60	2.58	2.62
29	2.84	2.29	2.70	2.63	---	2.23	*---	3.19	2.92	2.56	2.46	3.18
30	2.75	1.89	2.62	*---	---	*---	1.87	3.13	2.84	2.74	2.67	4.55
31	3.25	---	*---	2.72	---	2.38	---	2.90	---	2.80	2.96	---
MEAN	2.86	2.86	2.16	2.55	2.28	2.83	2.77	2.95	2.76	2.86	2.90	3.13
MAX	3.71	3.96	3.64	3.33	3.58	4.96	3.72	3.49	3.32	3.57	3.99	4.55
MIN	2.03	1.89	.60	.85	1.23	1.70	1.87	2.38	2.30	1.91	2.27	2.19

CAL YR 2000 MEAN 2.76 MAX 4.93 MIN .60
WTR YR 2001 MEAN 2.74 MAX 4.96 MIN .60

e Estimated from reconstructed graph
* Only a single high tide occurred

01310740 REYNOLDS CHANNEL AT POINT LOOKOUT, NY--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL HIGH-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.23	.12	-.32	-1.75	-.68	-1.14	-.11	-.89	-.86	-1.13	*---	-.67
2	-.40	.56	-.38	-.65	-.43	-.48	-.54	-1.35	-.78	-1.56	-.84	-.54
3	-.24	.74	-.44	-.64	-1.54	-.45	-1.26	-1.66	*---	*---	-1.25	-.76
4	-.10	.51	-.60	-.81	-1.17	-.17	-1.57	-1.77	-1.26	-1.07	-.88	-.66
5	-.02	.29	-.21	-.79	-1.06	.70	-2.01	*---	-1.26	-.68	-.88	-.78
6	.36	-.14	-1.45	-.88	-2.59	.29	*---	-1.56	-1.28	-.96	-.89	-.83
7	.05	-.26	-1.58	-1.52	*---	*---	-1.88	-1.46	-.86	-.84	-.90	-.68
8	-.39	-.17	-1.27	-1.58	-3.02	-.24	-1.80	-1.97	-.72	-.41	-.60	-.70
9	-.61	-.45	*---	*---	-2.24	-1.43	-1.65	-1.45	-.51	-.20	-.29	-.64
10	*---	*---	e-1.98	-2.36	-1.88	-2.20	-1.55	-.91	-.30	-.13	-.65	-.53
11	-1.68	-.81	-1.94	-1.97	-3.71	-2.33	-1.39	-.75	.14	-.03	-.44	-.71
12	e-1.61	-.95	-1.13	-2.25	-2.36	-2.68	-.78	-.32	.03	-.27	-.38	-.43
13	-1.87	-1.27	-2.47	-1.65	-1.42	-.63	-.53	-.27	-.11	-.33	-.71	-.68
14	-1.69	-.95	-1.40	-1.75	-.89	-1.33	-.56	.05	-.34	-.24	-.72	-1.05
15	-1.81	-1.27	-1.86	-1.12	-.79	-1.35	.31	.16	-.32	-.48	-.67	*---
16	-.88	-1.69	-.58	-.83	-.53	-.66	.17	e .40	-.48	-.72	-1.06	-1.32
17	-.81	-1.47	-.39	-1.19	-.59	-.44	-.20	e -.27	-.76	-.91	*---	-1.58
18	-.53	-1.61	-2.98	-.77	-1.40	-.86	-.70	-.46	-1.33	*---	-1.81	-1.57
19	-.95	-1.52	-1.60	-.43	-1.31	-.99	-1.42	-.70	*---	-.84	-1.71	-1.32
20	-.82	-.75	-1.50	.27	*---	-.89	*---	*---	-1.62	-1.11	-1.43	-.96
21	-1.09	-1.44	-1.98	-1.60	-1.17	*---	-1.43	-.99	-1.74	-1.56	-1.52	-.78
22	-1.00	-2.44	-1.37	*---	-1.88	.72	-1.67	-.85	-1.30	-1.67	-1.49	-.57
23	-1.22	-1.84	*---	-1.32	-.88	-.99	-1.91	-.87	-1.34	-1.63	-1.19	-.59
24	-1.71	*---	-2.09	-1.00	-1.97	-1.30	-1.46	-1.08	-1.35	-1.41	-.66	-.03
25	*---	-1.76	-2.10	-.82	-1.32	-1.87	-1.76	-1.07	-1.36	-1.33	-.20	.26
26	-1.56	-.16	-2.47	-1.16	-1.07	-1.50	-1.37	-1.24	-1.15	-.63	-.36	-.39
27	-1.48	-.61	-2.04	-.96	-1.56	-2.01	-.87	-.76	-1.04	-.84	-.46	-.43
28	-1.02	-1.60	-1.57	-1.68	-1.30	-1.97	-1.11	-.68	-.97	-.76	-.39	-.50
29	-1.10	-1.16	-.62	-.94	---	-1.67	-1.17	-.69	-.60	-.72	-.53	*---
30	-.97	-.42	-.25	-.82	---	-.18	-1.49	-.96	-1.17	-.40	-.46	1.27
31	-.38	---	-1.27	-.35	---	-.69	---	-1.32	---	-.51	*---	---
MEAN	-.92	-.80	-1.37	-1.15	-1.49	-.99	-1.13	-.89	-.88	-.81	-.83	-.65
MAX	.36	.74	-.21	.27	-.43	.72	.31	.40	.14	-.03	-.20	1.27
MIN	-1.87	-2.44	-2.98	-2.36	-3.71	-2.68	-2.01	-1.97	-1.74	-1.67	-1.81	-1.58

CAL YR 2000 MEAN -1.03 MAX .82 MIN -3.06
WTR YR 2001 MEAN -.99 MAX 1.27 MIN -3.71

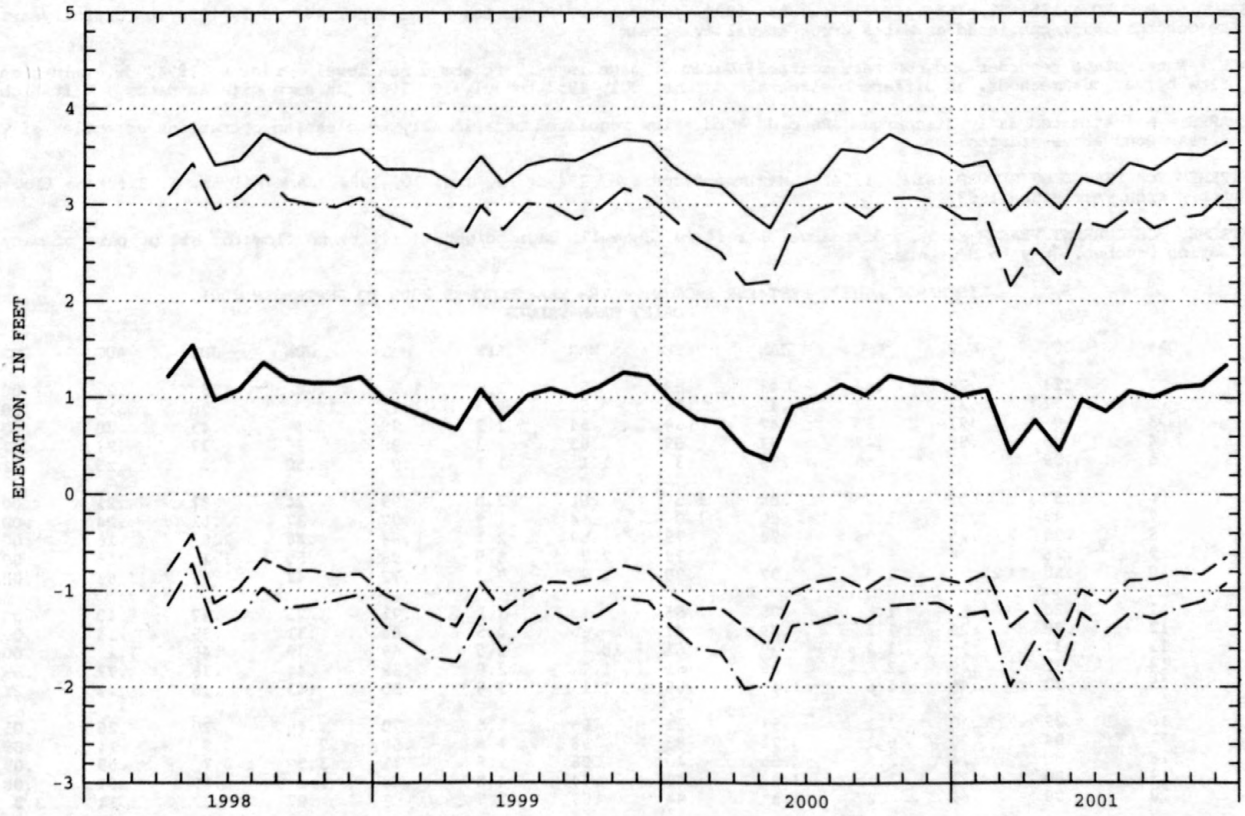
* Only a single low tide occurred

ELEVATION, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY TIDAL LOW-LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.28	.01	-.96	-1.98	-.94	-1.26	-.38	-1.69	-1.58	-1.28	-.91	-.77
2	-.87	.27	-.84	-1.34	-.71	-.73	-1.00	-1.48	-.95	-1.56	-1.01	-1.04
3	-.27	.18	-.87	-1.18	-2.09	-.52	-1.33	-1.69	-1.15	-1.31	-1.39	-.99
4	-.15	.07	-1.01	-1.60	-1.59	-.41	-1.73	-2.06	-1.46	-1.41	-1.41	-1.04
5	-.23	-.58	-1.58	-1.24	-1.06	-.35	-2.11	-1.90	-1.61	-1.10	-1.07	-1.15
6	-.33	-.51	-1.63	-1.85	-3.21	-.42	-2.21	-1.78	-1.53	-1.18	-1.30	-.99
7	-.80	-.44	-1.85	-1.60	-3.02	.32	-2.03	-1.93	-1.37	-1.26	-1.36	-1.07
8	-1.02	-.80	-1.39	-1.82	-3.12	-1.17	-1.91	-2.04	-1.29	-1.22	-1.28	-1.05
9	-.75	-.54	-1.83	-1.73	-2.62	-1.46	-1.89	-1.72	-1.08	-.84	-.85	-1.04
10	-.76	-.29	e-2.02	-2.60	-3.13	-2.66	-1.59	-1.35	-.99	-.66	-.88	-.69
11	-2.35	-.98	-2.03	-2.52	-4.07	-2.52	-1.70	-1.20	-.92	-.65	-1.06	-.86
12	-2.13	-1.03	-3.69	-2.63	-3.41	-2.97	-1.10	-.96	-.72	-.73	-.81	-.53
13	-1.91	-1.30	-3.79	-1.72	-1.67	-.96	-.98	-.83	-.55	-.84	-.78	-.98
14	-1.96	-1.25	-1.61	-1.85	-1.24	-1.58	-.89	-.75	-.85	-.83	-.92	-1.05
15	-1.93	-1.98	-2.31	-1.39	-.93	-1.72	-.65	-.69	-.98	-.74	-.85	-1.16
16	-1.55	-1.87	-1.78	-1.23	-.75	-.97	.03	e -.33	-.88	-.84	-1.22	-1.50
17	-.90	-1.91	-.53	-1.60	-1.99	-.57	-.24	e -.34	-.77	-1.05	-1.37	-1.75
18	-.78	-1.65	-3.23	-1.17	-1.45	-.96	-.88	-.72	-1.40	-1.07	-1.85	-1.73
19	-1.06	-1.59	-1.80	-1.01	-1.53	-1.33	-1.56	-1.02	-1.62	-.94	-1.82	-1.71
20	-1.42	-1.99	-2.70	-.85	-1.51	-1.25	-1.56	-.74	-1.65	-1.34	-1.79	-1.42
21	-1.47	-2.47	-2.15	-1.66	-1.80	-.48	-1.61	-1.07	-1.88	-1.57	-1.81	-.95
22	-1.75	-2.93	-2.70	-1.33	-2.08	-.11	-2.05	-.97	-1.56	-1.73	-1.88	-.88
23	-1.53	-2.12	-2.17	-1.67	-1.54	-1.04	-2.14	-.87	-1.36	-1.83	-1.66	-.70
24	-1.98	-1.88	-2.16	-1.25	-2.18	-1.74	-1.72	-1.30	-1.65	-1.97	-1.15	-.19
25	-1.84	-1.87	-3.30	-1.26	-1.46	-2.29	-2.16	-1.23	-1.73	-1.91	-.75	-.41
26	-1.66	-1.04	-2.92	-1.19	-1.74	-1.61	-1.76	-1.29	-1.69	-1.54	-.39	-1.03
27	-1.49	-1.54	-2.78	-1.50	-1.73	-2.04	-1.36	-1.22	-1.69	-1.24	-.56	-.81
28	-1.45	-1.65	-2.20	-1.74	-1.48	-2.00	-1.22	-1.00	-1.61	-1.23	-.52	-.59
29	-1.11	-1.41	-.91	-1.14	---	-2.05	-1.66	-1.11	-1.03	-1.11	-.75	-.01
30	-1.09	-1.26	-.59	-.94	---	-.21	-1.74	-1.15	-1.18	-.61	-.60	.45
31	-.87	---	-2.45	-.86	---	-1.12	---	-1.73	---	-.96	-.48	---
MEAN	-1.25	-1.21	-1.99	-1.53	-1.93	-1.23	-1.44	-1.23	-1.29	-1.18	-1.11	-.92
MAX	-.15	.27	-.53	-.85	-.71	.32	.03	-.33	-.55	-.61	-.39	.45
MIN	-2.35	-2.93	-3.79	-2.63	-4.07	-2.97	-2.21	-2.06	-1.88	-1.97	-1.88	-1.75

CAL YR 2000 MEAN -1.42 MAX .52 MIN -3.93
WTR YR 2001 MEAN -1.36 MAX .45 MIN -4.07

e Estimated from reconstructed graph



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.

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 sea level. Prior to 1894, determinations of flow by various methods, at different sites and datums. July 1954 to July 16, 1964, at same site at datum 1.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. 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, 171 ft^3/s, June 17, gage height, 3.14 ft; no flow for all or part of many days during October, July to September.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

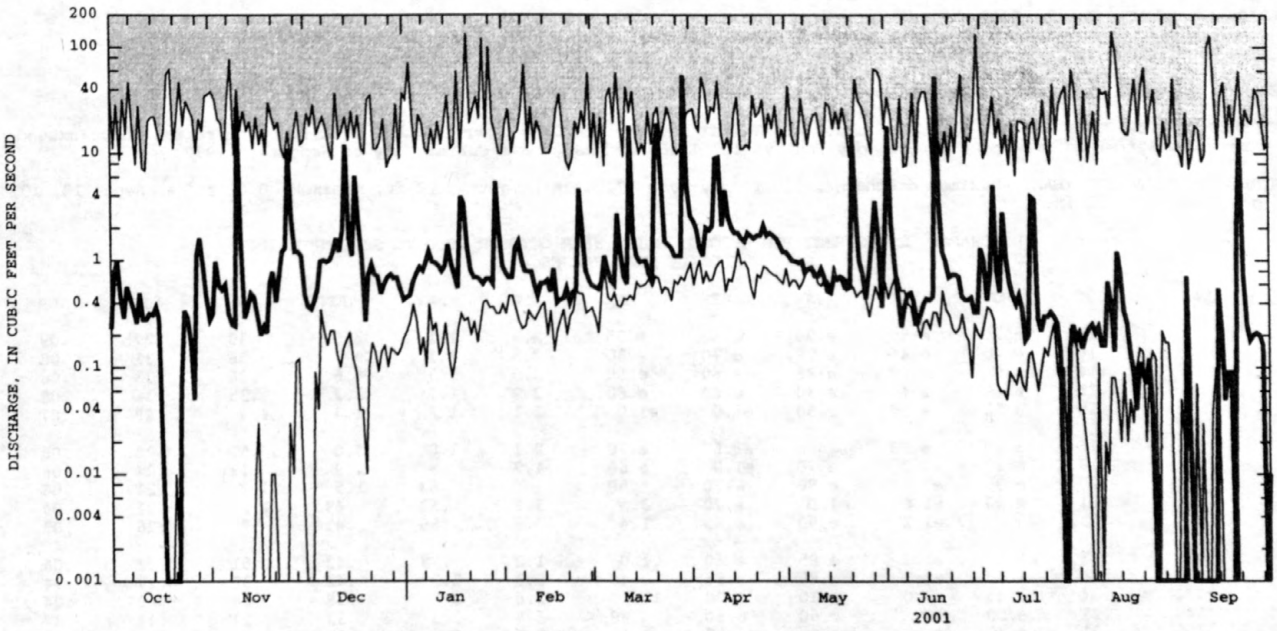
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.28	.48	.43	.88	.58	2.6	1.2	1.6	1.3	.21	.00
2	.71	.32	.37	.45	.76	.56	2.3	1.1	18	.98	.15	.00
3	1.0	.97	.35	.47	.69	.54	1.9	.99	2.2	.43	.20	.00
4	.45	.59	.42	.63	.69	.63	1.3	.98	.96	.77	.23	.71
5	.29	.53	.55	.75	1.3	1.1	1.1	.95	.50	5.0	.25	.01
6	.57	.59	.98	.86	1.5	.81	2.0	.99	.24	.82	.21	.00
7	.45	.31	1.0	.80	1.0	.64	1.9	.77	.37	.51	.24	.00
8	.35	.25	.96	.94	.79	.59	2.1	.84	.48	2.8	.16	.00
9	.26	.24	1.0	1.2	.78	2.7	8.9	.86	.50	1.1	.16	.00
10	.50	27	1.2	.97	.78	1.2	9.2	.72	.41	.63	.63	.00
11	.28	1.5	1.6	.95	.58	.70	2.1	.72	.25	.47	.40	.00
12	.28	.29	1.2	.89	.47	.60	4.5	.84	.31	.39	.14	.00
13	.32	.36	1.9	.79	.61	18	2.5	.69	.39	.48	1.2	.00
14	.31	.49	12	.88	.61	1.7	2.0	.52	.44	.36	.77	.55
15	.37	.45	1.6	1.4	.65	1.1	1.8	.50	.43	.18	.34	.22
16	.29	.30	1.1	.93	.51	.96	1.8	.70	.46	.20	.26	.05
17	.04	.20	6.1	.72	.83	.98	1.6	.68	52	3.9	.14	.09
18	.00	.24	2.2	.55	.40	.98	1.5	.71	3.5	3.7	.09	.09
19	.00	.21	1.1	3.9	.43	.74	1.8	.68	1.2	.29	.04	.00
20	.00	.61	.27	3.3	.44	.67	1.7	.55	.97	.22	.11	2.3
21	.00	.78	.74	1.3	.55	11	1.6	.57	.70	.30	.09	14
22	.00	.41	.92	.80	.41	19	1.7	15	.74	.30	.07	.75
23	.07	.68	.74	.69	.51	6.0	1.7	2.7	.74	.33	.12	.25
24	.34	1.2	.71	.69	.54	1.5	2.1	1.0	.71	.30	.04	.18
25	.29	1.3	.49	.66	4.6	1.4	1.7	.76	.46	.26	.00	.20
26	.17	11	.60	.60	2.1	1.3	1.8	.44	.43	.14	.00	.21
27	.05	2.4	.70	.67	.79	1.1	1.7	.74	.43	.00	.00	.20
28	1.1	1.2	.74	.67	.65	1.1	1.6	1.5	.45	.00	.00	.16
29	1.6	1.2	.68	.60	---	1.1	1.4	3.6	.33	.15	.00	.00
30	.90	1.1	.69	5.4	---	54	1.2	1.7	.33	.25	.00	.01
31	.44	---	.54	1.9	---	4.8	---	.37	---	.18	.00	---
TOTAL	11.66	57.00	43.93	35.79	24.85	138.08	71.1	44.37	90.53	26.74	6.25	19.98
MEAN	.38	1.90	1.42	1.15	.89	4.45	2.37	1.43	3.02	.86	.20	.67
MAX	1.6	27	12	5.4	4.6	54	9.2	15	52	5.0	1.2	14
MIN	.00	.20	.27	.43	.40	.54	1.1	.37	.24	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	1.50	1.79	1.76	2.14	1.96	2.40	2.83	2.38	1.91	1.59	1.86	1.70
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	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1966	1966	1966	1966	1980	1981	1981	1981	1966	1966	1965	1982

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1954 - 2001	
ANNUAL TOTAL	535.94		570.28			
ANNUAL MEAN	1.46		1.56		1.95	
HIGHEST ANNUAL MEAN					8.86	1956
LOWEST ANNUAL MEAN					.11	1986
HIGHEST DAILY MEAN	35	Apr 21	54	Mar 30	140	Aug 12 1955
LOWEST DAILY MEAN	.00	Oct 18	.00	Oct 18	.00	Jul 25 1963
ANNUAL SEVEN-DAY MINIMUM	.02	Oct 17	.00	Aug 25	.00	Aug 10 1963
10 PERCENT EXCEEDS	1.9		2.1		6.0	
50 PERCENT EXCEEDS	.59		.66		.25	
90 PERCENT EXCEEDS	.15		.08		.00	

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 sea level, from topographic map.

REMARKS.--Records good except those above 110 ft^3/s and estimated daily discharges, which are poor.

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.

EXTREAMS FOR CURRENT YEAR.--Maximum discharge, 116 ft^3/s, June 17, gage height, 3.02 ft; minimum, 0.01 ft^3/s, Sept. 18, 19, 20, gage height, 0.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	e.30	e.50	e.20	e.80	e.55	2.9	1.1	3.0	.30	.27	.09
2	.18	e.40	e.45	e.20	e.70	e.50	2.5	1.3	19	.56	.31	.08
3	.14	e1.0	e.40	e.25	e.60	e.50	2.3	1.3	4.6	.36	.33	.06
4	.15	e.60	e.40	e.30	e.60	e.60	2.2	1.1	3.2	.35	.31	.08
5	.15	e.50	e.50	e.50	e1.0	e1.0	2.1	1.2	2.4	4.4	.28	.07
6	.16	e.60	e.90	e.60	e1.5	e.70	2.1	1.0	3.0	.53	.26	.06
7	.17	e.30	e1.0	e.70	e1.0	e.60	1.7	.87	2.9	.42	.24	.06
8	.20	e.30	e1.0	e.80	e.70	.50	1.4	.83	1.5	4.7	.21	.06
9	.21	e.30	e1.0	e1.0	e.70	3.3	3.8	.83	.49	1.2	.21	.04
10	.23	e25	e1.2	e.90	e.65	1.4	7.9	.85	.41	.77	.26	.05
11	.23	e1.5	e1.5	e.85	e.60	1.0	1.2	.78	.42	.51	.32	.06
12	.24	e.30	e1.2	e.80	e.55	.40	5.3	2.2	.42	.32	.27	.04
13	.24	e.40	e2.0	e.70	e.50	19	2.6	2.2	.38	.28	.29	.04
14	.23	e.50	e10	e.60	e.50	.98	1.6	2.3	.32	.27	.44	3.3
15	.21	e.40	e1.5	e1.0	e.50	1.1	1.5	1.4	.35	.26	.53	.37
16	.21	e.30	e1.0	e.80	e.50	1.6	1.7	.59	.41	.25	.23	.07
17	.22	e.25	e5.0	e.60	e.80	1.7	1.8	.37	27	.41	.16	.03
18	.24	e.20	e2.0	e.50	e.50	1.0	1.7	.49	3.1	3.9	.14	.02
19	.27	e.20	e1.0	e4.0	e.45	.53	1.6	.50	.85	.43	.15	.01
20	.27	e.50	e.50	e3.0	e.40	.57	1.7	.29	.66	.32	.13	.06
21	.54	e.80	e.70	e1.0	e.50	11	1.9	.61	1.2	.27	.10	19
22	.59	e.40	e.80	e.80	e.40	21	2.0	16	1.5	.24	.09	.35
23	.50	e.70	e.70	e.75	e.45	5.1	1.9	5.1	1.1	.27	.11	.24
24	e.70	e1.0	e.60	e.70	e.50	2.2	1.9	2.2	1.2	.30	.14	.21
25	e.50	e1.2	e.50	e.65	e5.0	2.0	1.4	2.1	.74	.32	.10	1.9
26	e.30	e10	e.60	e.60	e2.0	2.2	1.3	2.4	.55	.28	.09	.20
27	e.20	e2.0	e.70	e.60	e.70	1.0	1.3	1.8	.46	.25	.07	.10
28	e1.0	e1.0	e.70	e.60	e.60	.78	1.1	2.0	.38	.21	.07	.06
29	e1.5	e1.0	e.70	e.60	---	.78	1.1	3.9	.31	.22	.08	.03
30	e1.0	e.80	e.60	e5.0	---	44	1.1	2.2	.30	.23	.07	.03
31	e.50	---	e.40	e1.0	---	4.4	---	2.4	---	.26	.09	---
TOTAL	11.51	52.75	40.05	30.60	23.70	131.99	64.6	62.21	82.15	23.39	6.35	26.77
MEAN	.37	1.76	1.29	.99	.85	4.26	2.15	2.01	2.74	.75	.20	.89
MAX	1.5	25	10	5.0	5.0	44	7.9	16	27	4.7	.53	19
MIN	.14	.20	.40	.20	.40	.40	1.1	.29	.30	.21	.07	.01

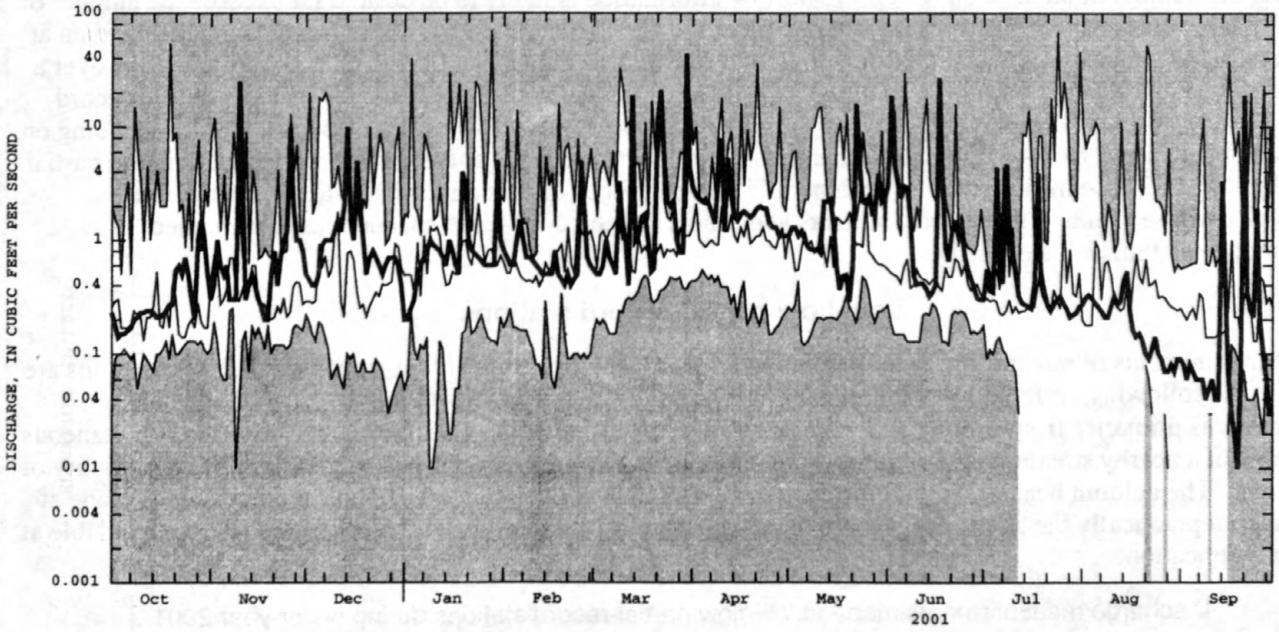
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	.92	.99	1.31	2.13	1.20	2.17	1.97	1.73	1.37	1.49	1.23	1.06
MAX	3.40	1.76	3.97	4.67	2.19	4.26	3.14	2.93	2.74	4.61	3.64	1.94
(WY)	1997	2001	1997	1994	1998	2001	1997	1998	2001	1997	1997	1994
MIN	.21	.29	.11	.37	.27	.91	.46	.87	.33	.043	.027	.28
(WY)	1999	1999	1999	2000	2000	1995	1999	1995	1994	1999	1999	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	503.20		556.07			
ANNUAL MEAN	1.37		1.52		1.46	
HIGHEST ANNUAL MEAN					2.42	1997
LOWEST ANNUAL MEAN					.80	1995
HIGHEST DAILY MEAN	36	Apr 21	44	Mar 30	70	Jan 28 1994
LOWEST DAILY MEAN	.05	Feb 17	.01	Sep 19	.00	Jul 13 1999
ANNUAL SEVEN-DAY MINIMUM	.09	Feb 21	.05	Sep 7	.00	Jul 13 1999
10 PERCENT EXCEEDS	2.0		2.5		2.5	
50 PERCENT EXCEEDS	.41		.60		.50	
90 PERCENT EXCEEDS	.16		.15		.11	

e Estimated

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.

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 2001

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 40°55′49″, long 72°25′04″, Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 mi northwest of Southampton	--	1951-69 1971-98 2001	4-10-01	4.72
01304630	Mill Creek at Noyack, N.Y..	Lat 40°59′35″, long 72°21′00″, Suffolk County, 50 ft upstream from culvert on Noyack Road, 0.25 mi west of Noyack	--	1958-98 2001	4-09-01	1.21
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59′21″, long 72°18′12″, Suffolk County, at culvert on Brick Kiln Road, 0.75 mi southwest of Sag Harbor	--	1953-69 1973-98 2001	4-09-01	.16
01304672	Tanbark Creek at Three Mile Harbor, N.Y.	Lat 40°59′44″, long 72°11′06″, Suffolk County, at culvert on Soak Hides Road	--	1974-75 2001	4-09-01	.35
01304675	Fresh Pond Tributary at Barnes Hole, N.Y.	Lat 40°59′51″, long 72°07′22″, Suffolk County, at culvert on Albert's Landing Road	--	1974-75 2001	4-10-01	1.09
01304693	Hook Pond Tributary at East Hampton, N.Y.	Lat 40°57′34″, long 72°10′42″, Suffolk County, at culvert on Davids Lane	--	1974-75 2001	4-09-01	1.38
01304697	Georgica Pond Tributary No. 2 at Midhampton, N.Y.	Lat 40°57′10″, long 72°13′48″, Suffolk County, at culvert on State Highway 27A	--	1974-75 2001	4-09-01	.30
01304700	Georgica Pond Tributary No. 1 at Midhampton, N.Y.	Lat 40°57′01″, long 72°14′20″, Suffolk County, at culvert on State Highway 27A	--	1974-75 2001	4-09-01	.22
01304730	Poxabogue Pond Outlet at Sagaponack, N.Y.	Lat 40°55′48″, long 72°17′16″, Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mi southeast of Bridgehampton	--	1953-78 1980-86 1988-98 2001	4-10-01	4.34
01304739	Mill Creek at Water Mill, N.Y.	Lat 40°54′34″, long 72°01′25″, Suffolk County, at culvert on Old Mill Rd.	--	1974-75 2001	4-10-01	3.86

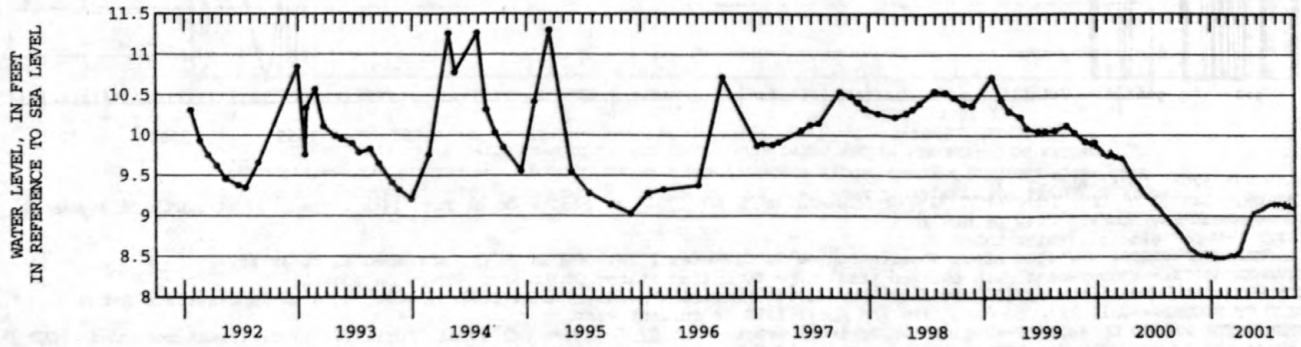
KINGS COUNTY

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 at 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.71	8.57	8.51	8.50	8.49	8.51	8.59	8.92	9.07	9.13	9.16	9.13
10	8.68	8.55	8.50	8.49	8.49	8.51	8.65	8.97	9.08	9.14	9.15	9.11
15	8.65	8.54	8.50	8.49	8.49	8.52	8.70	9.02	9.09	9.15	9.15	9.11
20	8.62	8.53	8.50	8.48	8.50	8.52	8.76	9.04	9.10	9.15	9.14	9.10
25	8.59	8.52	8.50	8.49	8.50	8.54	8.81	9.05	9.11	9.15	9.14	9.09
EOM	8.58	8.52	8.51	8.49	8.51	8.56	8.87	9.06	9.12	9.16	9.13	9.09
MEAN	8.65	8.54	8.50	8.49	8.49	8.52	8.71	9.00	9.09	9.15	9.15	9.11
MAX	8.73	8.58	8.52	8.50	8.51	8.56	8.87	9.06	9.12	9.16	9.16	9.13
MIN	8.58	8.51	8.50	8.48	8.48	8.51	8.56	8.88	9.06	9.12	9.13	9.09

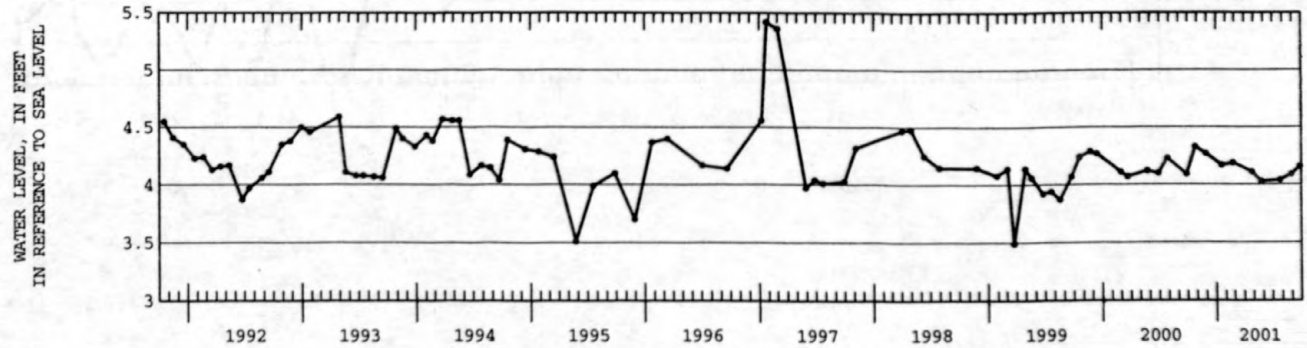
WTR YR 2001 MEAN 8.78 MAX 9.16 MIN 8.48



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.33	JAN 17	4.17	APR 25	4.11	JUL 24	4.04	SEP 26	4.16		
NOV 28	4.27	FEB 22	4.19	MAY 24	4.03	AUG 29	4.09				

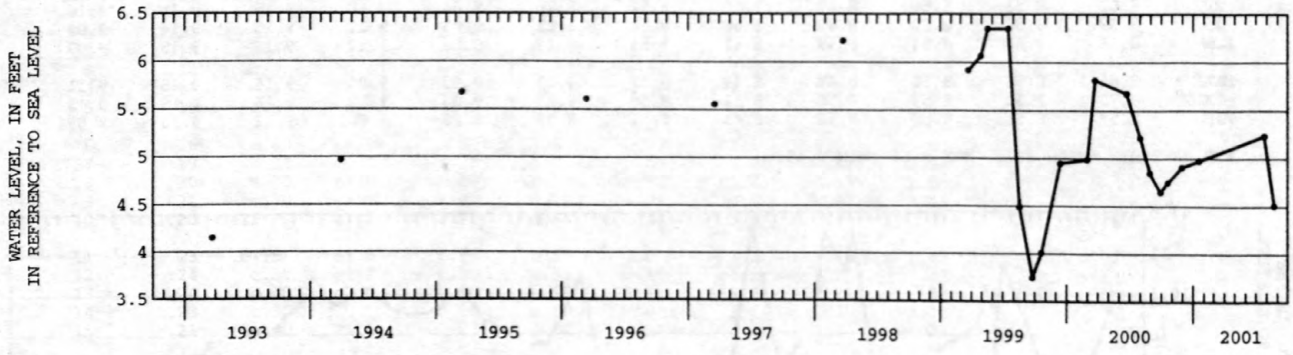


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

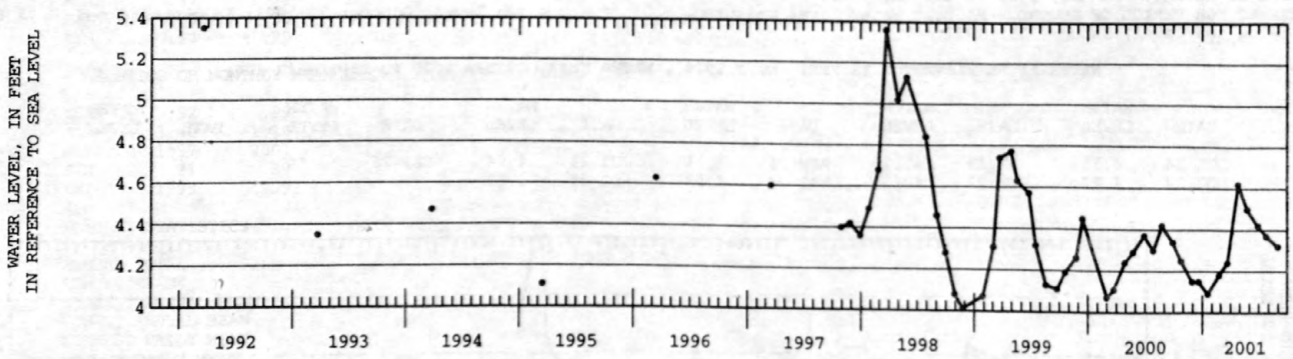
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.75	NOV 28	4.91	JAN 17	4.98	JUL 24	5.24	AUG 21	4.51



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 2000 TO SEPTEMBER 2001

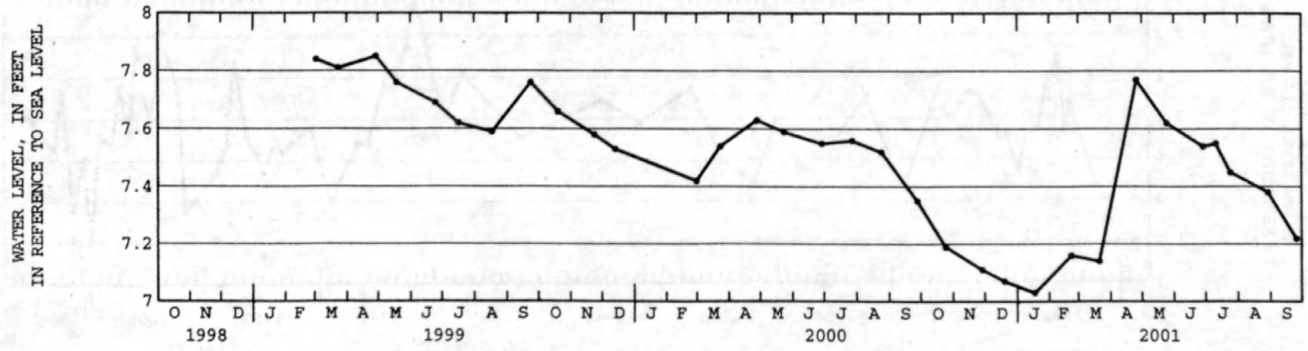
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.25	DEC 19	4.15	FEB 22	4.18	APR 25	4.62	JUN 28	4.42	AUG 30	4.32
NOV 28	4.15	JAN 17	4.09	MAR 21	4.24	MAY 24	4.50	JUL 24	4.37		



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 at 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, 7.03 ft above sea level, January 17, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

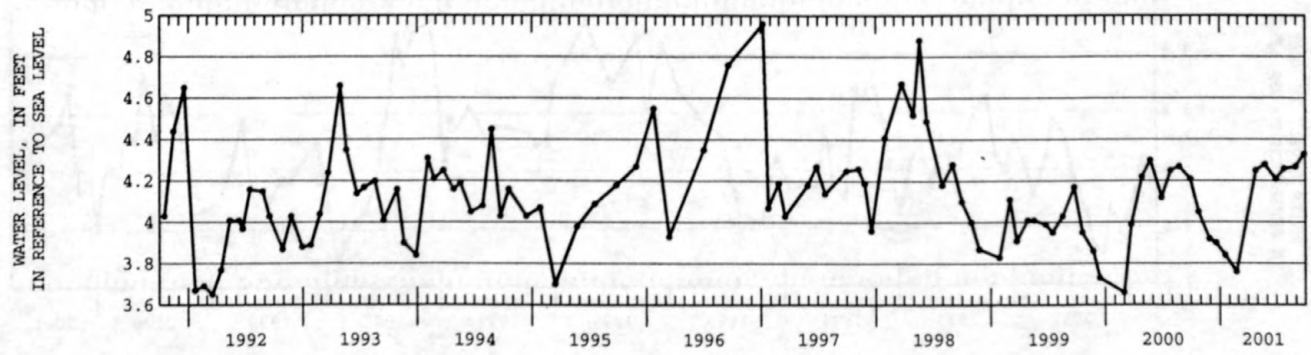
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.19	JAN 17	7.03	APR 25	7.77	JUL 10	7.55	SEP 25	7.22		
NOV 28	7.11	FEB 21	7.16	MAY 24	7.62	24	7.45				
DEC 19	7.07	MAR 20	7.14	JUN 28	7.54	AUG 29	7.38				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.05	DEC 19	3.90	FEB 22	3.76	MAY 24	4.28	JUL 24	4.26	SEP 26	4.33
NOV 28	3.92	JAN 17	3.84	APR 25	4.25	JUN 28	4.21	AUG 30	4.27		

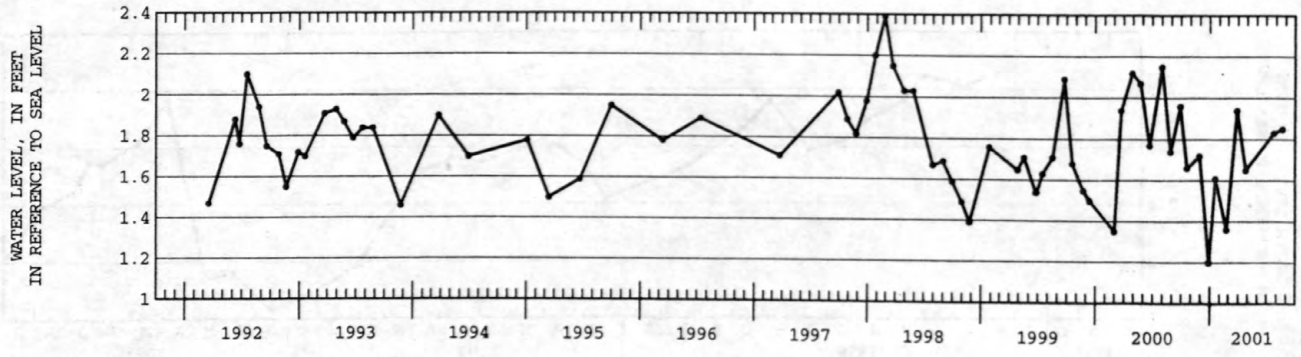


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

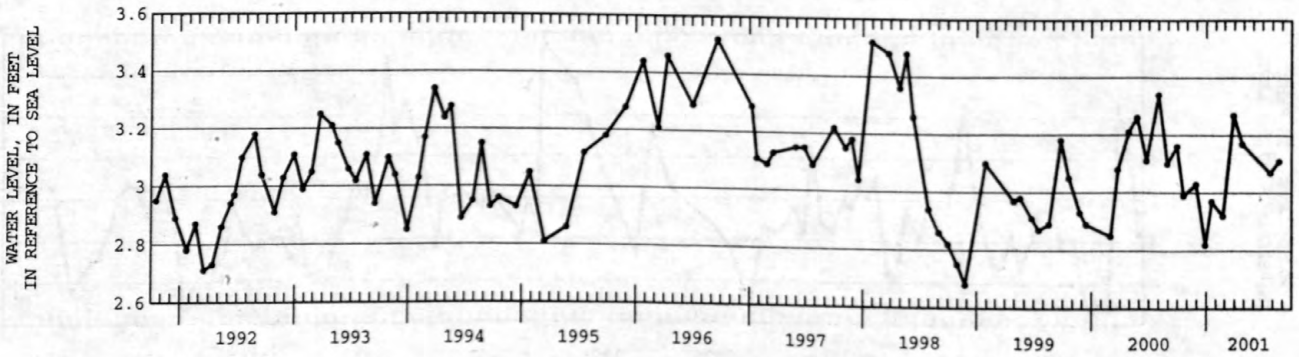
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.66	DEC 28	1.20	FEB 22	1.36	APR 25	1.65	AUG 21	1.85		
NOV 28	1.72	JAN 17	1.61	MAR 28	1.94	JUL 24	1.83				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.99	DEC 28	2.82	FEB 22	2.92	APR 25	3.17	AUG 21	3.11		
NOV 28	3.03	JAN 17	2.97	MAR 28	3.27	JUL 24	3.07				

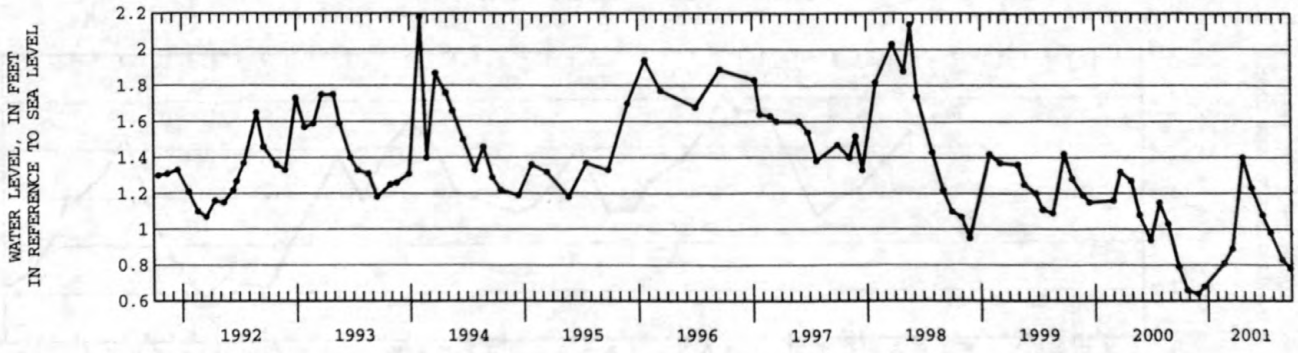


KINGS COUNTY--Continued

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, 0.64 ft above sea level, November 28, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

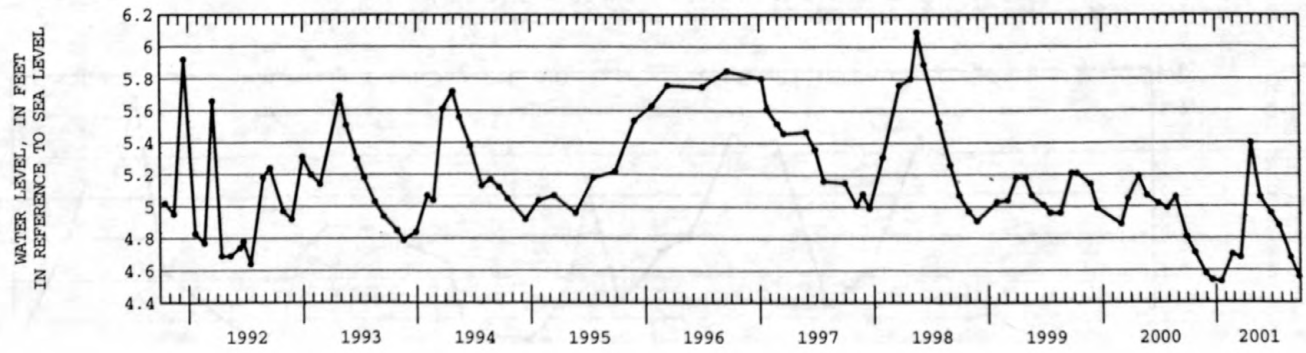
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	.66	DEC 19	.68	MAR 21	.89	MAY 24	1.23	JUL 24	.98	SEP 26	.78
NOV 28	.64	FEB 22	.81	APR 25	1.40	JUN 28	1.08	AUG 30	.83		



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, 4.53 ft above sea level, January 17, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.71	DEC 19	4.54	FEB 22	4.70	APR 25	5.40	JUN 28	4.96	AUG 30	4.68
NOV 28	4.58	JAN 17	4.53	MAR 21	4.68	MAY 24	5.06	JUL 24	4.88	SEP 26	4.56

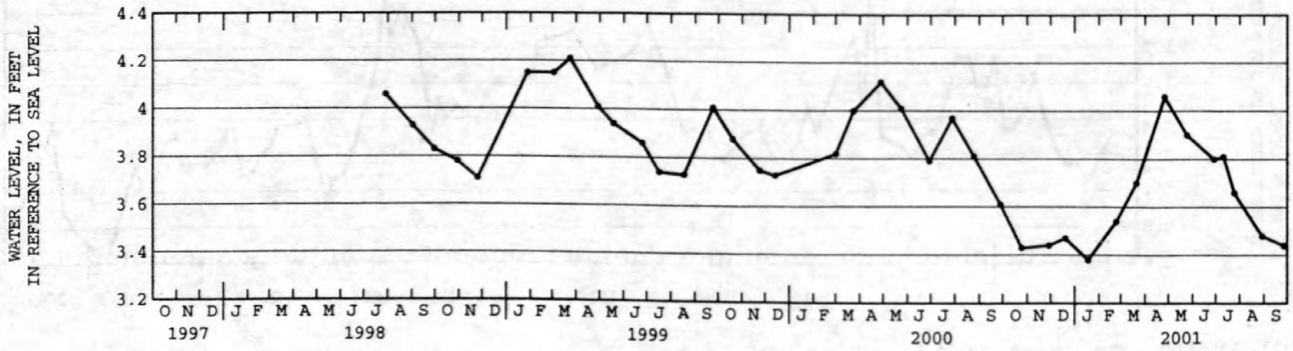


KINGS COUNTY--Continued

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 at 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, 3.38 ft above sea level, January 17, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

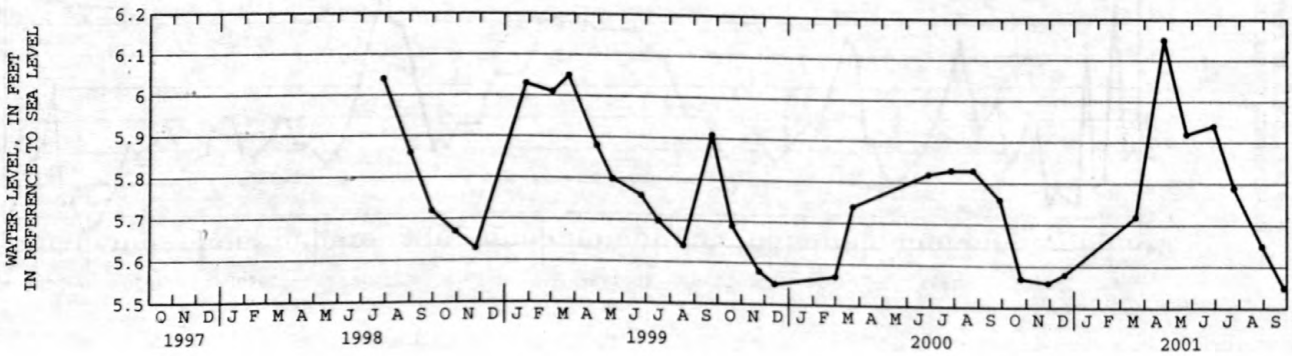
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.43	JAN 17	3.38	APR 25	4.06	JUL 10	3.81	SEP 26	3.44		
NOV 28	3.44	FEB 22	3.54	MAY 24	3.90	24	3.66				
DEC 19	3.47	MAR 20	3.70	JUN 28	3.80	AUG 29	3.48				



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 at 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, 5.55 ft above sea level, December 13, 1999 and September 26, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.57	DEC 19	5.58	APR 25	6.15	JUN 28	5.94	AUG 29	5.65		
NOV 28	5.56	MAR 20	5.72	MAY 24	5.92	JUL 24	5.79	SEP 26	5.55		

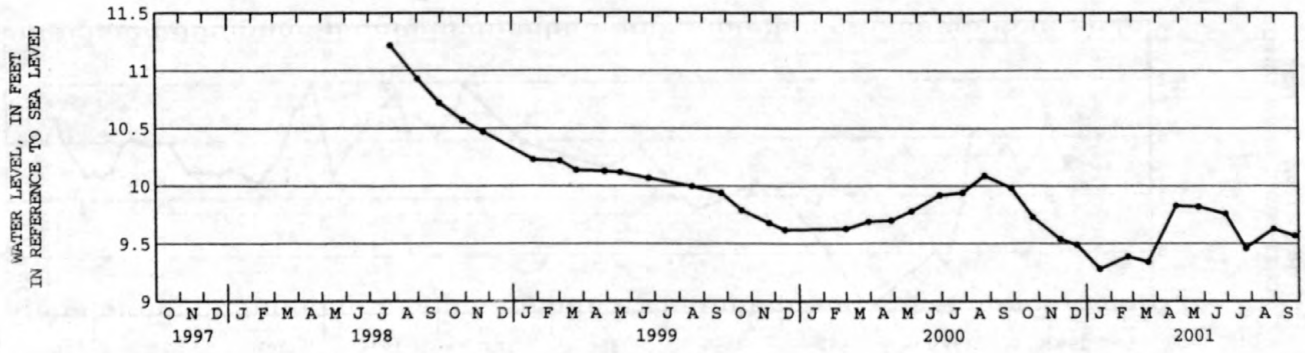


KINGS COUNTY--Continued

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 at 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, 9.28 ft above sea level, January 17, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

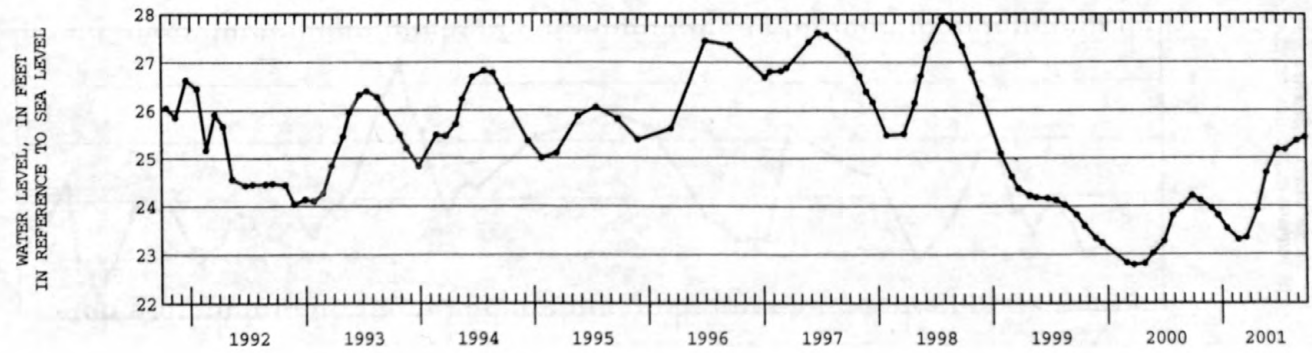
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.73	DEC 19	9.49	FEB 22	9.39	APR 25	9.83	JUN 28	9.76	AUG 29	9.63
NOV 28	9.54	JAN 17	9.28	MAR 20	9.34	MAY 24	9.82	JUL 24	9.46	SEP 25	9.57



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	24.12	DEC 19	23.81	FEB 22	23.31	APR 25	23.92	JUN 28	25.19	AUG 30	25.37
NOV 28	23.96	JAN 17	23.54	MAR 20	23.35	MAY 24	24.70	JUL 24	25.18	SEP 26	25.44

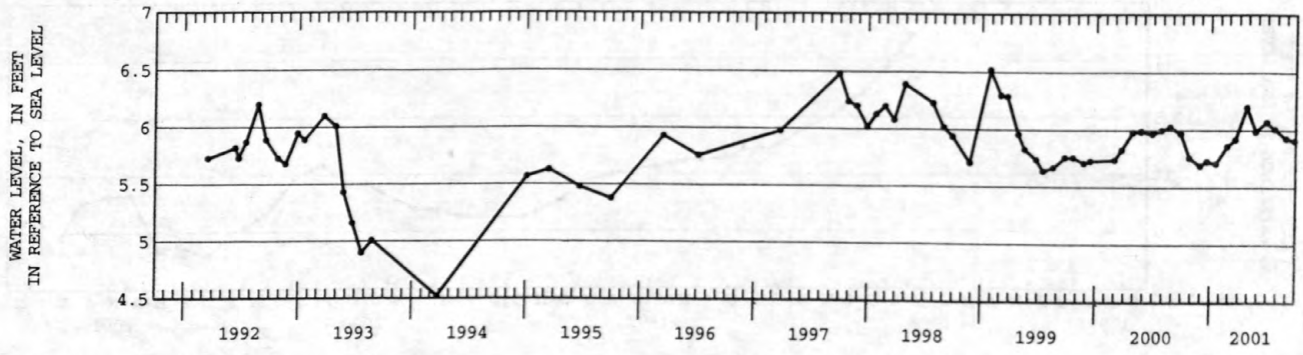


KINGS COUNTY--Continued

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 $\frac{1}{4}$-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 2000 TO SEPTEMBER 2001

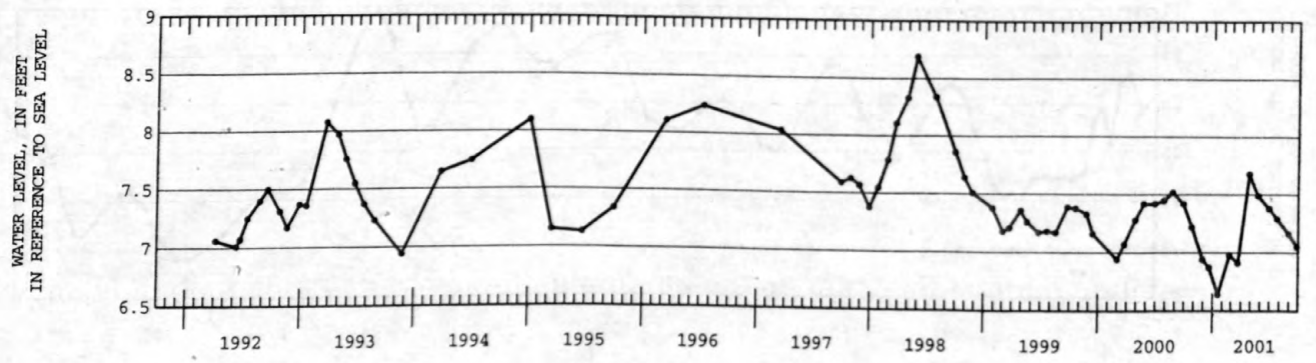
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.76	DEC 19	5.73	FEB 22	5.86	APR 25	6.20	JUN 28	6.07	AUG 29	5.93
NOV 28	5.69	JAN 17	5.71	MAR 20	5.92	MAY 24	5.99	JUL 24	6.01	SEP 26	5.91



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, 6.67 ft above sea level, September 28, 1983.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.22	DEC 19	6.87	FEB 22	6.98	APR 25	7.68	JUN 28	7.38	AUG 30	7.16
NOV 28	6.94	JAN 17	6.64	MAR 21	6.91	MAY 24	7.49	JUL 24	7.29	SEP 26	7.05

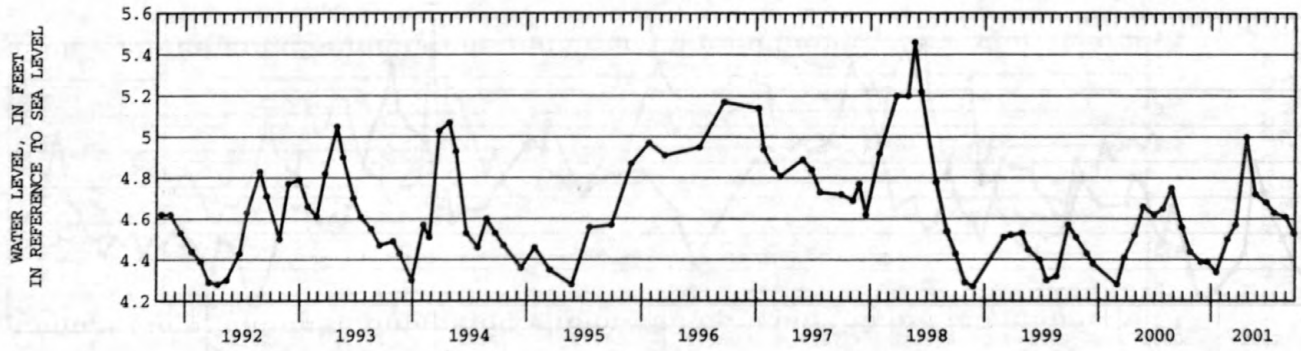


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

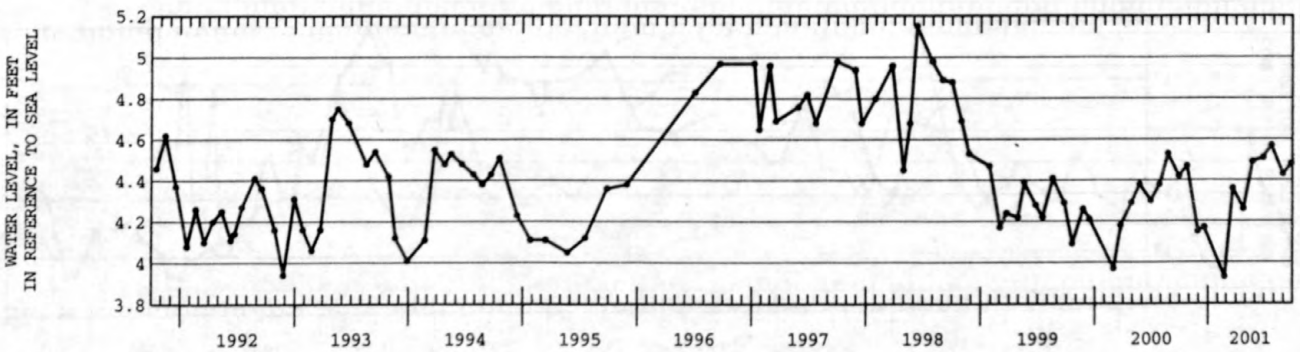
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.44	DEC 19	4.39	FEB 22	4.50	APR 25	5.00	JUN 28	4.68	AUG 30	4.61
NOV 28	4.39	JAN 17	4.34	MAR 21	4.57	MAY 24	4.72	JUL 24	4.63	SEP 26	4.53



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.47	DEC 19	4.17	MAR 21	4.36	MAY 24	4.49	JUL 24	4.57	SEP 26	4.48
NOV 28	4.15	FEB 22	3.93	APR 25	4.26	JUN 28	4.51	AUG 30	4.43		

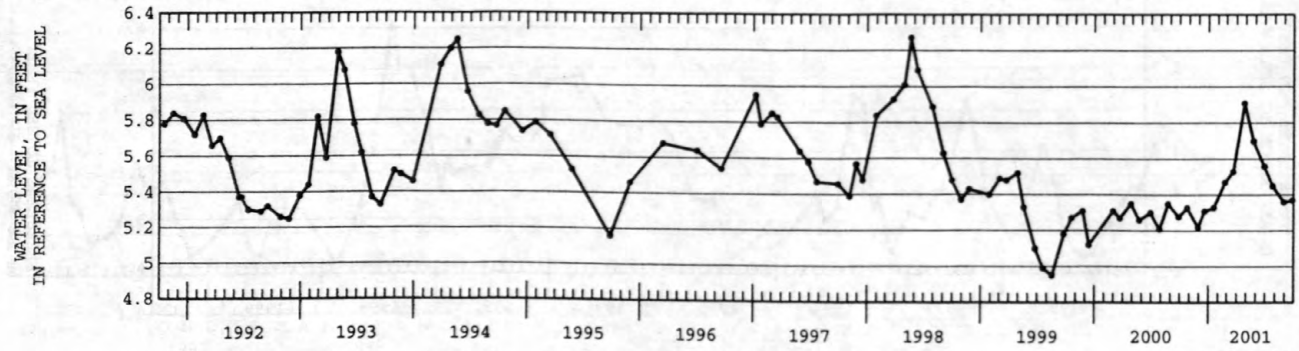


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

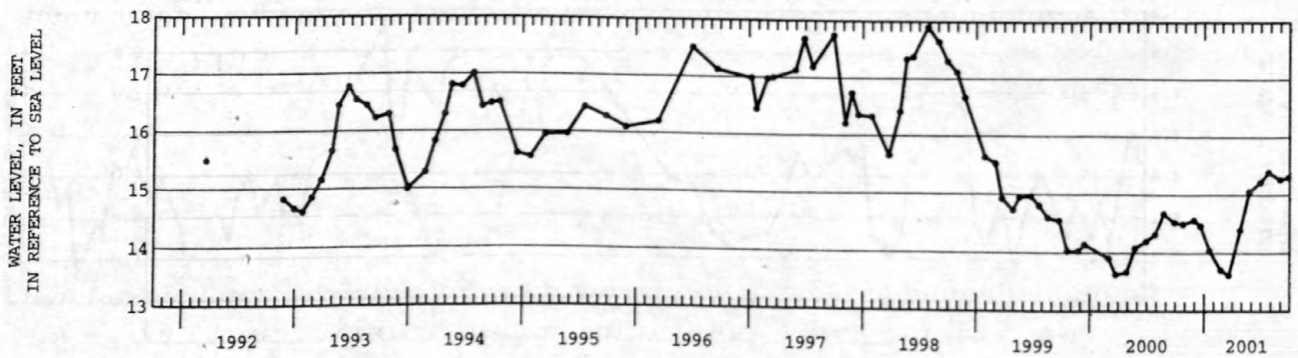
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.33	DEC 19	5.31	FEB 22	5.47	APR 25	5.91	JUN 28	5.56	AUG 29	5.36
NOV 28	5.22	JAN 17	5.33	MAR 20	5.53	MAY 24	5.70	JUL 24	5.45	SEP 26	5.37



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, 13.62 ft above sea level, March, 20 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	14.50	DEC 19	14.47	FEB 22	13.71	APR 25	14.40	JUN 28	15.22	AUG 30	15.27
NOV 28	14.57	JAN 17	14.04	MAR 20	13.62	MAY 24	15.06	JUL 24	15.40	SEP 26	15.31

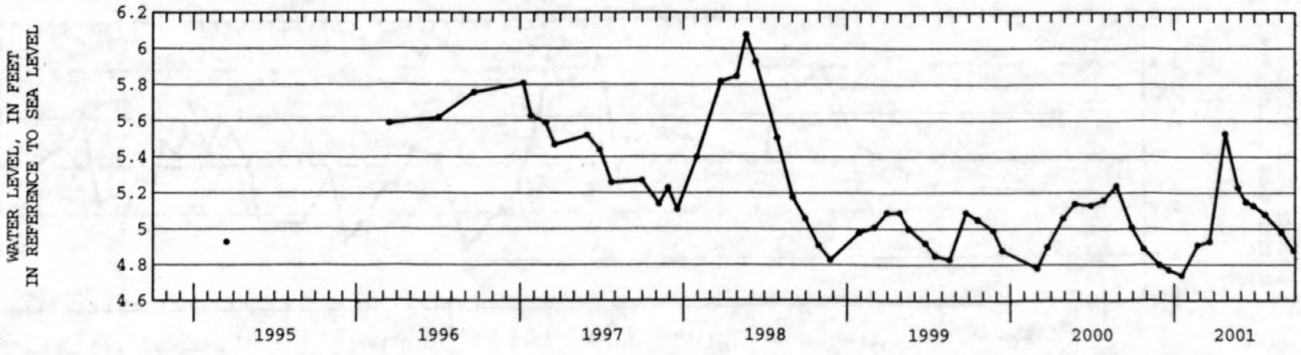


KINGS COUNTY--Continued

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, 4.74 ft above sea level, January 17, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

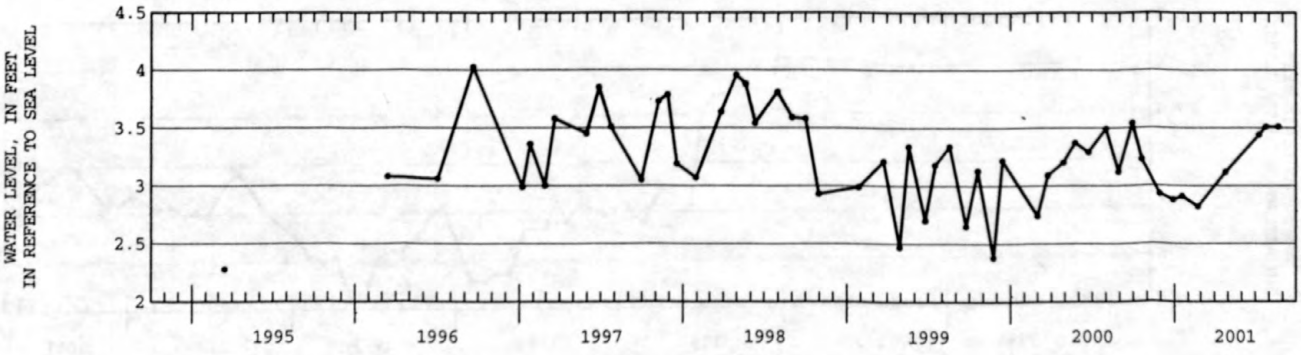
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.89	JAN 17	4.74	APR 25	5.53	JUN 28	5.13	SEP 26	4.88		
NOV 28	4.80	FEB 22	4.91	MAY 24	5.23	JUL 24	5.08				
DEC 19	4.77	MAR 21	4.93	JUN 11	5.15	AUG 30	4.98				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	3.23	DEC 28	2.88	FEB 22	2.82	JUL 09	3.44	AUG 21	3.51		
NOV 28	2.93	JAN 17	2.91	APR 25	3.12	24	3.51				

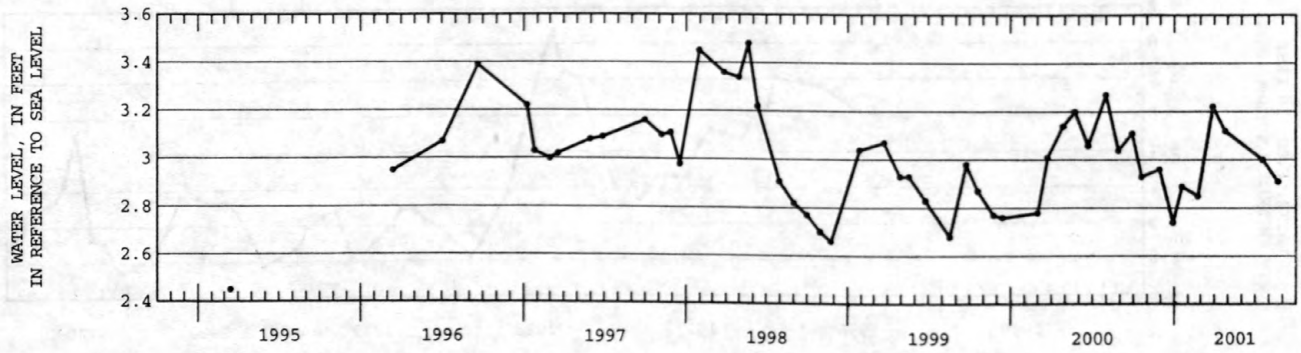


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

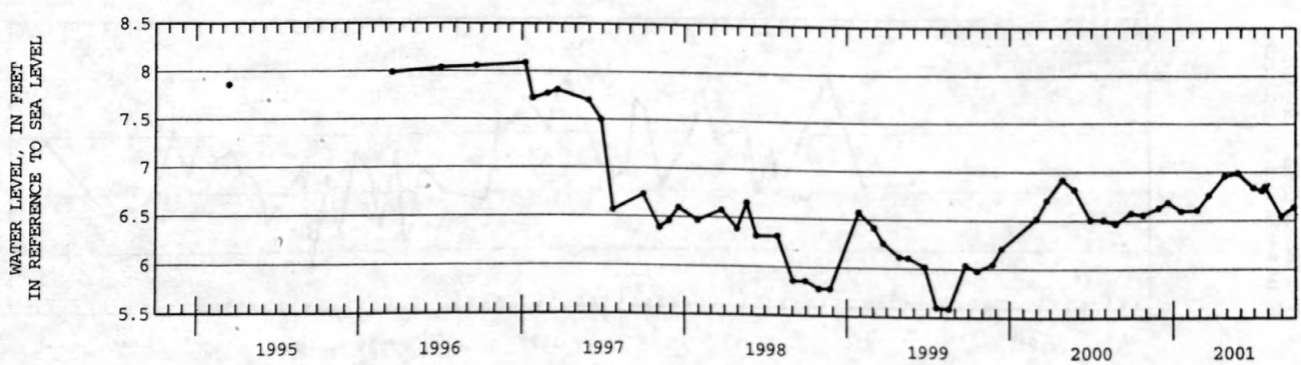
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.93	DEC 28	2.74	FEB 22	2.85	APR 25	3.12	AUG 21	2.91		
NOV 28	2.96	JAN 17	2.89	MAR 28	3.22	JUL 18	3.00				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.56	JAN 17	6.60	APR 25	6.96	JUL 17	6.81	SEP 26	6.64		
NOV 28	6.63	FEB 22	6.61	MAY 24	6.99	24	6.85				
DEC 19	6.69	MAR 20	6.76	JUN 28	6.84	AUG 29	6.55				

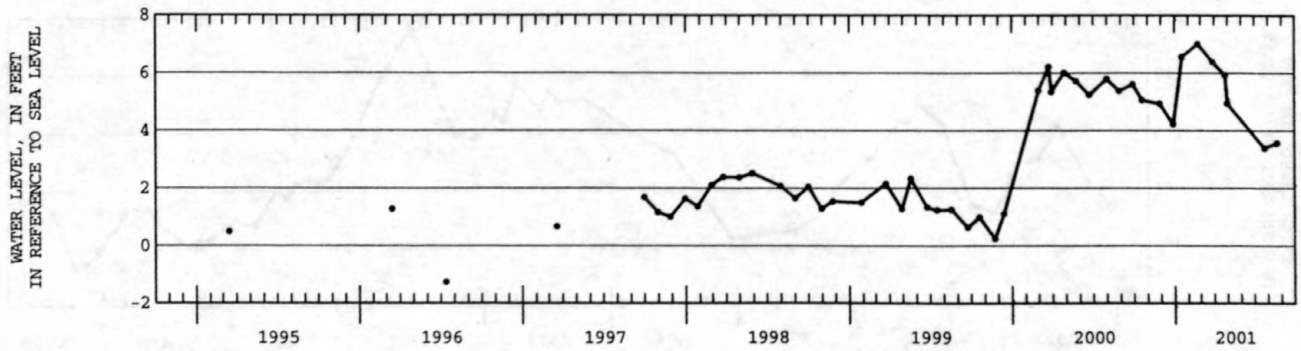


KINGS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

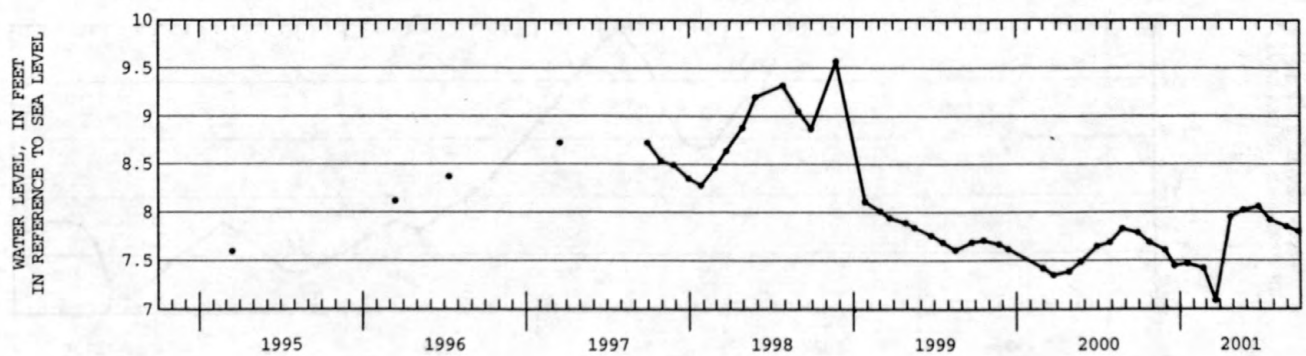
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	5.06	DEC 28	4.22	FEB 22	7.01	APR 25	5.93	JUL 24	3.39		
NOV 28	4.94	JAN 17	6.56	MAR 28	6.39	30	4.95	AUG 21	3.57		



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, 7.09 ft above sea level, March 21, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	7.69	DEC 19	7.45	FEB 22	7.42	APR 25	7.95	JUN 28	8.06	AUG 30	7.85
NOV 28	7.61	JAN 17	7.47	MAR 21	7.09	MAY 24	8.02	JUL 24	7.92	SEP 26	7.80

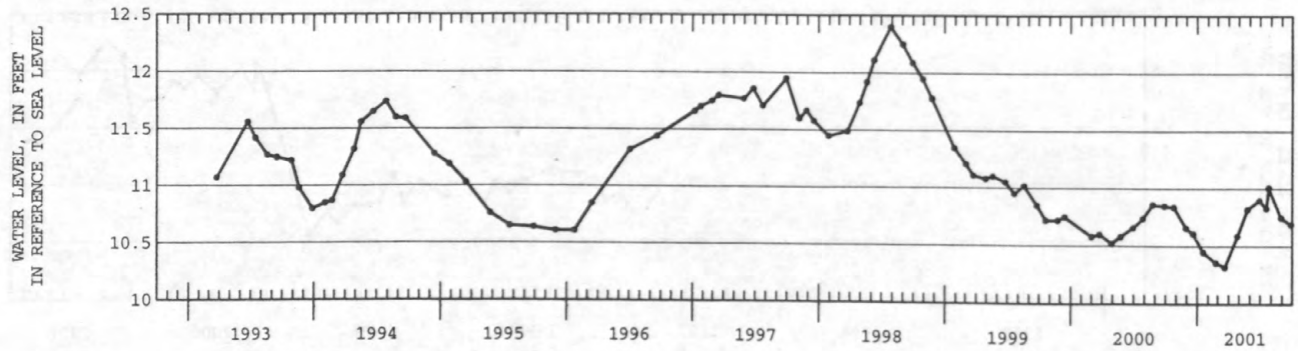


KINGS COUNTY--Continued

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, 10.32 ft above sea level, March 20, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

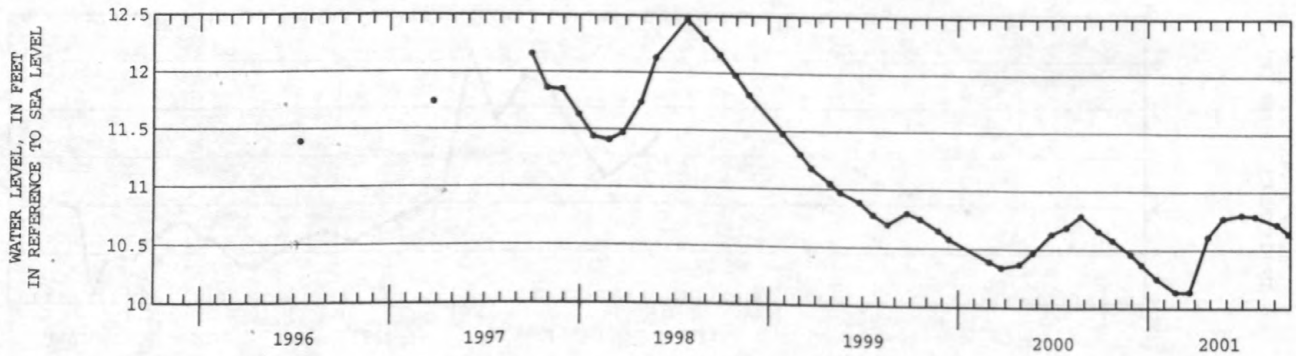
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.84	JAN 17	10.45	APR 25	10.59	JUL 17	10.83	SEP 26	10.69		
NOV 28	10.66	FEB 22	10.36	MAY 24	10.82	24	11.01				
DEC 19	10.61	MAR 20	10.32	JUN 28	10.90	AUG 29	10.75				



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, 10.14 ft above sea level, February 22 and March 21, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.58	DEC 19	10.37	FEB 22	10.14	APR 25	10.61	JUN 28	10.80	SEP 04	10.72
NOV 28	10.46	JAN 17	10.25	MAR 21	10.14	MAY 24	10.77	JUL 24	10.79	26	10.64

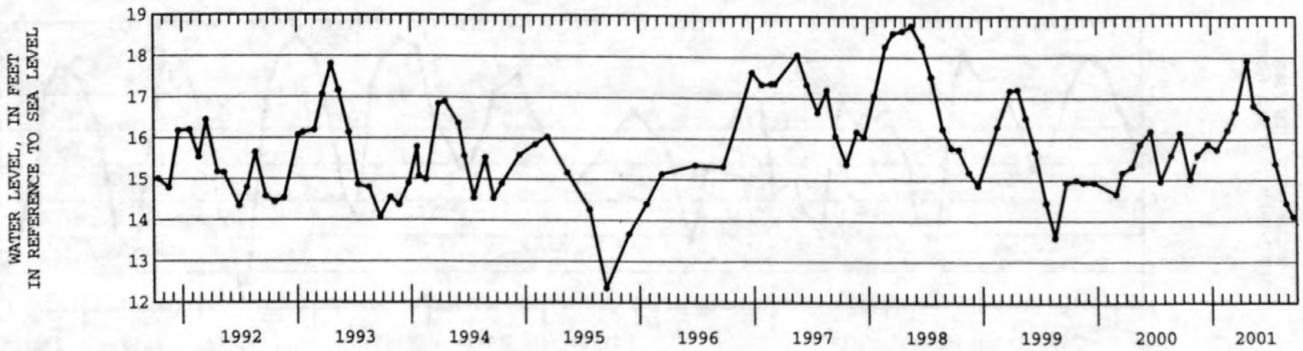


NASSAU COUNTY

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.03	DEC 19	15.88	FEB 20	16.23	APR 26	17.92	JUN 27	16.52	AUG 28	14.43
NOV 16	15.62	JAN 17	15.75	MAR 19	16.66	MAY 16	16.82	JUL 24	15.40	SEP 19	14.11



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, 7.85 ft above sea level, August 30, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

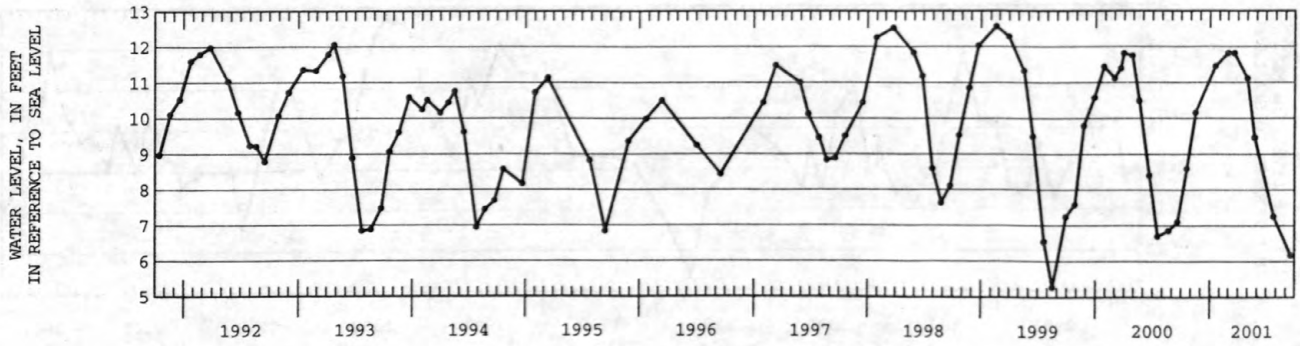
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.75	DEC 19	9.91	FEB 20	10.58	APR 26	12.11	AUG 28	10.21		
NOV 16	9.87	JAN 17	9.91	MAR 19	10.87	MAY 16	11.68	SEP 19	9.70		

NASSAU COUNTY--Continued

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.
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 2000 TO SEPTEMBER 2001

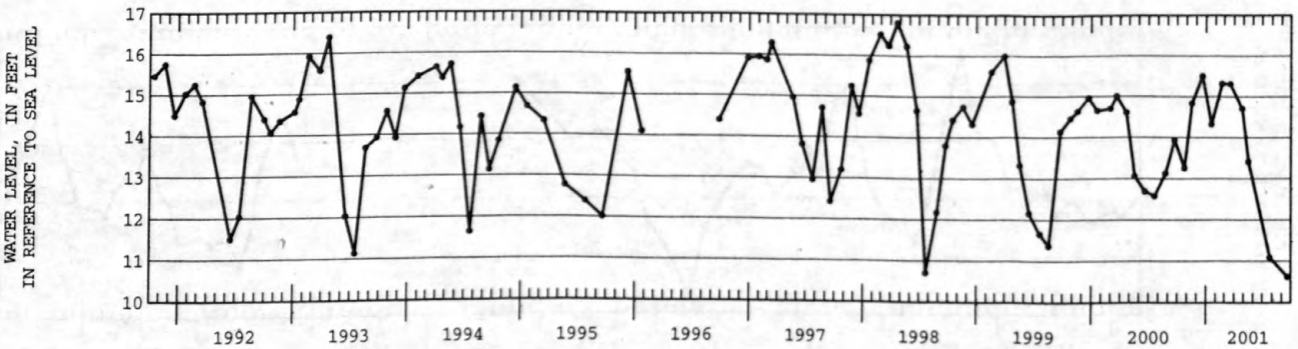
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	8.60	JAN 17	11.46	MAR 19	11.82	MAY 24	9.47	SEP 18	6.18		
NOV 15	10.16	FEB 27	11.82	APR 30	11.12	JUL 24	7.26				



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: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused steel well, diameter 4 in. to 6 in., depth 723 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked 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 2000 TO SEPTEMBER 2001

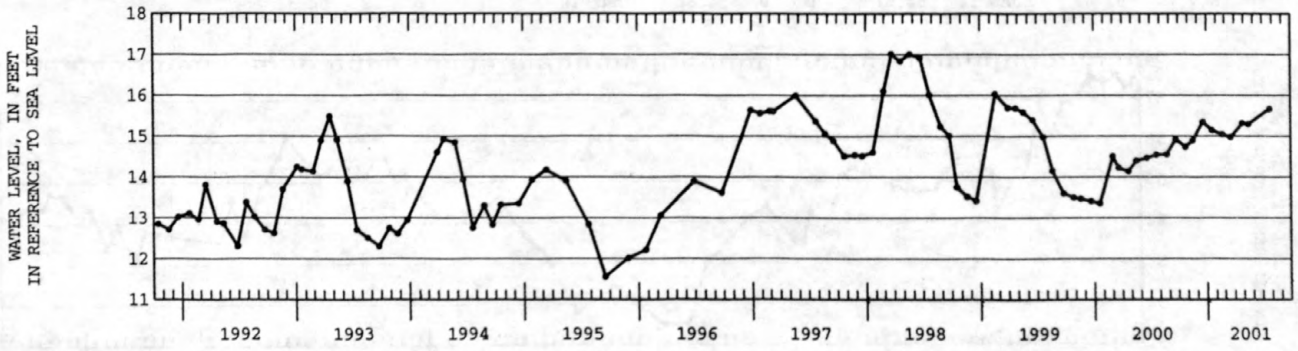
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.26	DEC 20	15.51	FEB 20	15.32	APR 26	14.71	JUL 24	11.09		
NOV 16	14.84	JAN 17	14.33	MAR 19	15.31	MAY 16	13.41	SEP 19	10.62		



404039073420001. Local number, N1110.1
LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Valley Stream State Park, southeast corner of North Fletcher Avenue and park entrance, Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 1 ¼ in., depth 27 ft, screened 24 to 27 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 casing, 0.80 ft below land-surface datum.
PERIOD OF RECORD.--October 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.81 ft above sea level, September 28, 1938; lowest measured, 5.78 ft above sea level, September 15, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

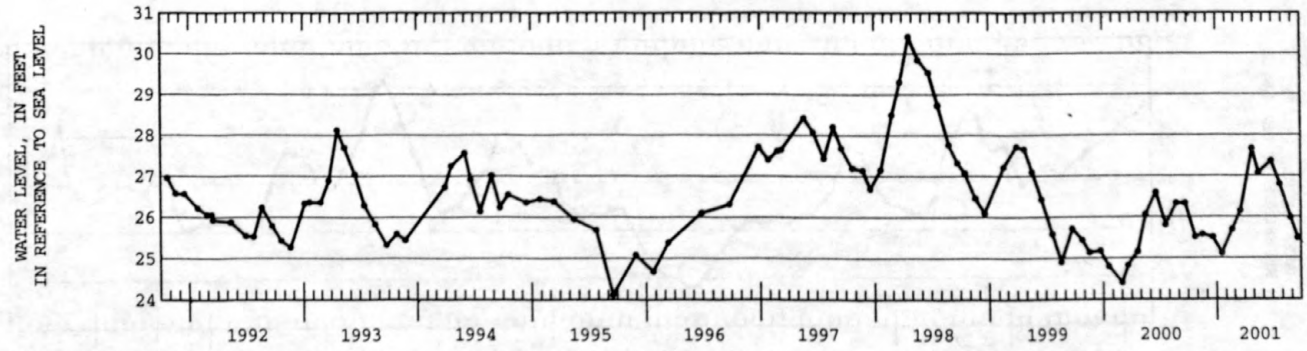
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	14.74	DEC 19	15.35	FEB 20	15.05	APR 26	15.32	JUL 24	15.67		
NOV 16	14.90	JAN 17	15.15	MAR 19	14.98	MAY 16	15.30				



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 ¼ 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 at 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.52	DEC 19	25.51	FEB 20	25.70	APR 26	27.67	JUN 27	27.37	AUG 28	25.98
NOV 16	25.58	JAN 17	25.12	MAR 19	26.15	MAY 16	27.07	JUL 24	26.80	SEP 19	25.49

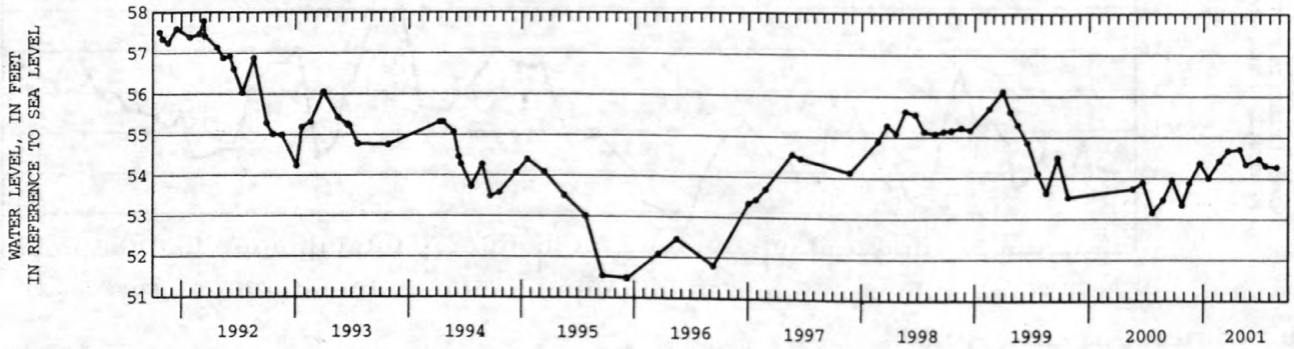


NASSAU COUNTY--Continued

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 ¼ 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 at 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, 51.47 ft above sea level, December 8, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

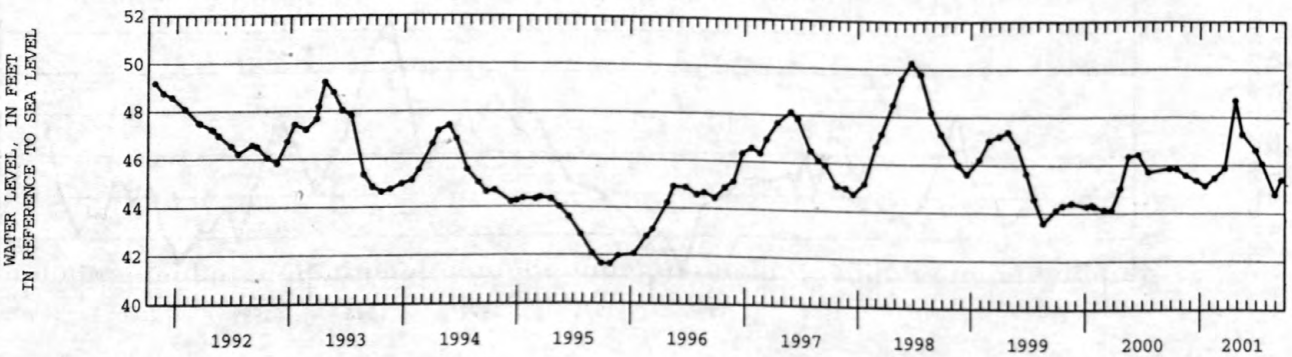
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	53.35	DEC 19	54.37	FEB 20	54.43	APR 26	54.71	JUN 27	54.48	AUG 23	54.28
NOV 16	53.89	JAN 16	54.01	MAR 20	54.68	MAY 16	54.34	JUL 18	54.31		



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 ¼ 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 at 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, 41.64 ft above sea level, October 26, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	45.86	DEC 19	45.38	FEB 15	45.48	APR 23	48.71	JUN 27	46.64	AUG 28	44.79
NOV 15	45.59	JAN 16	45.15	MAR 20	45.89	MAY 15	47.30	JUL 18	46.08	SEP 18	45.40

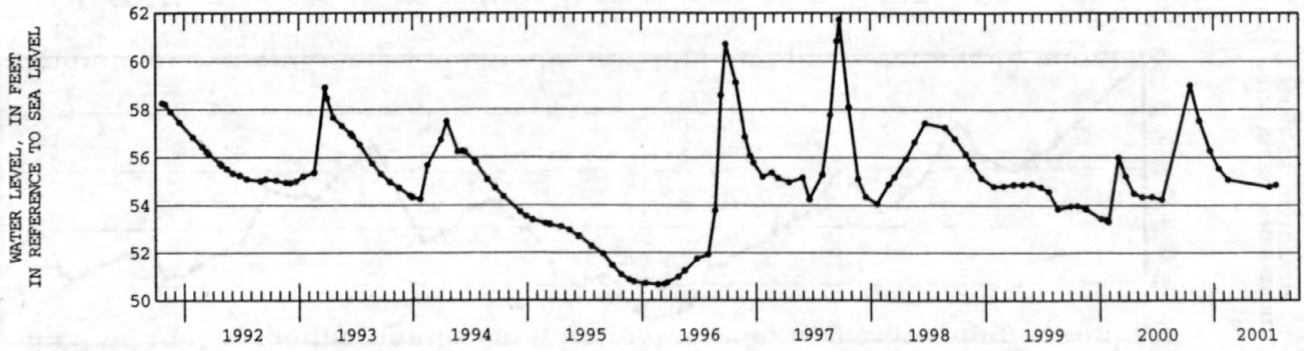


NASSAU COUNTY--Continued

404446073392904. Local number, N1614.4
LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at west side of Herricks Road, 135 ft north of Birchwood Drive, North Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 1 ¼ 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 101.0 ft above sea level. Measuring point: Top of casing, 1.16 ft below land-surface datum.
REMARKS.--Replaced well N 1614.3 in April 1966 at same location.
PERIOD OF RECORD.--April 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.85 ft above sea level, September 16, 1997; lowest measured, 48.42 ft above sea level, December 21, 1970.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	59.00	DEC 19	56.29	FEB 15	55.07	JUL 18	54.85				
NOV 15	57.54	JAN 16	55.54	JUN 27	54.77						



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 at 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, 34.54 ft above sea level, November 28, 1995

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

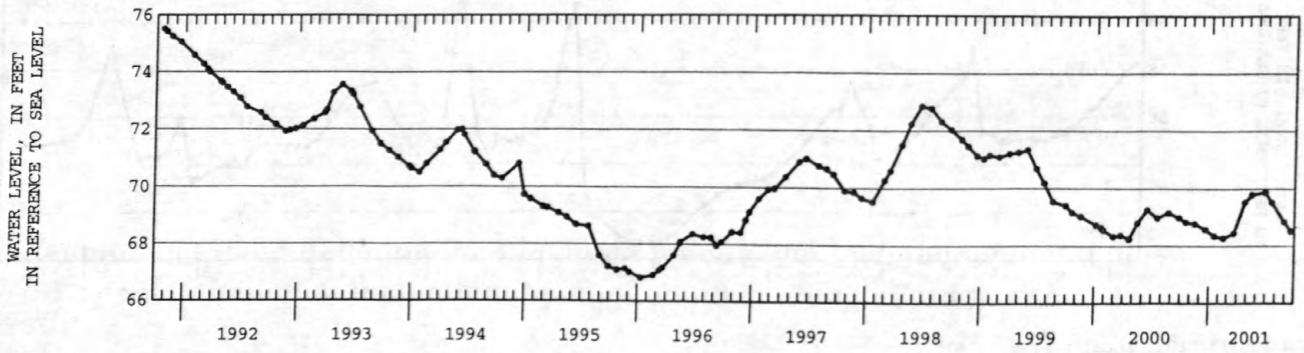
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	37.10	DEC 19	36.87	FEB 15	37.65	APR 23	39.48	JUN 27	38.50	AUG 28	36.79
NOV 15	36.87	JAN 16	36.94	MAR 20	37.95	MAY 15	38.83	JUL 18	37.98	SEP 18	36.29

NASSAU COUNTY--Continued

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 2 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 at 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, 66.82 ft above sea level, January 11, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

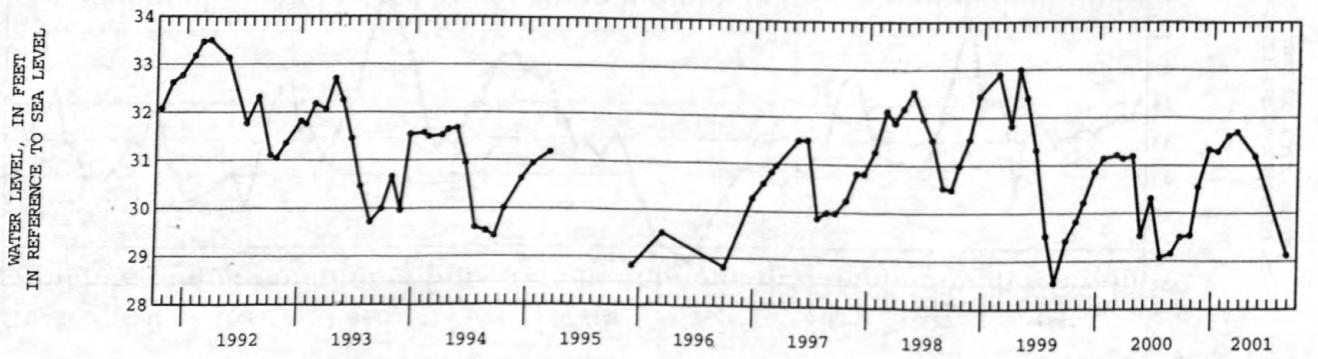
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	68.84	DEC 19	68.58	FEB 15	68.28	APR 23	69.53	JUN 27	69.88	AUG 28	68.85
NOV 15	68.78	JAN 16	68.36	MAR 20	68.45	MAY 15	69.79	JUL 18	69.53	SEP 18	68.53



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 2000 TO SEPTEMBER 2001

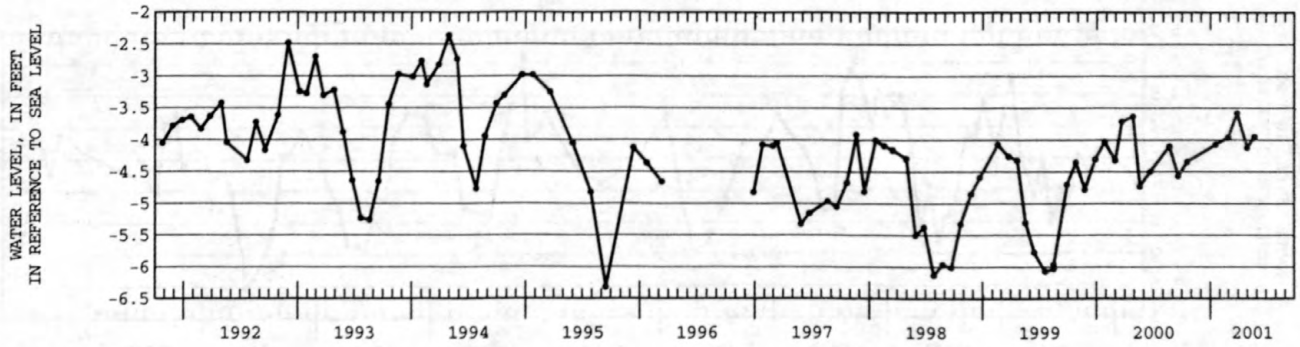
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	29.54	DEC 20	31.34	FEB 20	31.62	MAY 16	31.19				
NOV 16	30.55	JAN 17	31.29	MAR 19	31.70	AUG 28	29.13				



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 2000 TO SEPTEMBER 2001

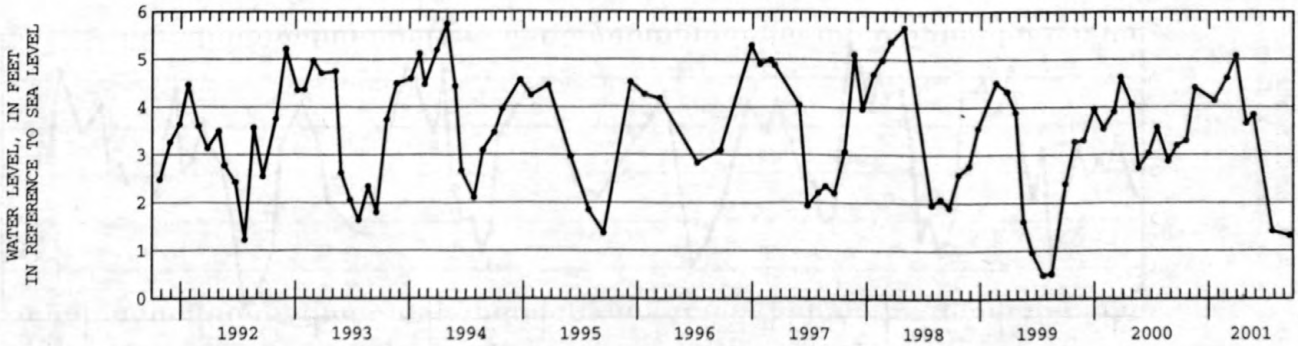
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	-4.34	JAN 17	-4.07	FEB 27	-3.96	MAR 28	-3.58	APR 30	-4.12	MAY 24	-3.95



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.30	JAN 17	4.14	MAR 28	5.08	MAY 24	3.84	SEP 19	1.32		
NOV 15	4.41	FEB 27	4.61	APR 30	3.66	JUL 24	1.41				

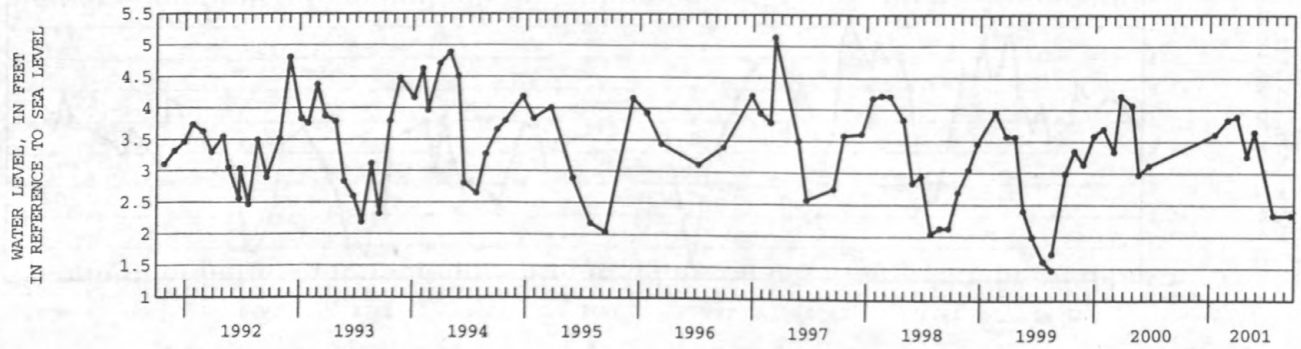


NASSAU COUNTY--Continued

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 2000 TO SEPTEMBER 2001

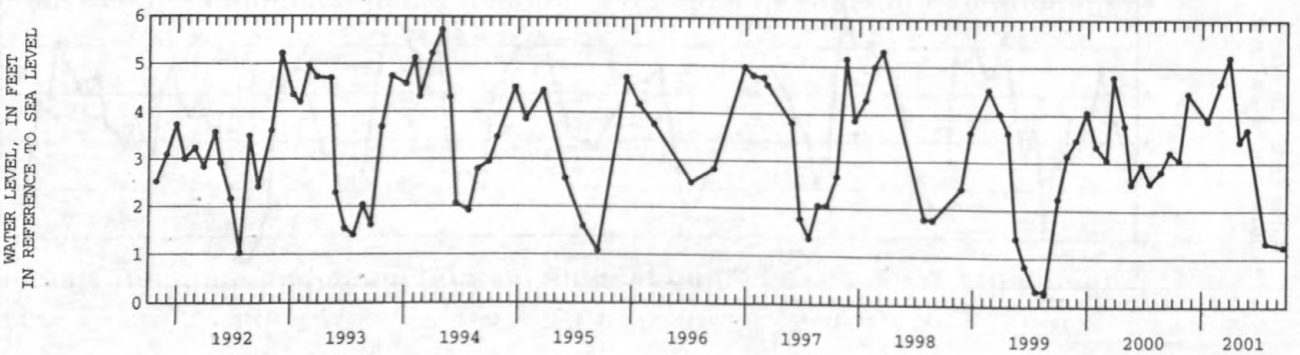
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	3.61	MAR 28	3.89	MAY 24	3.65	SEP 19	2.34				
FEB 27	3.84	APR 30	3.26	JUL 24	2.34						



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.06	JAN 17	3.89	MAR 28	5.22	MAY 24	3.70	SEP 19	1.25		
NOV 15	4.46	FEB 27	4.66	APR 30	3.45	JUL 24	1.33				

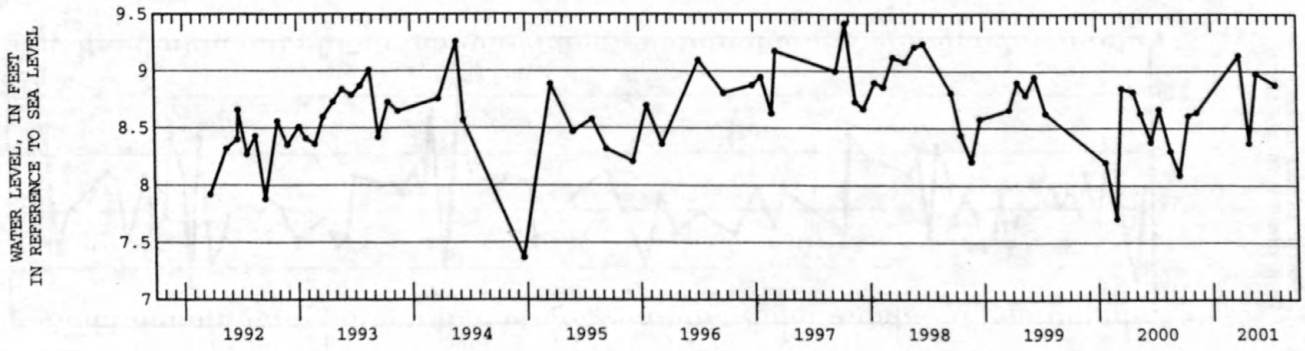


NASSAU COUNTY--Continued

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 2000 TO SEPTEMBER 2001

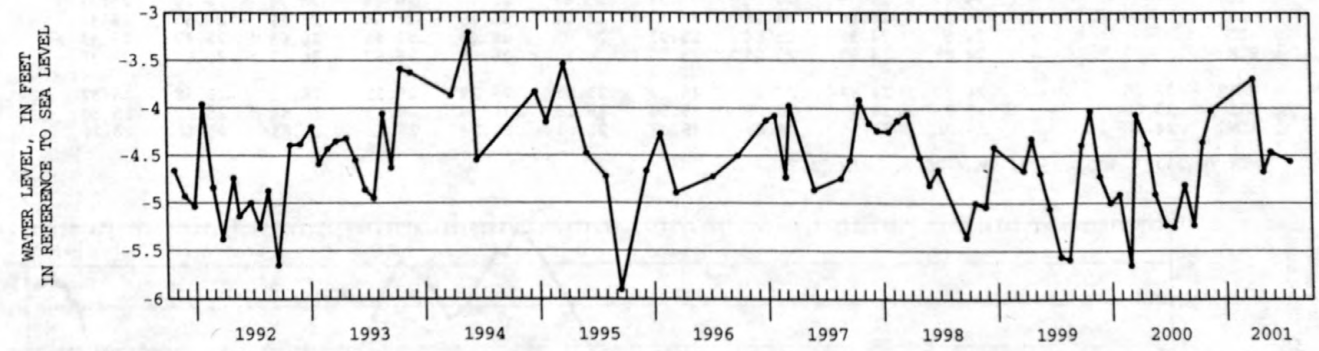
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	8.61	NOV 15	8.64	MAR 30	9.14	APR 30	8.37	MAY 24	8.98	JUL 24	8.88



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	-4.36	NOV 15	-4.03	MAR 30	-3.69	APR 30	-4.67	MAY 24	-4.46	JUL 24	-4.56

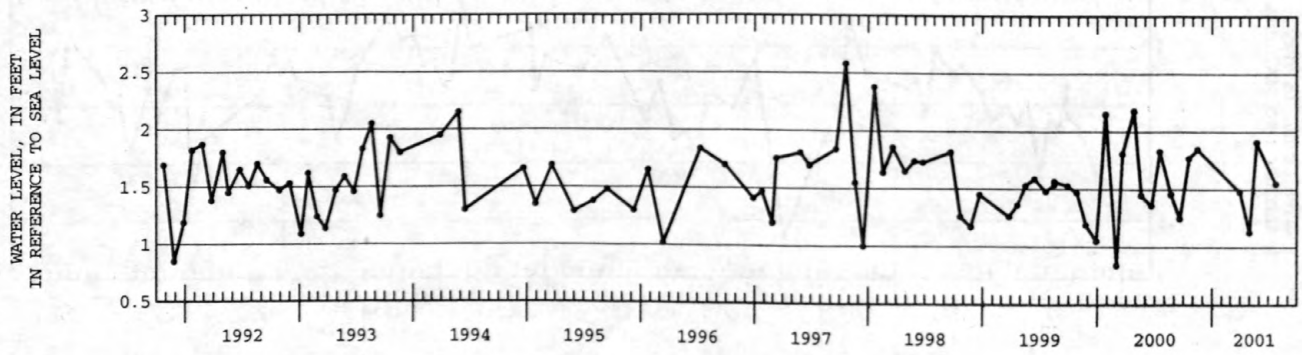


NASSAU COUNTY--Continued

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	1.77	NOV 15	1.85	MAR 30	1.48	APR 30	1.13	MAY 24	1.91	JUL 24	1.55

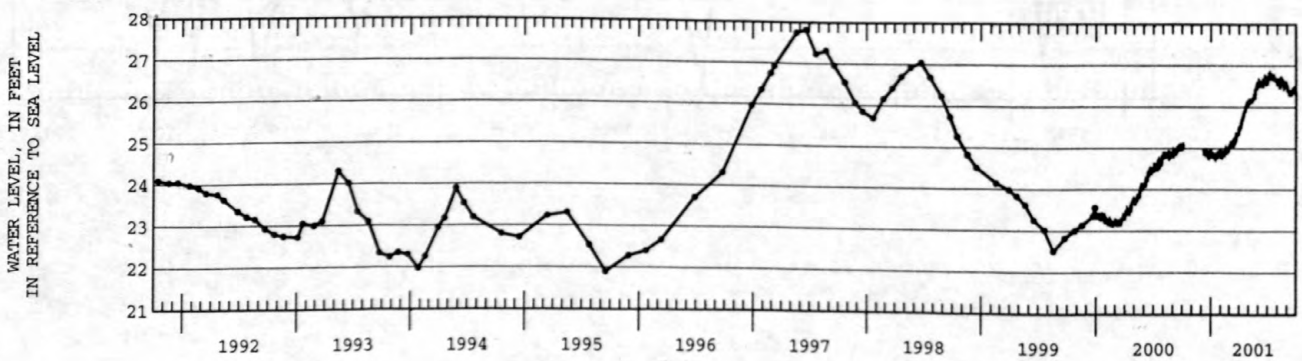


404237073433701. Local number, N7493.1
LOCATION.--Lat 40°42'36", long 73°43'35", Hydrologic Unit 02030202, at west side of Cross Island Parkway exit ramp (Hempstead Turnpike eastbound), 21 ft south of Hempstead Turnpike, Elmont. Owner: United States Geological Survey.
AQUIFER.--Magothy (confined).
WELL 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.05	---	---	24.88	24.95	25.13	25.54	26.16	26.62	26.84	26.58	26.41
10	---	---	24.84	24.85	24.95	25.10	25.71	26.17	26.58	26.80	26.53	26.33
15	---	---	24.82	24.79	24.95	25.24	25.84	26.19	26.48	26.74	26.69	26.41
20	---	---	24.91	24.90	24.96	25.17	25.94	26.19	26.64	26.69	26.55	26.35
25	---	---	24.81	24.87	25.04	25.31	26.05	26.46	26.65	26.68	26.47	26.43
EOM	---	---	24.89	24.97	25.05	25.50	26.13	26.56	26.62	26.67	26.54	26.30
MEAN	25.05	---	24.90	24.84	24.93	25.22	25.83	26.29	26.61	26.71	26.58	26.37
MAX	25.08	---	25.01	24.97	25.05	25.50	26.15	26.58	26.75	26.84	26.70	26.50
MIN	24.98	---	24.81	24.75	24.83	25.03	25.51	26.12	26.48	26.63	26.46	26.27

WTR YR 2001 MEAN 25.84 MAX 26.84 MIN 24.75

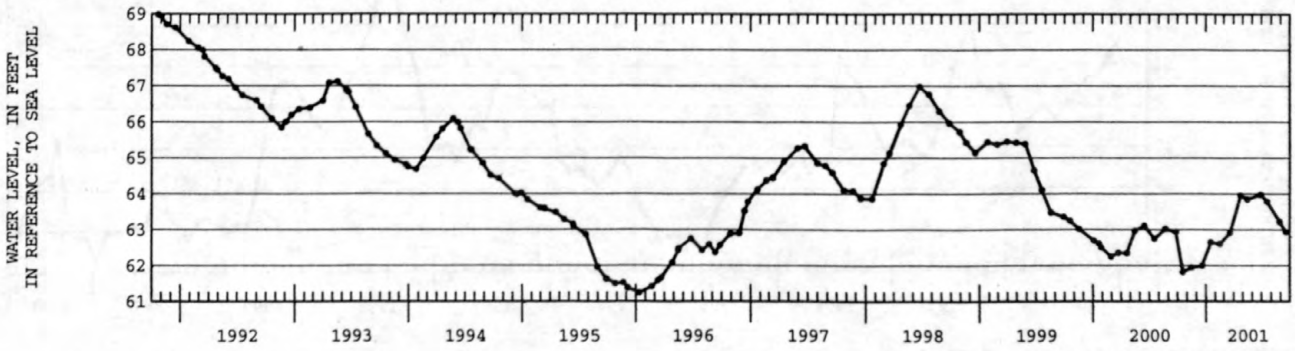


NASSAU COUNTY--Continued

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.--Driven 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 at 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, 61.24 ft above sea level, January 11, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

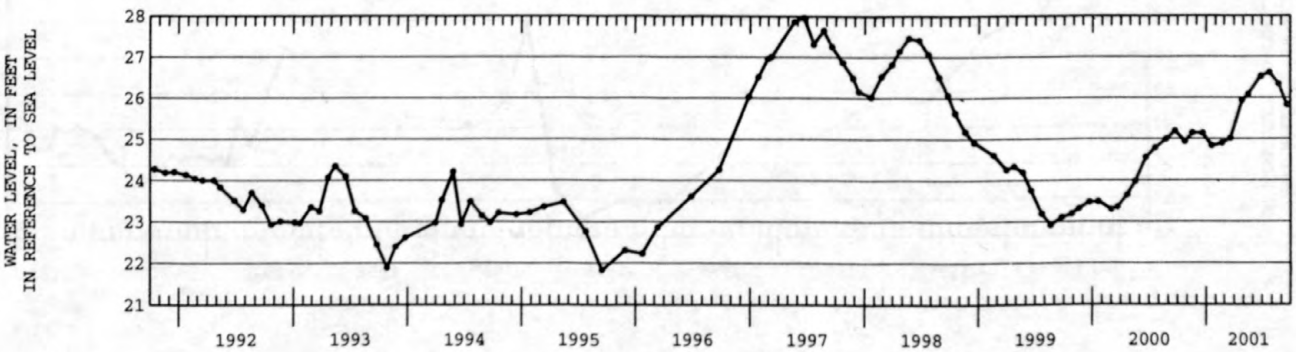
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	61.82	DEC 19	62.00	FEB 15	62.61	APR 23	63.96	JUN 27	63.98	AUG 28	63.23
NOV 15	61.95	JAN 16	62.65	MAR 20	62.92	MAY 15	63.85	JUL 18	63.79	SEP 18	62.94



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 at 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	24.94	DEC 19	25.14	FEB 20	24.90	APR 26	25.94	JUN 27	26.53	AUG 23	26.34
NOV 16	25.15	JAN 17	24.84	MAR 19	25.02	MAY 16	26.09	JUL 24	26.62	SEP 19	25.83

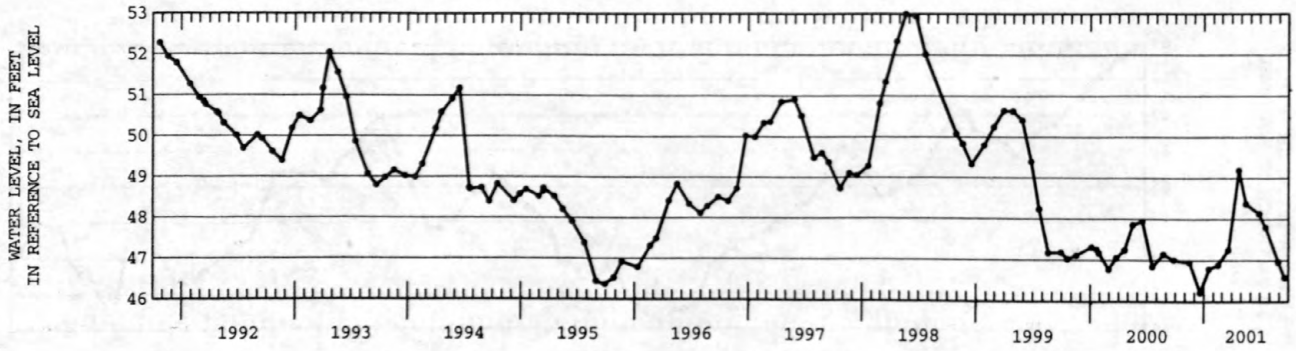


NASSAU COUNTY--Continued

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 at 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, 46.22 ft above sea level, December 19, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

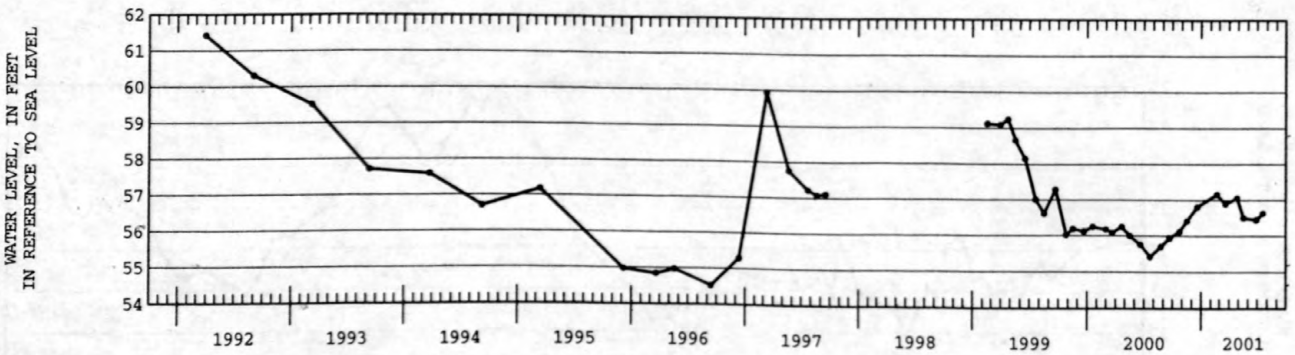
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	46.95	JAN 16	46.79	MAR 20	47.26	MAY 15	48.38	JUL 18	47.81	SEP 18	46.59
DEC 19	46.22	FEB 15	46.89	APR 23	49.20	JUN 27	48.14	AUG 28	46.96		



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, 54.52 ft above sea level, September 12, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	56.12	DEC 19	56.81	MAR 20	56.89	MAY 16	56.51	JUL 18	56.63		
NOV 16	56.42	FEB 20	57.16	APR 26	57.06	JUN 27	56.45				

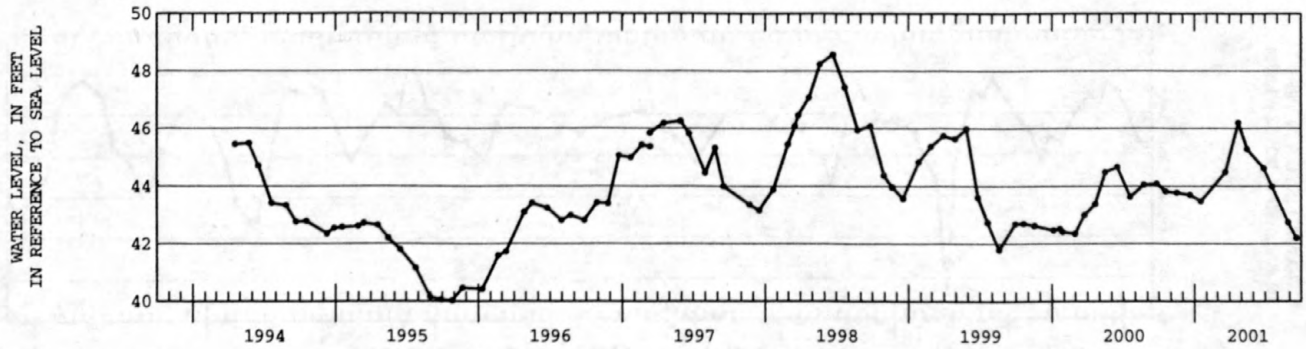


NASSAU COUNTY--Continued

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, 40.03 ft above sea level, October 26, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

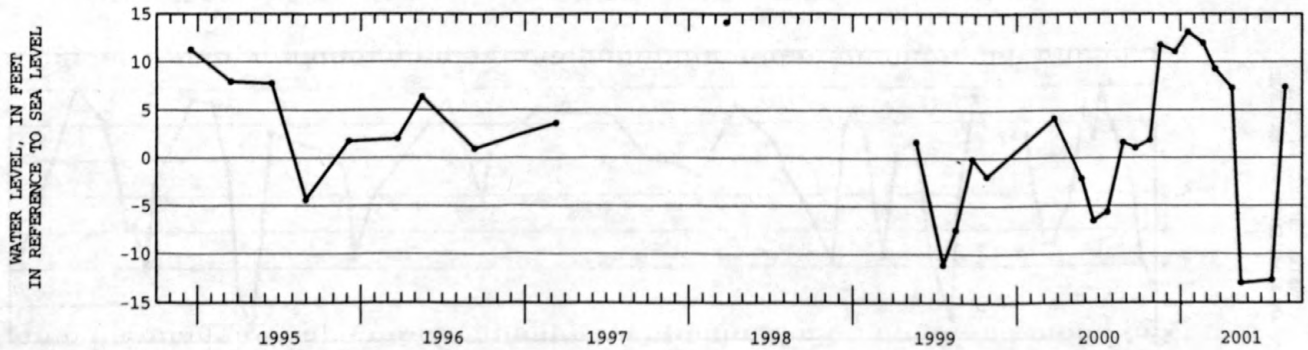
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	43.82	DEC 19	43.70	MAR 20	44.49	MAY 15	45.29	JUL 18	43.99	SEP 18	42.20
NOV 15	43.77	JAN 16	43.47	APR 23	46.21	JUN 27	44.62	AUG 28	42.74		



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, 12.95 ft below sea level, May 16, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	1.84	DEC 19	11.08	FEB 20	11.97	APR 26	7.31	JUL 24	-12.66		
NOV 16	11.78	JAN 17	13.11	MAR 19	9.29	MAY 16	-12.95	AUG 23	7.39		

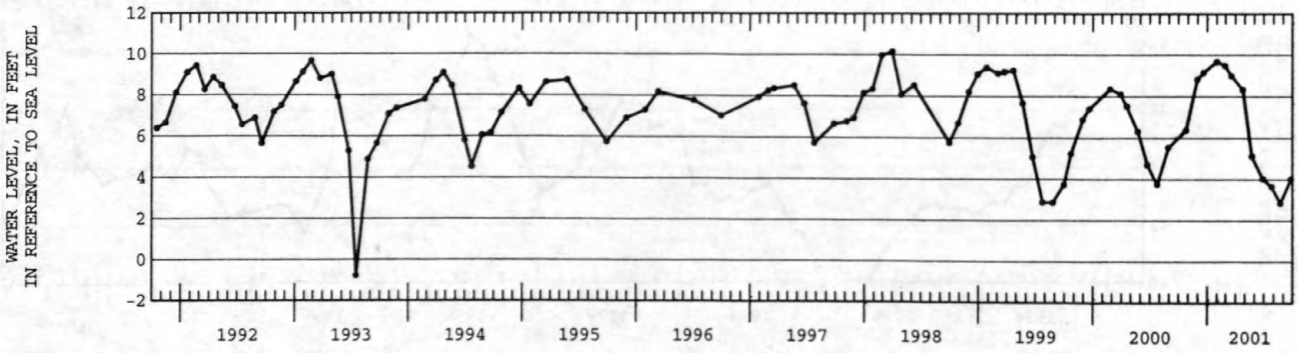


QUEENS COUNTY

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 2000 TO SEPTEMBER 2001

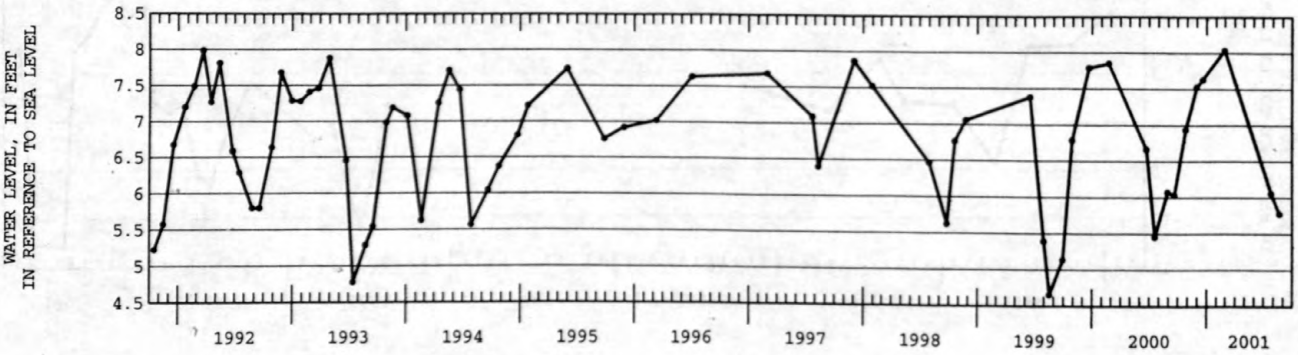
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.38	DEC 20	9.17	FEB 26	9.49	APR 24	8.34	JUN 27	4.05	AUG 22	2.87
NOV 29	8.83	JAN 31	9.69	MAR 19	8.99	MAY 23	5.15	JUL 25	3.66	SEP 25	4.03



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 2000 TO SEPTEMBER 2001

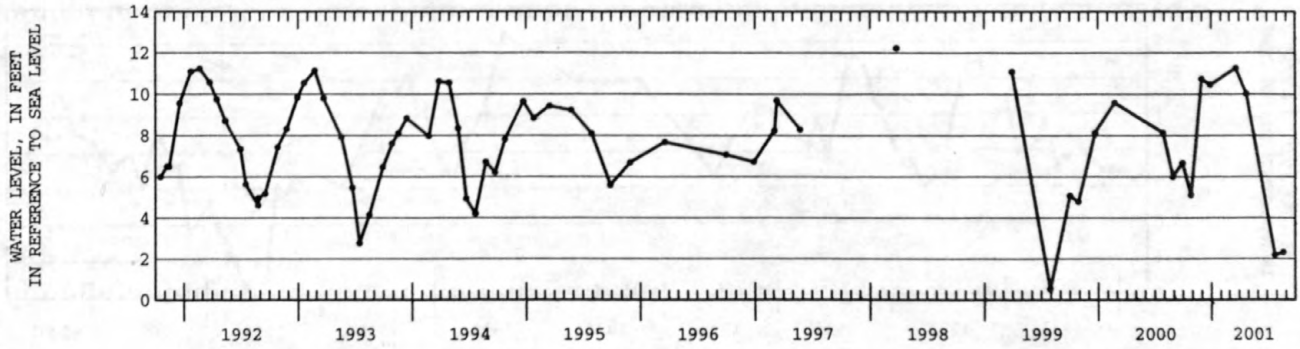
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	6.94	NOV 29	7.53	DEC 19	7.63	FEB 26	8.04	JUL 25	6.06	AUG 21	5.78



404541073452601. Local number, Q470.1
LOCATION.--Lat 40°45'41", long 73°45'26", Hydrologic Unit 02030201, at west side of Cross Island Parkway, 325 ft south of Northern Boulevard (State Route 25A), southernmost well, Bayside. Owner: City of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel abandoned public supply well, diameter 6 in., depth 379 ft, screened 347 to 375 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 13.0 ft above sea level. Measuring point: Top of coupling, 0.73 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--January 1934 to current year. Unpublished records from January 1934 to January 1935, January 1940 to December 1940, and July 1954 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.23 ft above sea level, March 26, 1998; lowest measured, 7.44 ft below sea level, July 29, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.11	DEC 28	10.45	APR 24	10.03	AUG 22	2.33				
NOV 29	10.75	MAR 21	11.26	JUL 25	2.19						

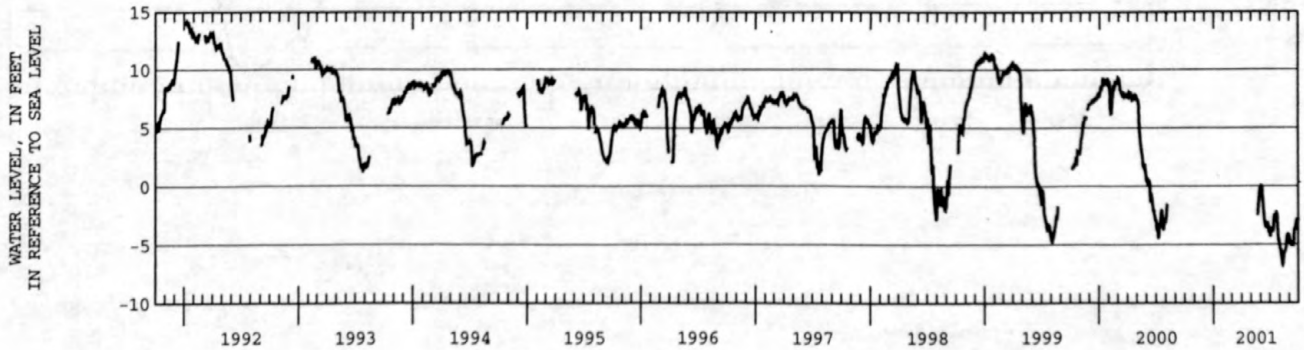


404418073434101. Local number, Q577.1
LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, in recorder shelter, Bellerose. Owner: State of New York.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	-.24	-3.53	-5.76	-4.96
10	---	---	---	---	---	---	---	---	-2.20	-3.65	-6.69	-5.14
15	---	---	---	---	---	---	---	---	-3.37	-2.47	-5.74	-4.96
20	---	---	---	---	---	---	---	---	-3.30	-2.25	-5.40	-3.65
25	---	---	---	---	---	---	---	-1.26	-3.58	-3.71	-4.23	-2.96
EOM	---	---	---	---	---	---	---	-.08	-4.08	-5.07	-4.28	-2.99
MEAN	---	---	---	---	---	---	---	-.97	-2.54	-3.45	-5.38	-4.06
MAX	---	---	---	---	---	---	---	-.08	.11	-2.22	-4.14	-2.70
MIN	---	---	---	---	---	---	---	-2.49	-4.08	-5.07	-6.73	-5.17

WTR YR 2001 MEAN -3.65 MAX .11 MIN -6.73

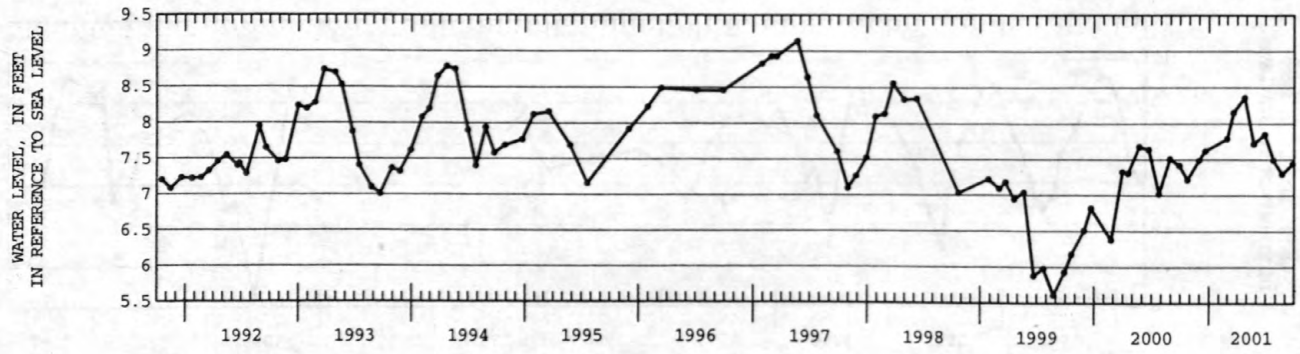


QUEENS COUNTY--Continued

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, westernmost well, in ravine, Rosedale. Owner: City of New York.
AQUIFER.--Jameco (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 8 in., depth 130 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked 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 2000 TO SEPTEMBER 2001

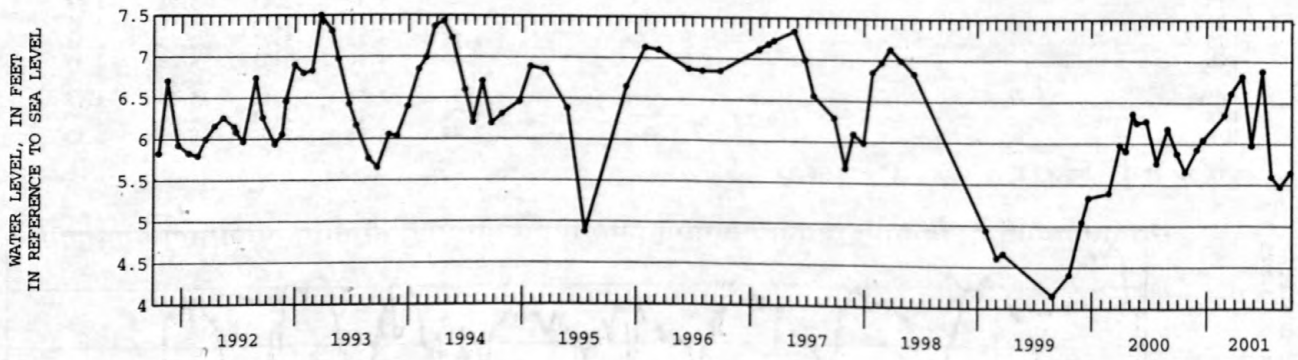
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.22	DEC 19	7.62	MAR 19	8.15	MAY 23	7.72	JUL 25	7.49	SEP 25	7.44
NOV 29	7.49	FEB 26	7.79	APR 24	8.36	JUN 27	7.85	AUG 22	7.30		



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, easternmost well, in ravine, Rosedale. Owner: City of New York.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled steel observation well, diameter 6 in., depth 50 ft, screen assumed at bottom.
INSTRUMENTATION.--Measurement with chalked 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.66	DEC 19	6.05	MAR 19	6.61	MAY 23	5.98	JUL 25	5.60	SEP 25	5.65
NOV 29	5.93	FEB 26	6.35	APR 24	6.82	JUN 27	6.88	AUG 22	5.48		



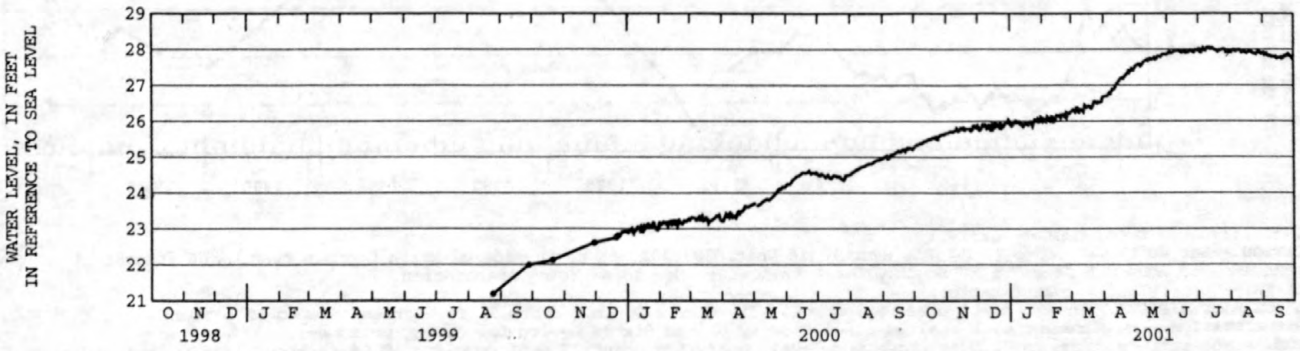
QUEENS COUNTY--Continued

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 at same location, which has a period of record from October 1940 to July 1999.
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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.36	25.72	25.90	26.01	26.12	26.37	26.74	27.60	27.90	28.03	27.95	27.84
10	25.44	25.80	25.82	25.93	26.12	26.32	26.89	27.68	27.96	28.06	27.98	27.81
15	25.51	25.79	25.80	25.94	26.16	26.38	27.11	27.75	27.92	28.01	27.91	27.77
20	25.53	25.82	25.92	25.99	26.19	26.36	27.22	27.72	27.94	27.95	27.95	27.76
25	25.60	25.75	25.85	26.02	26.23	26.50	27.35	27.79	27.94	28.02	27.86	27.88
EOM	25.67	25.87	25.97	26.10	26.27	26.68	27.50	27.86	28.01	27.94	27.93	27.75
MEAN	25.49	25.77	25.88	25.96	26.12	26.42	27.09	27.72	27.94	27.99	27.94	27.81
MAX	25.67	25.88	26.04	26.11	26.27	26.68	27.50	27.87	28.01	28.06	28.00	27.93
MIN	25.30	25.68	25.72	25.85	25.98	26.24	26.70	27.53	27.88	27.92	27.86	27.74

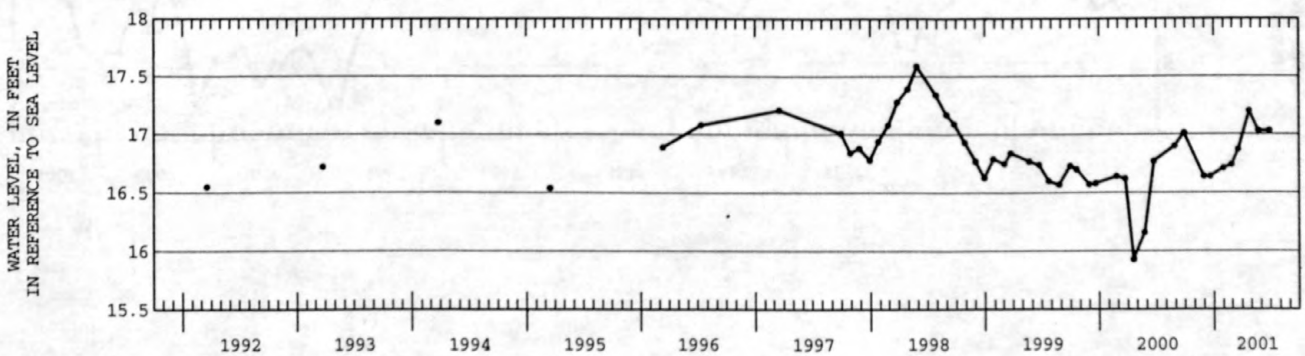
WTR YR 2001 MEAN 26.85 MAX 28.06 MIN 25.30



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	16.64	JAN 31	16.71	MAR 19	16.87	MAY 23	17.03				
DEC 20	16.64	FEB 26	16.74	APR 24	17.20	JUN 27	17.03				

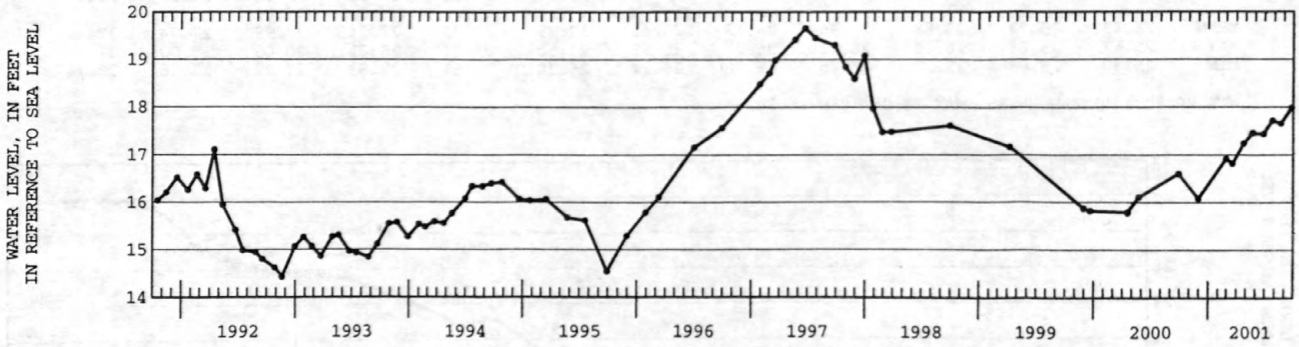


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

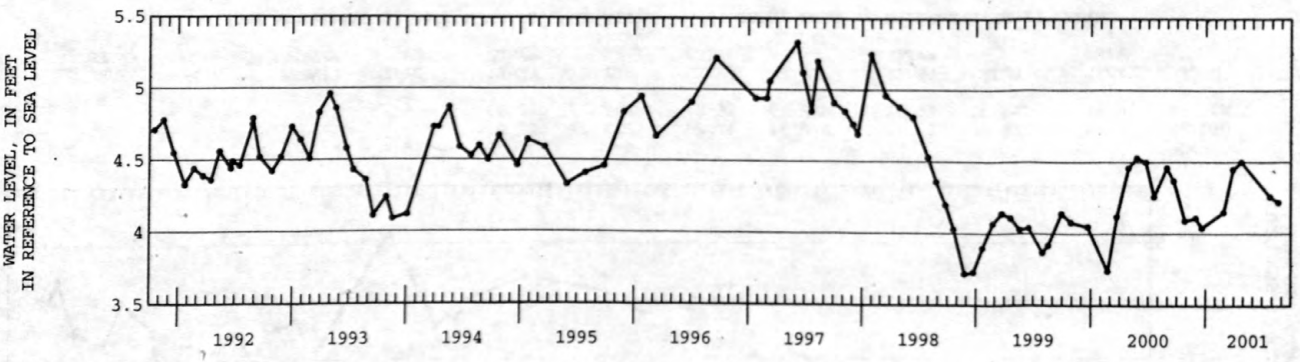
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	16.08	MAR 19	16.82	MAY 23	17.46	JUL 25	17.72	SEP 25	17.99		
FEB 26	16.92	APR 24	17.24	JUN 27	17.44	AUG 22	17.66				



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 ½ 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.09	DEC 19	4.04	MAR 28	4.45	JUL 25	4.26				
NOV 29	4.11	FEB 26	4.15	APR 24	4.50	AUG 21	4.22				

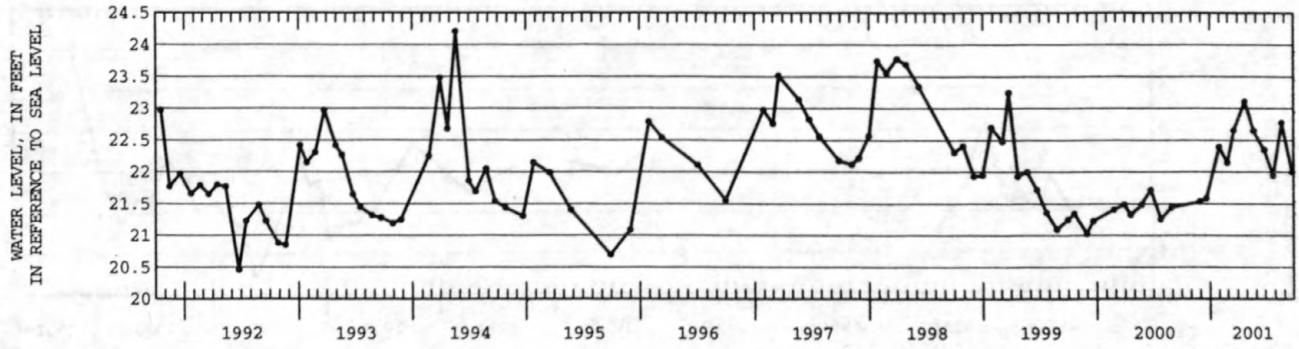


QUEENS COUNTY--Continued

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 ¼ 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	21.54	JAN 31	22.40	MAR 19	22.66	MAY 23	22.65	JUL 25	21.94	SEP 25	22.00
DEC 20	21.59	FEB 26	22.15	APR 24	23.11	JUN 27	22.35	AUG 22	22.78		

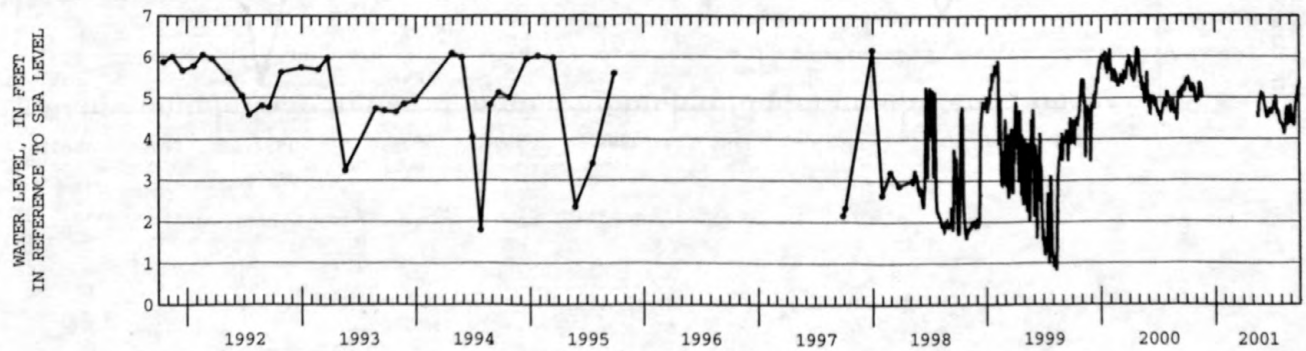


404025073463801. Local number, Q2422.1
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at south side of 132nd Street, 140 ft west of Guy R. Brewer Boulevard, in pumping station, Springfield Gardens. Owner: City of New York.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.42	5.00	---	---	---	---	---	---	5.05	4.73	4.34	4.47
10	5.34	5.34	---	---	---	---	---	---	4.80	4.89	4.23	4.45
15	5.18	5.33	---	---	---	---	---	---	4.54	5.05	4.25	4.45
20	5.29	5.06	---	---	---	---	---	4.53	4.58	4.71	4.75	4.99
25	5.21	---	---	---	---	---	---	4.93	4.66	4.63	4.37	5.25
EOM	4.87	---	---	---	---	---	---	5.02	4.69	4.37	4.76	5.41
MEAN	5.23	5.13	---	---	---	---	---	4.85	4.75	4.71	4.43	4.78
MAX	5.46	5.34	---	---	---	---	---	5.08	5.12	5.05	4.80	5.41
MIN	4.87	4.92	---	---	---	---	---	4.53	4.52	4.37	4.12	4.32

WTR YR 2001 MEAN 4.82 MAX 5.46 MIN 4.12

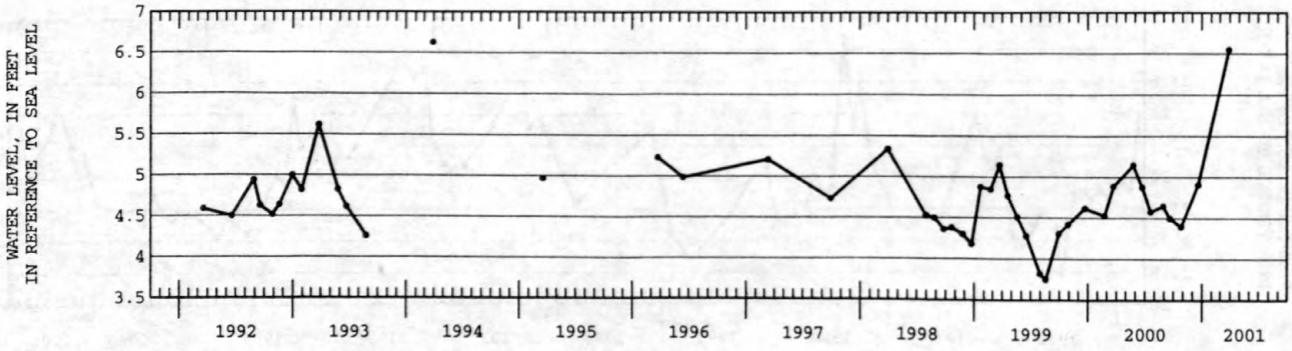


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

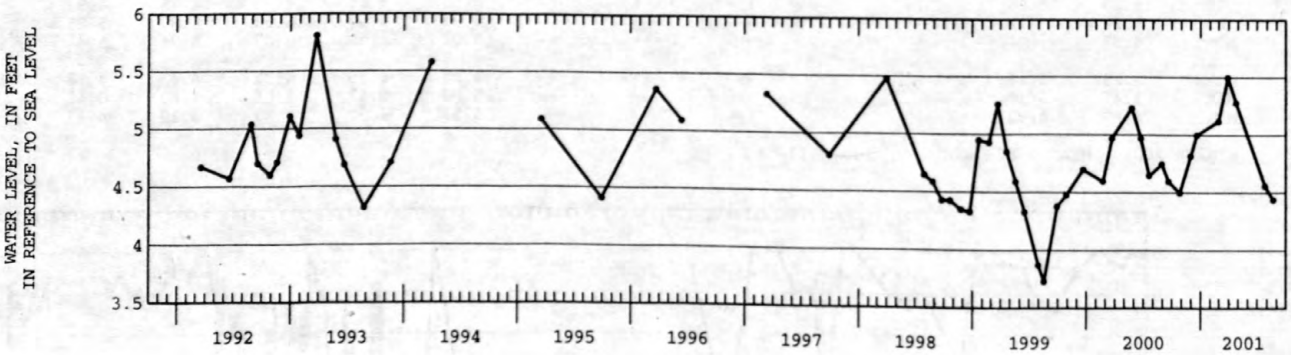
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.40	DEC 19	4.91	MAR 28	6.55



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.50	DEC 19	5.00	MAR 28	5.50	JUL 25	4.56				
NOV 29	4.82	FEB 26	5.12	APR 24	5.28	AUG 21	4.44				

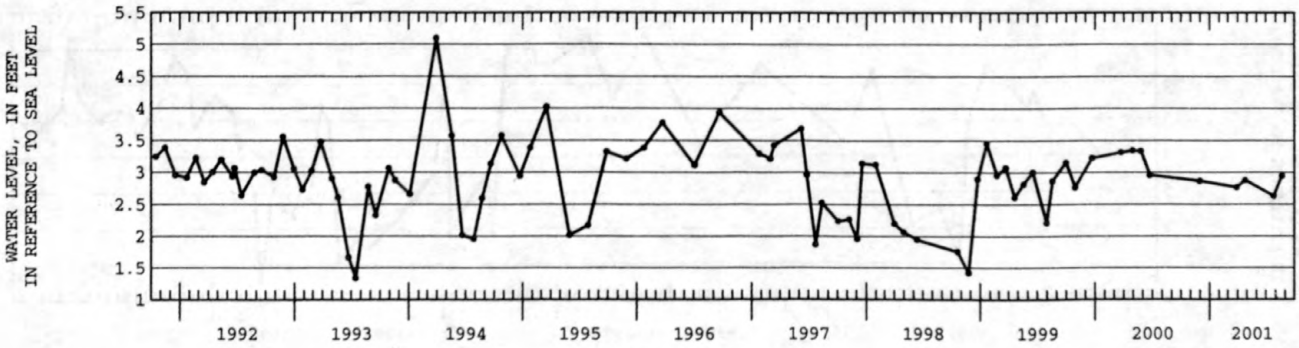


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

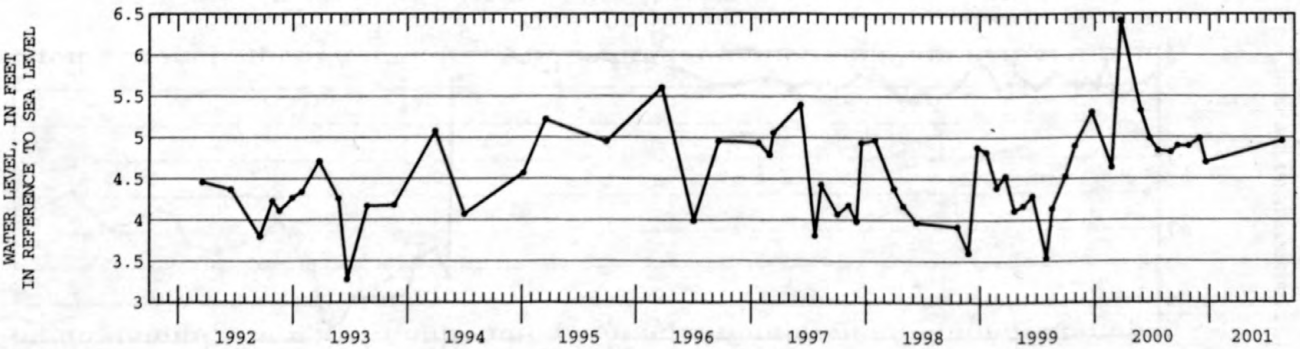
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	2.87	MAR 28	2.77	APR 24	2.88	JUL 25	2.63	AUG 21	2.95



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.
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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.90	NOV 29	4.99	DEC 19	4.70	AUG 21	4.96

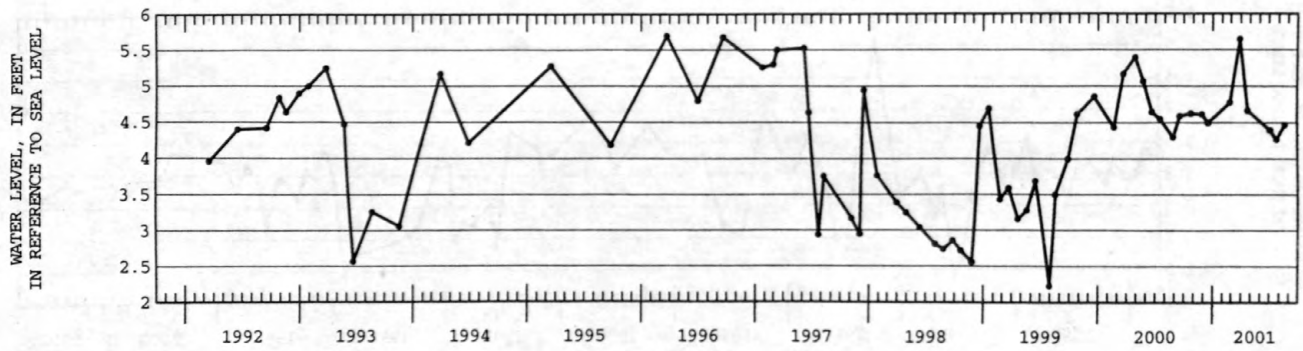


QUEENS COUNTY--Continued

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.
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 2000 TO SEPTEMBER 2001

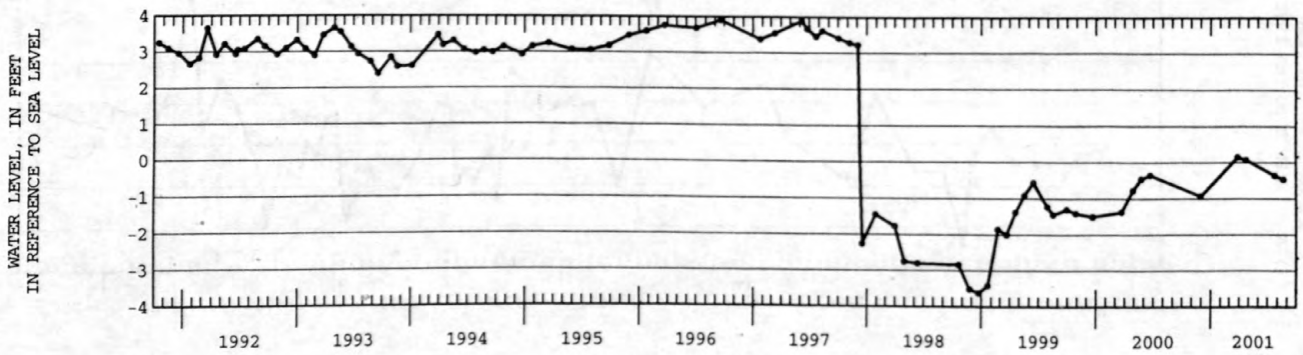
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.63	DEC 19	4.50	MAR 28	5.65	JUL 05	4.40	AUG 21	4.47		
NOV 29	4.62	FEB 26	4.78	APR 24	4.67	25	4.27				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	-.92	MAR 28	.16	APR 24	.08	JUL 24	-.35	AUG 21	-.46

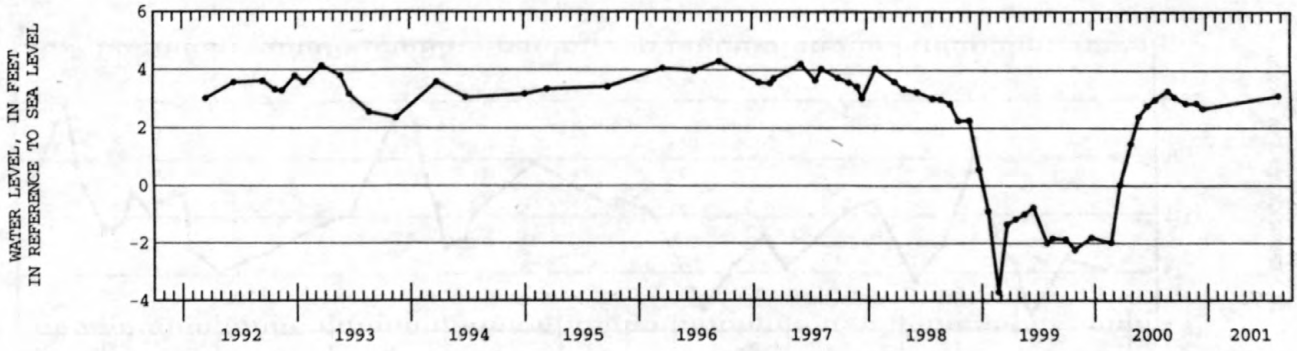


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	2.87	NOV 29	2.87	DEC 19	2.69	AUG 21	3.13

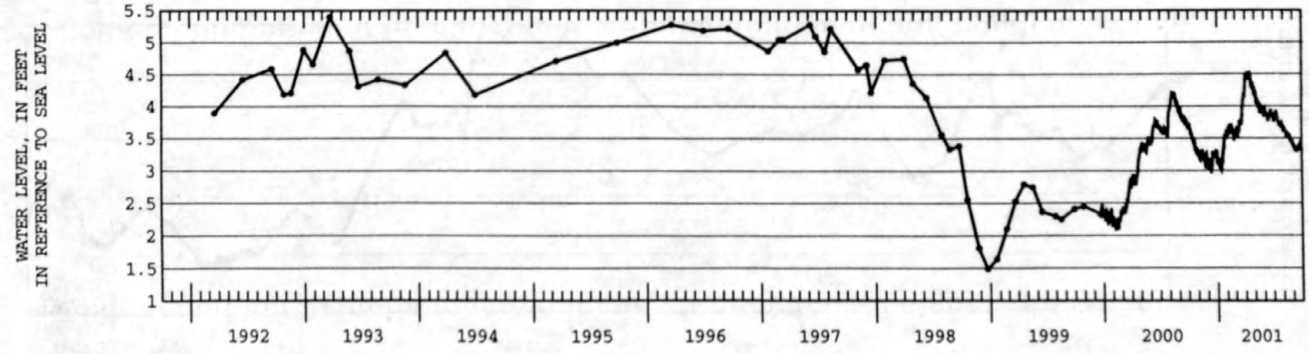


403939073472802. Local number, Q3117.1
LOCATION.--Lat 40°39'39", long 73°47'28", Hydrologic Unit 02030202, at John F. Kennedy International Airport, east side of North Boundary Road, south of 150th Avenue, southernmost well. Owner: New York Port Authority.
AQUIFER.--Upper glacial (water table).
WELL 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.63	3.22	3.19	3.19	3.68	3.67	4.48	4.13	3.89	3.89	3.59	3.35
10	3.58	3.32	3.05	3.07	3.70	3.63	4.44	4.10	3.84	3.92	3.60	3.32
15	3.48	3.28	3.04	3.11	3.70	3.74	4.51	4.01	3.79	3.77	3.56	3.33
20	3.39	3.20	3.25	3.29	3.63	3.71	4.33	3.89	3.91	3.72	3.54	3.33
25	3.34	3.08	3.21	3.49	3.60	4.11	4.27	3.90	3.86	3.73	3.45	3.43
EOM	3.26	3.20	3.23	3.62	3.59	4.41	4.23	3.85	3.85	3.63	3.47	3.35
MEAN	3.47	3.21	3.17	3.25	3.61	3.83	4.41	4.01	3.87	3.78	3.55	3.35
MAX	3.74	3.33	3.32	3.63	3.73	4.41	4.53	4.24	3.96	3.92	3.69	3.43
MIN	3.26	3.07	2.96	3.01	3.46	3.53	4.17	3.85	3.77	3.63	3.42	3.29

WTR YR 2001 MEAN 3.63 MAX 4.53 MIN 2.96

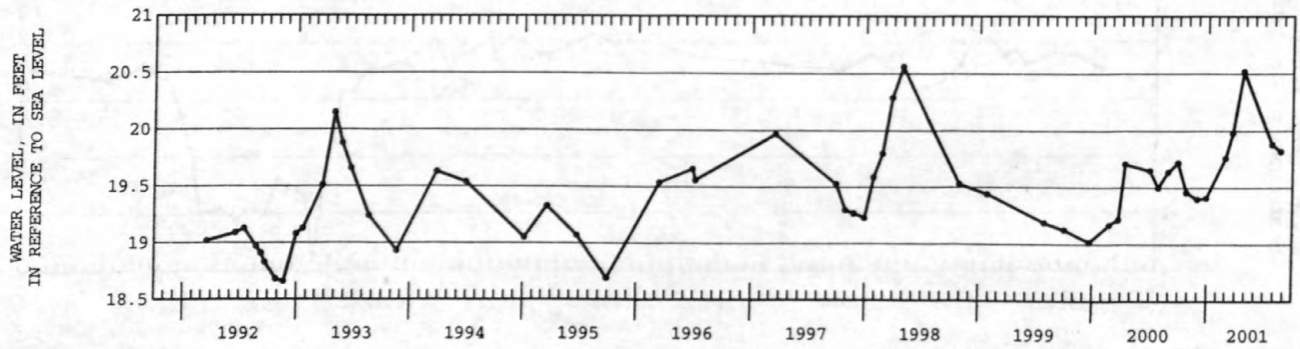


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	19.46	DEC 28	19.41	MAR 21	19.98	JUL 25	19.88				
NOV 29	19.40	FEB 26	19.76	APR 24	20.52	AUG 22	19.82				

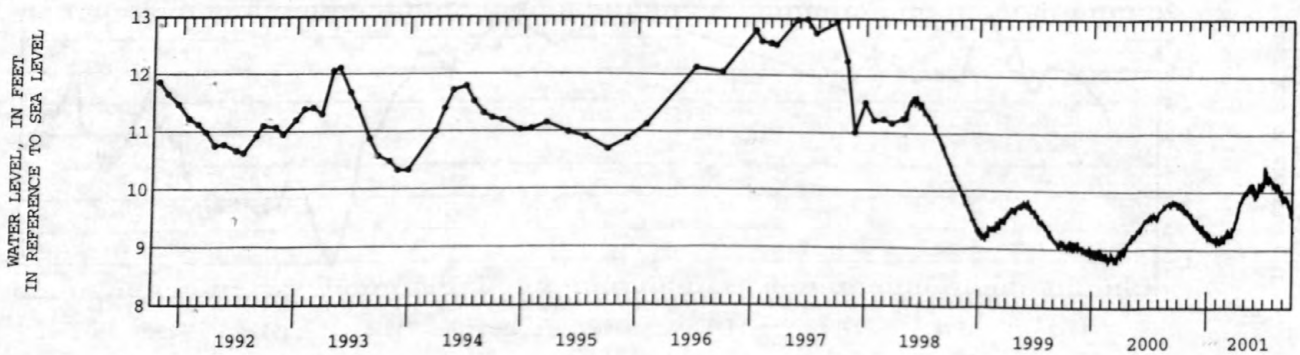


404112073500901. Local number, Q3160.1
LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at west side of 108th Street, 196 ft south of 101st Avenue, Woodhaven. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.79	9.62	9.45	9.29	9.20	9.30	9.55	10.02	10.03	10.25	10.08	9.89
10	9.77	9.64	9.35	9.21	9.20	9.25	9.66	10.06	10.00	10.17	10.07	9.86
15	9.74	9.54	9.30	9.20	9.21	9.27	9.79	10.08	10.13	10.28	10.11	9.85
20	9.68	9.51	9.33	9.20	9.19	9.24	9.84	10.15	10.10	10.25	9.98	9.77
25	9.67	9.43	9.26	9.18	9.19	9.36	9.89	10.16	10.15	10.20	10.05	9.58
EOM	9.64	9.45	9.29	9.22	9.22	9.47	9.98	10.07	10.19	10.11	9.85	9.68
MEAN	9.72	9.54	9.34	9.20	9.17	9.31	9.76	10.05	10.06	10.23	10.04	9.79
MAX	9.82	9.64	9.45	9.29	9.22	9.47	9.98	10.16	10.19	10.45	10.15	9.95
MIN	9.62	9.43	9.26	9.13	9.10	9.21	9.50	9.97	9.89	10.07	9.85	9.58

WTR YR 2001 MEAN 9.69 MAX 10.45 MIN 9.10

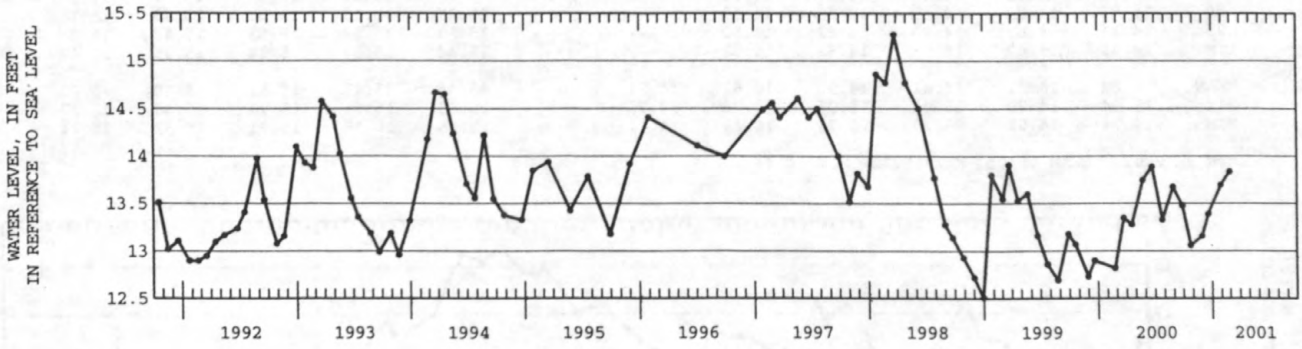


QUEENS COUNTY--Continued

404119073463601. Local number, Q3162.1
LOCATION.--Lat 40°41'19", long 73°46'36", Hydrologic Unit 02030202, at east side of 172nd Street, 66 ft north of 116th Avenue, Rochdale Village. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 44 ft, screened 39 to 44 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 27.2 ft above sea level. Measuring point: Top of coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year. Unpublished records from March 1984 to September 1987 are available in files of the Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.53 ft above sea level, June 21, 1989; lowest measured, 9.62 ft above sea level, May 15, 1985.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.06	NOV 29	13.16	DEC 19	13.39	JAN 29	13.70	FEB 26	13.84

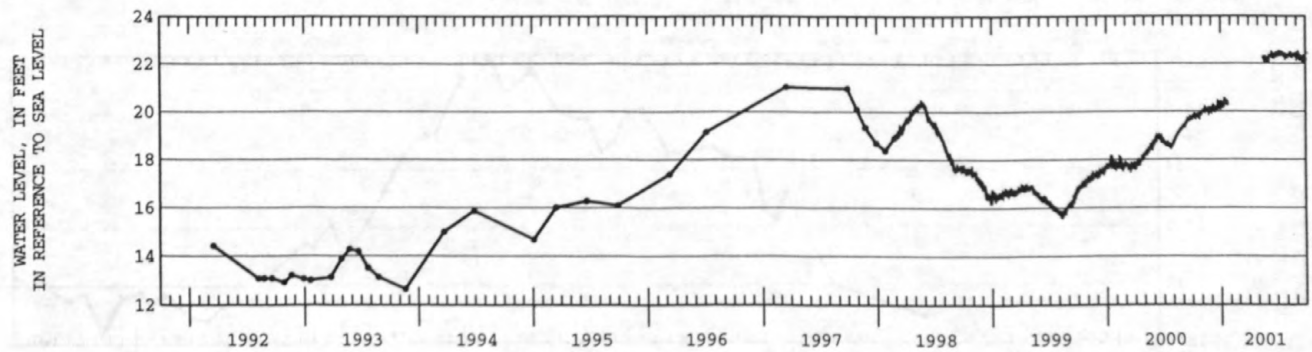


404226073303201. Local number, Q3163.1
LOCATION.--Lat 40°42'26", long 73°45'33", Hydrologic Unit 02030202, at north side of 109th Avenue, 132 ft west of 200th Street, Saint Albans. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.79	20.03	20.16	20.20	---	---	---	---	22.32	22.42	22.31	22.35
10	19.84	20.09	20.08	20.33	---	---	---	---	22.35	22.33	22.37	22.22
15	19.86	20.07	20.06	20.41	---	---	---	---	22.41	22.43	22.42	22.30
20	19.84	20.09	20.22	20.48	---	---	---	22.22	22.31	22.42	22.34	22.15
25	19.90	19.98	20.37	---	---	---	---	22.26	22.37	22.40	22.43	22.31
EOM	19.97	20.05	20.13	---	---	---	---	22.18	22.42	22.29	22.34	22.20
MEAN	19.85	20.04	20.15	20.35	---	---	---	22.20	22.32	22.40	22.36	22.25
MAX	19.97	20.18	20.37	20.49	---	---	---	22.31	22.43	22.54	22.45	22.40
MIN	19.76	19.96	19.97	20.16	---	---	---	22.13	22.06	22.29	22.27	22.13

WTR YR 2001 MEAN 21.30 MAX 22.54 MIN 19.76



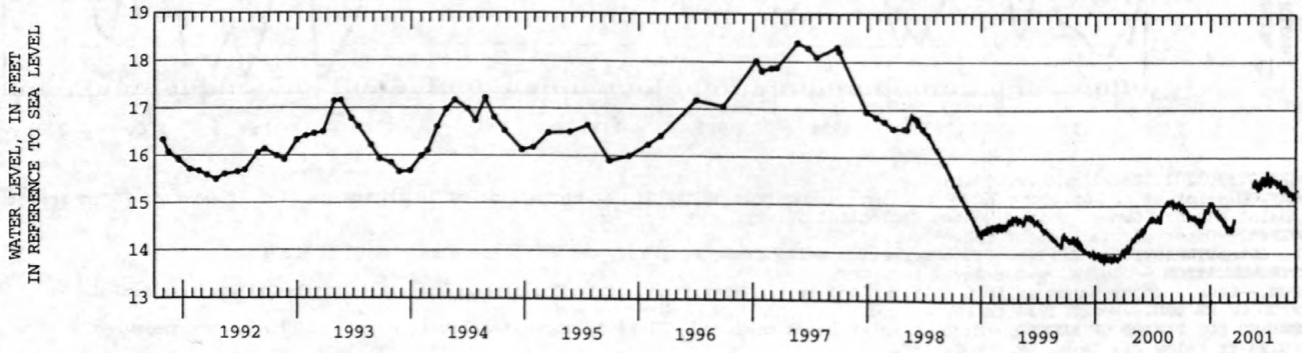
QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.98	14.74	14.68	15.06	14.76	14.53	---	---	15.45	15.45	15.42	15.27
10	14.94	14.79	14.70	14.97	14.71	14.48	---	---	15.36	15.41	15.45	15.24
15	14.89	14.75	14.83	14.90	14.66	14.61	---	---	15.47	15.57	15.37	15.29
20	14.82	14.70	14.89	14.85	14.59	---	---	15.47	15.53	15.54	15.40	15.18
25	14.77	14.62	14.90	14.82	14.50	---	---	15.53	15.52	15.53	15.40	15.28
EOM	14.75	14.68	15.06	14.82	14.52	---	---	15.44	15.60	15.44	15.35	15.14
MEAN	14.87	14.71	14.82	14.90	14.63	14.54	---	15.44	15.47	15.51	15.40	15.23
MAX	15.04	14.79	15.06	15.06	14.76	14.72	---	15.53	15.61	15.72	15.48	15.33
MIN	14.75	14.62	14.60	14.73	14.45	14.44	---	15.38	15.32	15.41	15.32	15.14

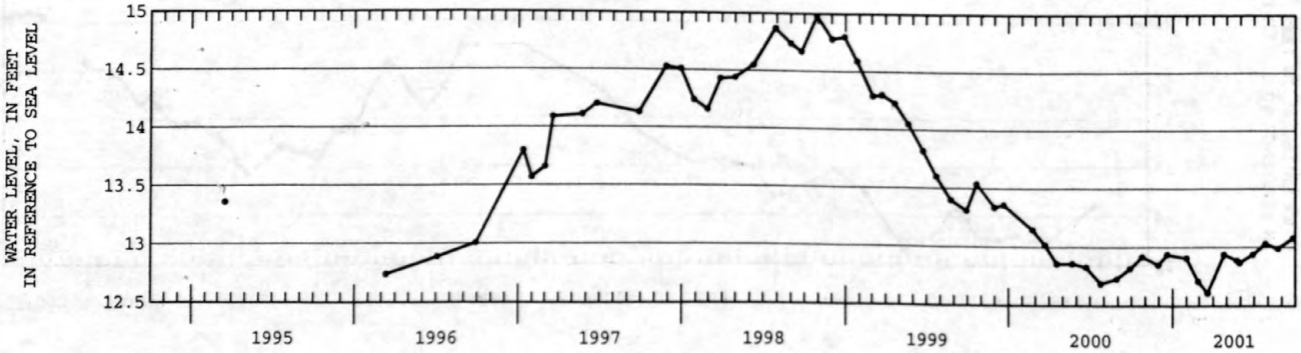
WTR YR 2001 MEAN 15.05 MAX 15.72 MIN 14.44



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, 12.61 ft above sea level, March 19, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.92	JAN 31	12.91	APR 24	12.94	JUN 27	12.94	SEP 25	13.08		
NOV 29	12.85	FEB 26	12.71	MAY 23	12.89	JUL 25	13.03				
DEC 19	12.94	MAR 19	12.61	29	12.87	AUG 22	12.99				

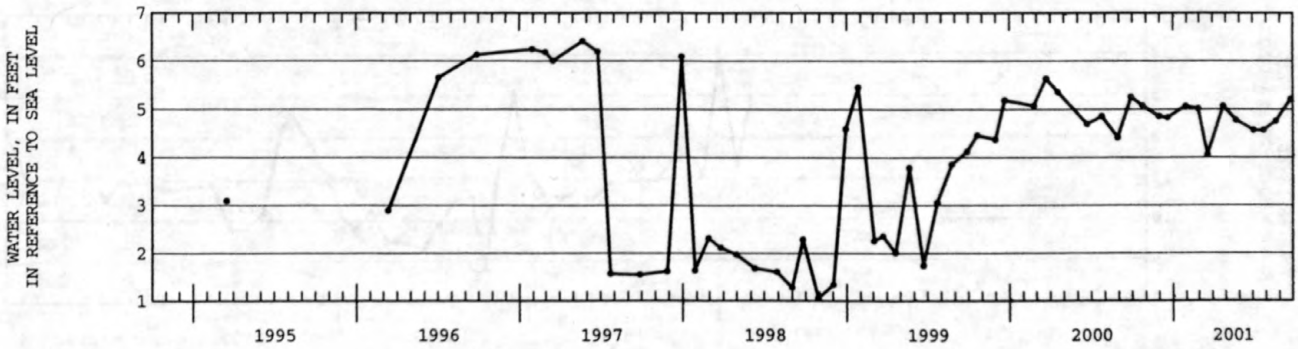


QUEENS COUNTY--Continued

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.
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 2000 TO SEPTEMBER 2001

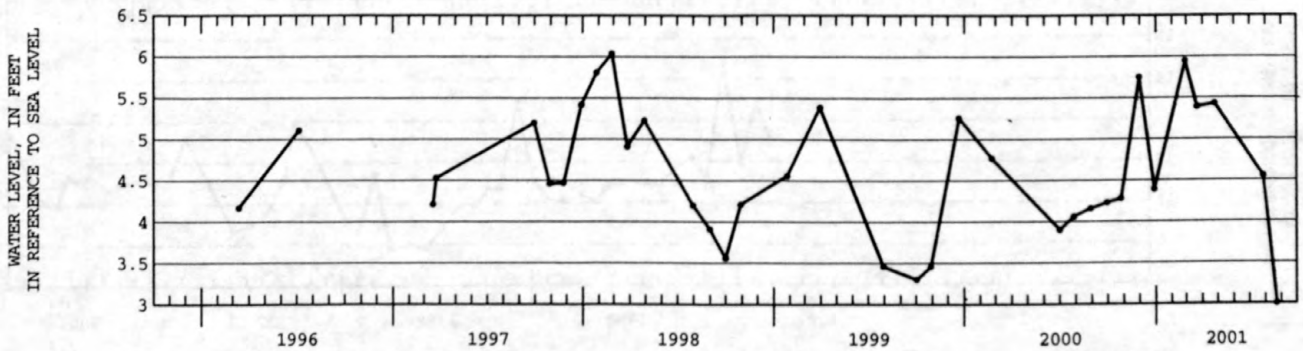
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.08	DEC 19	4.83	FEB 26	5.02	APR 24	5.07	JUL 02	4.57	AUG 22	4.76
NOV 29	4.86	JAN 29	5.07	MAR 19	4.06	MAY 23	4.78	25	4.57	SEP 25	5.22



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.28	DEC 28	4.39	MAR 21	5.39	JUL 27	4.55				
NOV 29	5.75	FEB 26	5.95	APR 24	5.43	AUG 22	3.00				

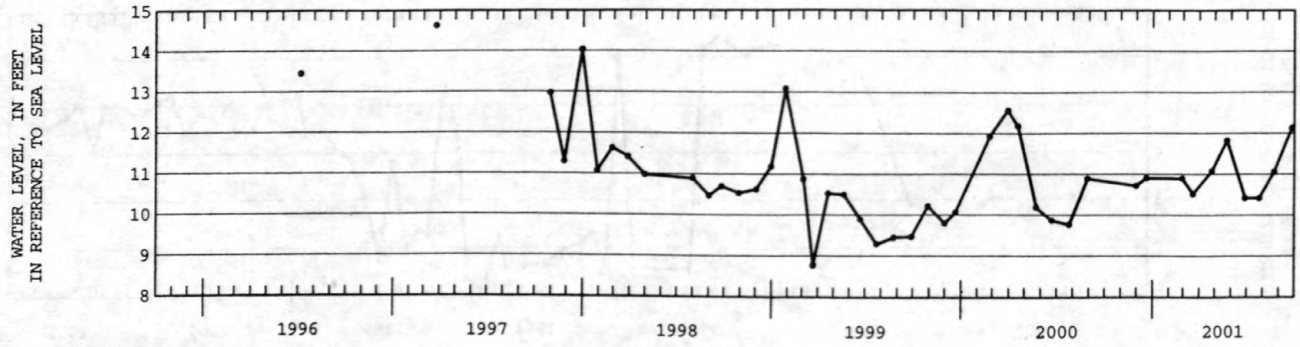


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

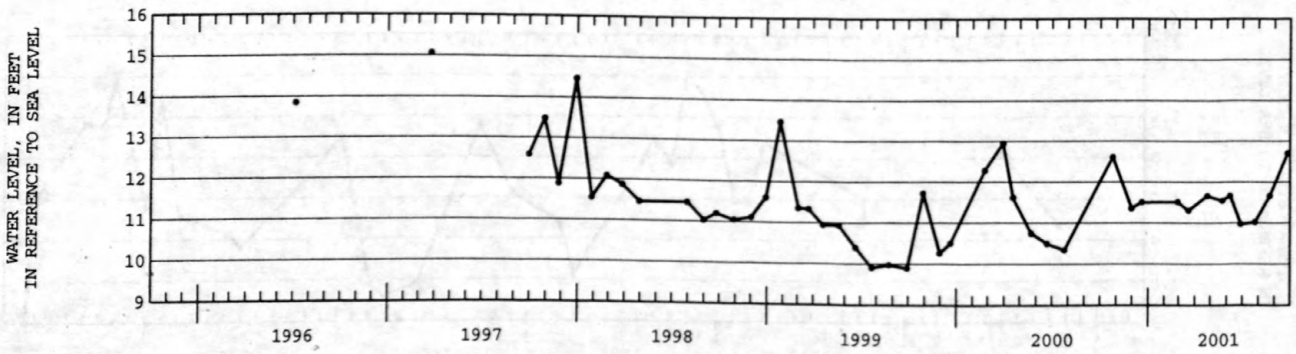
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	10.72	FEB 26	10.90	APR 24	11.08	JUN 27	10.42	AUG 22	11.06		
DEC 19	10.91	MAR 19	10.52	MAY 23	11.83	JUL 25	10.42	SEP 25	12.13		



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 2000 TO SEPTEMBER 2001

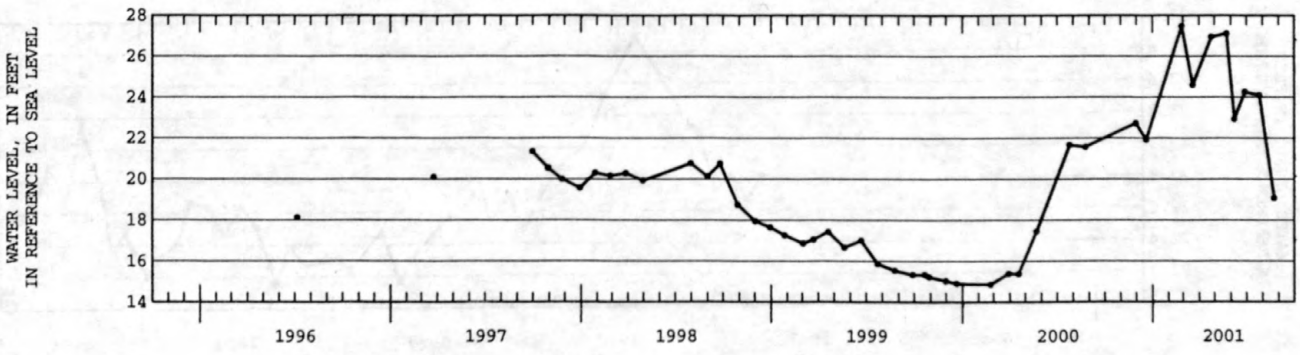
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.61	DEC 19	11.51	MAR 19	11.31	MAY 23	11.55	JUN 27	10.98	AUG 22	11.67
NOV 29	11.36	FEB 26	11.52	APR 24	11.67	JUN 07	11.67	JUL 25	11.03	SEP 25	12.71



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 2000 TO SEPTEMBER 2001

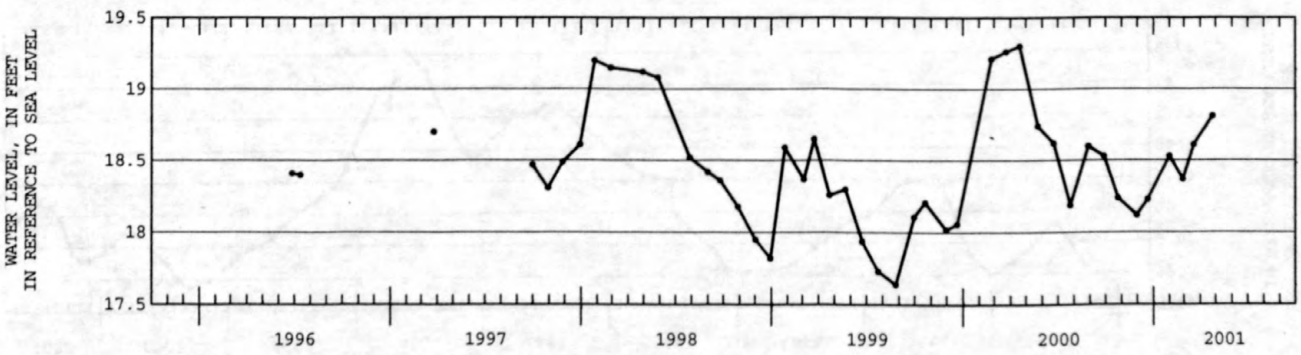
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29	22.73	FEB 26	27.49	APR 24	26.96	JUN 07	22.94	JUL 25	24.10		
DEC 19	21.92	MAR 19	24.60	MAY 23	27.12	27	24.26	AUG 22	19.09		



404544073534401. Local number, Q3646.1
LOCATION.--Lat 40°45'44", long 73°53'44", Hydrologic Unit 02030201, at north side of 25th Avenue, across from intersection with 73rd Street, Jackson Heights. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 24 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 casing, 0.10 ft below land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.30 ft above sea level, April 18, 2000; lowest measured, 17.64 ft above sea level, August 25, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	18.24	DEC 20	18.23	FEB 26	18.37	APR 24	18.81				
NOV 29	18.12	JAN 31	18.53	MAR 19	18.61						

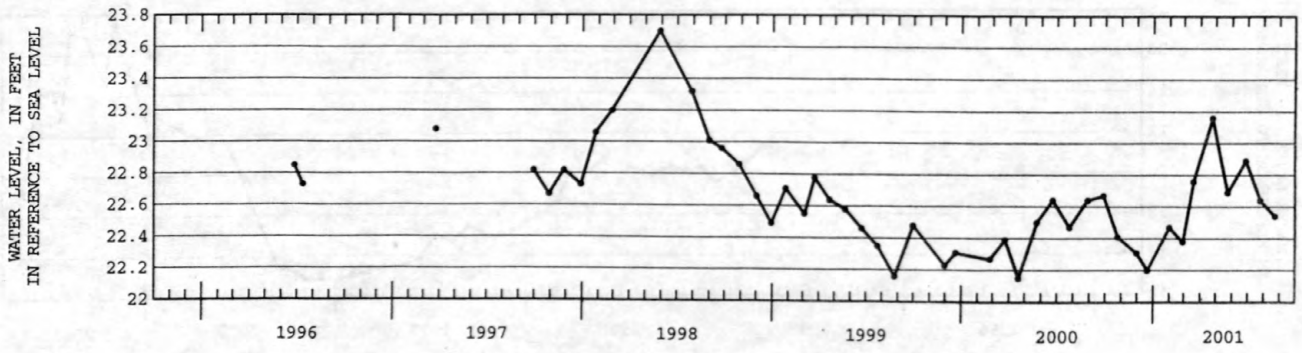


QUEENS COUNTY--Continued

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, 22.15 ft above sea level, April 18, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

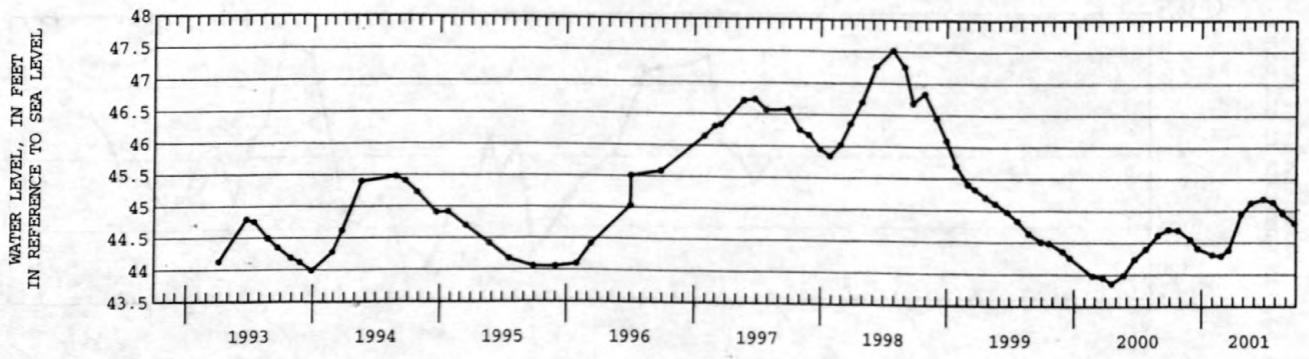
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	22.41	DEC 20	22.20	FEB 26	22.38	APR 24	23.16	JUN 27	22.89	AUG 22	22.54
NOV 29	22.31	JAN 31	22.47	MAR 19	22.76	MAY 23	22.69	JUL 25	22.64		



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, 43.86 ft above sea level, April 17, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

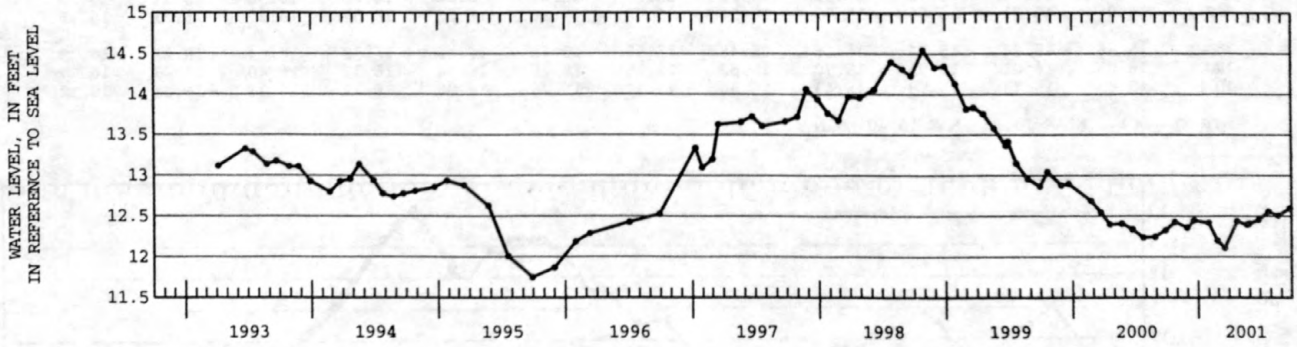
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	44.70	DEC 20	44.41	FEB 26	44.29	APR 24	44.95	JUN 27	45.19	AUG 22	44.96
NOV 29	44.55	JAN 31	44.31	MAR 19	44.38	MAY 23	45.13	JUL 25	45.14	SEP 25	44.81



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, 11.75 ft above sea level, September 28, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

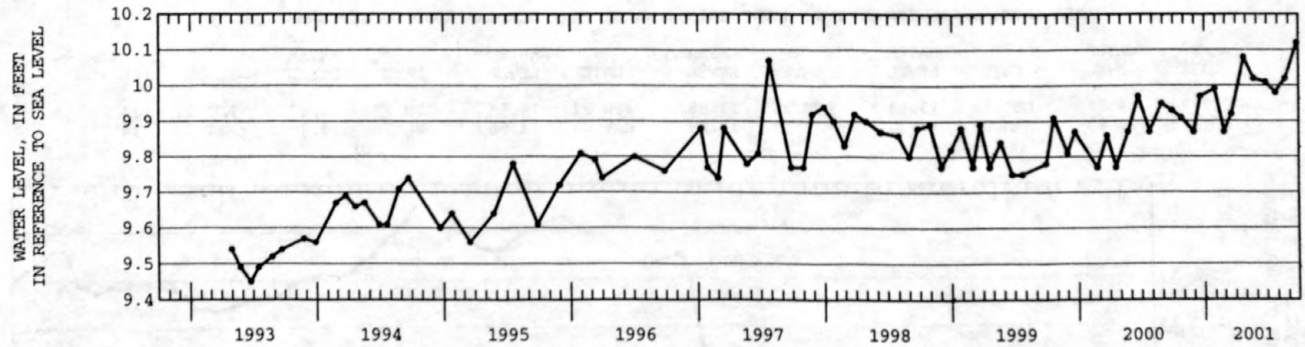
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.43	JAN 31	12.42	APR 24	12.44	JUN 27	12.46	SEP 25	12.60		
NOV 29	12.36	FEB 26	12.20	MAY 23	12.40	JUL 25	12.56				
DEC 19	12.45	MAR 19	12.11	29	12.41	AUG 22	12.51				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.91	DEC 19	9.97	FEB 26	9.87	APR 24	10.08	JUN 27	10.01	AUG 22	10.02
NOV 29	9.87	JAN 29	9.99	MAR 19	9.92	MAY 23	10.02	JUL 25	9.98	SEP 25	10.12



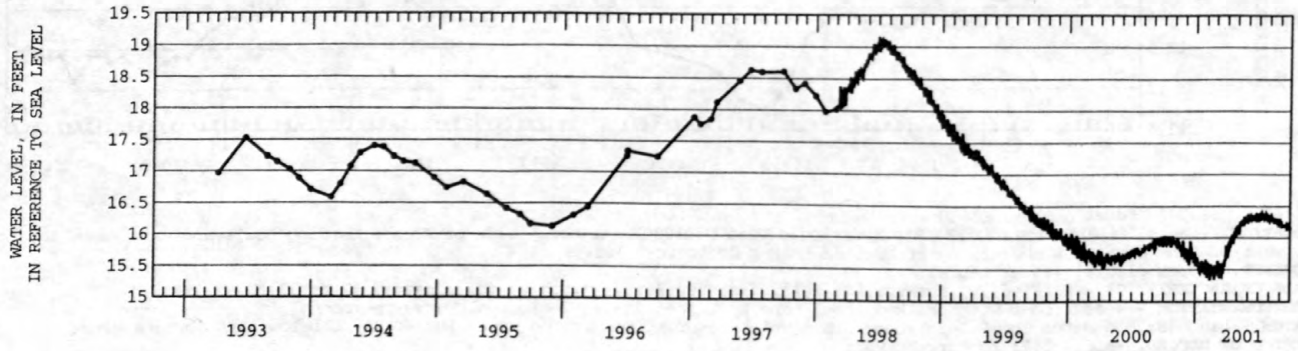
QUEENS COUNTY--Continued

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, 15.29 ft above sea level, February 24, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.98	15.93	15.84	15.70	15.62	15.64	15.80	16.14	16.28	16.39	16.27	16.18
10	15.99	16.01	15.71	15.52	15.51	15.43	15.85	16.23	16.31	16.40	16.32	16.22
15	15.97	15.87	15.64	15.58	15.52	15.55	16.01	16.28	16.31	16.33	16.25	---
20	15.92	15.87	15.83	15.61	15.53	15.47	15.95	16.19	16.33	16.32	16.30	16.20
25	15.96	15.76	15.72	15.51	15.57	15.55	16.01	16.24	16.28	16.38	16.21	16.23
EOM	15.95	15.81	15.66	15.55	15.51	15.78	16.16	16.28	16.37	16.29	16.31	16.18
MEAN	15.96	15.86	15.74	15.56	15.48	15.55	15.96	16.23	16.32	16.34	16.29	16.19
MAX	16.03	16.01	15.95	15.70	15.62	15.88	16.16	16.34	16.38	16.40	16.37	16.27
MIN	15.86	15.73	15.58	15.43	15.34	15.37	15.75	16.06	16.27	16.26	16.21	16.12

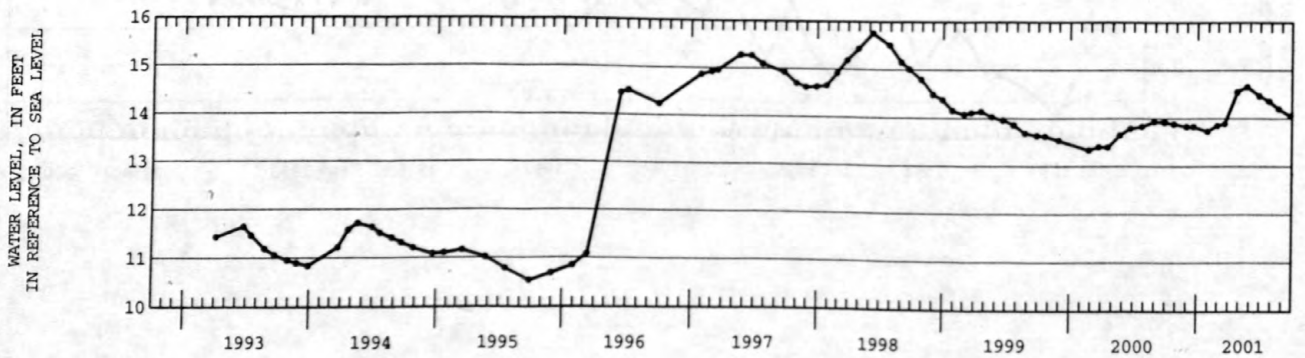
WTR YR 2001 MEAN 15.96 MAX 16.40 MIN 15.34



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	13.88	DEC 19	13.83	FEB 26	13.85	APR 24	14.55	JUN 27	14.47	AUG 22	14.20
NOV 29	13.83	JAN 29	13.73	MAR 19	13.89	MAY 23	14.66	JUL 25	14.36	SEP 25	14.05



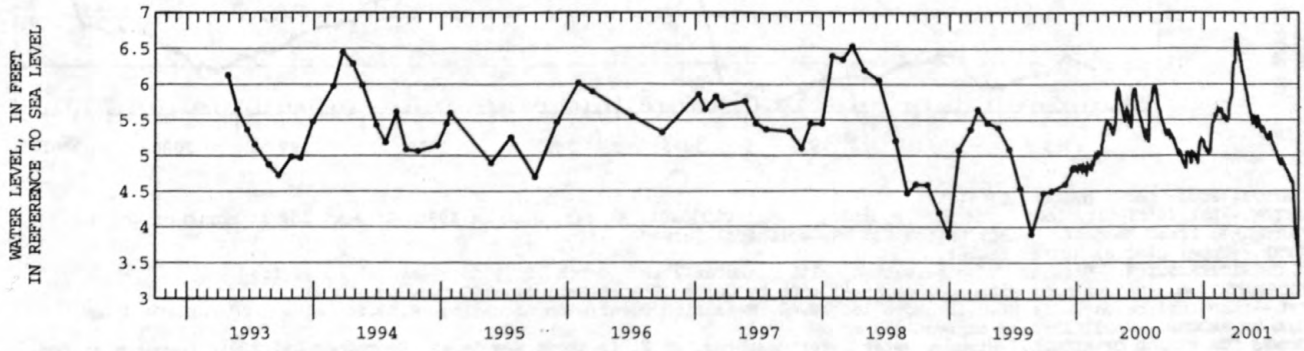
QUEENS COUNTY--Continued

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.
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, 3.41 ft above sea level, September 30, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.21	4.87	5.03	5.11	5.60	5.53	6.64	5.81	5.53	5.31	4.92	4.69
10	5.15	5.00	4.94	5.07	5.65	5.54	6.46	5.69	5.41	5.33	4.88	4.64
15	5.07	5.05	5.03	5.05	5.66	5.74	6.34	5.58	5.34	5.20	4.93	4.38
20	5.02	5.00	5.19	5.23	5.63	5.82	6.19	5.46	5.39	5.14	4.87	3.96
25	5.04	4.89	5.21	5.45	5.55	6.26	6.07	5.52	5.31	5.08	4.81	3.76
EOM	4.92	5.05	5.18	5.56	5.55	6.60	5.94	5.41	5.26	4.99	4.76	3.44
MEAN	5.09	4.96	5.09	5.21	5.60	5.84	6.33	5.61	5.39	5.18	4.87	4.25
MAX	5.25	5.05	5.22	5.56	5.67	6.60	6.71	5.92	5.57	5.34	4.98	4.75
MIN	4.92	4.82	4.88	5.02	5.51	5.48	5.94	5.41	5.26	4.99	4.76	3.44

WTR YR 2001 MEAN 5.28 MAX 6.71 MIN 3.44

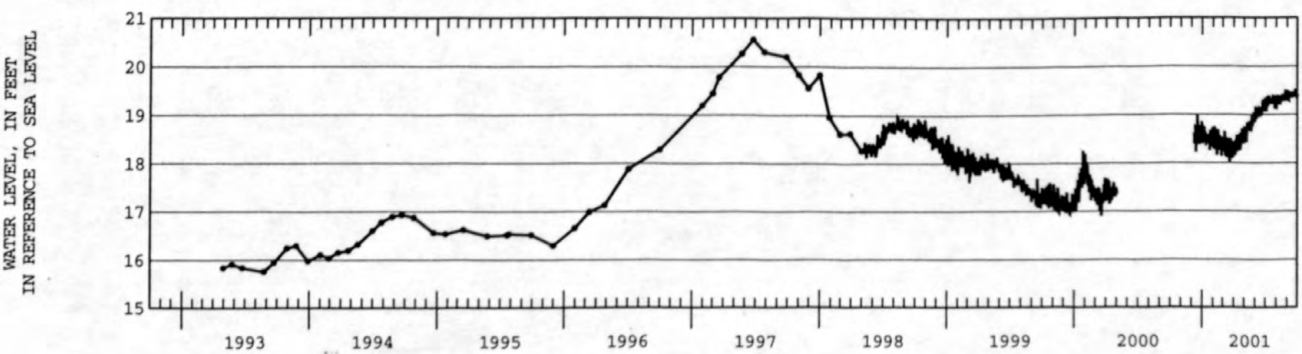


404313073475201. Local number, Q3659.1
LOCATION.--Lat 40°43'13", long 73°47'52", Hydrologic Unit 02030201, at south side of intersection of Goethals Avenue and 170th Street, south of western entrance to Saint Johní's University, Jamaica. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	18.75	18.75	18.65	18.25	18.64	18.95	19.37	19.21	19.34
10	---	---	18.54	18.44	18.59	18.25	18.29	18.81	19.04	19.39	19.33	19.44
15	---	---	18.40	18.57	18.57	18.18	18.56	18.86	19.05	19.26	19.27	19.38
20	---	---	18.58	18.48	18.56	18.07	18.33	18.65	19.14	19.27	19.40	19.43
25	---	---	18.45	18.50	18.52	18.12	18.41	18.77	19.09	19.36	19.28	19.51
EOM	---	---	18.63	18.58	18.43	18.37	18.66	18.92	19.33	19.20	19.50	19.42
MEAN	---	---	18.60	18.53	18.43	18.28	18.44	18.79	19.10	19.28	19.35	19.41
MAX	---	---	18.98	18.75	18.75	18.65	18.71	19.04	19.33	19.40	19.51	19.51
MIN	---	---	18.23	18.26	18.14	18.03	18.16	18.43	18.91	19.07	19.19	19.28

WTR YR 2001 MEAN 18.83 MAX 19.51 MIN 18.03

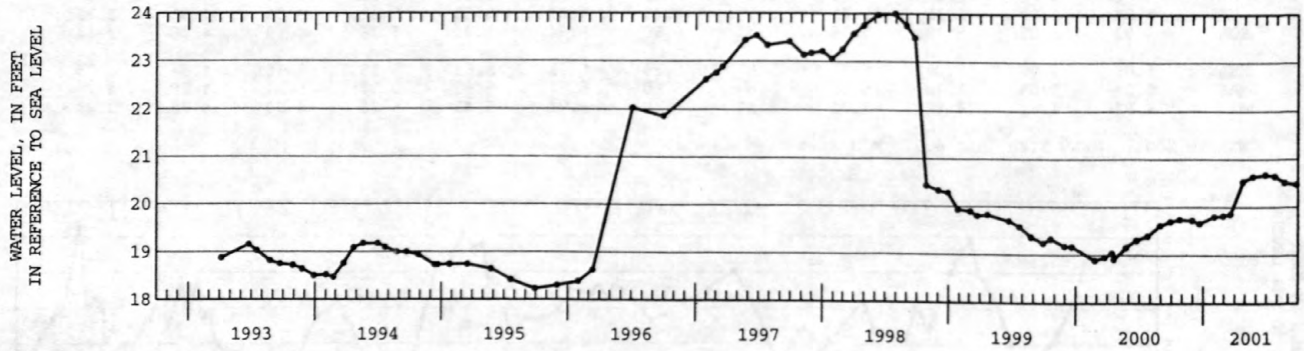


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

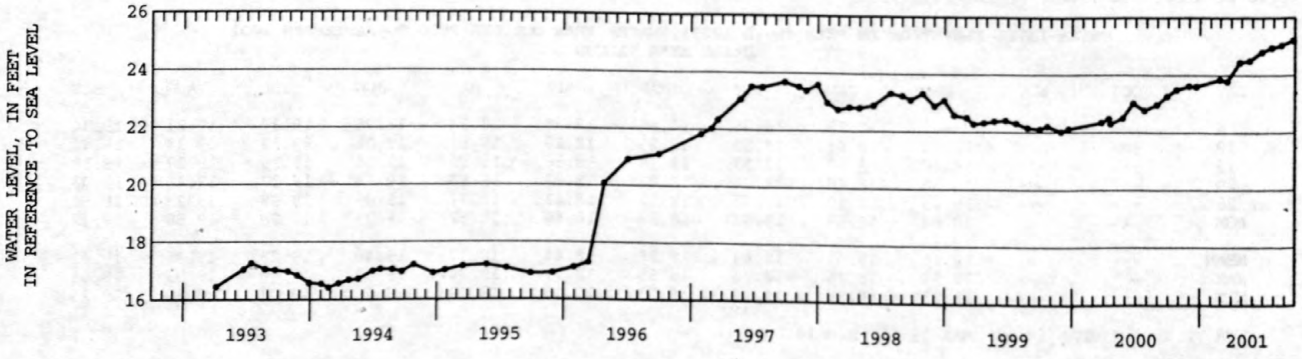
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	19.75	DEC 20	19.66	FEB 26	19.82	APR 24	20.53	JUN 27	20.68	AUG 22	20.52
NOV 29	19.73	JAN 31	19.80	MAR 19	19.86	MAY 23	20.64	JUL 25	20.65	SEP 25	20.48



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, 25.21 ft above sea level, September 25, 2001; lowest measured, 16.42 ft above sea level, February 22, 1994.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	23.50	DEC 20	23.61	MAR 19	23.79	MAY 23	24.50	JUL 25	24.95	SEP 25	25.21
NOV 29	23.63	FEB 26	23.85	APR 24	24.44	JUN 27	24.80	AUG 22	25.04		

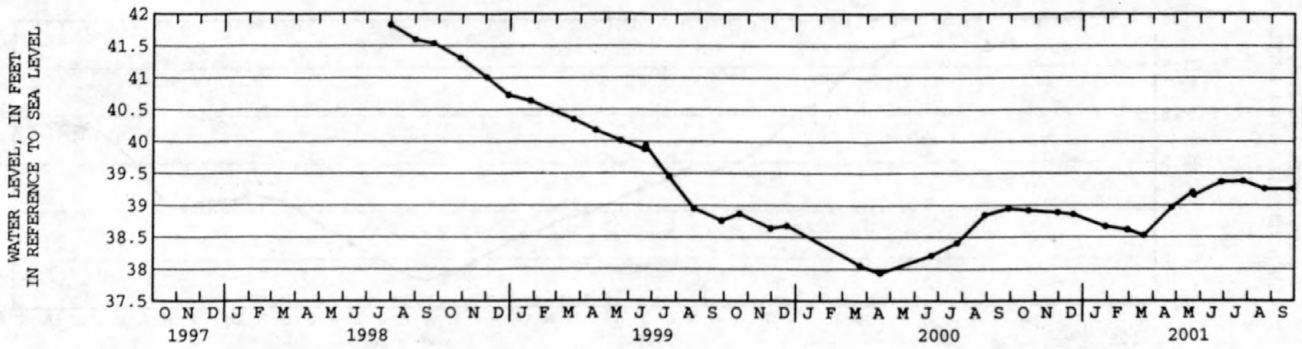


QUEENS COUNTY--Continued

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, 37.94 ft above sea level, April 17, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

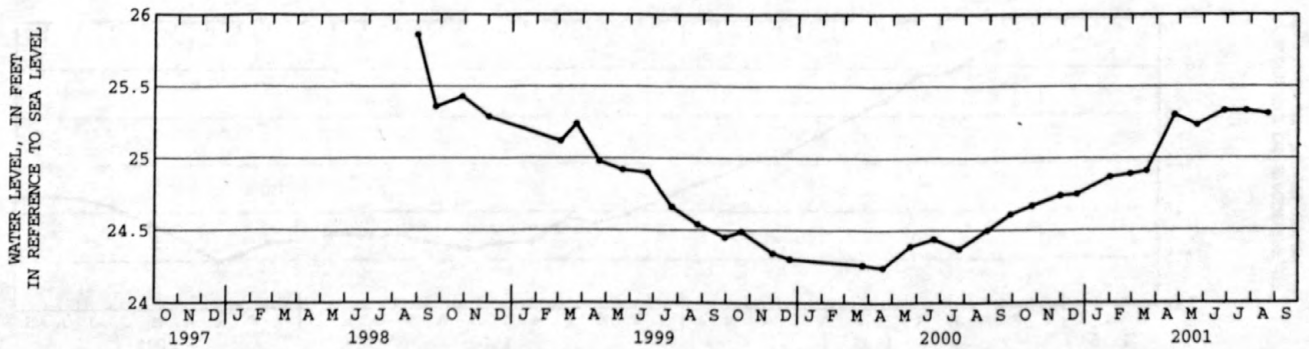
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	38.92	JAN 29	38.67	APR 24	38.97	JUN 27	39.37	SEP 28	39.26		
NOV 29	38.89	FEB 26	38.62	MAY 21	39.21	JUL 25	39.38				
DEC 19	38.86	MAR 19	38.53	23	39.16	AUG 22	39.26				



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	24.67	DEC 20	24.75	FEB 26	24.89	APR 24	25.30	JUN 27	25.33	AUG 22	25.31
NOV 29	24.74	JAN 31	24.87	MAR 19	24.91	MAY 23	25.23	JUL 25	25.33		

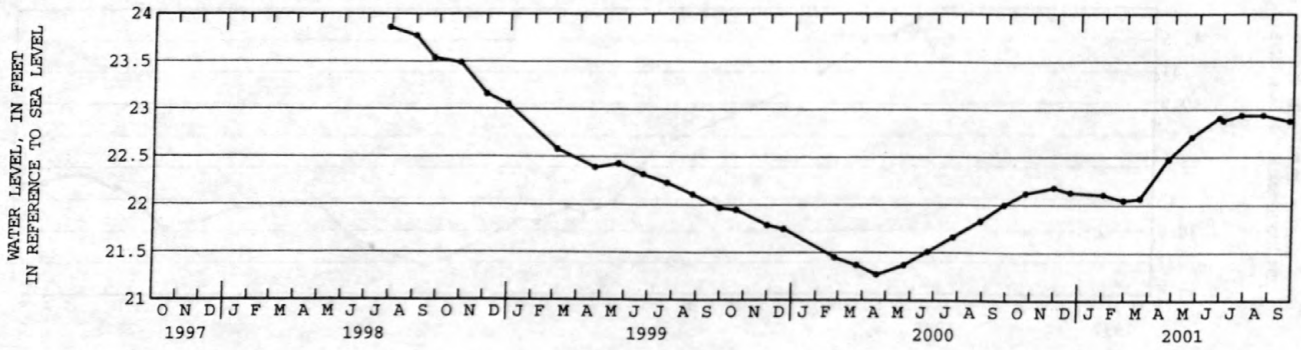


QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001

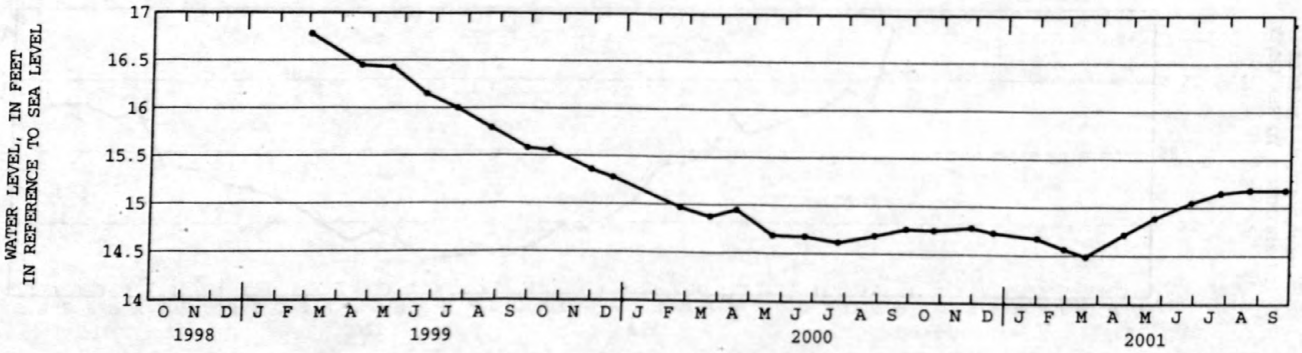
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	22.12	JAN 31	22.11	APR 24	22.48	JUL 02	22.88	SEP 25	22.88		
NOV 29	22.18	FEB 26	22.05	MAY 23	22.71	25	22.94				
DEC 20	22.13	MAR 19	22.07	JUN 27	22.91	AUG 22	22.94				



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, 14.49 ft above sea level, March 19, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

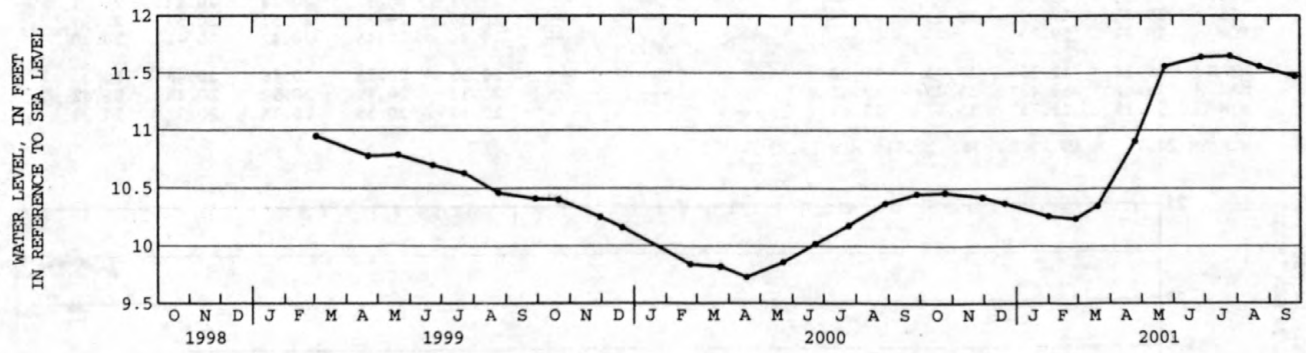
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	14.75	DEC 20	14.73	FEB 26	14.57	APR 24	14.72	JUN 27	15.05	AUG 22	15.18
NOV 29	14.78	JAN 31	14.68	MAR 19	14.49	MAY 23	14.89	JUL 25	15.15	SEP 25	15.18



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.46	DEC 20	10.37	FEB 26	10.24	APR 24	10.91	JUN 27	11.64	AUG 22	11.56
NOV 29	10.42	JAN 31	10.26	MAR 19	10.35	MAY 23	11.56	JUL 25	11.65	SEP 25	11.47

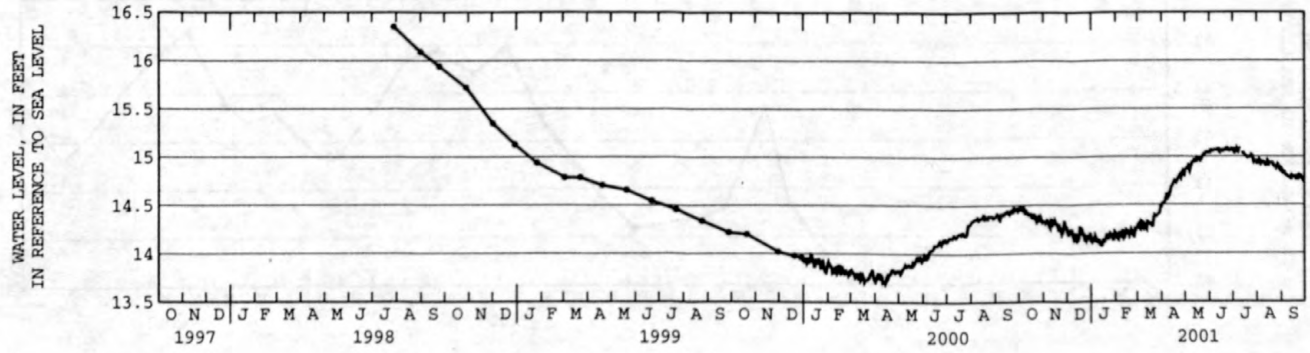


404411073491601. Local number, Q3810.1
LOCATION.--Lat 40°44'11", long 73°49'16", Hydrologic Unit 02030201, at Queens College of the City University of New York, south of intersection with Reeves Avenue and 150th Street, opposite southwestern corner of tennis courts, Flushing. Owner: United States Geological 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, 13.66 ft above sea level, April 12, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.45	14.34	14.25	14.18	14.22	14.33	14.55	14.88	15.06	15.08	14.92	14.82
10	14.44	14.36	14.17	14.11	14.22	14.28	14.60	14.94	15.07	15.09	14.93	14.79
15	14.41	14.34	14.13	14.11	14.23	14.30	14.72	14.98	15.05	15.03	14.94	14.79
20	14.37	14.23	14.22	14.19	14.24	14.28	14.75	14.96	15.07	14.99	14.94	14.77
25	14.36	14.21	14.13	14.17	14.24	14.38	14.78	15.03	15.06	15.01	14.88	14.80
EOM	14.33	14.27	14.17	14.21	14.27	14.48	14.86	15.04	15.08	14.93	14.88	14.74
MEAN	14.39	14.29	14.19	14.15	14.20	14.33	14.69	14.96	15.07	15.02	14.92	14.80
MAX	14.48	14.36	14.28	14.22	14.27	14.48	14.86	15.05	15.09	15.09	14.97	14.87
MIN	14.32	14.19	14.11	14.08	14.14	14.25	14.51	14.85	15.04	14.93	14.86	14.74

WTR YR 2001 MEAN 14.59 MAX 15.09 MIN 14.08



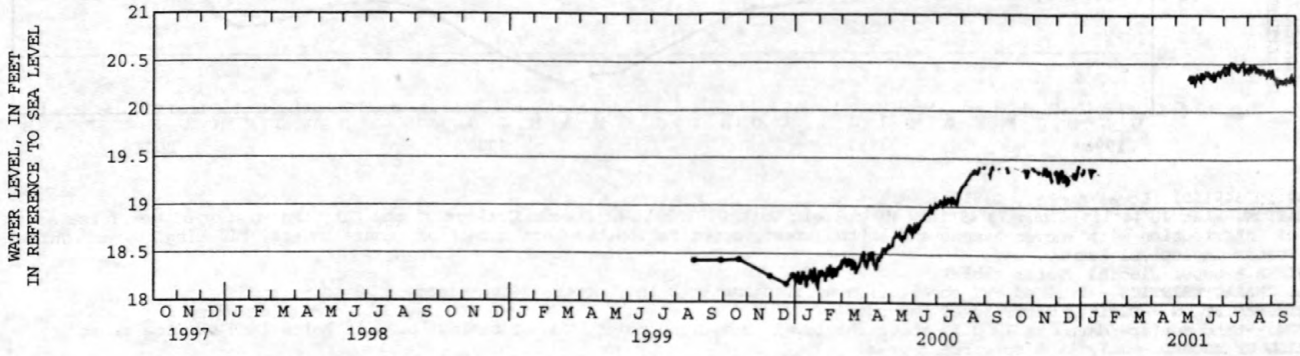
QUEENS COUNTY--Continued

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	19.38	---	---	---	---	---	20.35	20.48	20.43	20.36
10	---	---	19.28	---	---	---	---	---	20.39	20.51	20.47	20.33
15	---	19.39	19.25	19.41	---	---	---	---	20.35	20.47	20.43	20.30
20	19.38	19.38	---	---	---	---	---	20.31	20.37	20.44	20.44	20.31
25	19.38	19.29	19.32	---	---	---	---	20.30	20.39	20.51	20.37	20.37
EOM	19.41	19.39	---	---	---	---	---	20.34	20.45	20.42	20.41	20.30
MEAN	19.38	19.36	19.33	19.38	---	---	---	20.35	20.38	20.46	20.43	20.33
MAX	19.41	19.42	19.43	19.41	---	---	---	20.38	20.45	20.51	20.48	20.42
MIN	19.31	19.28	19.23	19.34	---	---	---	20.30	20.33	20.38	20.37	20.29

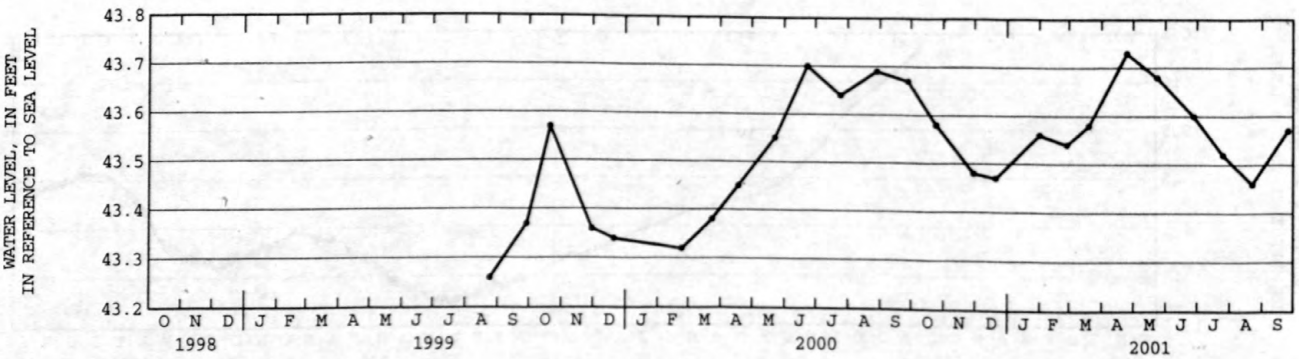
WTR YR 2001 MEAN 20.03 MAX 20.51 MIN 19.23



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, 43.26 ft above sea level, August 24, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

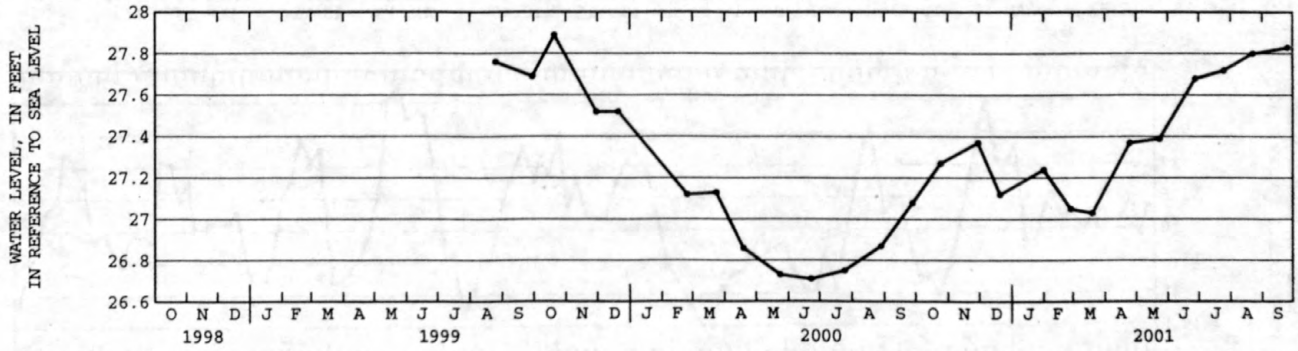
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	43.58	DEC 20	43.47	FEB 26	43.54	APR 24	43.73	JUN 27	43.60	AUG 22	43.46
NOV 29	43.48	JAN 31	43.56	MAR 19	43.58	MAY 23	43.68	JUL 25	43.52	SEP 25	43.57



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, 27.89 ft above sea level, October 20, 1999; lowest measured, 26.71 ft above sea level, June 22, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

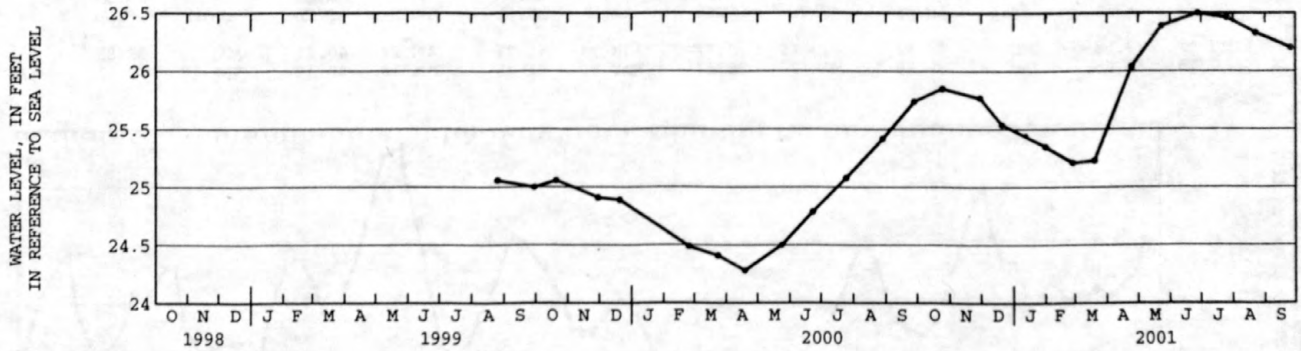
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	27.27	DEC 20	27.12	FEB 26	27.05	APR 24	27.37	JUN 27	27.68	AUG 22	27.80
NOV 29	27.37	JAN 31	27.24	MAR 19	27.03	MAY 23	27.39	JUL 25	27.72	SEP 25	27.83



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, 24.28 ft above sea level, April 18, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	25.85	DEC 20	25.54	FEB 26	25.21	APR 24	26.04	JUN 27	26.50	AUG 22	26.33
NOV 29	25.77	JAN 31	25.35	MAR 19	25.23	MAY 23	26.39	JUL 25	26.46	SEP 25	26.20

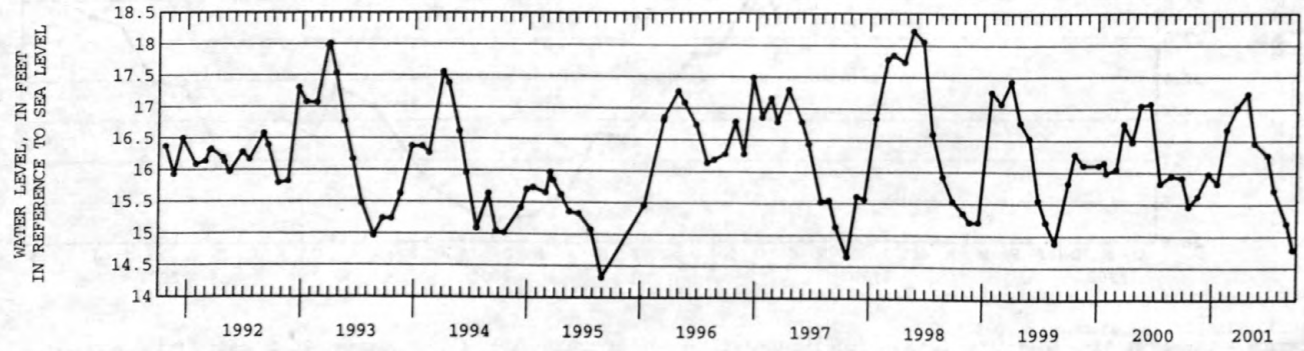


SUFFOLK COUNTY

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 ¼ 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 at 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 2000 TO SEPTEMBER 2001

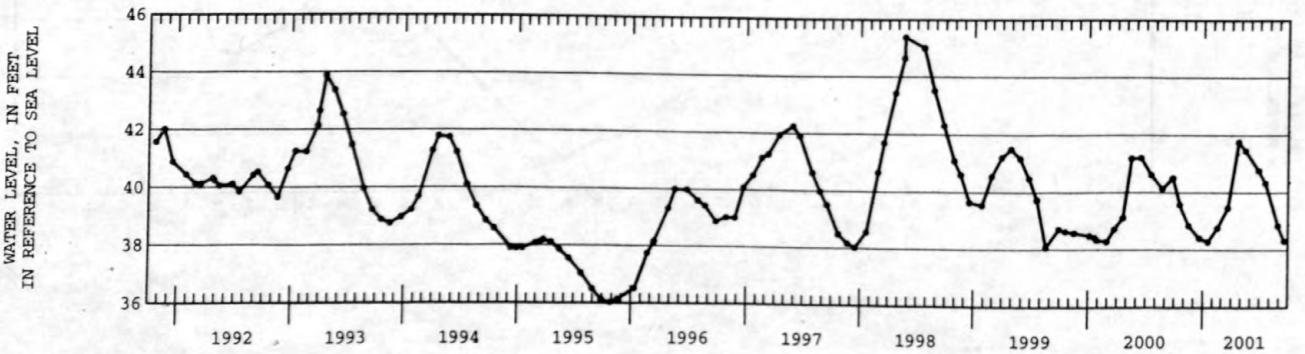
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	15.47	DEC 19	15.98	FEB 15	16.68	APR 23	17.24	JUN 27	16.27	AUG 28	15.20
NOV 15	15.63	JAN 16	15.83	MAR 20	17.02	MAY 15	16.46	JUL 18	15.72	SEP 18	14.79



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 2-in steel casing, 2.02 ft above land-surface datum.
REMARKS.--Replaced well S1805.3 in October 1953 at 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, 35.79 ft above sea level, December 28, 1966.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

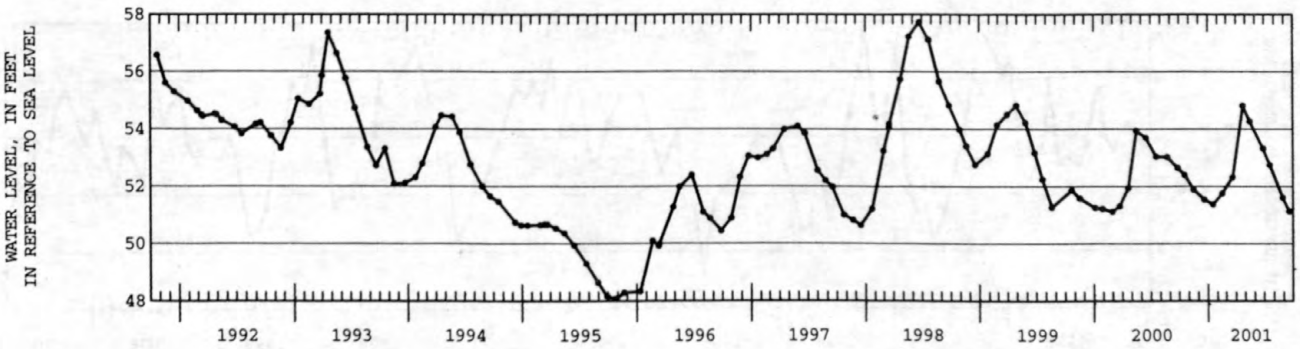
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	39.58	DEC 19	38.42	FEB 15	38.77	APR 23	41.76	JUN 27	40.77	AUG 28	38.85
NOV 15	38.85	JAN 16	38.29	MAR 20	39.47	MAY 15	41.45	JUL 18	40.34	SEP 18	38.32



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.--Augered 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 2-in PVC coupling, 0.19 ft below land-surface datum. REMARKS--Replaced well S1806.2 in August 1977 at 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, 48.07 ft above sea level, October 26, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

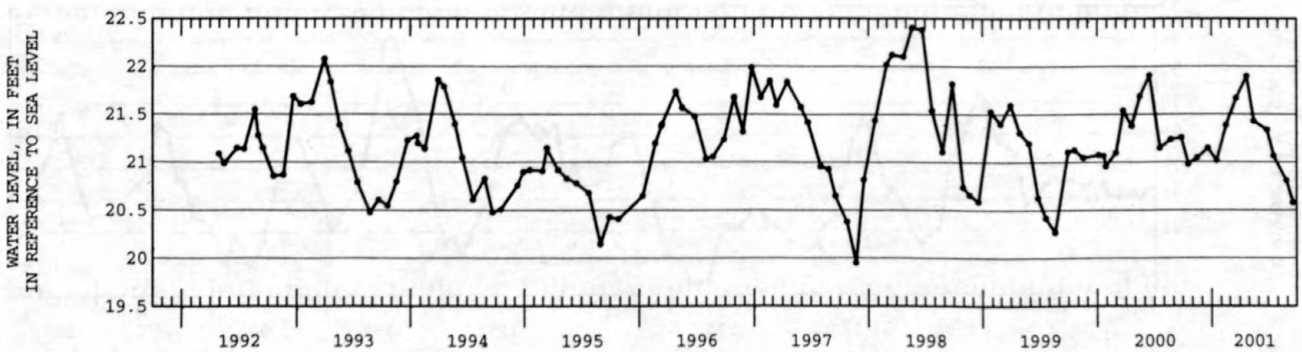
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	52.40	DEC 19	51.55	FEB 15	51.77	APR 23	54.82	JUN 27	53.33	AUG 28	51.61
NOV 15	51.90	JAN 16	51.38	MAR 20	52.33	MAY 15	54.27	JUL 18	52.75	SEP 18	51.14



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 2-in steel casing, 0.45 ft below land-surface datum.
REMARKS.--Replaced well S1807.5 in April 1992 at 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, 19.95 ft above sea level, November 21, 1997.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	20.98	DEC 19	21.15	FEB 15	21.39	APR 23	21.90	JUN 27	21.34	AUG 28	20.81
NOV 15	21.05	JAN 16	21.02	MAR 20	21.67	MAY 15	21.43	JUL 18	21.07	SEP 18	20.58

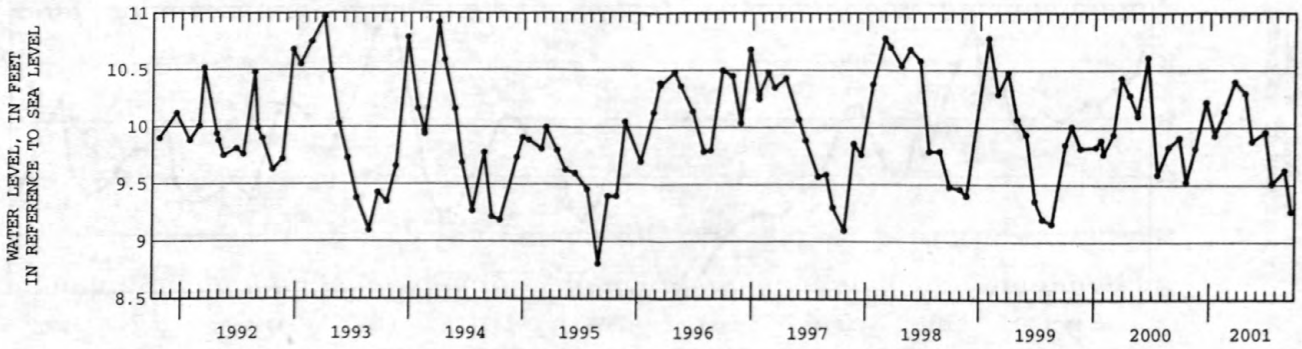


SUFFOLK COUNTY--Continued

404221073164905. Local number, S1808.5
LOCATION.--Lat 40°42'21", long 73°16'49", Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip. Owner: Town of Islip.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--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 at 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 2000 TO SEPTEMBER 2001

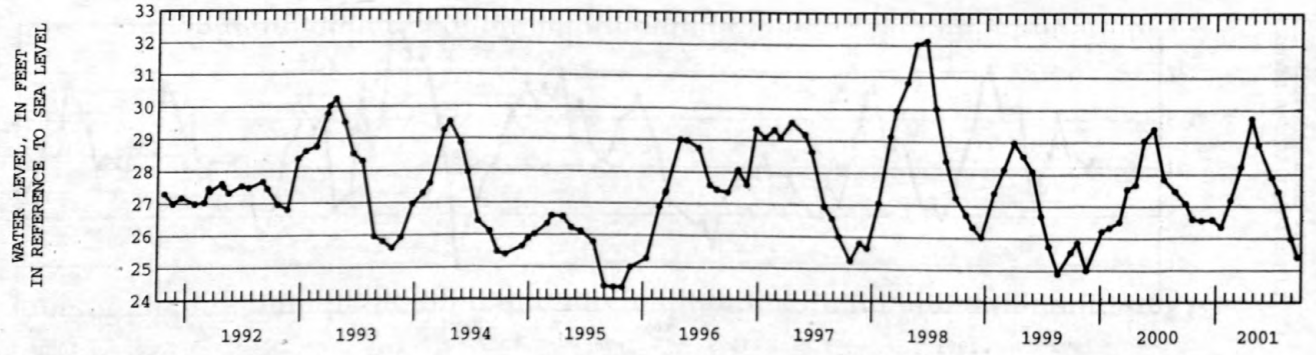
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	9.53	DEC 19	10.22	FEB 15	10.14	APR 23	10.30	JUN 27	9.96	AUG 28	9.63
NOV 15	9.82	JAN 16	9.93	MAR 20	10.40	MAY 15	9.88	JUL 18	9.51	SEP 18	9.27



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.--Augered 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 2-in PVC coupling, 0.45 ft below land-surface datum.
REMARKS.--Replaced well S1809.3 in March 1981 at 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, 24.37 ft above sea level, October 26, 1995

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	26.61	DEC 19	26.59	FEB 15	27.20	APR 23	29.74	JUN 27	27.90	AUG 28	25.98
NOV 15	26.56	JAN 16	26.35	MAR 20	28.24	MAY 15	28.92	JUL 18	27.46	SEP 18	25.41

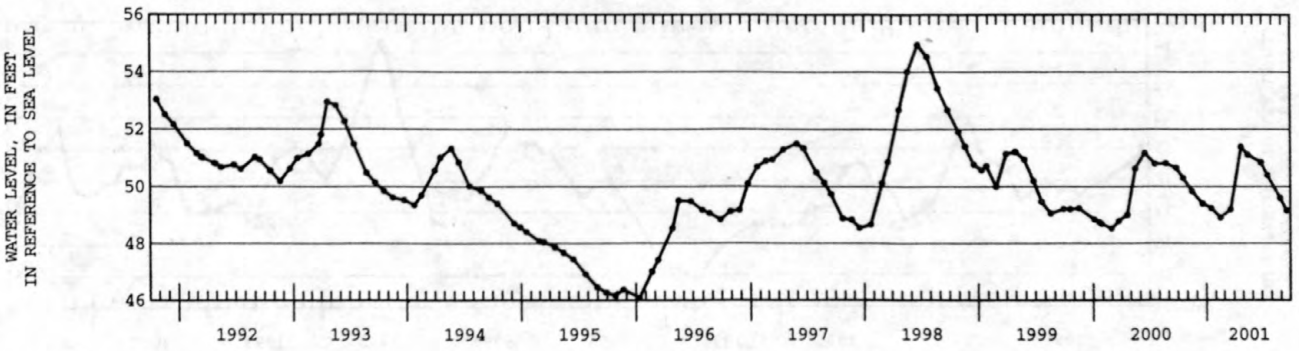


SUFFOLK COUNTY--Continued

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.--Augered 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 2-in PVC coupling, 0.25 ft below land-surface datum.
REMARKS.--Replaced well S1810.3 in November 1975 at 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, 46.17 ft above sea level, October 25, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

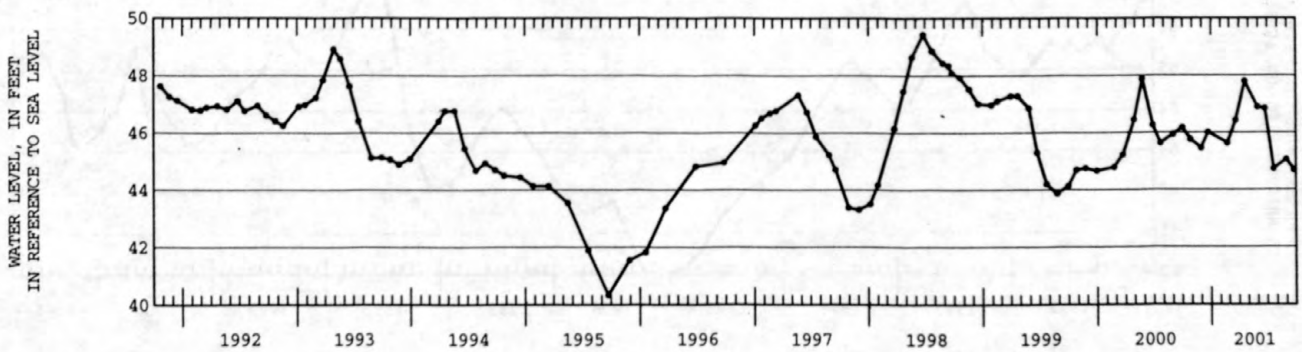
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	50.30	DEC 19	49.40	FEB 15	48.91	APR 23	51.40	JUN 27	50.85	AUG 28	49.60
NOV 15	49.83	JAN 16	49.24	MAR 20	49.20	MAY 15	51.12	JUL 18	50.40	SEP 18	49.16



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 2 in PVC coupling, 0.40 ft below land-surface datum.
REMARKS.--Replaced well S1812.2 in May 1982 at 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, 40.34 ft above sea level, September 21, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	45.76	DEC 21	46.01	MAR 20	46.43	MAY 30	46.89	JUL 20	44.73	SEP 24	44.69
NOV 29	45.46	FEB 21	45.63	APR 19	47.80	JUN 22	46.85	AUG 30	45.06		

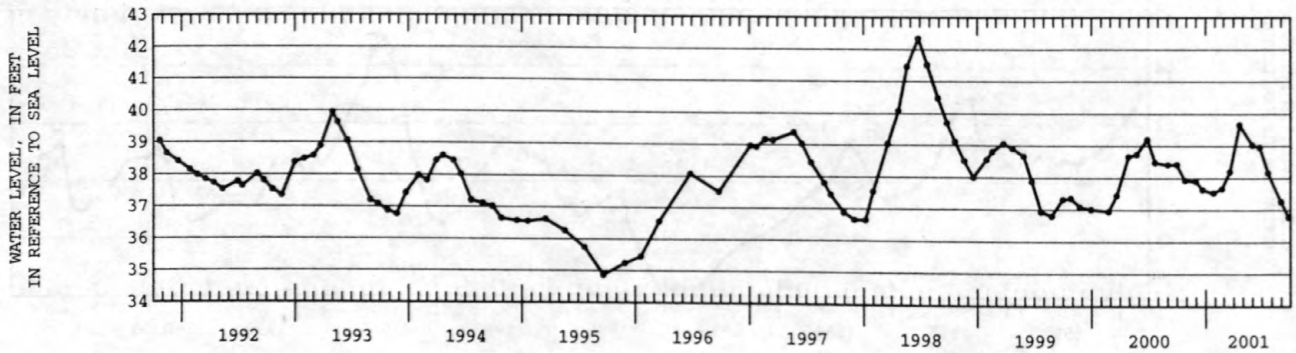


SUFFOLK COUNTY--Continued

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 2-in PVC coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S1814.2 in May 1982 at 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, 34.87 ft above sea level, September 19, 1995

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

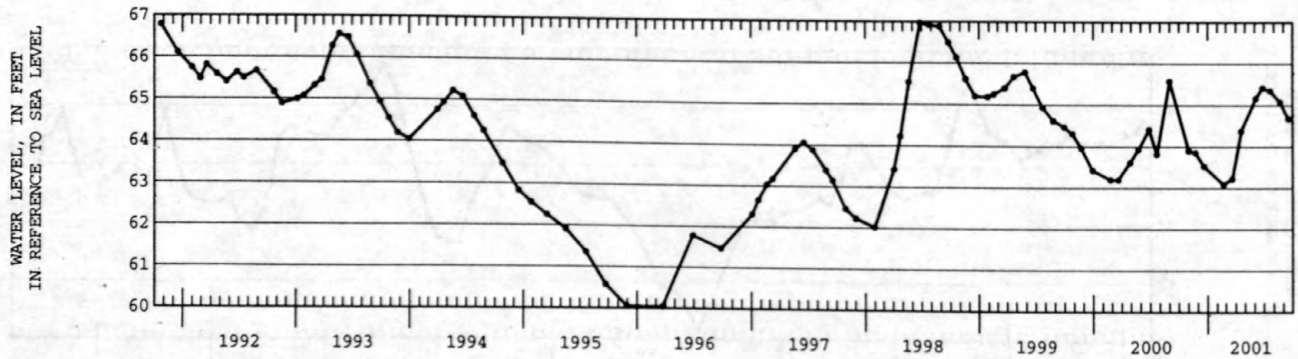
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	37.94	DEC 21	37.65	FEB 21	37.68	APR 19	39.67	JUN 22	38.97	AUG 30	37.27
NOV 29	37.91	JAN 25	37.55	MAR 19	38.21	MAY 30	39.04	JUL 19	38.17	SEP 24	36.79



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 $\frac{1}{4}$-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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	63.91	DEC 19	63.53	MAR 20	63.23	JUN 04	65.17	JUL 20	65.35	SEP 17	64.68
NOV 22	63.86	FEB 20	63.09	APR 18	64.38	26	65.42	AUG 21	65.08		

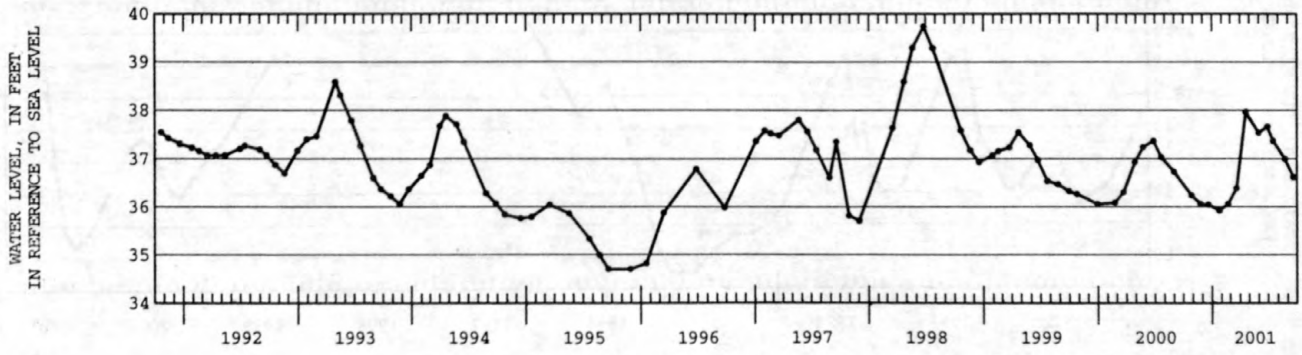


SUFFOLK COUNTY--Continued

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 2-in steel 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	36.24	DEC 20	36.05	FEB 21	36.06	APR 19	37.97	JUN 28	37.67	AUG 23	36.99
NOV 24	36.06	JAN 24	35.92	MAR 20	36.39	MAY 31	37.54	JUL 16	37.37	SEP 19	36.62



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 2-in PVC coupling, 3.11 ft above land-surface datum.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.79 ft above sea level, June 25, 1998; lowest measured, 22.90 ft above sea level, September 19, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

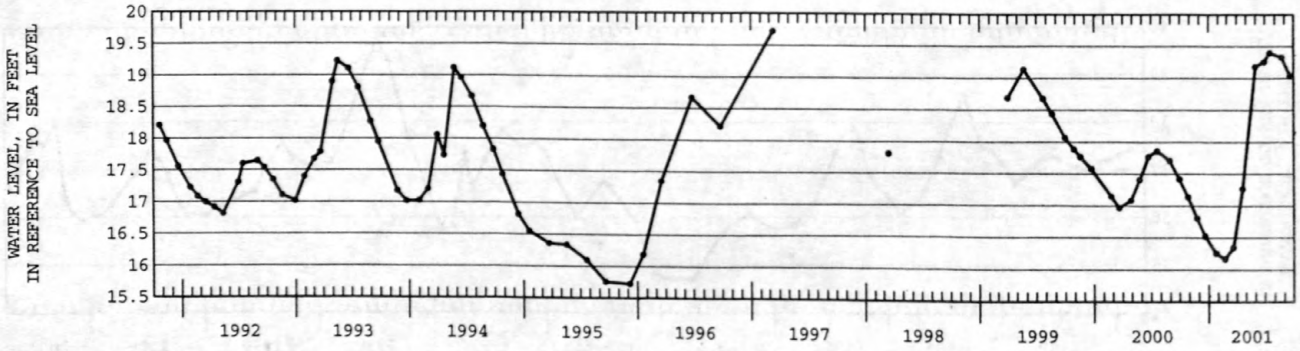
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	24.39	DEC 20	24.28	FEB 21	24.57	APR 19	26.28	JUN 29	26.29	AUG 23	25.51
NOV 24	24.14	JAN 24	24.21	MAR 20	25.37	MAY 31	26.09	JUL 16	25.97	SEP 19	24.94

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 2-in steel casing, 0.34 ft above land-surface datum.
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.53 ft 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 2000 TO SEPTEMBER 2001

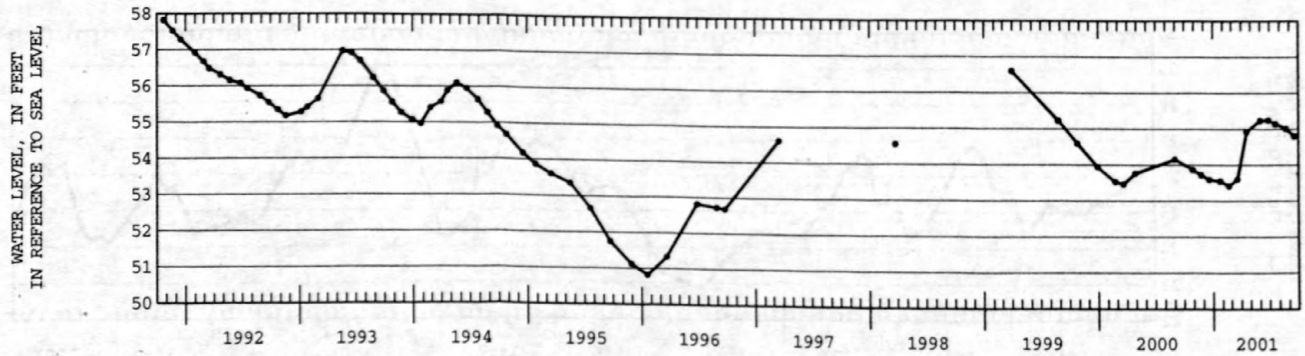
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	17.14	DEC 20	16.53	FEB 21	16.17	APR 19	17.27	JUN 28	19.26	AUG 23	19.33
NOV 24	16.81	JAN 24	16.26	MAR 20	16.35	MAY 31	19.18	JUL 16	19.40	SEP 19	19.04



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 2-in steel 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	53.88	DEC 19	53.60	FEB 20	53.42	APR 18	54.93	JUN 26	55.25	AUG 21	55.02
NOV 23	53.73	JAN 23	53.56	MAR 19	53.61	MAY 31	55.24	JUL 18	55.15	SEP 17	54.81

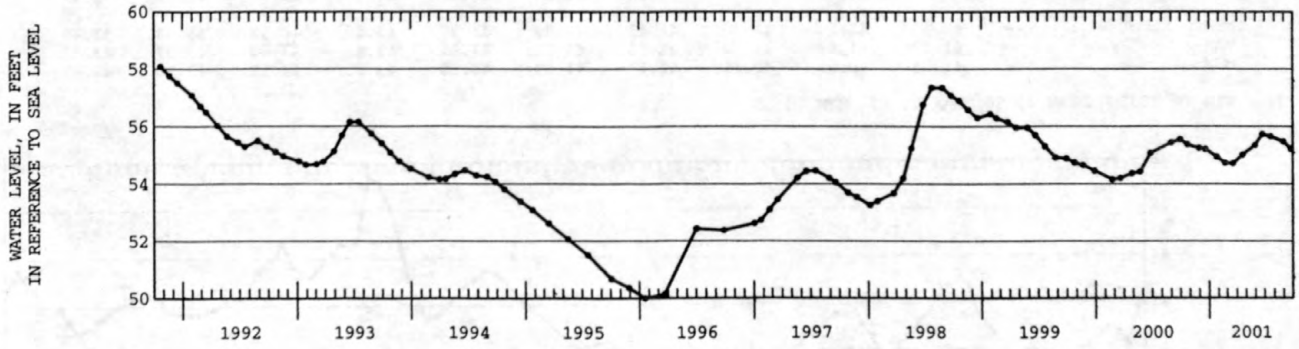


SUFFOLK COUNTY--Continued

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.--Augered 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 2-in PVC coupling, 0.24 ft below land-surface datum.
REMARKS.--Replaced well S3955.3 in April 1975 at 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 2000 TO SEPTEMBER 2001

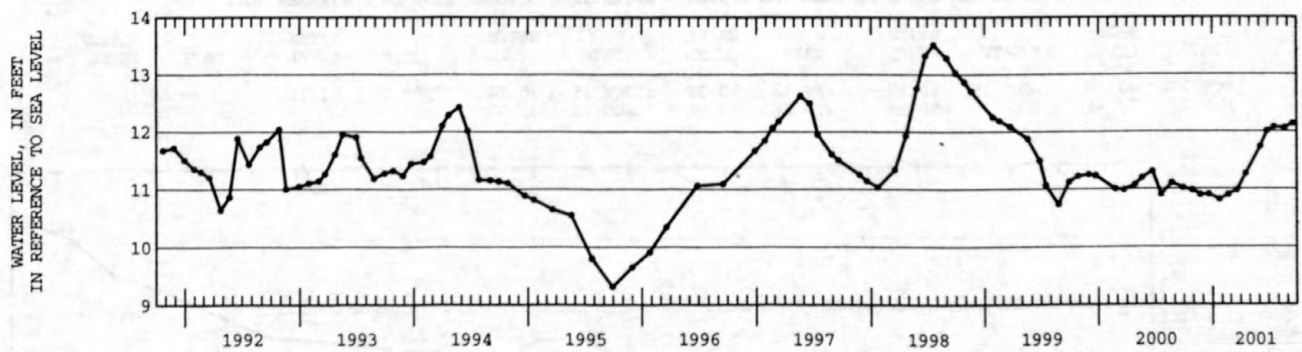
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	55.38	DEC 20	55.22	FEB 21	54.73	APR 19	55.02	JUN 22	55.74	AUG 30	55.48
NOV 29	55.26	JAN 25	54.95	MAR 19	54.72	MAY 30	55.36	JUL 19	55.66	SEP 24	55.23



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 4-in steel 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	10.98	DEC 19	10.91	FEB 20	10.90	APR 18	11.27	JUN 26	12.01	AUG 21	12.06
NOV 22	10.90	JAN 23	10.82	MAR 20	10.98	JUN 04	11.74	JUL 18	12.08	SEP 17	12.14



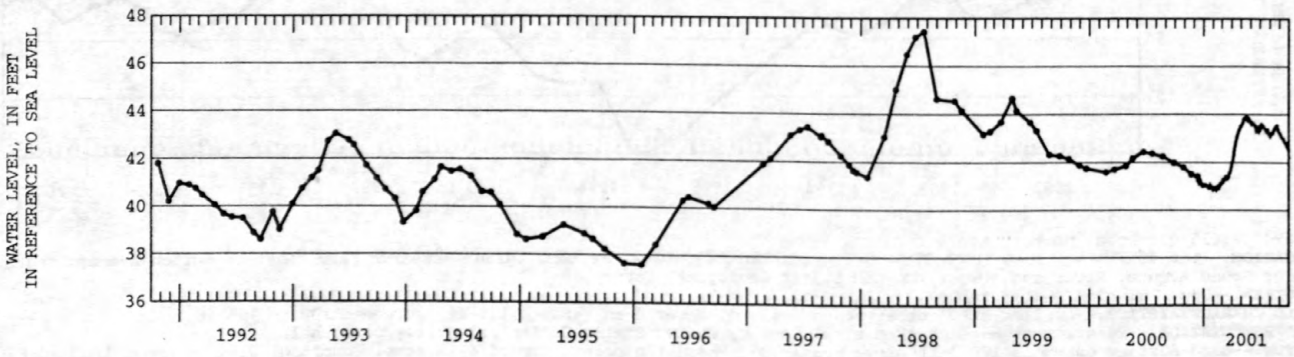
SUFFOLK COUNTY--Continued

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 4-in steel casing, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	41.07	41.02	41.26	42.24	43.64	43.61	43.59	43.22	43.11
10	---	---	---	41.02	40.94	41.36	42.61	43.86	43.60	43.53	43.22	43.03
15	---	---	41.20	40.99	40.97	41.33	42.98	43.87	43.51	43.43	43.41	42.91
20	---	---	41.28	40.98	41.08	41.36	43.20	43.85	43.41	43.32	43.53	42.79
25	---	---	41.05	40.97	41.17	41.58	43.37	43.75	43.47	43.29	43.39	42.75
EOM	---	---	41.07	40.95	41.14	41.93	43.51	43.67	43.38	43.12	43.25	42.49
MEAN	---	---	41.17	41.00	41.00	41.43	42.89	43.77	43.50	43.38	43.34	42.89
MAX	---	---	41.37	41.08	41.17	41.93	43.51	43.87	43.68	43.60	43.57	43.23
MIN	---	---	41.03	40.91	40.89	41.17	41.99	43.55	43.25	43.12	43.10	42.49

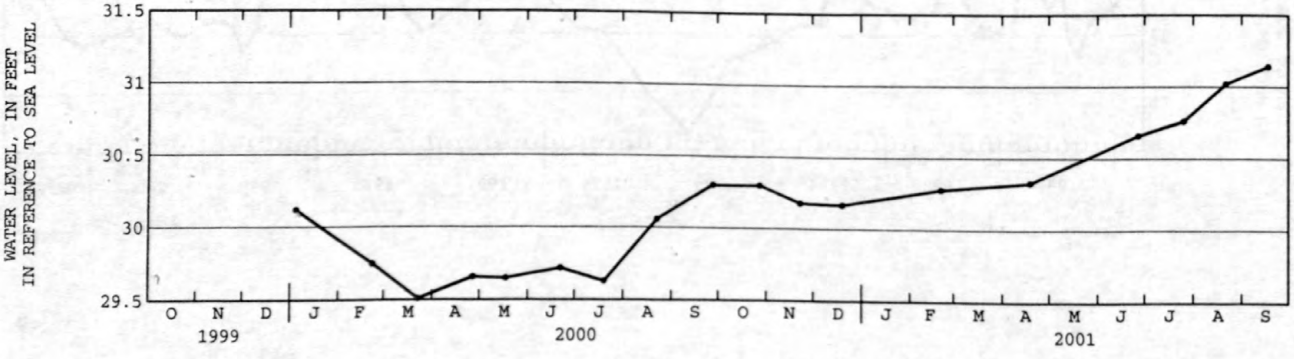
WTR YR 2001 MEAN 42.50 MAX 43.87 MIN 40.89



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 at same location
PERIOD OF RECORD.--January 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.14 ft above sea level, September 17, 2001; lowest measured, 29.51 ft above sea level, March 22, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	30.30	DEC 19	30.17	APR 18	30.33	JUL 25	30.76	SEP 17	31.14		
NOV 22	30.18	FEB 20	30.28	JUN 26	30.66	AUG 21	31.02				

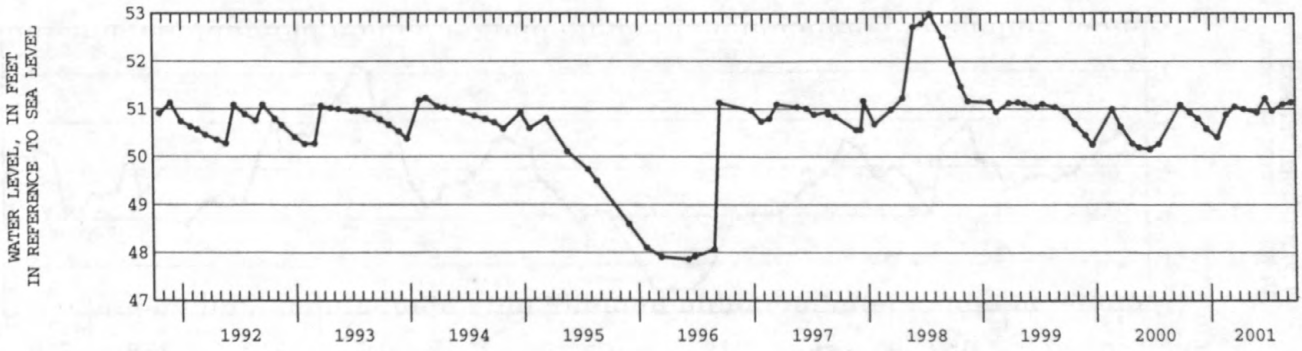


SUFFOLK COUNTY--Continued

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 2000 TO SEPTEMBER 2001

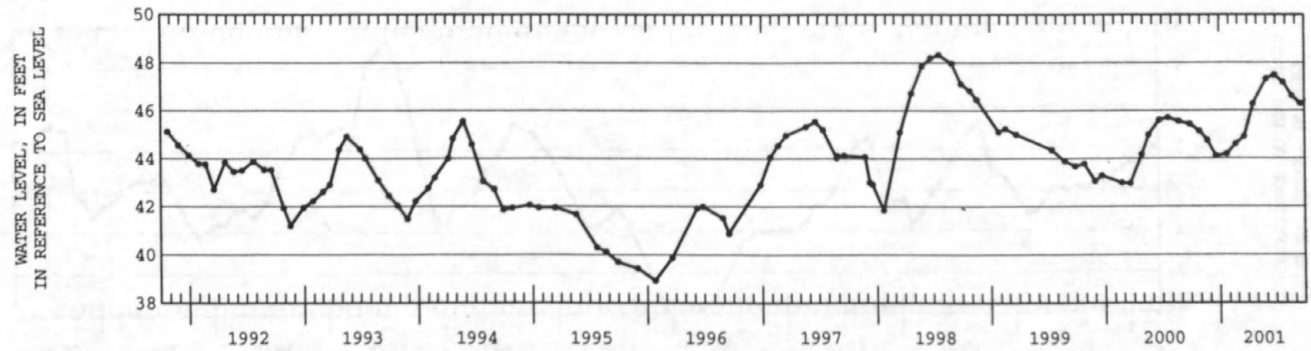
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	50.93	DEC 19	50.59	FEB 20	50.89	APR 18	51.00	JUN 26	51.22	AUG 21	51.10
NOV 22	50.80	JAN 23	50.41	MAR 20	51.05	MAY 31	50.93	JUL 18	50.96	SEP 17	51.14



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 4-in steel casing at yellow arrow, 1.48 ft below land-surface datum.
PERIOD OF RECORD.--January 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.98 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	45.14	DEC 19	44.11	FEB 20	44.61	APR 18	46.28	JUN 26	47.48	AUG 21	46.62
NOV 22	44.76	JAN 23	44.19	MAR 20	44.92	MAY 31	47.32	JUL 24	47.18	SEP 17	46.29

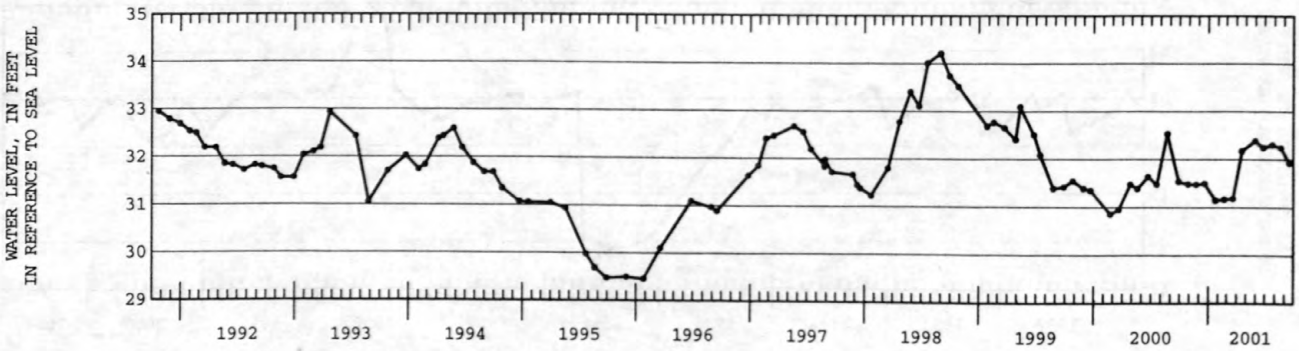


SUFFOLK COUNTY--Continued

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 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 2000 TO SEPTEMBER 2001

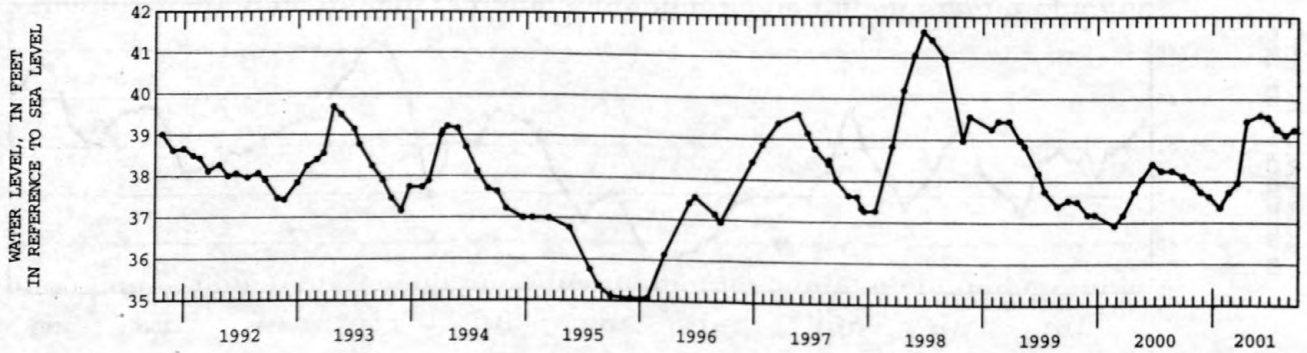
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	31.49	DEC 19	31.50	FEB 20	31.17	APR 18	32.18	JUN 26	32.25	AUG 21	32.25
NOV 22	31.48	JAN 23	31.15	MAR 20	31.19	MAY 31	32.39	JUL 24	32.31	SEP 17	31.94



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, under manhole cover, 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 4-in steel casing, 0.45 ft below land-surface datum.
PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.50 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	38.00	DEC 19	37.64	FEB 20	37.74	APR 18	39.46	JUN 26	39.56	AUG 21	39.13
NOV 22	37.75	JAN 23	37.37	MAR 20	37.97	MAY 31	39.61	JUL 24	39.28	SEP 17	39.26

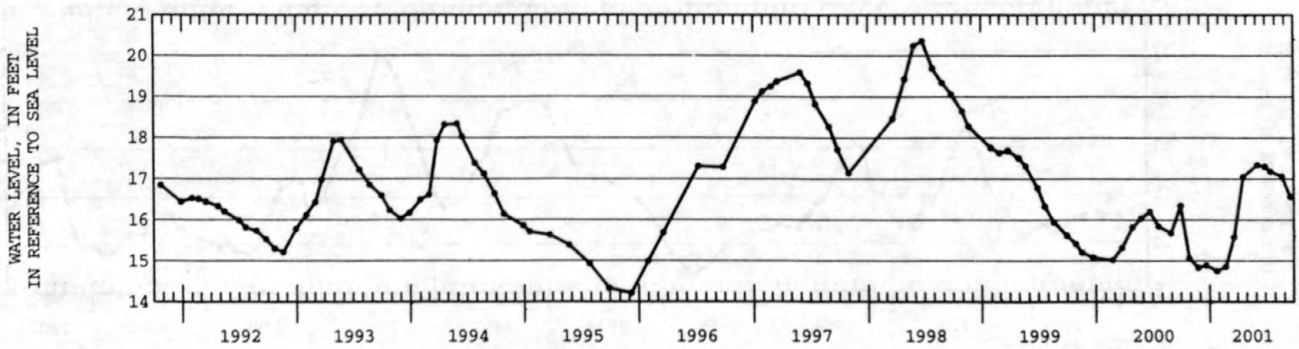


SUFFOLK COUNTY--Continued

405756072173501. Local number, S8833.1
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at west side of Toppings Path, near Crooked Pond, Bridgehampton. Owner: Town of Southampton.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven steel observation well, diameter 2 in., depth 13 ft, screened 10 to 13 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 20.0 ft above sea level. Measuring point: Top of 2-in steel casing, 1.63 ft above land-surface datum.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are available in files of 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 2000 TO SEPTEMBER 2001

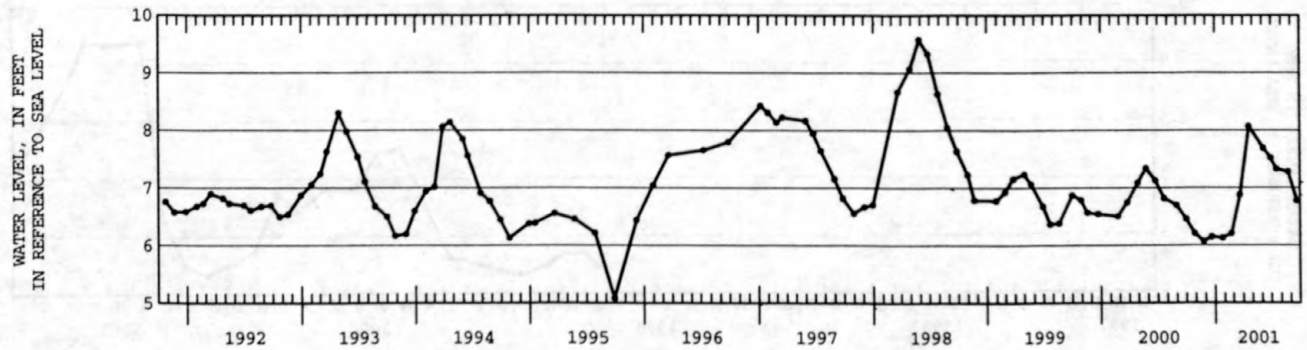
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	15.06	DEC 20	14.89	FEB 21	14.86	APR 19	17.05	JUN 29	17.30	AUG 23	17.06
NOV 24	14.83	JAN 24	14.75	MAR 20	15.58	JUN 04	17.34	JUL 17	17.18	SEP 19	16.57



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.21	DEC 20	6.15	FEB 21	6.21	APR 19	8.07	JUN 28	7.52	AUG 23	7.28
NOV 24	6.07	JAN 24	6.13	MAR 20	6.88	JUN 04	7.69	JUL 16	7.33	SEP 19	6.78

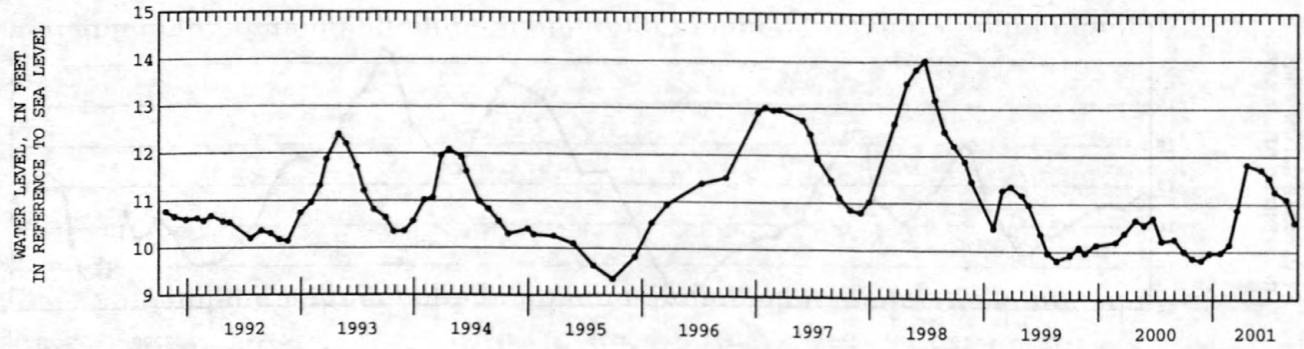


SUFFOLK COUNTY--Continued

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 2000 TO SEPTEMBER 2001

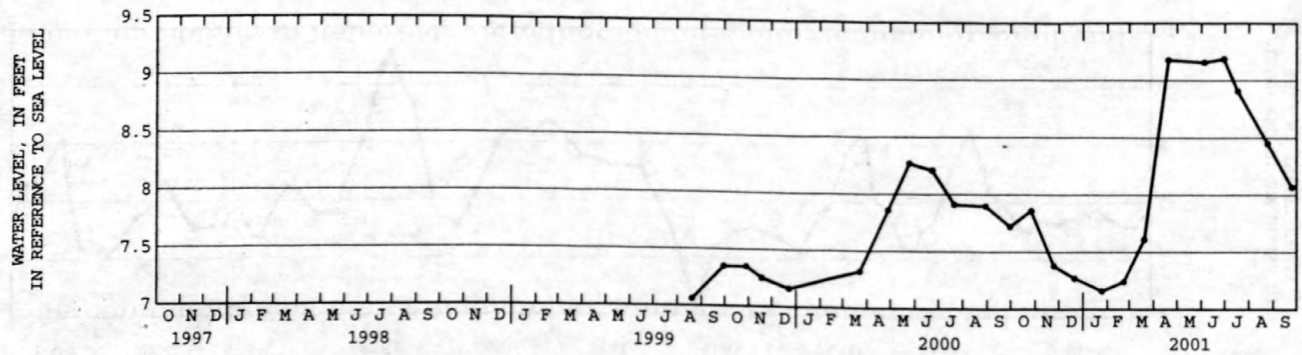
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.86	DEC 20	9.97	FEB 21	10.15	APR 19	11.83	JUN 29	11.55	AUG 23	11.10
NOV 24	9.82	JAN 24	9.98	MAR 19	10.87	JUN 04	11.72	JUL 17	11.26	SEP 19	10.61



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 at 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, 7.06 ft above sea level, August 19, 1999.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.86	DEC 20	7.27	FEB 21	7.24	APR 19	9.18	JUN 29	9.19	AUG 24	8.45
NOV 24	7.38	JAN 24	7.16	MAR 19	7.61	JUN 04	9.16	JUL 17	8.91	SEP 24	8.07



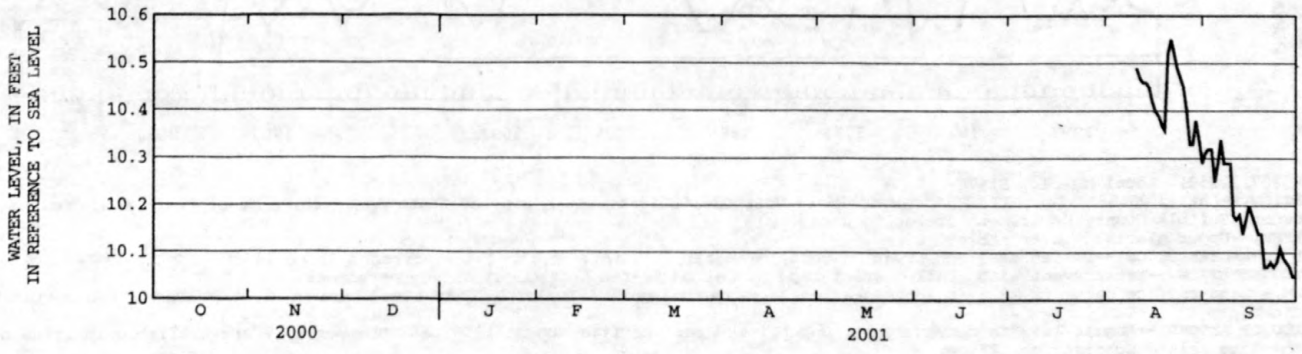
SUFFOLK COUNTY--Continued

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 2-in PVC 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, 8.76 ft above sea level, January 24, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	---	---	10.29
10	---	---	---	---	---	---	---	---	---	---	10.49	10.18
15	---	---	---	---	---	---	---	---	---	---	10.42	10.20
20	---	---	---	---	---	---	---	---	---	---	10.52	10.07
25	---	---	---	---	---	---	---	---	---	---	10.45	10.11
EOM	---	---	---	---	---	---	---	---	---	---	10.29	10.05
MEAN	---	---	---	---	---	---	---	---	---	---	10.42	10.17
MAX	---	---	---	---	---	---	---	---	---	---	10.55	10.34
MIN	---	---	---	---	---	---	---	---	---	---	10.29	10.05

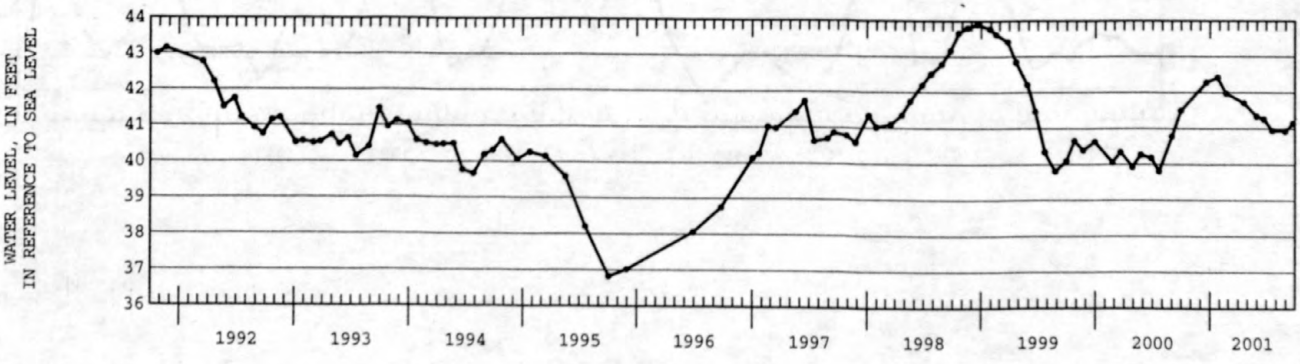
WTR YR 2001 MEAN 10.28 MAX 10.55 MIN 10.05



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	42.28	FEB 21	41.97	MAY 30	41.34	JUL 19	40.94	SEP 24	41.15		
JAN 25	42.42	APR 19	41.71	JUN 22	41.26	AUG 30	40.93				

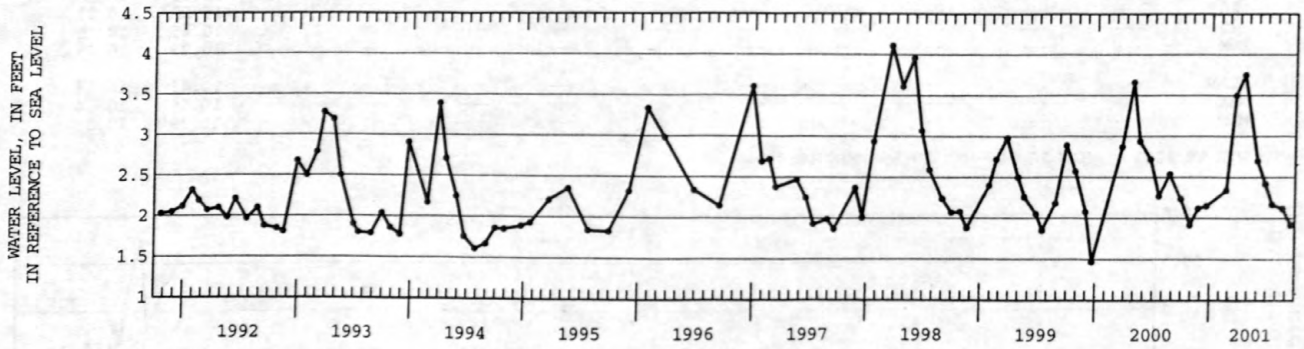


SUFFOLK COUNTY--Continued

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 2000 TO SEPTEMBER 2001

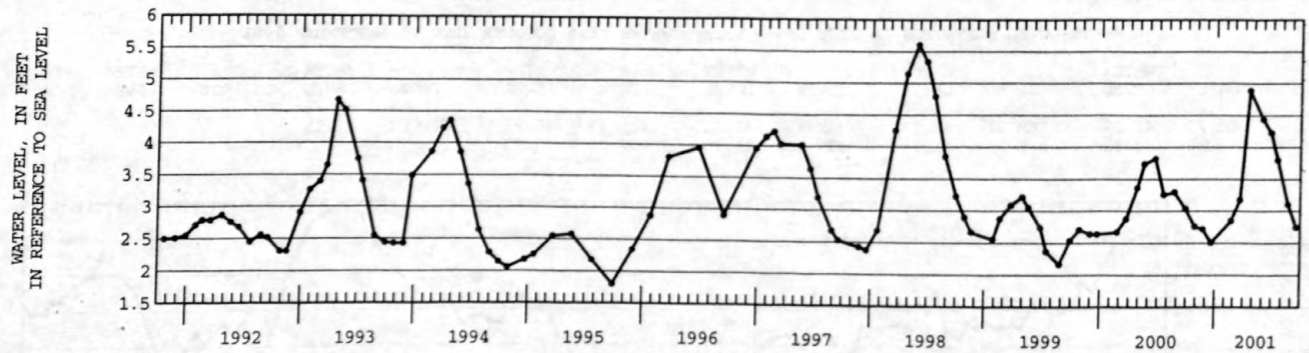
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	1.92	DEC 19	2.15	MAR 20	3.50	MAY 31	2.70	JUL 18	2.17	SEP 17	1.92
NOV 22	2.12	FEB 20	2.34	APR 18	3.75	JUN 26	2.42	AUG 21	2.12		



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 ¼ 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 1 ¼-in steel casing, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--August 1958 to current year. Unpublished records from August 1958 to September 1977 are available in files of 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.76	DEC 19	2.51	MAR 20	3.18	MAY 31	4.44	JUL 18	3.80	SEP 17	2.75
NOV 22	2.72	FEB 20	2.85	APR 18	4.89	JUN 26	4.23	AUG 21	3.11		

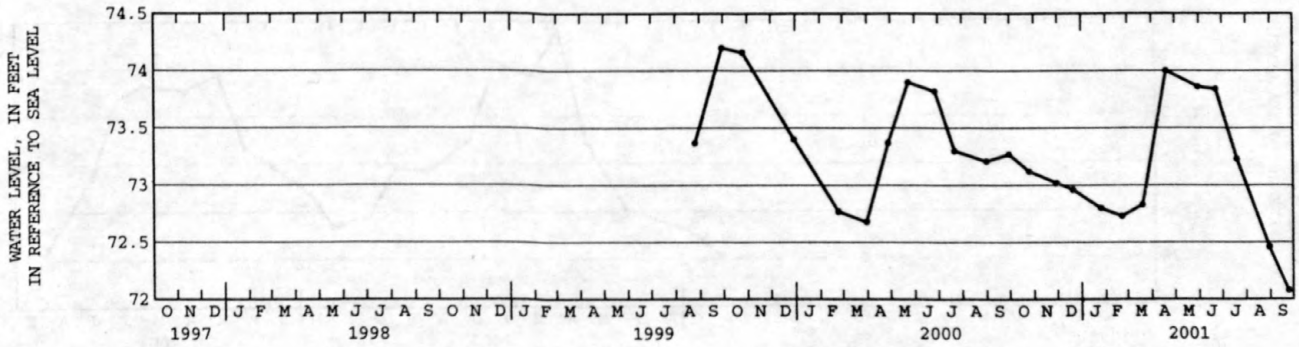


SUFFOLK COUNTY--Continued

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 at 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, 72.08 ft above sea level, September 24, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

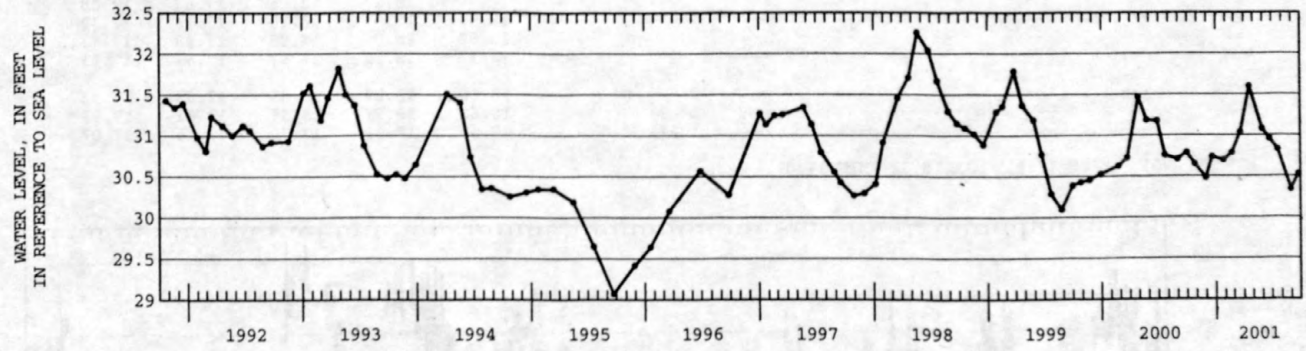
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	73.12	DEC 20	72.96	FEB 21	72.73	APR 19	74.00	JUN 22	73.84	AUG 30	72.46
NOV 29	73.02	JAN 25	72.80	MAR 19	72.83	MAY 30	73.86	JUL 19	73.23	SEP 24	72.08



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 2-in steel casing, 0.34 ft below land-surface datum.
PERIOD OF RECORD.--July 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.05 ft above sea level, January 23, 1974; lowest measured, 29.07 ft above sea level, September 21, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	30.65	DEC 20	30.74	FEB 21	30.79	APR 19	31.60	JUN 22	30.96	AUG 30	30.34
NOV 29	30.48	JAN 25	30.70	MAR 20	31.04	MAY 30	31.08	JUL 19	30.83	SEP 24	30.53

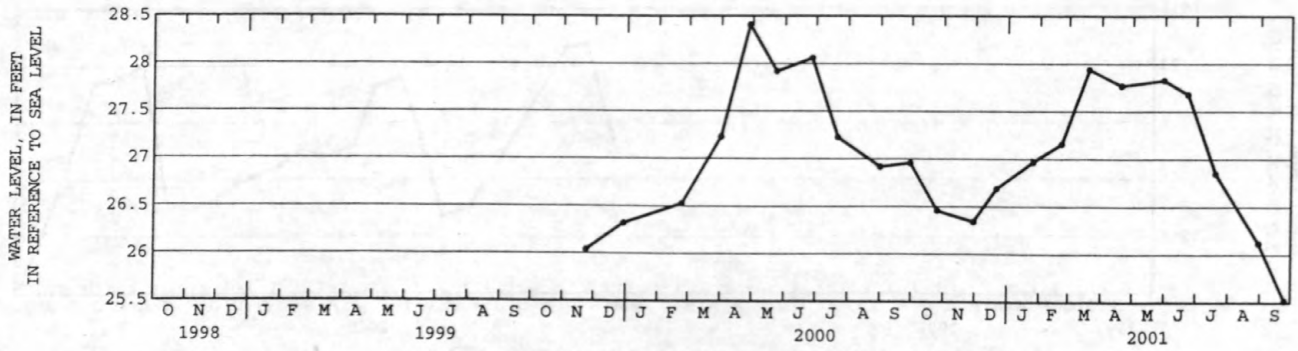


SUFFOLK COUNTY--Continued

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 at 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, 25.52 ft above sea level, September 24, 2001.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	26.46	DEC 21	26.69	FEB 21	27.16	APR 19	27.77	JUN 22	27.68	AUG 30	26.12
NOV 29	26.34	JAN 25	26.97	MAR 19	27.94	MAY 30	27.83	JUL 19	26.85	SEP 24	25.52

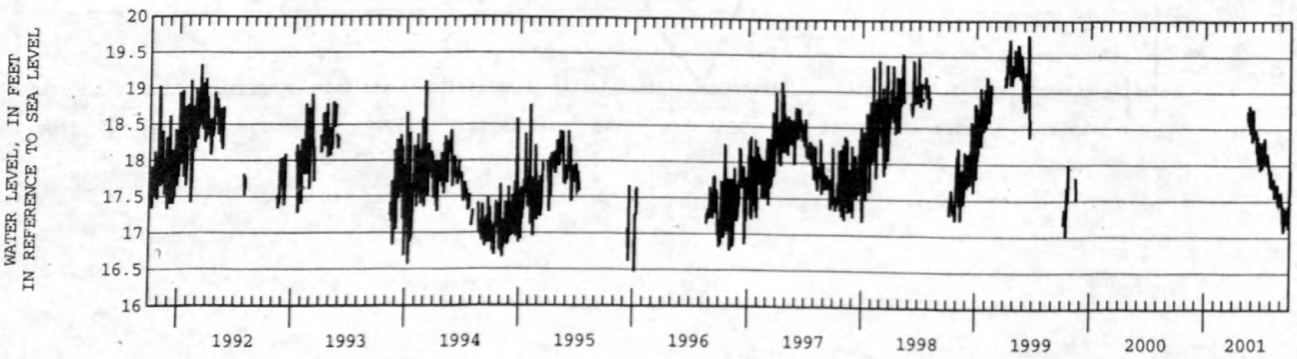


403727073154601. Local number, S21091.1
LOCATION.--Lat 40°37'27", long 73°15'48", Hydrologic Unit 02030202, at Robert Moses State Park, in water treatment building, Fire Island. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled steel observation well, 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	18.38	18.32	17.74	17.35
10	---	---	---	---	---	---	---	---	18.44	18.35	17.72	17.16
15	---	---	---	---	---	---	---	---	18.17	18.06	17.67	17.38
20	---	---	---	---	---	---	---	18.59	18.07	18.10	17.73	17.32
25	---	---	---	---	---	---	---	18.50	18.03	17.88	17.48	17.43
EOM	---	---	---	---	---	---	---	18.32	18.22	17.82	17.62	17.93
MEAN	---	---	---	---	---	---	---	18.60	18.29	18.05	17.63	17.32
MAX	---	---	---	---	---	---	---	18.82	18.77	18.37	17.81	17.93
MIN	---	---	---	---	---	---	---	18.32	17.93	17.70	17.46	17.07

WTR YR 2001 MEAN 17.91 MAX 18.82 MIN 17.07



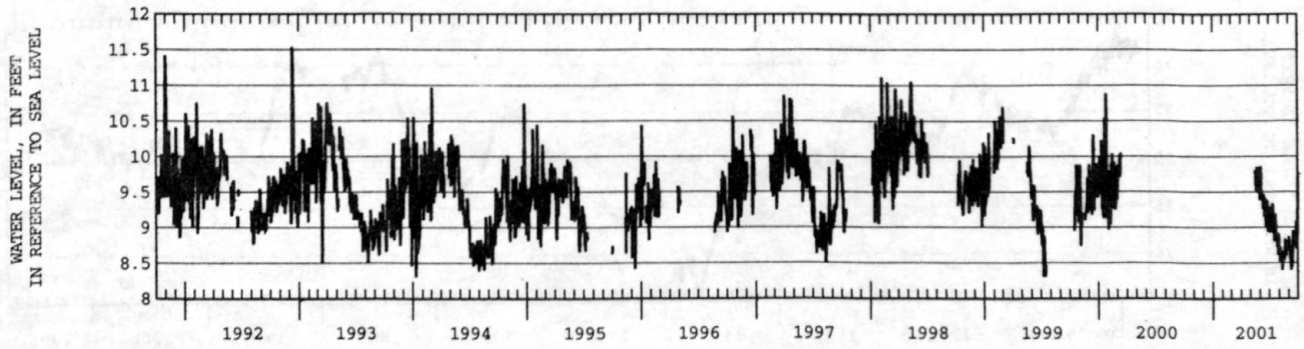
SUFFOLK COUNTY--Continued

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	9.46	9.29	8.68	8.59
10	---	---	---	---	---	---	---	---	9.26	9.23	8.54	8.53
15	---	---	---	---	---	---	---	---	9.17	8.94	8.63	8.95
20	---	---	---	---	---	---	---	9.52	9.04	9.10	8.84	8.88
25	---	---	---	---	---	---	---	9.62	9.05	8.73	8.72	9.09
EOM	---	---	---	---	---	---	---	9.39	9.15	8.75	8.82	9.72
MEAN	---	---	---	---	---	---	---	9.64	9.29	8.98	8.65	8.79
MAX	---	---	---	---	---	---	---	9.85	9.86	9.34	8.84	9.72
MIN	---	---	---	---	---	---	---	9.39	8.94	8.61	8.40	8.41

WTR YR 2001 MEAN 9.01 MAX 9.86 MIN 8.40



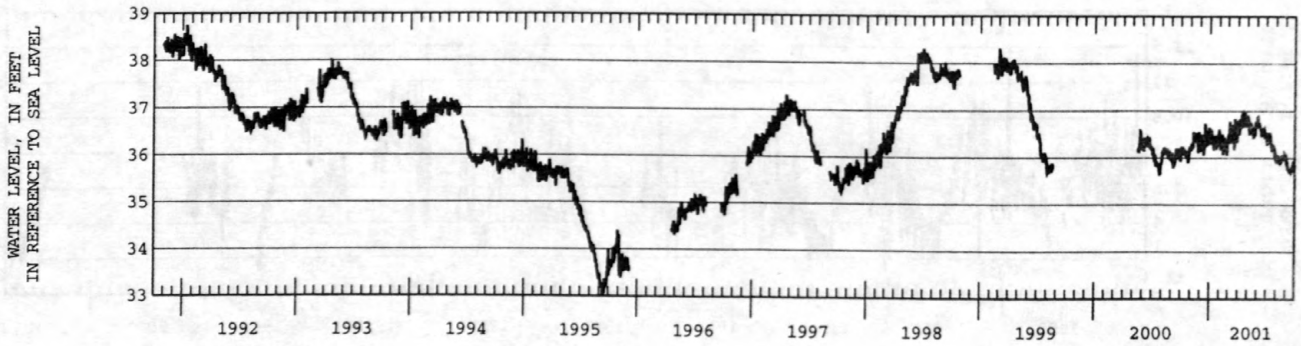
SUFFOLK COUNTY--Continued

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, 33.04 ft above sea level, September 16, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.16	36.32	36.45	36.54	36.47	36.63	36.53	36.81	36.72	36.49	35.94	35.86
10	36.20	36.56	36.24	36.37	36.51	36.51	36.75	36.72	36.66	36.53	36.00	35.76
15	36.15	36.48	36.20	36.33	36.44	36.51	36.92	36.68	36.49	36.33	35.93	35.71
20	36.05	36.41	36.58	36.45	36.31	36.19	36.67	36.45	36.58	36.17	36.07	35.73
25	36.08	36.13	36.30	36.41	36.28	36.51	36.81	36.47	36.49	36.23	35.96	35.94
EOM	36.20	36.46	36.60	36.61	36.36	36.77	36.78	36.70	36.50	35.96	36.04	35.84
MEAN	36.13	36.35	36.39	36.38	36.31	36.51	36.78	36.66	36.61	36.28	35.99	35.81
MAX	36.25	36.56	36.74	36.61	36.51	36.84	36.97	36.89	36.88	36.55	36.10	36.05
MIN	35.91	36.13	36.07	36.18	36.07	36.19	36.53	36.43	36.43	35.96	35.90	35.70

WTR YR 2001 MEAN 36.35 MAX 36.97 MIN 35.70



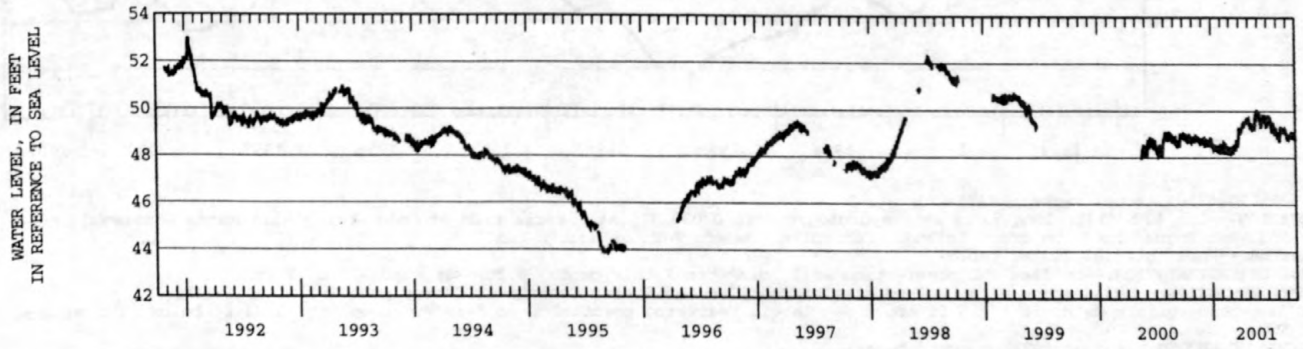
SUFFOLK COUNTY--Continued

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 43.83 ft above sea level, September 1, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.84	48.73	48.88	48.51	48.43	48.43	49.12	49.37	49.73	49.83	49.08	48.88
10	48.82	49.02	48.49	48.31	48.62	48.45	49.29	49.34	49.31	49.71	48.70	48.84
15	48.90	48.88	48.64	48.48	48.59	48.50	49.33	49.38	49.68	49.15	49.27	48.97
20	48.98	48.72	48.71	48.39	48.34	48.45	49.48	49.19	49.77	49.42	49.23	48.87
25	48.71	48.55	48.57	48.52	48.33	48.47	49.49	49.70	49.72	48.98	49.19	48.96
EOM	48.74	48.84	48.73	48.62	48.44	49.12	49.64	49.86	49.37	49.10	49.07	48.83
MEAN	48.83	48.78	48.68	48.43	48.37	48.52	49.39	49.51	49.63	49.37	49.10	48.90
MAX	49.05	49.02	48.89	48.64	48.65	49.31	49.74	50.02	49.98	49.83	49.36	49.01
MIN	48.67	48.55	48.45	48.23	48.13	48.19	49.04	49.19	49.29	48.98	48.70	48.79

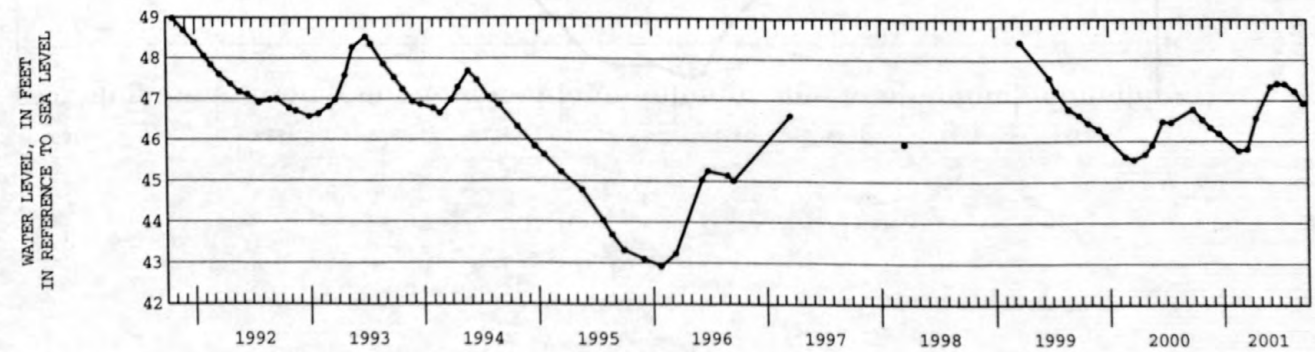
WTR YR 2001 MEAN 48.96 MAX 50.02 MIN 48.13



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 6-in steel casing, 0.78 ft above land-surface datum.
PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	46.53	DEC 19	46.19	MAR 20	45.81	JUN 04	47.34	JUL 20	47.41	SEP 17	46.93
NOV 22	46.34	FEB 20	45.77	APR 18	46.57	26	47.42	AUG 21	47.23		

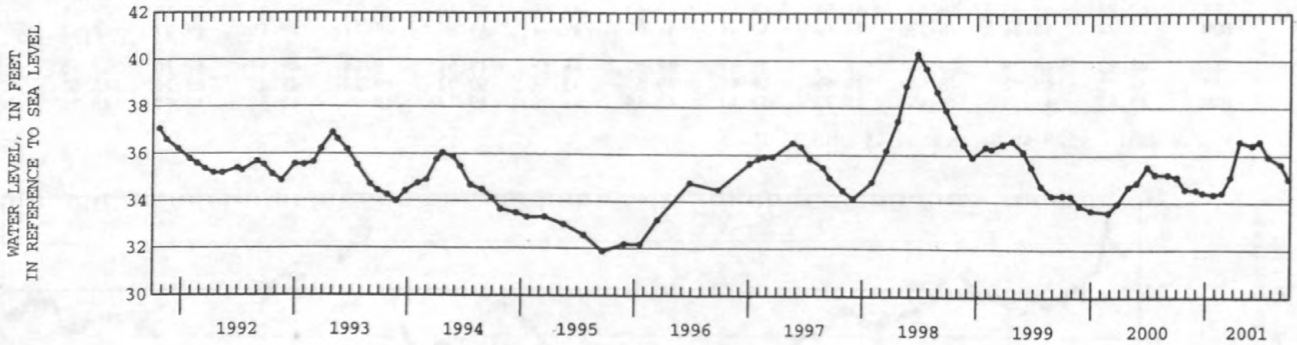


SUFFOLK COUNTY--Continued

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 2-in steel casing, 1.84 ft above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year. Unpublished records from October 1969 to September 1977 are available in files of 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 2000 TO SEPTEMBER 2001

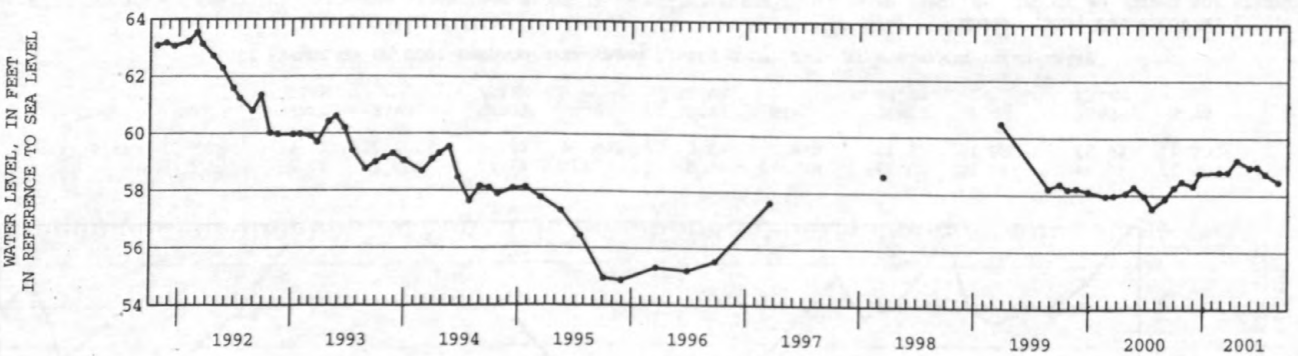
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	34.56	DEC 21	34.42	FEB 21	34.42	APR 19	36.58	JUN 22	36.58	AUG 30	35.62
NOV 29	34.54	JAN 25	34.35	MAR 20	35.07	MAY 30	36.42	JUL 20	35.94	SEP 24	35.01



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 2-in PVC coupling, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.02 ft above sea level, December 10, 1984; lowest measured, 54.87 ft above sea level, November 28, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	58.48	DEC 20	58.76	MAR 20	58.81	MAY 30	58.98	JUL 19	58.75		
NOV 29	58.33	FEB 21	58.81	APR 19	59.23	JUN 22	59.00	AUG 30	58.47		

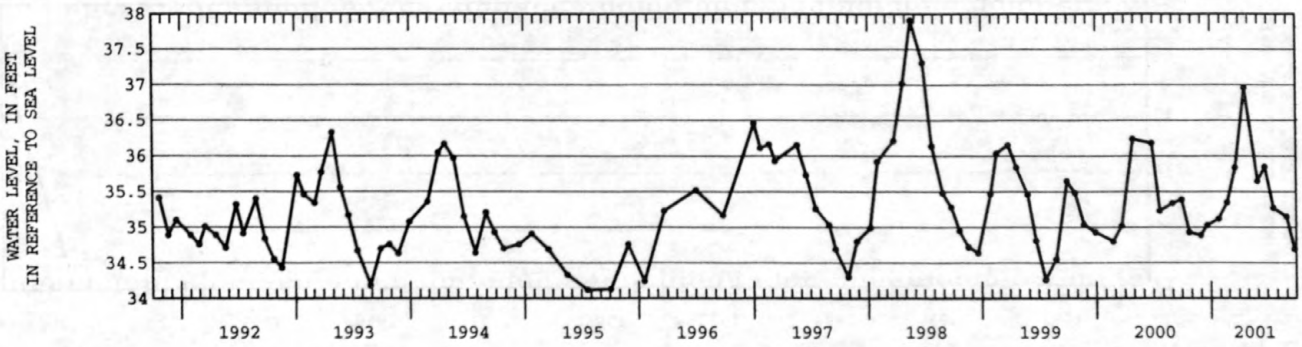


SUFFOLK COUNTY--Continued

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.--Augered 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 2-in PVC coupling, 0.01 ft below land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.93 ft 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 2000 TO SEPTEMBER 2001

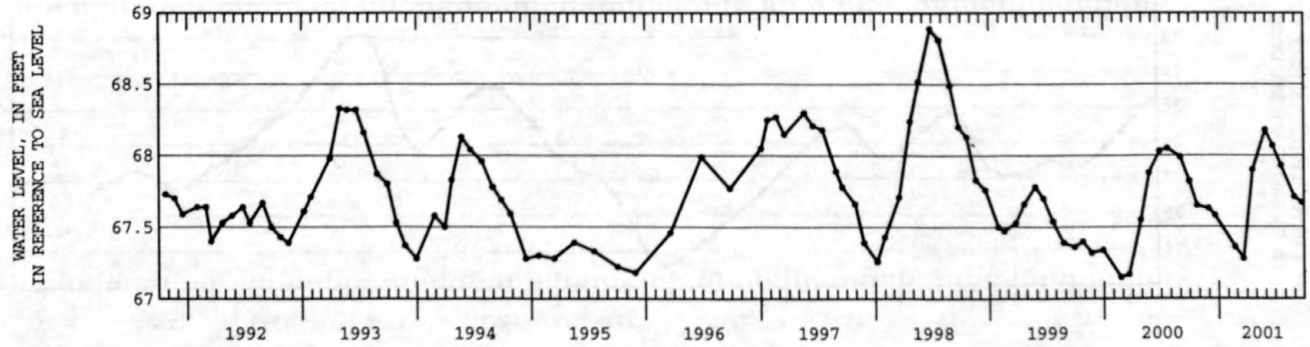
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	34.93	DEC 20	35.03	FEB 21	35.35	APR 19	36.96	JUN 22	35.85	AUG 30	35.15
NOV 29	34.89	JAN 25	35.12	MAR 19	35.84	MAY 30	35.65	JUL 19	35.27	SEP 24	34.69



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 2-in steel casing, 0.03 ft above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year. Unpublished records from September 1979 to September 1982 are available in files of 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	67.65	DEC 20	67.58	MAR 20	67.28	MAY 30	68.18	JUL 19	67.93	SEP 24	67.67
NOV 29	67.63	FEB 21	67.36	APR 19	67.90	JUN 22	68.07	AUG 30	67.71		

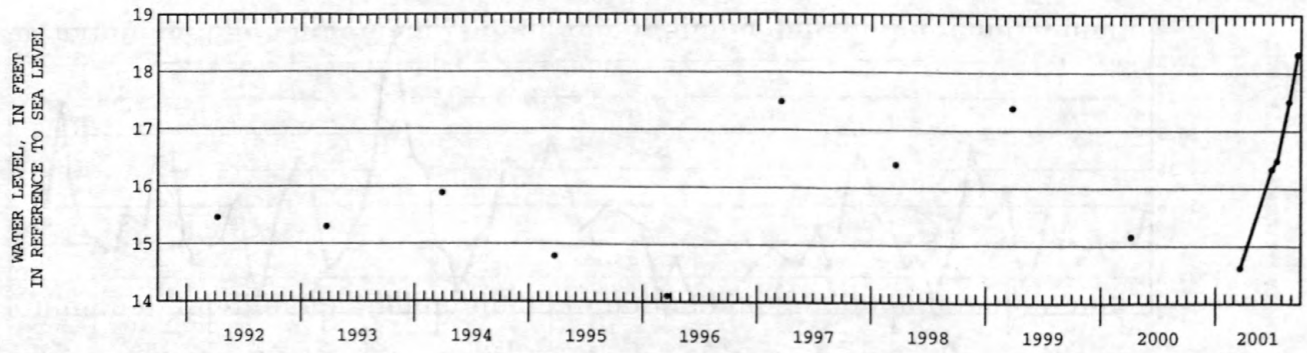


SUFFOLK COUNTY--Continued

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 2-in PVC 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 2000 TO SEPTEMBER 2001

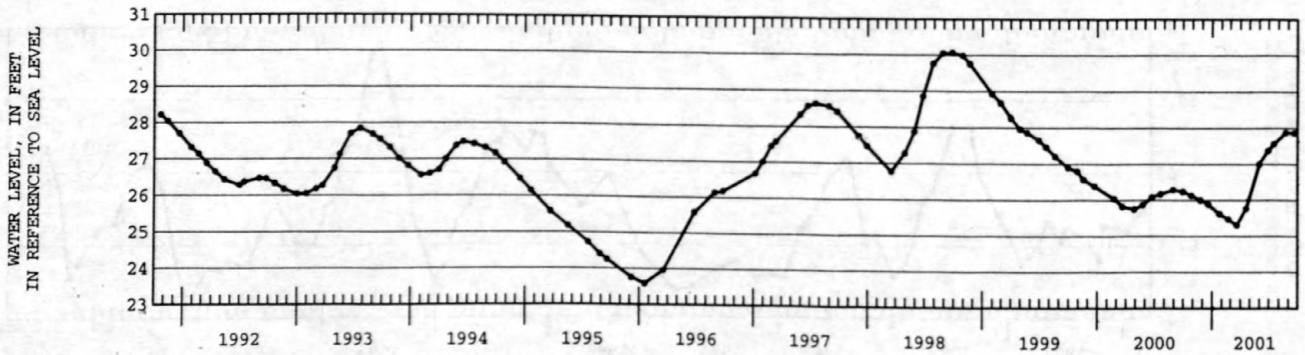
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	14.62	JUN 29	16.33	JUL 16	16.48	AUG 23	17.50	SEP 19	18.32



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 2-in PVC coupling, 0.19 ft below land-surface datum.
PERIOD OF RECORD.--December 1972 to current year. Unpublished records from December 1972 to September 1976 are available in files of 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	26.14	DEC 20	25.89	FEB 21	25.48	APR 19	25.78	JUN 28	27.38	AUG 23	27.88
NOV 24	26.01	JAN 24	25.63	MAR 20	25.32	MAY 31	27.01	JUL 16	27.57	SEP 19	27.87

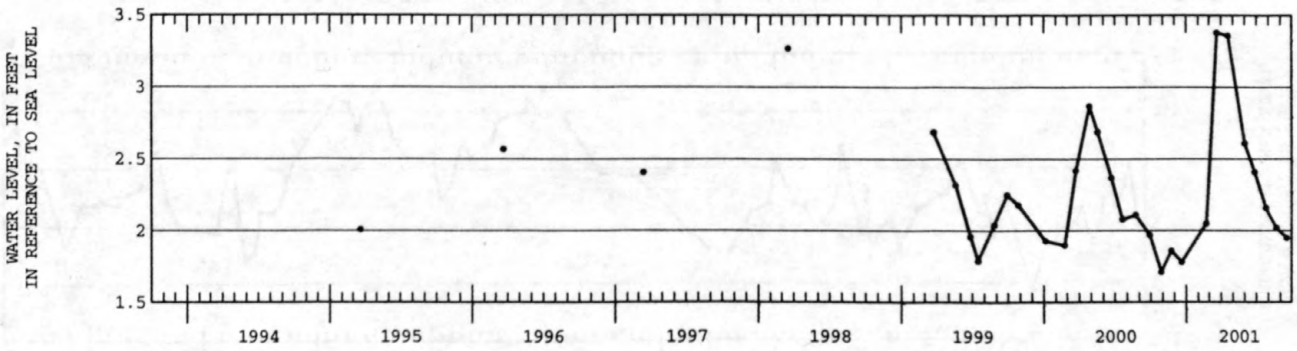


SUFFOLK COUNTY--Continued

405536072375303. Local number, S47231.2
LOCATION.--Lat 40°55'36", long 72°37'53", Hydrologic Unit 02030202, Indian Head County Park south of Hubbard Avenue, approximately 41 ft south of bathrooms, 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 2-in coupling, 0.64 ft below land-surface datum.
REMARKS.--Replaced well S47231.1 in March 1995 at 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, 1.71 ft above sea level, October 27, 2000.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

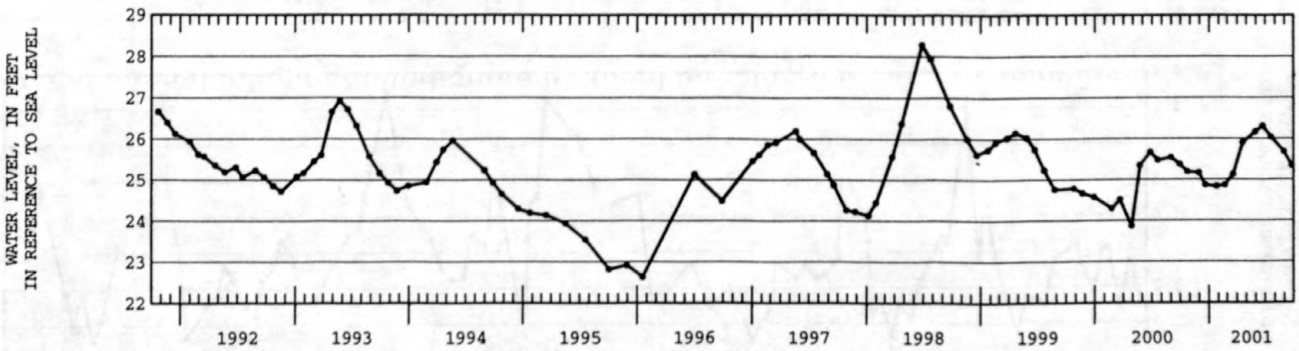
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	1.71	DEC 19	1.78	MAR 20	3.38	MAY 31	2.61	JUL 25	2.16	SEP 17	1.95
NOV 22	1.86	FEB 20	2.05	APR 18	3.36	JUN 26	2.41	AUG 21	2.02		



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.20	DEC 20	24.87	FEB 21	24.87	APR 19	25.91	JUN 22	26.31	AUG 30	25.68
NOV 29	25.17	JAN 25	24.84	MAR 19	25.13	MAY 30	26.17	JUL 19	26.04	SEP 24	25.35

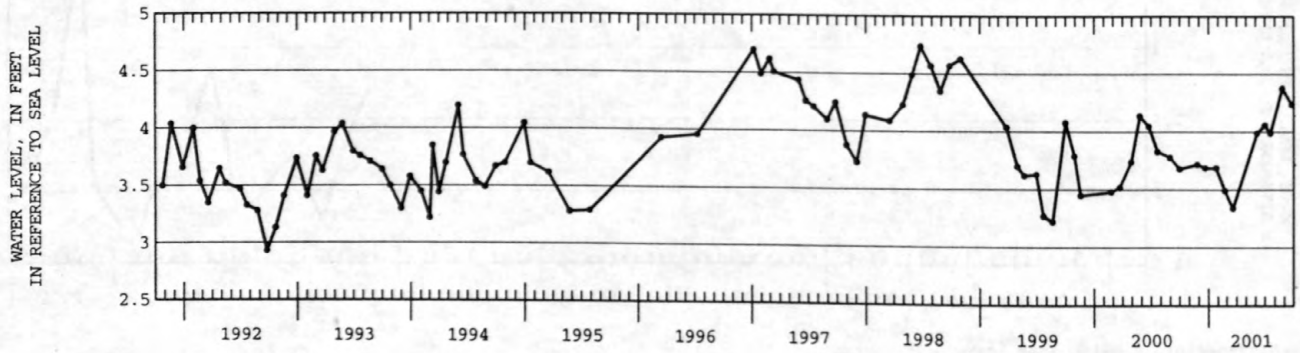


SUFFOLK COUNTY--Continued

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 2000 TO SEPTEMBER 2001

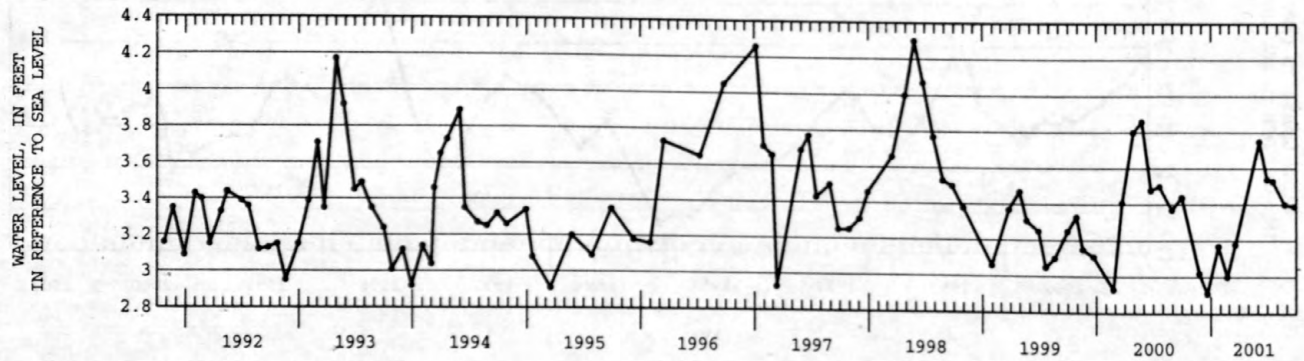
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	3.72	JAN 24	3.69	MAR 19	3.34	JUN 29	4.06	AUG 24	4.38		
DEC 20	3.69	FEB 21	3.49	JUN 04	3.99	JUL 17	3.99	SEP 24	4.24		



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 2000 TO SEPTEMBER 2001

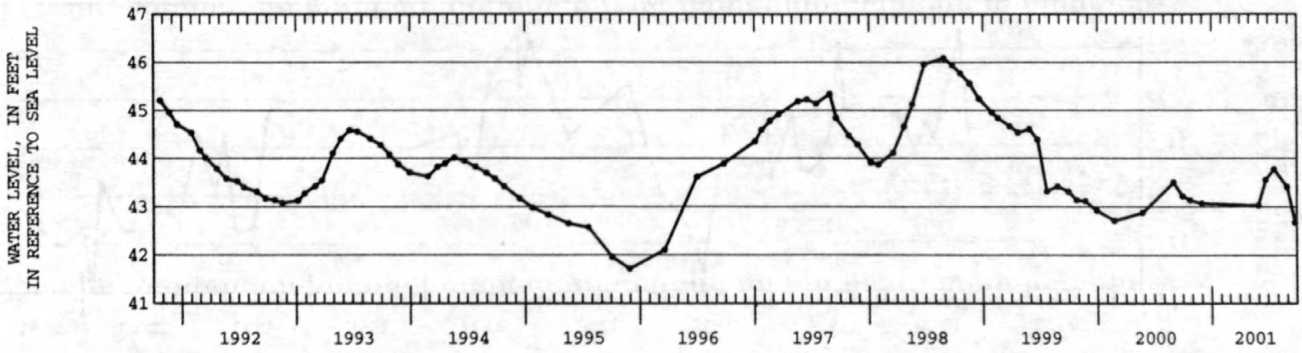
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	3.02	JAN 24	3.17	MAR 19	3.18	JUN 29	3.54	AUG 24	3.40		
DEC 20	2.91	FEB 21	3.00	JUN 04	3.75	JUL 17	3.53	SEP 24	3.39		



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 2-in PVC coupling, 0.01 ft above land-surface datum.
PERIOD OF RECORD.--December 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.23 ft above sea level, September 19, 1984; lowest measured, 41.51 ft above sea level, December 14, 1981.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

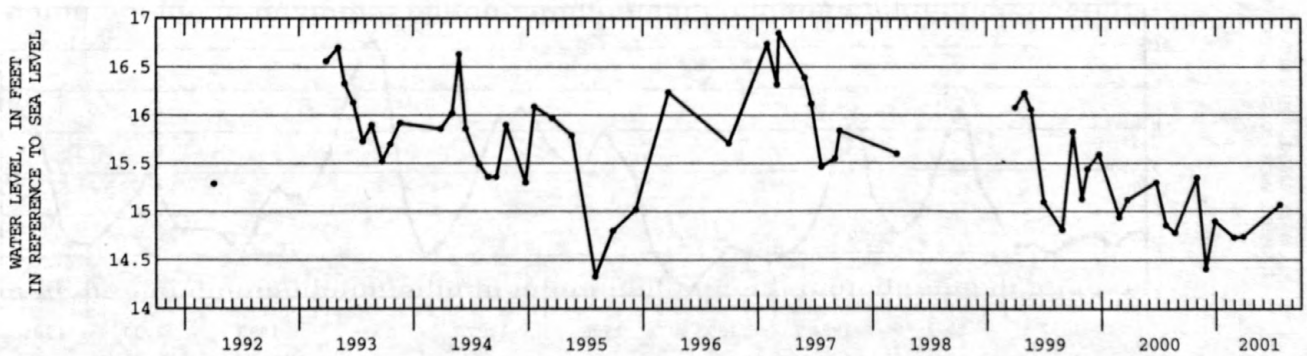
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	43.14	MAY 30	43.03	JUL 19	43.78	SEP 24	42.68				
NOV 29	43.07	JUN 22	43.56	AUG 30	43.41						



404357072515702. Local number, S52163.1
LOCATION.--Lat 40°43'57", long 72°51'57", Hydrologic Unit 02030202, at Smith Point County Park, south of traffic circle. 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 4-in steel 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, 14.32 ft above sea level, March 9, 1982.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	15.35	NOV 28	14.41	DEC 28	14.90	FEB 27	14.73	MAR 29	14.74	JUL 24	15.07

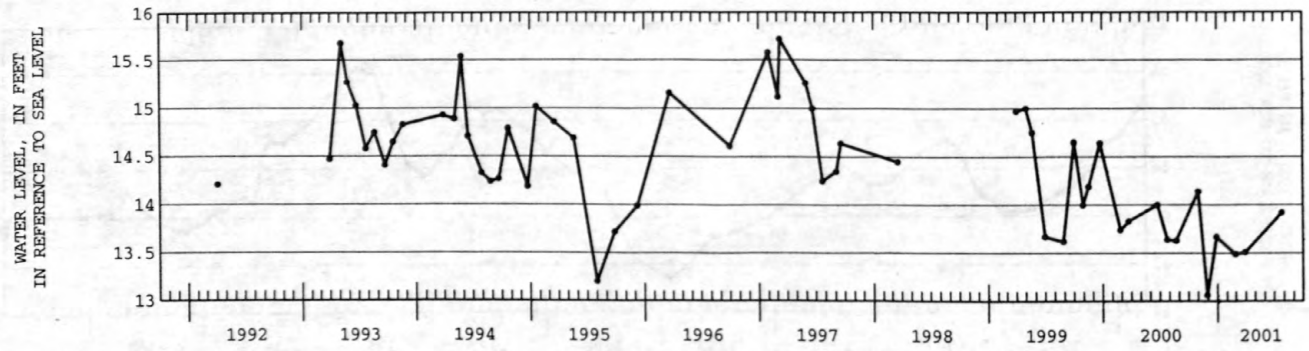


SUFFOLK COUNTY--Continued

404357072515703. Local number, S52164.1
LOCATION.--Lat 40°43'57", long 72°51'57", Hydrologic Unit 02030202, at Smith Point County Park, south of traffic circle. 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 4-in steel 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 2000 TO SEPTEMBER 2001

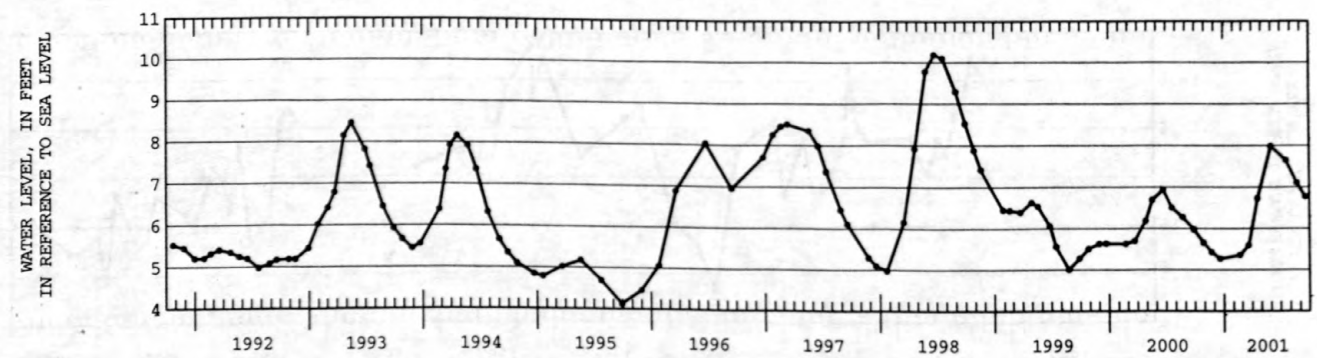
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	14.14	NOV 28	13.06	DEC 28	13.67	FEB 27	13.49	MAR 29	13.51	JUL 24	13.92



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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.66	DEC 19	5.27	MAR 20	5.60	MAY 31	7.99	AUG 21	7.11		
NOV 22	5.43	FEB 20	5.36	APR 18	6.73	JUL 18	7.65	SEP 17	6.77		

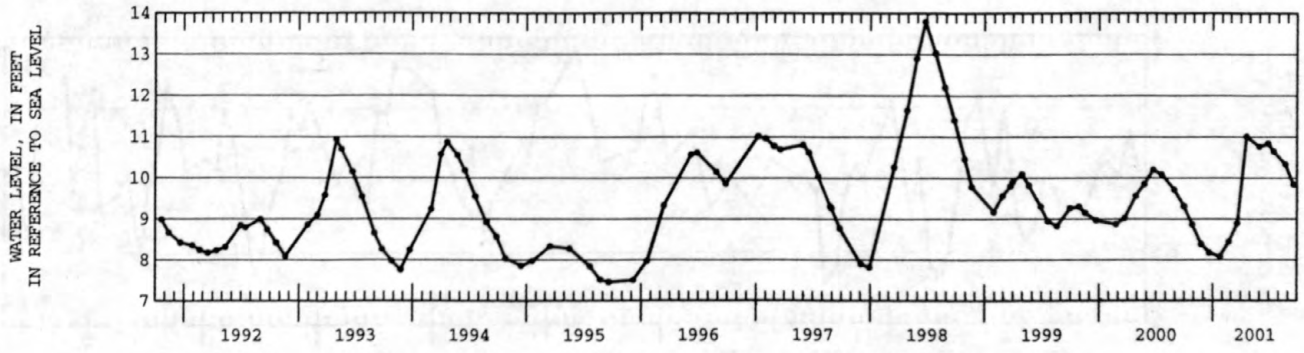


SUFFOLK COUNTY--Continued

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, Center Moriches. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 2 in., depth 34 ft, screened 30 to 34 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 33.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.43 ft below land-surface datum.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.80 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 2000 TO SEPTEMBER 2001

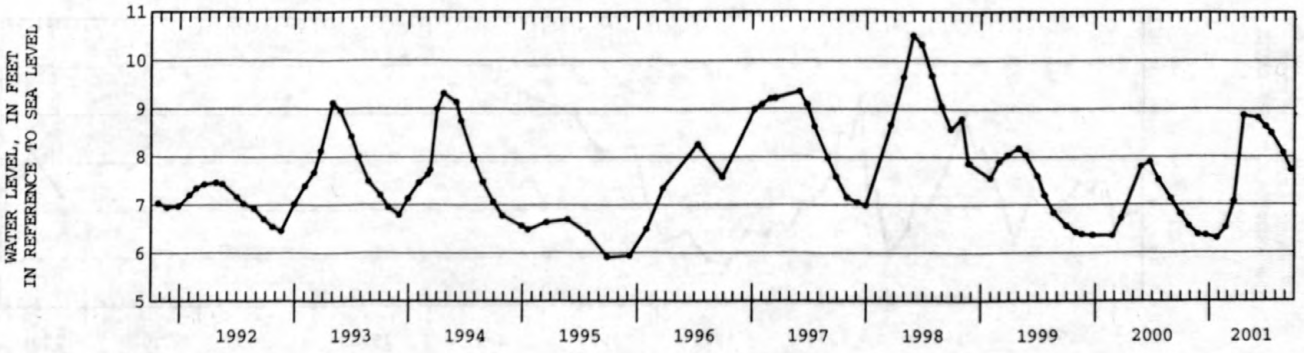
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.87	DEC 20	8.18	FEB 21	8.45	APR 19	11.02	JUN 28	10.85	AUG 23	10.34
NOV 24	8.39	JAN 24	8.09	MAR 20	8.90	MAY 31	10.77	JUL 16	10.65	SEP 19	9.85



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 2-in PVC coupling, 0.30 ft below land-surface datum.
PERIOD OF RECORD.--November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.52 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.56	DEC 20	6.37	FEB 21	6.53	APR 19	8.87	JUN 29	8.64	AUG 24	8.09
NOV 24	6.38	JAN 24	6.31	MAR 19	7.08	JUN 04	8.82	JUL 17	8.50	SEP 19	7.73

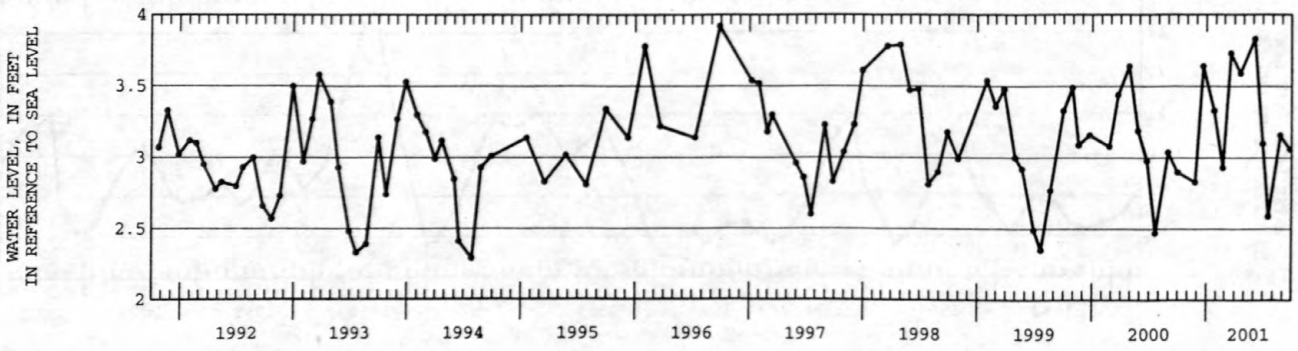


SUFFOLK COUNTY--Continued

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 mi 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 2-in PVC 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, 2.16 ft above sea level, July 22, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

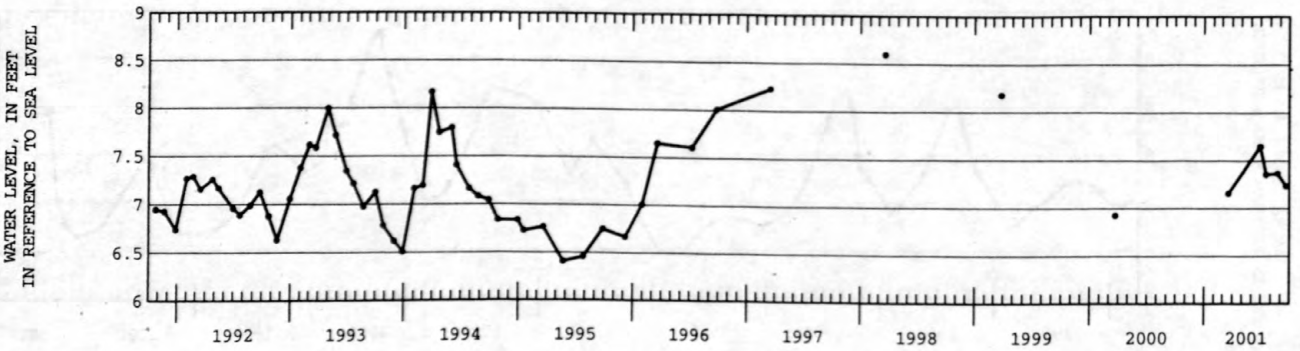
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	2.83	JAN 24	3.33	MAR 19	3.73	JUN 04	3.83	JUL 17	2.59	SEP 24	3.06
DEC 20	3.64	FEB 21	2.93	APR 19	3.59	29	3.10	AUG 24	3.16		



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 4-in PVC casing at yellow arrow, 0.02 ft above land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.69 ft above sea level, June 20, 1984; lowest measured, 6.16 ft above sea level, November 18, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 19	7.16	JUN 29	7.65	JUL 17	7.36	AUG 23	7.37	SEP 19	7.24

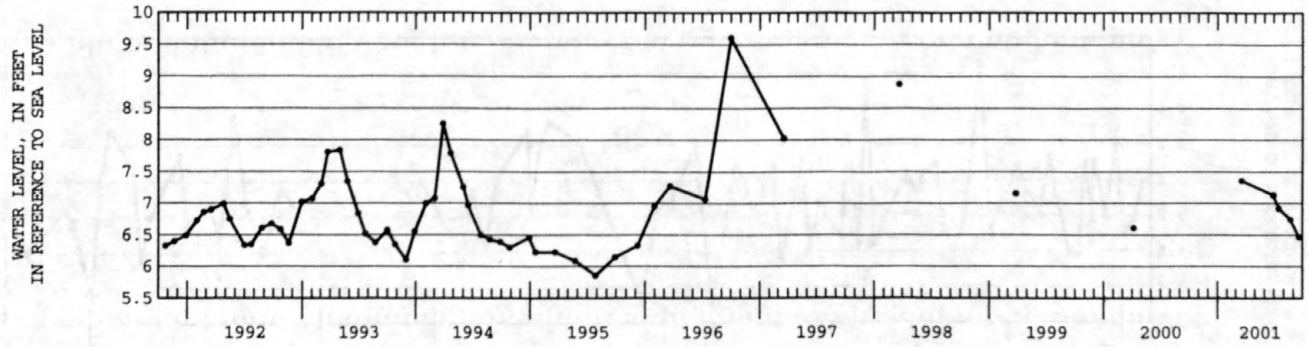


SUFFOLK COUNTY--Continued

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, southern most well, Wainscott. Owner: United States Geological Survey.
AQUIFER.--Upper glacial (water table).
WELL CHARACTERISTICS.--Driven PVC observation well, diameter 2 in., depth 14 ft, screened 10 to 14 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 12.0 ft above sea level. Measuring point: Top of 2-in PVC coupling, 0.51 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.61 ft above sea level, September 30, 1996; lowest measured, 5.86 ft above sea level, July 27, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

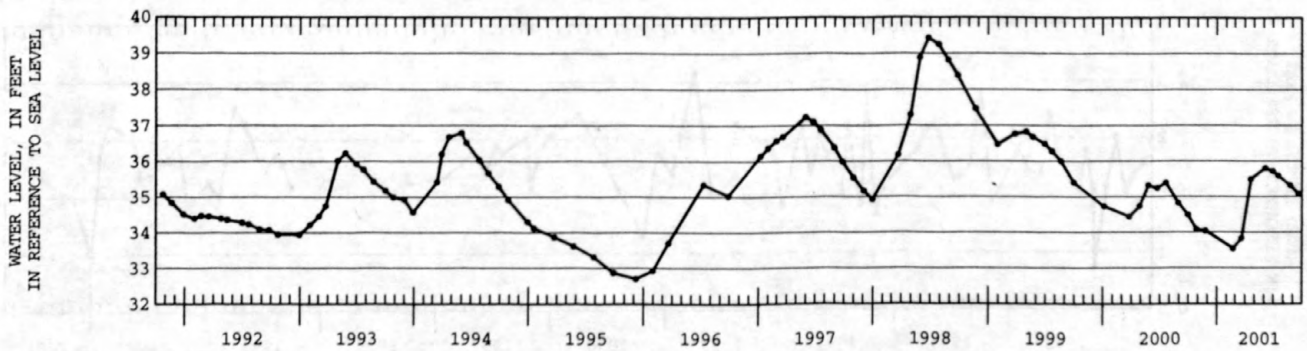
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 19	7.36	JUN 29	7.13	JUL 16	6.92	AUG 23	6.74	SEP 19	6.47



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 2-in PVC coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.43 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	34.08	FEB 21	33.54	APR 19	35.49	JUN 28	35.72	AUG 23	35.32		
NOV 24	34.04	MAR 20	33.83	JUN 04	35.80	JUL 16	35.59	SEP 19	35.08		

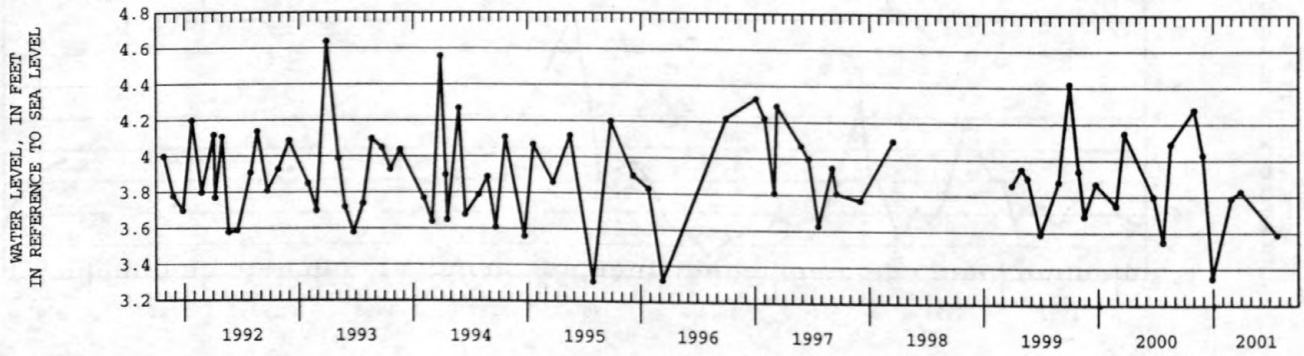


SUFFOLK COUNTY--Continued

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 6-in PVC 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 2000 TO SEPTEMBER 2001

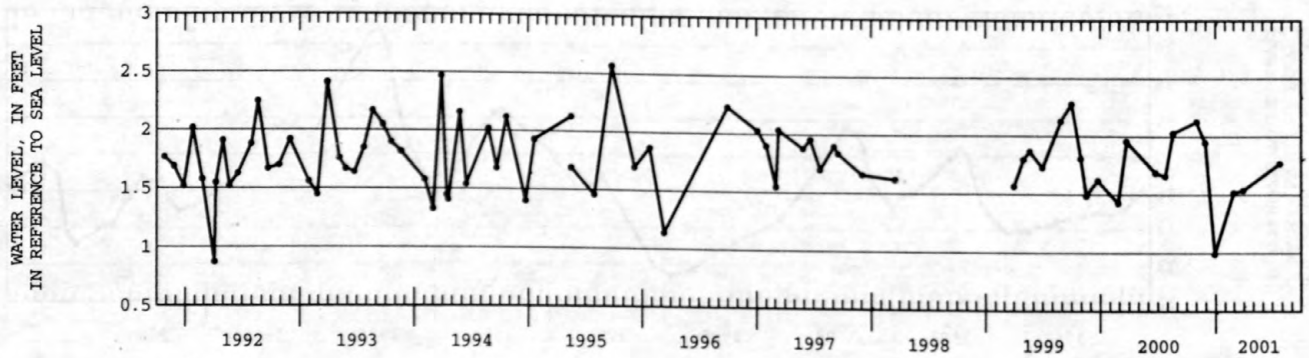
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	4.28	NOV 28	4.03	DEC 28	3.35	FEB 27	3.79	MAR 29	3.83	JUL 24	3.59



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 2-in PVC casing, 0.28 ft below land-surface datum.
REMARKS.--Water level affected by tidal fluctuation.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.57 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	2.13	NOV 28	1.95	DEC 28	.99	FEB 27	1.52	MAR 29	1.54	JUL 24	1.77

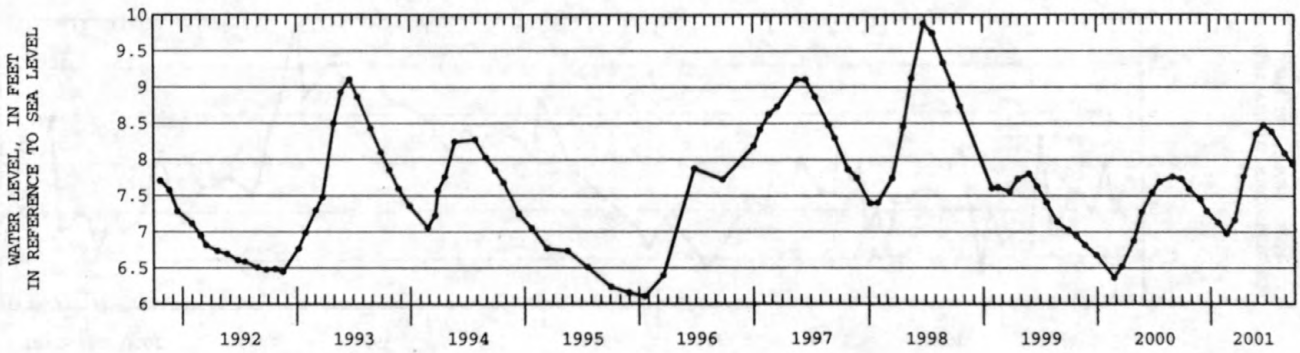


SUFFOLK COUNTY--Continued

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 4-in PVC coupling, 0.66 ft below land-surface datum.
PERIOD OF RECORD.--April 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.88 ft above sea level, June 26, 1998; lowest measured, 6.11 ft above sea level, January 18, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

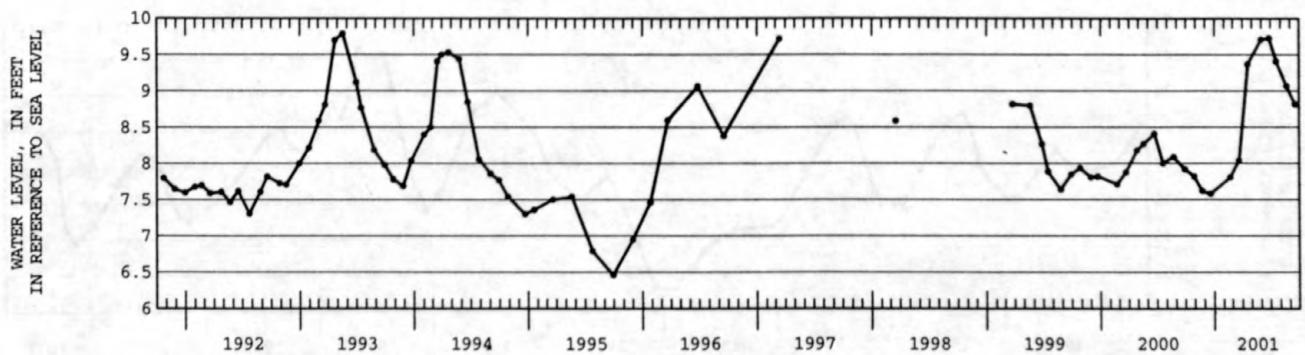
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.60	DEC 20	7.29	FEB 21	6.98	APR 19	7.77	JUN 22	8.48	AUG 30	8.09
NOV 29	7.45	JAN 25	7.13	MAR 20	7.17	MAY 30	8.36	JUL 19	8.39	SEP 24	7.94



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 4-in PVC coupling, 1.16 ft below land-surface datum.
PERIOD OF RECORD.--February 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.02 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	7.82	DEC 19	7.58	MAR 20	8.04	MAY 31	9.71	JUL 18	9.41	SEP 17	8.82
NOV 22	7.62	FEB 20	7.81	APR 18	9.37	JUN 26	9.73	AUG 21	9.07		

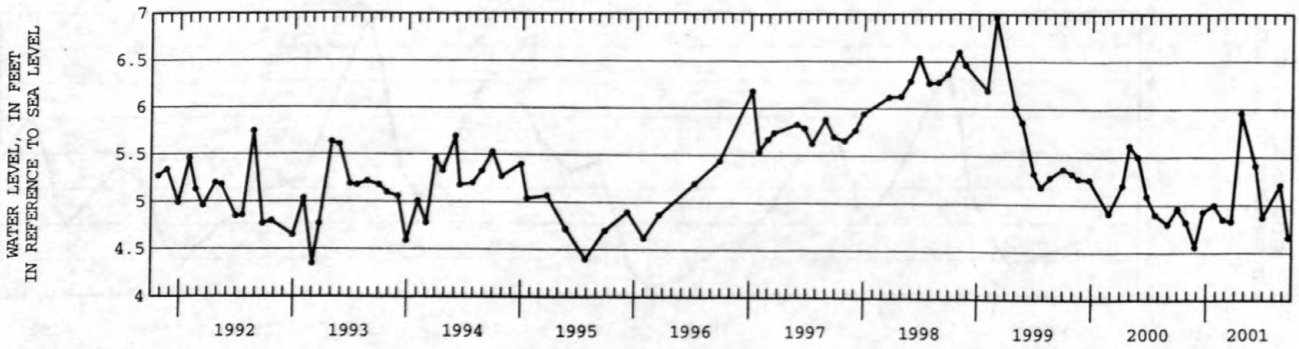


SUFFOLK COUNTY--Continued

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 ¼ 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 1 ¼-in steel 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, 4.00 ft above sea level, December 5, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

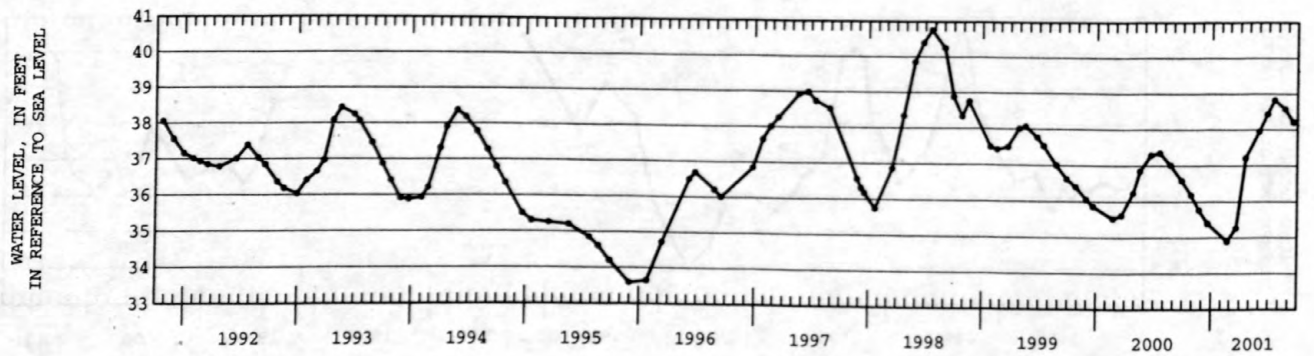
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	4.82	DEC 20	4.93	FEB 21	4.85	APR 19	5.96	JUN 28	4.87	SEP 19	4.66
NOV 24	4.56	JAN 24	5.00	MAR 20	4.83	JUN 04	5.41	AUG 23	5.21		



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 2-in PVC coupling, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.22 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	36.19	DEC 19	35.40	MAR 20	35.27	MAY 31	37.96	JUL 18	38.83	SEP 17	38.22
NOV 22	35.77	FEB 20	34.90	APR 18	37.22	JUN 26	38.44	AUG 21	38.58		

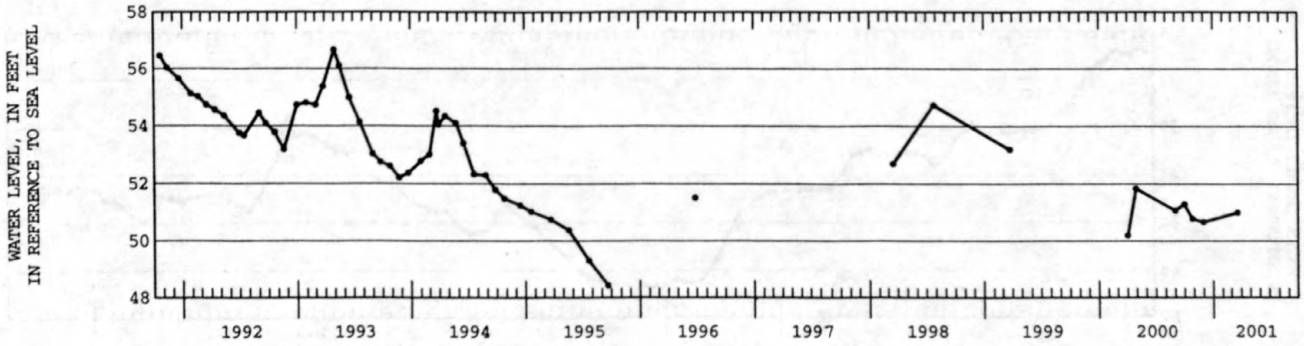


SUFFOLK COUNTY--Continued

404433073244903. Local number, S74586.1
LOCATION.--Lat 40°44'43", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, westernmost well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 441 ft, screened 433 to 438 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in PVC casing, 0.90 ft below land-surface datum.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.33 ft above sea level, June 5, 1984; lowest measured, 48.43 ft above sea level, September 19, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	50.78	NOV 29	50.67	MAR 19	51.00



404433073244904. Local number, S74587.1
LOCATION.--Lat 40°44'43", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, middle well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 196 ft, screened 188 to 193 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.22 ft below land-surface datum.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.94 ft above sea level, June 5, 1984; lowest measured, 49.36 ft above sea level, September 19, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

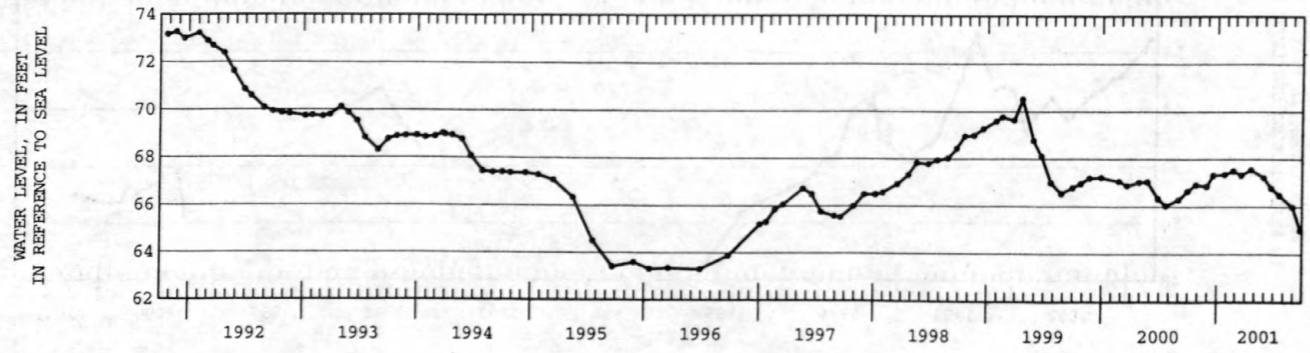
DATE	WATER LEVEL
MAR 19	53.18

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 4-in steel casing, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.05 ft above sea level, March 21, 1991; lowest measured, 63.30 ft above sea level, June 27, 1996.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

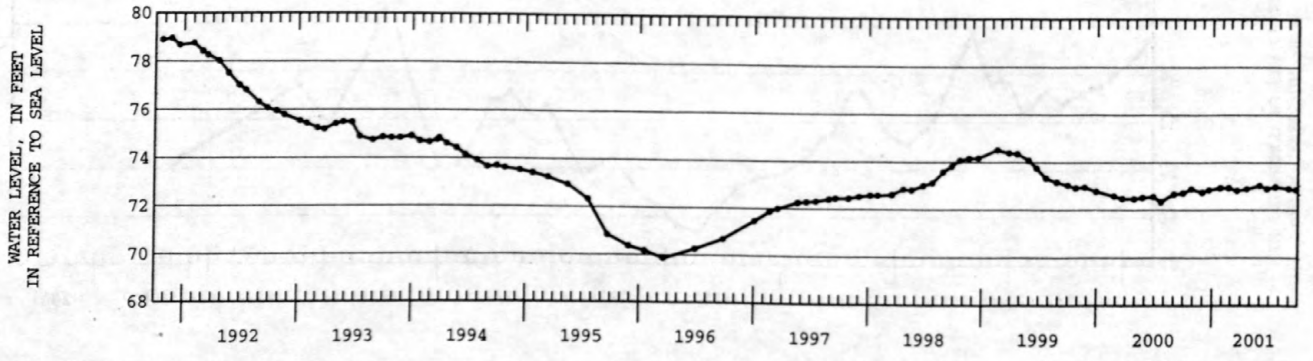
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	66.92	DEC 20	67.33	FEB 21	67.51	APR 19	67.56	JUN 22	66.79	AUG 30	65.98
NOV 29	66.86	JAN 25	67.36	MAR 19	67.33	MAY 30	67.23	JUL 19	66.48	SEP 24	65.01



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 4-in PVC coupling, 0.98 ft below land-surface datum.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.96 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	72.89	DEC 20	72.85	FEB 21	72.94	APR 19	72.89	JUN 22	72.90	AUG 30	72.91
NOV 29	72.75	JAN 25	72.94	MAR 19	72.82	MAY 30	73.04	JUL 19	72.98	SEP 24	72.87

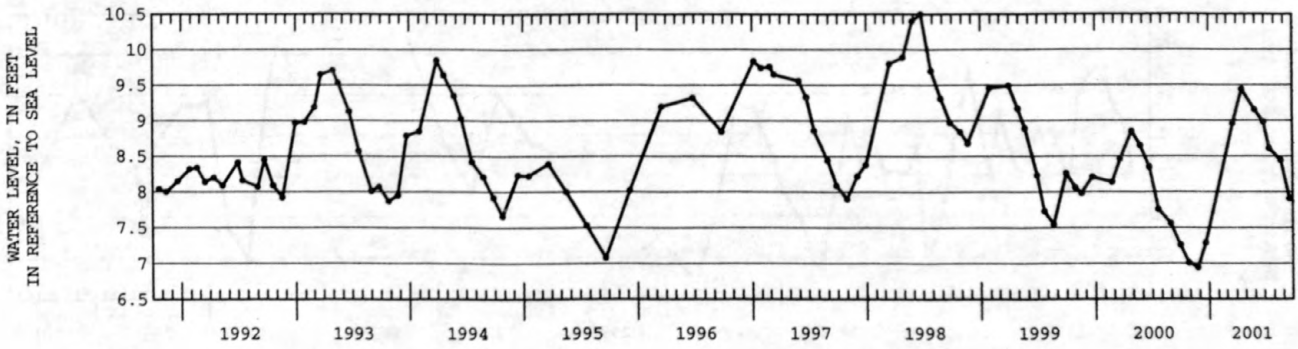


SUFFOLK COUNTY--Continued

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 2-in steel coupling, 0.36 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.50 ft above sea level, June 25, 1998; lowest measured, 6.77 ft above sea level, October 28, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

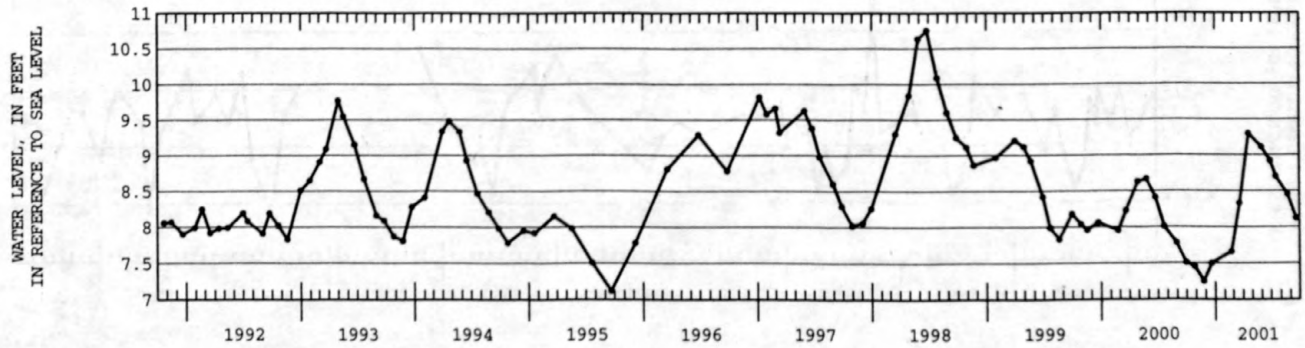
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.01	DEC 20	7.29	APR 19	9.44	JUN 28	8.98	AUG 23	8.44		
NOV 24	6.94	MAR 20	8.96	MAY 31	9.15	JUL 16	8.61	SEP 19	7.91		



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 4-in PVC coupling, 0.41 ft below land-surface datum.
PERIOD OF RECORD.--March 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.76 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.45	DEC 20	7.50	MAR 20	8.33	MAY 31	9.11	JUL 16	8.70	SEP 19	8.12
NOV 24	7.25	FEB 21	7.66	APR 19	9.30	JUN 28	8.92	AUG 23	8.45		

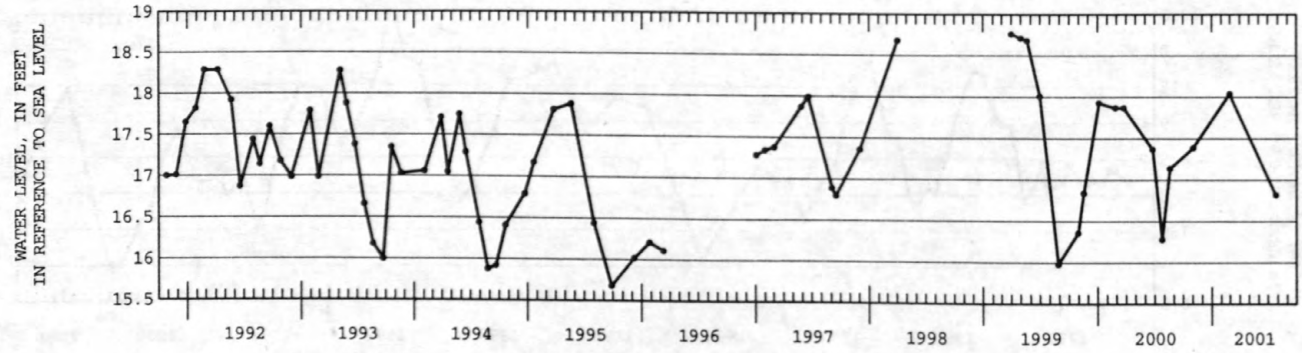


SUFFOLK COUNTY--Continued

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 chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 7.8 ft above sea level. Measuring point: Top of 4-in removable PVC extension, 10.39 ft above land-surface datum.
REMARKS.--Water level affected by tidal fluctuation. Flowing well, measurement taken from top of removable calibrated PVC extension.
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 2000 TO SEPTEMBER 2001

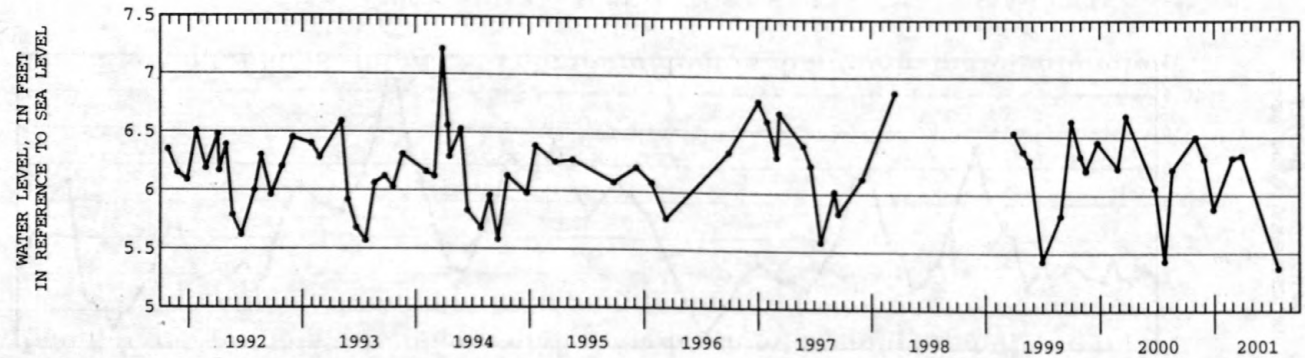
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	17.39	FEB 27	18.04	JUL 25	16.82



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 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 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, 5.28 ft above sea level, July 16, 1986.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	6.50	NOV 28	6.31	DEC 28	5.88	FEB 27	6.32	MAR 29	6.34	JUL 24	5.37

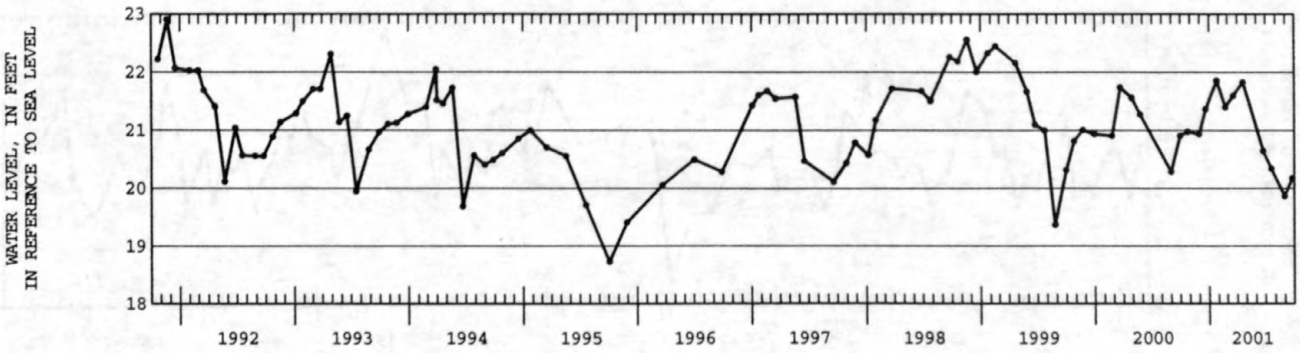


SUFFOLK COUNTY--Continued

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 4-in PVC coupling, 0.96 ft below land-surface datum.
PERIOD OF RECORD.--March 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.03 ft above sea level, February 13, 1991; lowest measured, 18.73 ft above sea level, October 3, 1995.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

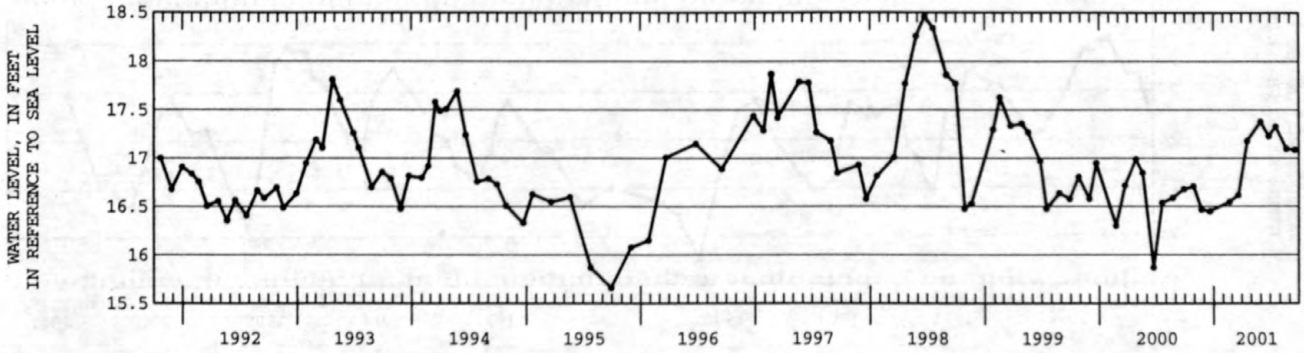
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	20.98	DEC 20	21.37	FEB 21	21.40	APR 19	21.83	JUL 19	20.34	SEP 24	20.18
NOV 29	20.94	JAN 25	21.86	MAR 19	21.60	JUN 22	20.65	AUG 30	19.87		



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 2-in steel coupling, 0.14 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.46 ft above sea level, June 24, 1998; lowest measured, 15.55 ft above sea level, October 23, 1987.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	16.71	DEC 19	16.45	MAR 20	16.62	MAY 31	17.38	JUL 18	17.33	SEP 17	17.09
NOV 22	16.47	FEB 20	16.55	APR 18	17.18	JUN 26	17.23	AUG 21	17.10		

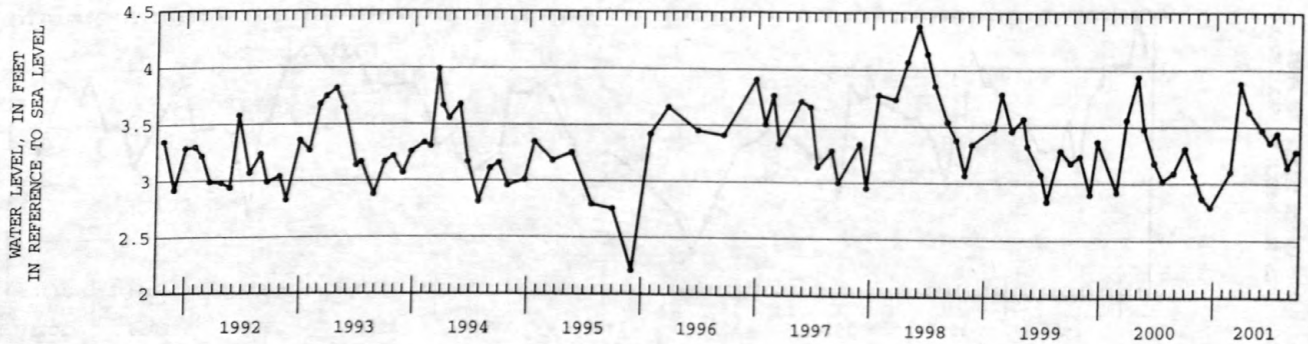


SUFFOLK COUNTY--Continued

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 2-in steel coupling, 0.03 ft below land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.38 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 2000 TO SEPTEMBER 2001

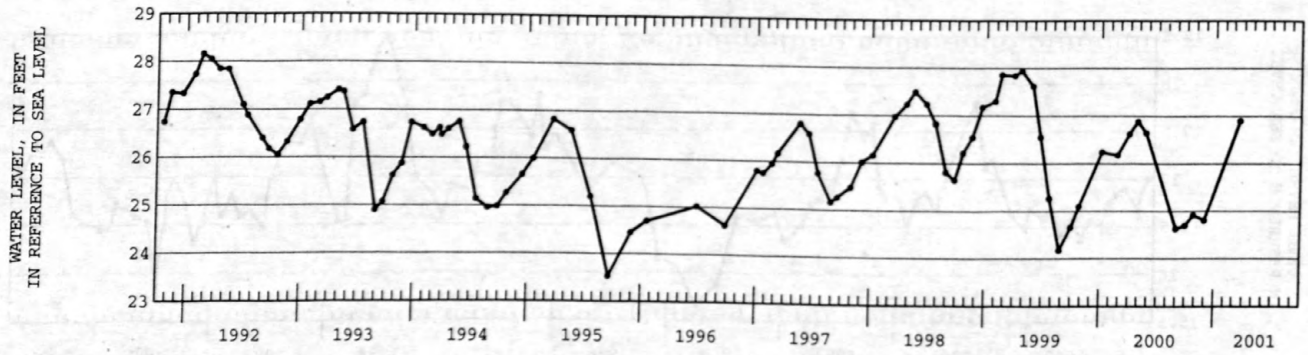
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	3.07	DEC 19	2.79	MAR 20	3.88	MAY 31	3.47	JUL 18	3.44	SEP 17	3.28
NOV 22	2.87	FEB 20	3.10	APR 18	3.63	JUN 26	3.36	AUG 21	3.14		



404433073244906. Local number, S87041.1
LOCATION.--Lat 40°44'33", long 73°24'49", Hydrologic Unit 02030202, at northwest corner of New Highway and Conklin Street, north of Long Island Railroad tracks, northernmost well, Pinelawn. Owner: Suffolk County Department of Health Services.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled PVC observation well, diameter 4 in., depth 983 ft, screened 968 to 978 ft.
INSTRUMENTATION.--Measurement with chalked steel tape by United States Geological Survey personnel.
DATUM.--Land-surface datum is 86.0 ft above sea level. Measuring point: Top of 4-in PVC coupling, 0.28 ft above land-surface datum.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.63 ft above sea level, March 20, 1991; lowest measured, 22.84 ft above sea level, August 22, 1988.

WATER-LEVEL ELEVATION IN FEET (NGVD 1929), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	24.92	NOV 29	24.81	MAR 19	26.90

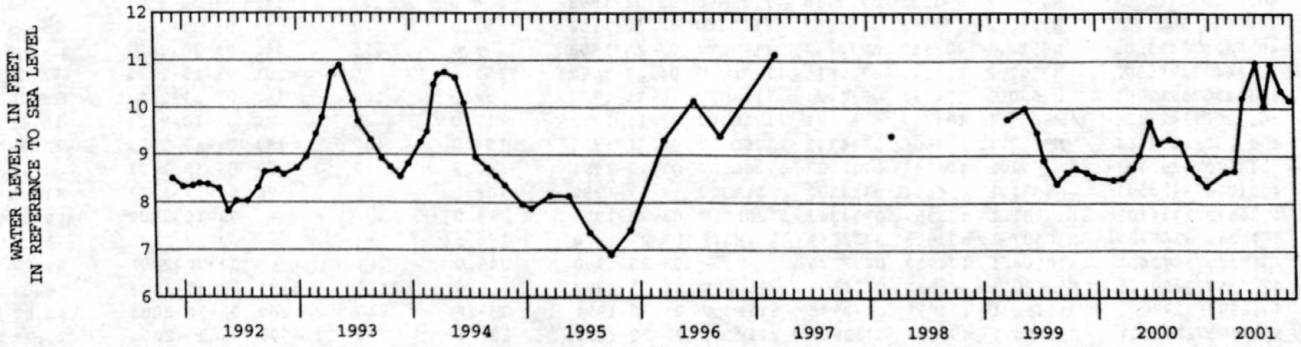


SUFFOLK COUNTY--Continued

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 4-in PVC coupling, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.69 ft 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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	8.74	DEC 19	8.36	MAR 20	8.69	MAY 31	10.98	JUL 18	10.94	SEP 17	10.17
NOV 22	8.54	FEB 20	8.67	APR 18	10.22	JUN 26	10.05	AUG 21	10.37		



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	K19.1	404058	0735840	112JMCO	07-29-1954	46.9	--	--	03-21-2001	8.15
403750073571701	K3132.1	403750	0735717	112JMCO	03-17-1982	31.0	259	300	03-21-2001	5.07
404325073563508	K3260.1	404325	0735635	112GLCLU	04-11-1980	28.7	20	23	10-24-2000	12.89
404043073413108	N7.1	404043	0734131	211LLYD	03-09-1941	20.9	851	911	03-19-2001	8.97
403748073422603	N1115.3	403748	0734226	112GLCLU	03-28-1990	22.0	--	--	03-28-2001	10.89
403637073434502	N1422.2	403637	0734345	112GLCLU	12-28-1964	16.0	--	--	03-30-2001	8.12
404052073414201	N1613.1	404052	0734142	211MGTY	01-29-1968	25.0	--	--	03-19-2001	14.18
404532073420901	N1802.2	404512	0734210	211LLYD	02-26-1946	131.0	641	691	03-22-2001	5.62
403842073420201	N3707.3	403842	0734202	112GLCLU	03-20-1968	8.0	15	17	03-28-2001	2.11
403621073441801	N3862.2	403621	0734418	211MGTY	02-01-1968	8.0	295	306	03-30-2001	3.82
403621073441702	N4062.1	403621	0734418	112JMCO	02-01-1968	8.0	137	142	03-30-2001	3.53
404753073440303	N4266.2	404752	0734403	211LLYD	12-30-1954	57.0	377	393	03-21-2001	15.33
403642073433201	N6510.1	403642	0734332	211MGTY	07-25-1958	8.0	455	461	03-30-2001	8.68
404544073265502	N7397.2	404544	0732655	112GLCLU	04-27-1984	154.0	96	101	03-19-2001	67.46
404345073411901	N7650.1	404344	0734121	211MGTY	12-15-1967	97.0	400	440	03-21-2001	38.08
404730073423101	N8877.1	404730	0734231	112GLCLU	09-13-1972	12.0	71	76	07-10-2001	10.41
404606073434101	N8970.1	404606	0734341	112GLCLU	07-11-1973	154.0	188	193	03-19-2001	28.58
404347073260702	N9662.1	404347	0732607	112GLCLU	03-12-1981	68.8	52	57	03-19-2001	50.12
404404073420201	N9983.1	404404	0734202	211MGTY	12-17-1982	108.0	91	96	03-19-2001	41.00
403959073434301	N10001.1	403959	0734343	112GLCLU	03-20-1990	16.0	--	--	03-19-2001	8.63
404823073265901	N10607.1	404823	0732659	211MGTY	03-27-1990	260.5	--	--	03-20-2001	74.07
404910073271601	N10608.1	404910	0732716	--	03-26-1990	249.0	--	--	03-20-2001	68.77
403511073450901	N10620.1	403511	0734509	211LLYD	11-23-1987	4.0	1140	1150	03-30-2001	8.03
404818073293001	N11453.1	404818	0732930	112PGQF	03-20-1991	207.5	840	860	03-20-2001	42.67
404818073293101	N11454.1	404818	0732931	211MGTY	03-20-1991	207.5	570	590	03-20-2001	74.79
405030073282101	N12075.1	405030	0732821	211LLYD	06-09-1993	198.0	830	850	03-20-2001	36.33
404708073433301	N12154.1	404708	0734333	211LLYD	03-25-1993	--	495	515	03-21-2001	12.90
404310073260201	N12239.1	404310	0732602	112GLCLU	04-01-1994	--	30.6	40.6	03-19-2001	43.30
404135073254101	N12249.1	404135	0732541	112GLCLU	04-07-1994	--	14.8	24.8	03-19-2001	24.58
404707073433302	N12470.1	404707	0734333	--	05-27-1994	--	50	70	03-21-2001	45.13
404550073500802	Q34.2	404553	0735008	211LLYD	02-12-1946	36.0	--	--	03-21-2001	8.39
404257073493701	Q273.1	404257	0734937	211LLYD	06-27-1952	26.0	308	438	03-19-2001	11.59
404541073452602	Q471.1	404541	0734526	211MGTY	03-31-1939	23.7	23	121	07-30-2001	18.48
404141073471702	Q562.2	404140	0734716	211LLYD	02-26-1946	29.0	499	589	04-05-2001	7.26
404224073450301	Q2300.1	404224	0734503	211MGTY	03-22-1983	63.7	240	275	04-05-2001	21.52
404504073501801	Q2418.1	404504	0735018	112GLCLU	05-09-1967	6.4	48	60	03-21-2001	0.55
							--	--	06-14-2001	1.02
404135073440102	Q2443.1	404135	0734402	211MGTY	04-10-1984	55.6	320	360	04-05-2001	17.79
404040073445001	Q2955.1	404040	0734450	211MGTY	01-17-1967	25.0	405	445	04-05-2001	11.82
404202073491704	Q3069.2	404202	0734917	211LLYD	01-25-1977	65.0	510	550	04-05-2001	7.32
405410073281401	S9.1	405418	0732816	211LLYD	04-21-1955	128.1	505	565	05-02-2001	15.23
404221073164904	S1808.4	404221	0731649	112GLCLU	07-13-1984	13.6	10	11	10-17-2000	9.55
							--	--	11-15-2000	9.81
							--	--	12-19-2000	10.21
							--	--	01-16-2001	9.92
							--	--	02-15-2001	10.15
404659073141801	S1815.3	404659	0731418	112GLCLU	03-21-1984	72.5	50	54	03-19-2001	46.65
405109072513001	S2485.1	405109	0725130	112GLCLU	07-28-1948	69.0	65	75	03-21-2001	34.98
404509073152301	S3516.1	404509	0731523	112GLCLU	04-14-1942	60.0	--	--	03-19-2001	37.09
404918072560301	S3530.1	404918	0725603	112GLCLU	03-08-1907	65.6	--	--	03-21-2001	32.11
405121072415601	S3539.1	405121	0724156	112GLCLU	04-14-1942	79.0	--	--	03-23-2001	22.67
405607072393502	S4523.2	405607	0723935	112GLCLU	09-14-1981	17.4	--	--	03-20-2001	10.34
405220072493101	S6441.2	405220	0724931	--	02-22-1991	49.5	--	--	03-20-2001	37.97
405347072494001	S6443.1	405347	0724940	112GLCLU	02-02-1949	55.0	--	--	03-21-2001	42.13
405507072244402	S8831.2	405511	0722445	112GLCLU	07-08-1976	20.0	--	--	03-20-2001	7.60
405307072323503	S8835.2	405307	0723235	112GLCLU	09-18-1981	30.5	--	--	03-20-2001	8.13
404915072531801	S9129.1	404914	0725317	112GLCLU	07-08-1982	34.0	--	--	03-20-2001	14.25
404831072530501	S9130.1	404829	0725305	112GLCLU	06-23-1952	26.0	25	28	03-20-2001	9.80
404446073191801	S9646.1	404446	0731918	112GLCLU	02-25-1958	51.0	--	--	03-19-2001	40.54
404225073234201	S10314.1	404225	0732342	112GLCLU	01-29-1958	48.0	--	--	03-19-2001	31.38
404347073195501	S10370.1	404347	0731955	--	03-11-1958	38.0	--	--	03-19-2001	26.92
404433073212701	S11204.1	404433	0732127	--	01-29-1958	53.0	--	--	03-19-2001	42.77
404540073211001	S11240.1	404540	0732110	112GLCLU	01-29-1958	61.0	--	--	03-19-2001	53.03
404200073252701	S16480.1	404200	0732527	112GLCLU	01-30-1958	39.0	35	45	03-19-2001	29.75
410356072260301	S16780.1	410356	0722603	112GLCLU	09-30-1958	43.0	47	50	03-20-2001	3.82

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)
405446073180701	S16884.1	405446	0731807	112GLCLU	07-16-1958	34.0	40	43	03-20-2001	19.44
405040073175801	S19057.1	405040	0731758	211MGTY	04-15-1970	150.0	604	676	03-21-2001	57.11
404902073094001	S22577.1	404902	0730940	211MGTY	08-18-1964	60.0	724	734	03-20-2001	41.63
404902073094002	S22578.1	404902	0730940	211MGTY	08-18-1964	60.0	392	402	03-20-2001	42.03
404902073094003	S22579.1	404902	0730940	112GLCLU	08-18-1964	60.0	200	210	03-20-2001	42.03
404828073114002	S22580.1	404828	0731140	211MGTY	05-07-1964	123.0	792	802	03-20-2001	39.03
404828073114003	S22581.1	404828	0731140	211MGTY	08-10-1964	123.2	440	450	04-18-2001	40.79
405047073120601	S23631.1	405047	0731207	211MGTY	03-29-1977	40.0	494	595	03-22-2001	28.32
405140073222101	S23998.1	405140	0732221	211MGTY	03-17-1970	220.0	525	597	03-21-2001	60.33
404818073135904	S24773.1	404813	0731356	211MGTY	03-07-1966	118.4	412	422	03-20-2001	45.21
405716072505701	S26780.1	405716	0725057	112GLCLU	02-25-1970	21.7	--	--	03-21-2001	19.29
405124072353701	S30230.1	405124	0723537	211MGTY	03-12-1970	45.0	805	825	03-23-2001	11.38
405411072232901	S31037.1	405411	0722329	211MGTY	03-13-1980	36.0	--	--	04-05-2001	9.07
405838072114201	S31653.1	405837	0721137	211MGTY	03-27-1974	68.0	420	460	04-05-2001	10.47
404046073252101	S32501.1	404047	0732521	211MGTY	03-16-1972	26.0	560	630	03-20-2001	13.63
405336073073601	S33500.1	405340	0730735	211MGTY	03-12-1970	148.0	485	548	03-22-2001	42.03
405715072193701	S33921.1	405715	0721937	112GLCLU	01-22-1973	110.0	159	174	03-21-2001	16.66
405246073142801	S34460.1	405250	0731429	211MGTY	03-12-1970	153.0	531	596	03-29-2001	36.55
405505072432201	S36013.1	405505	0724322	112GLCLU	10-29-1970	47.0	--	--	03-20-2001	21.85
404930073120002	S36142.2	404930	0731200	112GLCLU	07-30-1980	81.0	--	--	03-20-2001	45.00
404656073081401	S36143.1	404656	0730814	112GLCLU	10-29-1969	72.0	59	62	03-20-2001	32.04
405259072465601	S36147.1	405259	0724656	112GLCLU	03-10-1970	47.8	--	--	03-20-2001	36.21
405117072490301	S36150.1	405117	0724903	112GLCLU	06-23-1951	50.0	--	--	03-20-2001	33.35
404236073225001	S37681.1	404232	0732256	211MGTY	03-21-1977	42.0	--	--	03-20-2001	27.48
410400072195301	S38461.1	410400	0721953	112GLCLU	10-13-1970	12.0	--	--	03-20-2001	5.57
404921073122703	S38491.1	404920	0731225	211MGTY	05-11-1984	61.0	320	383	03-20-2001	38.70
405924072321501	S39269.1	405924	0723215	112GLCLU	03-30-1983	13.6	--	--	03-20-2001	4.02
405206073153002	S40842.2	405206	0731530	--	12-09-1975	91.6	60	63	03-19-2001	47.38
405510073063401	S40849.1	405510	0730634	112GLCLU	09-29-1971	80.5	--	--	03-19-2001	40.67
405646072564301	S40852.1	405656	0725643	112GLCLU	07-07-1971	114.6	95	97	03-20-2001	30.63
405610072562501	S40853.2	405610	0725625	112GLCLU	10-04-1985	100.2	74	78	03-20-2001	37.65
405223073021301	S41050.1	405222	0730213	112GLCLU	02-14-1972	89.4	67	69	03-20-2001	67.94
405357073194802	S42681.2	405354	0731948	112GLCLU	06-22-1983	83.5	75	80	03-20-2001	31.88
405016073200101	S42682.1	405016	0732001	112GLCLU	11-13-1972	159.2	--	--	03-19-2001	71.19
405335073073201	S42683.1	405335	0730732	112GLCLU	08-23-1972	145.7	--	--	03-19-2001	56.17
404305073161401	S42762.1	404305	0731615	211MGTY	03-14-1978	26.0	650	710	03-20-2001	18.84
404820073073402	S43641.1	404820	0730734	211MGTY	04-19-1984	99.9	--	--	03-20-2001	41.30
404124073241601	S43809.1	404124	0732416	112GLCLU	02-01-1974	34.0	24	34	03-19-2001	20.59
405132073181401	S45207.1	405132	0731814	112GLCLU	01-31-1974	165.0	134	144	03-20-2001	63.05
405005073233701	S45208.1	405005	0732337	112GLCLU	01-31-1974	185.3	123	133	03-19-2001	76.21
404945073174501	S45210.1	404945	0731745	112GLCLU	01-31-1974	130.2	97	107	03-19-2001	63.40
404508073080902	S45636.1	404508	0730809	112GLCLU	06-24-1974	14.1	17	27	03-21-2001	9.17
404804073204401	S45638.1	404804	0732044	211MGTY	03-19-1976	163.6	658	720	03-21-2001	64.11
405231073250500	S46281.1	405231	0732505	112GLCLU	01-31-1974	34.0	38	50	03-20-2001	20.47
404823073211800	S46283.1	404823	0732118	112GLCLU	01-31-1974	275.0	225	235	03-19-2001	69.52
405746072175901	S46527.1	405747	0721800	112GLCLU	11-21-1972	75.0	--	--	03-20-2001	19.53
405842072211401	S46528.1	405843	0722115	112GLCLU	11-22-1972	125.5	99	102	03-20-2001	37.18
405147072305001	S46532.1	405147	0723050	112GLCLU	12-01-1972	24.0	--	--	03-23-2001	4.41
405230072341901	S46534.1	405230	0723419	112GLCLU	01-09-1973	82.0	81	84	03-20-2001	10.30
405130072353101	S46537.1	405130	0723531	112GLCLU	12-08-1972	56.2	--	--	03-23-2001	11.72
405348072370401	S46538.1	405340	0723709	112GLCLU	12-01-1972	61.3	--	--	03-20-2001	24.85
405131072455701	S46546.1	405131	0724557	112GLCLU	12-11-1972	127.0	--	--	03-20-2001	28.04
404804072484101	S46713.1	404804	0724841	211MGTY	03-24-1977	20.0	385	440	03-29-2001	12.68
405230073164400	S46965.1	405230	0731644	112GLCLU	01-31-1974	166.0	138	148	03-20-2001	45.26
404952073470501	S46966.1	404952	0724705	112GLCLU	01-02-1974	89.0	72	82	03-20-2001	22.86
405407073001101	S47310.1	405407	0730011	211MGTY	03-30-1977	135.0	623	693	04-05-2001	50.83
404804073051300	S47453.1	404804	0730513	211MGTY	03-15-1978	100.0	380	440	03-22-2001	42.95
404829072463101	S47489.1	404829	0724631	112GLCLU	03-20-1973	--	25	31	03-21-2001	11.51
405004072515400	S47750.1	405004	0725154	112GLCLU	03-01-1974	95.0	83	93	03-20-2001	27.35
404607072594701	S47752.1	404607	0725947	112GLCLU	01-02-1974	24.0	88	98	03-21-2001	8.36
405412072441401	S47753.1	405405	0724427	112GLCLU	01-07-1974	45.0	90	100	03-20-2001	25.20
405412072441402	S47754.1	405405	0724427	112GLCLU	01-07-1974	45.0	29	39	03-20-2001	25.16
404941072414801	S48442.1	404941	0724148	112GLCLU	01-02-1974	44.0	42	52	03-20-2001	12.64
410243071560101	S48519.1	410242	0715605	112GLCLU	01-08-1974	63.5	68	78	03-19-2001	3.15
405335072562903	S49606.1	405337	0725629	211MGTY	03-29-1983	75.0	307	367	04-05-2001	49.37
405120073085101	S50500.1	405120	0730851	112GLCLU	04-08-1974	118.0	81	85	03-19-2001	70.58
405059073085601	S50501.1	405059	0730757	112GLCLU	04-08-1974	73.6	60	64	03-20-2001	71.78
405010073103101	S50505.1	405010	0731031	112GLCLU	12-17-1973	50.0	6	10	03-19-2001	46.73
405146073141001	S50512.1	405146	0731410	112GLCLU	12-17-1973	84.5	--	--	03-19-2001	38.43

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)
405100073152601	S50513.1	405100	0731526	112GLCLU	04-15-1974	93.0	57	61	03-19-2001	46.84
404432073151303	S50546.1	404432	0731513	211MGTY	03-14-1978	39.0	604	665	03-22-2001	27.18
410430072202301	S51176.1	410430	0722023	112GLCLU	06-05-1974	39.6	47	57	03-20-2001	3.69
410047072184701	S51186.1	410047	0721847	112GLCLU	05-20-1974	24.1	30	40	03-20-2001	3.05
404353073215801	S51298.1	404353	0732158	211MGTY	04-29-1984	54.3	--	--	03-29-2001	36.67
405808072385401	S51568.1	405808	0723854	112GLCLU	09-20-1974	56.0	58	68	03-20-2001	9.28
405805072403701	S51571.1	405805	0724037	112GLCLU	08-06-1974	88.0	95	105	03-20-2001	8.32
405630072442001	S51577.1	405630	0724420	112GLCLU	08-05-1974	80.0	83	93	03-20-2001	18.38
405542072463001	S51579.1	405542	0724630	112GLCLU	07-17-1974	78.0	75	85	03-21-2001	28.07
405722072342001	S51581.1	405722	0723420	112GLCLU	08-13-1974	32.0	32	42	03-20-2001	7.88
405642072491901	S51586.1	405642	0724919	112GLCLU	09-30-1974	97.7	88	98	03-21-2001	24.32
410516072200901	S52084.1	410516	0722009	112GLCLU	07-16-1974	28.4	62	72	03-20-2001	2.80
404357072515701	S52162.1	404357	0725157	211LLYD	09-10-1976	18.0	1670	1690	07-24-2001	21.64
405512072395202	S52449.1	405512	0723952	112GLCLU	08-06-1974	23.0	28	38	03-20-2001	8.02
405354073021202	S52490.1	405355	0730212	211MGTY	03-22-1978	137.0	480	554	03-29-2001	50.79
404944072380901	S52551.1	404944	0723809	112GLCLU	09-09-1974	27.8	20	25	03-23-2001	9.53
405924072342301	S53333.1	405924	0723423	112GLCLU	03-04-1975	51.0	62	72	03-20-2001	5.61
405032073162802	S53360.1	405034	0731618	211MGTY	05-15-1984	141.0	551	667	03-22-2001	47.84
404950073085002	S53498.1	404948	0730847	211MGTY	03-30-1977	90.0	663	718	03-20-2001	45.05
405123072533701	S54883.1	405049	0725310	112GLCLU	10-16-1975	79.9	--	--	03-20-2001	33.37
405706072345601	S54885.1	405706	0723456	112GLCLU	10-29-1975	11.1	16	20	03-20-2001	8.84
405242072381801	S54886.1	405241	0723818	112GLCLU	10-16-1975	59.4	51	55	03-20-2001	16.44
405120073231801	S55049.1	405120	0732318	112GLCLU	06-19-1975	207.0	175	179	03-20-2001	56.51
404500073062101	S56030.1	404500	0730621	112GLCLU	05-03-1994	--	26	31	03-21-2001	18.72
405326072275601	S57366.1	405326	0722756	112GLCLU	11-26-1975	55.4	60	64	03-20-2001	3.61
405900072192901	S57369.1	405855	0721926	112GLCLU	11-26-1975	76.0	93	97	03-20-2001	13.11
404722073093401	S57458.1	404722	0730934	--	01-15-1976	47.4	--	--	03-21-2001	32.44
404651073095701	S57470.1	404651	0730957	--	01-15-1976	28.0	--	--	03-21-2001	24.75
405123073125101	S57484.1	405123	0731251	112GLCLU	11-17-1975	15.5	15	19	04-18-2001	11.25
405048073122801	S57488.1	405048	0731228	112GLCLU	12-05-1975	30.0	--	--	03-19-2001	28.19
405514073050103	S57980.1	405514	0730501	211MGTY	03-30-1977	187.0	630	700	03-22-2001	39.49
410040072002501	S58921.1	410040	0720024	112GLCLU	10-05-1976	48.0	67	72	03-19-2001	2.84
410356071544201	S58922.1	410355	0715444	112GLCLU	10-05-1976	47.8	51	56	03-19-2001	2.17
410404071565901	S58923.1	410401	0715701	112GLCLU	10-05-1976	57.3	65	70	03-19-2001	8.37
405950072124501	S58925.1	405952	0721245	112GLCLU	10-05-1976	72.0	85	90	03-19-2001	8.87
405737072215801	S58958.1	405738	0722159	112GLCLU	09-20-1976	190.0	203	208	03-20-2001	25.89
405816072162801	S58959.1	405808	0722035	112GLCLU	11-03-1976	187.5	195	200	03-20-2001	15.52
405827072190501	S58960.1	405827	0721905	112GLCLU	10-05-1976	134.2	150	155	03-20-2001	21.01
405615072182301	S59793.1	405616	0721823	211MGTY	03-21-1984	34.0	512	522	03-20-2001	10.63
405642072240001	S59992.1	405642	0722400	211MGTY	11-09-1977	24.2	268	278	03-20-2001	5.21
404524073044801	S60812.1	404524	0730448	211MGTY	04-20-1984	38.0	404	484	03-22-2001	15.94
405616072182301	S62393.1	405616	0721823	112GLCLU	03-21-1984	34.0	30	34	03-20-2001	13.48
405604073080001	S62407.1	405604	0730800	112GLCLU	10-25-1977	40.0	41	45	03-19-2001	13.44
404415073114001	S63618.1	404416	0731137	211MGTY	04-24-1984	20.0	490	550	03-22-2001	20.44
404520073102001	S63814.1	404520	0731020	--	03-23-1978	38.0	--	--	03-19-2001	18.74
404356073105501	S63830.1	404356	0731055	--	04-20-1978	17.7	--	--	03-19-2001	13.50
404345073124001	S63835.1	404345	0731240	--	04-21-1978	13.5	--	--	03-19-2001	8.78
405652072590003	S64023.1	405643	0725859	211MGTY	04-21-1984	160.0	709	791	03-29-2001	27.01
404210073182501	S64192.1	404210	0731825	--	05-04-1978	17.6	--	--	03-19-2001	10.06
404659073202001	S64313.1	404659	0732020	112GLCLU	03-21-1979	89.4	25	30	03-19-2001	73.50
404746073221901	S64316.1	404746	0732219	112GLCLU	03-22-1979	160.1	58	63	03-19-2001	109.33
404900073242801	S64317.1	404900	0732428	112GLCLU	06-15-1978	149.6	78	83	03-19-2001	74.74
404813073084102	S65601.1	404813	0730841	112GLCLU	09-07-1978	62.6	38	41	03-20-2001	39.56
405030073180601	S65602.1	405030	0731806	112GLCLU	09-29-1978	146.0	91	96	03-19-2001	71.92
404713072575701	S65603.1	404718	0725749	112GLCLU	10-06-1978	54.0	65	70	03-20-2001	24.94
405003073155201	S65607.1	405003	0731552	112GLCLU	09-12-1978	138.0	97	102	03-20-2001	50.68
405200073082101	S65608.1	405200	0730821	--	09-14-1978	105.0	67	72	03-19-2001	65.42
405351072535101	S65855.1	405351	0725351	112GLCLU	10-05-1978	77.6	28	32	03-20-2001	49.80
405245072573702	S66506.1	405245	0725737	112GLCLU	01-30-1979	83.0	55	60	03-20-2001	51.22
405345072591101	S66507.1	405345	0725911	112GLCLU	01-30-1979	100.0	68	72	03-20-2001	52.42
405002073043501	S66509.1	405002	0730435	112GLCLU	01-30-1979	139.7	109	114	03-20-2001	53.03
405644073051201	S66511.1	405644	0730512	112GLCLU	01-30-1979	105.0	--	--	03-19-2001	12.81
405504073011201	S66512.1	405504	0730112	112GLCLU	01-30-1979	120.6	99	104	03-20-2001	50.28
404949073215101	S66847.1	404949	0732151	112GLCLU	12-13-1978	170.8	97	102	03-19-2001	76.99
404652073120301	S67197.1	404652	0731203	211MGTY	04-24-1984	65.0	--	--	03-20-2001	33.42
405255073044301	S67564.1	405255	0730443	112GLCLU	03-27-1980	103.0	80	85	03-19-2001	57.77
405551072561601	S69364.1	404551	0725616	211MGTY	03-23-1983	32.8	--	--	03-29-2001	19.14
410343071533101	S70262.1	410343	0715331	112GLCLU	06-01-1981	50.5	158	163	03-19-2001	3.38
410213071572202	S70263.1	410213	0715722	112GLCLU	05-05-1981	27.8	40	45	03-19-2001	3.68

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)
405155073045203	S70488.1	405158	0730448	211MGTY	04-21-1984	95.6	344	437	03-22-2001	55.74
410320071570601	S70617.1	410320	0715706	112GLCLU	03-09-1982	72.7	93	97	03-19-2001	6.99
410330071563901	S70618.1	410330	0715639	112GLCLU	05-05-1981	85.6	100	105	03-19-2001	3.33
410414071515901	S70627.1	410414	0715159	112GLCLU	12-08-1981	90.1	90	95	03-19-2001	13.84
404807072590801	S71785.1	404807	0725908	211MGTY	04-14-1984	71.9	--	--	04-05-2001	34.47
405858072213602	S73999.1	405858	0722135	211MGTY	04-17-1984	99.7	584	594	07-16-2001	9.66
404750073225302	S74284.2	404750	0732253	211MGTY	03-27-1984	154.0	699	704	03-19-2001	71.10
404750073225303	S74285.1	404750	0732253	211MGTY	03-27-1984	154.3	440	445	03-19-2001	70.37
404750073225304	S74286.1	404750	0732253	211MGTY	03-27-1984	154.6	107	112	03-19-2001	71.76
405418072511201	S74289.1	405417	0725116	112GLCLU	05-10-1983	76.8	40	44	03-21-2001	46.35
405421072474501	S74291.1	405421	0724745	112GLCLU	05-10-1983	44.4	15	19	03-21-2001	39.69
405115072370501	S74300.1	405127	0723643	112GLCLU	05-10-1983	75.0	68	72	03-20-2001	13.89
405434072421401	S74302.1	405422	0724233	112GLCLU	05-11-1983	36.5	40	44	03-20-2001	19.58
405419072381201	S74304.1	405417	0723810	112GLCLU	05-11-1983	25.3	25	29	03-20-2001	9.51
404849073261201	S74585.1	404849	0732612	211MGTY	04-02-1984	365.0	452	455	03-19-2001	68.00
404859073194003	S75455.1	404859	0731940	211MGTY	03-27-1984	230.2	500	505	03-19-2001	67.62
404530073181102	S76016.2	404530	0731811	211MGTY	06-19-1984	63.5	752	757	03-19-2001	41.82
404530073181103	S76017.1	404530	0731811	211MGTY	06-19-1984	63.2	495	500	03-19-2001	41.60
404530073181104	S76018.1	404530	0731811	211MGTY	06-19-1984	63.0	186	191	03-19-2001	42.28
404530073181105	S76019.1	404530	0731811	112GLCLU	09-11-1984	63.0	57	62	03-19-2001	51.97
404852073024202	S76478.1	404852	0730242	112GLCLU	04-06-1984	104.8	70	75	03-20-2001	46.78
404942073175502	S76673.2	404942	0731755	211MGTY	08-15-1984	130.0	625	630	03-19-2001	61.85
404942073175503	S76674.1	404942	0731755	211MGTY	08-15-1984	130.0	455	460	03-19-2001	62.11
404942073175504	S76675.1	404942	0731755	211MGTY	08-15-1984	130.0	245	250	03-19-2001	63.02
405004072515402	S78323.1	405004	0725154	211MGTY	03-05-1985	95.0	331	336	03-20-2001	26.87
404846072533204	S84806.1	404846	0725332	211MGTY	03-23-1987	17.6	839	849	03-21-2001	22.76
404846072533201	S84807.1	404846	0725332	211MGTY	03-23-1987	17.7	545	556	03-21-2001	20.54
404846072533203	S84808.1	404846	0725332	211MGTY	03-23-1987	17.5	101	106	03-21-2001	11.23
404846072533202	S85712.1	404846	0725332	112GLCLU	03-23-1987	17.5	21	22	03-21-2001	11.11
405405072442701	S89534.1	405405	0724427	211MGTY	03-22-1994	44.0	782	792	03-20-2001	24.00
405405072442702	S89535.1	405405	0724427	211MGTY	03-14-1990	44.0	510	520	03-20-2001	25.06
405405072442703	S89536.1	405405	0724427	211MGTY	03-14-1990	44.0	260	270	03-20-2001	25.24
405038072431104	S94489.1	405038	0724311	211MGTY	03-22-1990	46.0	824	834	03-21-2001	14.98
404759073251701	S95963.1	404759	0732517	112GLCLU	03-21-1994	170.0	180	190	03-19-2001	73.58
404759073251702	S95964.1	404759	0732517	211MGTY	03-21-1994	170.5	396	406	03-19-2001	73.16
405914072190803	S105710.1	405914	0721908	211MGTY	01-23-1995	44.1	437	447	03-20-2001	9.76
405844072191702	S105711.1	405844	0721917	211MGTY	01-23-1995	114.5	372	382	03-20-2001	11.02
405914072190802	S106182.1	405914	0721908	112GLCLU	09-26-1994	43.8	45	55	03-20-2001	15.98
405844072191701	S106185.1	405844	0721917	112GLCLU	09-20-1994	114.2	115	125	03-20-2001	64.62
405741072161801	S106189.1	405741	0721618	112GLCLU	09-15-1994	70.3	77	87	03-19-2001	12.42

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 2000 TO SEPTEMBER 2001

NASSAU COUNTY

The following wells were sampled for water quality during the 2001 water year by the agency listed below. For further information, contact:

Nassau County Department of Health
New Office Building
240 Old Country Road
Mineola, NY 11501

Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier
N14	N2400	N4245	N5318	N6867	N7781	N8526	N9878
N17	N2414	N4265	N5320	N6893	N7785	N8557	N9910
N36	N2578	N4298	N5322	N6915	N7796	N8558	N9976
N68	N2597	N4327	N5528	N6916	N7797	N8576	N10033
N69	N2602	N4388	N5596	N6945	N7831	N8595	N10034
N72	N2613	N4389	N5603	N6953	N7852	N8603	N10103
N79	N2748	N4393	N5653	N6956	N7855	N8657	N10144
N80	N2920	N4400	N5654	N7058	N7857	N8658	N10149
N81	N3185	N4405	N5656	N7076	N7873	N8664	N10195
N82	N3443	N4411	N5672	N7104	N8004	N8665	N10206
N83	N3456	N4425	N5695	N7117	N8007	N8713	N10207
N95	N3465	N4448	N5696	N7157	N8010	N8767	N10208
N97	N3474	N4450	N5703	N7298	N8011	N8768	N10286
N101	N3475	N4512	N5710	N7353	N8031	N8776	N10401
N104	N3498	N4602	N5762	N7377	N8043	N8778	N10408
N118	N3520	N4623	N5767	N7407	N8054	N8779	N10451
N119	N3523	N4756	N5792	N7414	N8183	N8818	N10555
N129	N3603	N4757	N5852	N7421	N8195	N8837	N10612
N133	N3604	N4758	N5876	N7445	N8196	N8941	N10863
N134	N3605	N4759	N5947	N7482	N8214	N8956	N10889
N152	N3668	N4860	N6042	N7512	N8216	N8957	N11004
N198	N3720	N5007	N6077	N7513	N8217	N8976	N11037
N570	N3732	N5099	N6087	N7515	N8218	N8979	N11107
N585	N3733	N5121	N6092	N7516	N8233	N9151	N11295
N687	N3745	N5129	N6093	N7521	N8248	N9173	N11509
N1298	N3876	N5145	N6146	N7522	N8250	N9180	N11647
N1328	N3878	N5147	N6148	N7523	N8251	N9210	N11909
N1346	N3881	N5148	N6149	N7526	N8253	N9211	N12217
N1601	N3895	N5152	N6150	N7548	N8264	N9212	N12218
N1602	N3905	N5153	N6190	N7549	N8279	N9308	N12535
N1603	N3934	N5155	N6192	N7561	N8321	N9334	N12560
N1651	N3935	N5156	N6315	N7562	N8339	N9338	N12639
N1697	N3937	N5163	N6442	N7593	N8342	N9452	N12670
N1715	N4043	N5187	N6443	N7620	N8354	N9463	N12727
N1716	N4077	N5193	N6450	N7649	N8355	N9488	N12734
N1802	N4082	N5195	N6580	N7650	N8414	N9514	N12735
N1870	N4095	N5201	N6644	N7651	N8420	N9521	N12795
N1958	N4096	N5209	N6651	N7665	N8426	N9591	N12796
N2028	N4097	N5260	N6657	N7720	N8457	N9613	N12802
N2030	N4118	N5302	N6744	N7747	N8474	N9768	
N2052	N4132	N5303	N6745	N7772	N8475	N9792	
N2214	N4206	N5304	N6817	N7773	N8480	N9809	
N2239	N4243	N5308	N6866	N7776	N8497	N9846	

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NASSAU COUNTY (Continued)

The following wells were sampled for water quality during the 2001 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	N6851	N9383	N9922	N11165	N11964	N12511	N12747
N180	N6928	N9470	N9925	N11310	N11987	N12522	N12755
N1120	N7161	N9471	N9928	N11573	N12076	N12570	N12768
N1152	N8414	N9472	N9944	N11672	N12113	N12571	N12769
N1176	N8857	N9474	N9999	N11673	N12114	N12572	N12774
N2635	N8863	N9478	N10001	N11675	N12153	N12573	N12775
N3498	N8873	N9607	N10004	N11676	N12218	N12579	N12790
N3864	N8888	N9658	N10011	N11725	N12239	N12611	N12791
N3865	N8944	N9665	N10035	N11726	N12252	N12614	N12793
N3867	N9118	N9666	N10085	N11732	N12255	N12618	N12853
N3932	N9127	N9668	N10200	N11777	N12256	N12635	N12855
N4213	N9152	N9669	N10290	N11778	N12257	N12636	N12870
N4547	N9154	N9670	N10425	N11779	N12260	N12646	N12871
N5129	N9189	N9803	N10430	N11785	N12318	N12665	N12880
N6657	N9314	N9805	N10620	N11795	N12343	N12667	N12894
N6701	N9316	N9900	N10667	N11830	N12506	N12697	N12929
N6704	N9317	N9914	N10978	N11961	N12507	N12711	N12946
N6849	N9359	N9919	N11002	N11962	N12508	N12733	Q1187
N6850	N9373						

SUFFOLK COUNTY

The following wells were sampled for water quality during the 2001 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	S19465	S24846	S33500	S40498	S50546	S57961	S70155	S96673	S110782
S75	S19554	S24850	S33775	S40630	S50630	S57979	S70459	S97501	S111004
S703	S19584	S24851	S33820	S40709	S51214	S57980	S70488	S97502	S111165
S871	S20057	S25449	S33922	S40710	S51266	S58708	S70767	S98350	S111457
S872	S20300	S25617	S33970	S40711	S51274	S58761	S71038	S98523	S111969
S1313	S20305	S25776	S34007	S40837	S51275	S59347	S71083	S98721	S112236
S1340	S20318	S26681	S34030	S40838	S51298	S59744	S71533	S99014	S112290
S1341	S20369	S27070	S34031	S40980	S51457	S60127	S71715	S99130	S112293
S1666	S20460	S27192	S34300	S40982	S51519	S60486	S71785	S99271	S112780
S2405	S20479	S27259	S34301	S42226	S51609	S60812	S71881	S99928	S113006
S2415	S20530	S27440	S34460	S42227	S51673	S61910	S71882	S99960	S113016
S2978	S20566	S27533	S34894	S42270	S51953	S61937	S71892	S100069	S113156
S3813	S20603	S27784	S35033	S42473	S52126	S62022	S72245	S100204	S113157
S6513	S20635	S28408	S35446	S42499	S52451	S62855	S72271	S100453	S113387
S7570	S20689	S28503	S35494	S42504	S52490	S63205	S72300	S100608	S113451
S8439	S20839	S28767	S35939	S42505	S52943	S63256	S72326	S100691	S113525
S11105	S20955	S28819	S36166	S42760	S52944	S63618	S72917	S101321	S113641
S11810	S21121	S28928	S36459	S42761	S52945	S63966	S73063	S101364	S113643
S12130	S21244	S29411	S36460	S42762	S53074	S64023	S73144	S101579	S113672
S14326	S21247	S29491	S36714	S42827	S53291	S64062	S73332	S101655	S113812
S14710	S21366	S29492	S36748	S43088	S53360	S64609	S73492	S101755	S114163
S14792	S21375	S29732	S36791	S43117	S53361	S64716	S74505	S102248	S114649
S14921	S21487	S30088	S36791B	S43641	S53497	S64847	S74573	S102721	S115103
S15501	S21632	S30117	S36869	S44640	S53522	S65505	S74865	S103447	S115269
S15514	S22048	S30118	S36965	S44774	S53593	S65766	S76672	S103519	S115361
S15746	S22362	S30207	S37140	S44774B	S53697	S66183	S77010	S103522	S115444
S15795	S22389	S30208	S37141	S45610	S53747	S66184	S78310	S103523	S115545
S15898	S22547	S30227	S37301	S45839	S53850	S66366	S78612	S105003	S115563
S15923	S22548	S30228	S37494	S45840	S53851	S66429	S79293	S105300	S115663
S16124	S22640	S30234	S37681	S46235	S54167	S66496	S81189	S105301	S115702
S16129	S22711	S30506	S37847	S46400	S54305	S66657	S81473	S105524	S115703
S16175	S22880	S30762	S37861	S46712	S54308	S66733	S82174	S105669	S115706
S16309	S23183	S31038	S37963	S46713	S54377	S66758	S83096	S106416	S115776
S16395	S23184	S31039	S38192	S46830	S54473	S66825	S83475	S106565	S115945
S16497	S23185	S31104	S38194	S46928	S54568	S66881	S83707	S106977	S115975
S16892	S23186	S31471	S38320	S47024	S54730	S67074	S84848	S106978	S115899
S17037	S23255	S31624	S38321	S47035	S54957	S67197	S85660	S107792	S116835
S17474	S23351	S31913	S38701	S47219	S55028	S67656	S88463	S107894	S117209
S17689	S23371	S32180	S38784	S47310	S55463	S67819	S89754	S108161	S117500
S17835	S23445	S32287	S38785	S47435	S55502	S67925	S89756	S108235	S117502
S18003	S23524	S32325	S38916	S47453	S55733	S68161	S90674	S108335	S117503
S18261	S23715	S32326	S38917	S47673	S55734	S68230	S93519	S108347	S117531
S18621	S23827	S32359	S39024	S47886	S56038	S68552	S93701	S108911	S117629
S18729	S23828	S32412	S39347	S47887	S56039	S68666	S93702	S109073	S117642
S18846	S24047	S32501	S39535	S48193	S56133	S68690	S93794	S109146	S117643
S19048	S24323	S32551	S39536	S48719	S56674	S68880	S94138	S109249	S117679
S19198	S24484	S32552	S40161	S49018	S57008	S69024	S94274	S109640	S117861
S19317	S24545	S33005	S40330	S49422	S57354	S69364	S94286	S109647	S118355
S19399	S24552	S33006	S40331	S49606	S57357	S69511	S96232	S109750	S118364
S19408	S24663	S33308	S40497	S50222	S57871	S70008	S96352	S110018	

B borehole

SUFFOLK COUNTY (Continued)

The following wells were sampled for water quality during the 2001 water year by the agency listed below. For further information, contact:

Suffolk County Department of Health Services
Office of Water Resources
220 Rabro Drive East
Hauppauge, NY 11788

Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier	Local identifier
S46283	S48427	S49898	S58960	S114487	S116290	S116292
S47230	S48434	S58924	S58961	S115059	S116291	S116293
S48422	S48441	S58957	S68042			

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 groundwater 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 2001 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)	0.004
46342	Alachlor (Lasso, Bullet)	0.002
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)	0.021
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)	0.007
82667	Methyl-Parathion (Penncap-M)	0.050
82669	Pebulate (Tillam, PEBL)	0.002
82683	Pendimethalin (Prowl, Stomp, Pre-M)	0.010
82687	*cis*-Permethrin (Ambush, Astro)	0.006
82664	Phorate (Thimet, Granutox)	0.011
04037	Prometon (Pramitol, Princep)	0.015
82676	Pronamide (Kerb) (Propyzamid)	0.004
04024	Propachlor (Ramrod, Satecid)	0.010
82679	Propanil (Stampede, Stam)	0.011
82685	Propargite (Omite, Alkyl sulfite)	0.023
04035	Simazine (Princep, Caliber 91)	0.011
82670	Tebuthiuron (Spike, Tebusan)	0.016
82665	Terbacil (Sinbar)	0.034
82675	Terbufos (Counter, Contraven)	0.017
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 groundwater samples (laboratory schedule 2060)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study sites were analyzed for pesticides on laboratory schedule 2060 during the 2001 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)	0.01
49312	Aldicarb (Temik, Ambush)	0.04
49313	Aldicarb sulfone (Standak, Aldoxycad)	0.02
49314	Aldicarb sulfoxide	0.01
39632	Atrazine	0.007
50299	Bendiocarb	0.025
50300	Benomyl	0.004
61693	Bensulfuron-methyl	0.0158
38711	Bentazon (Basagran, Bentazone)	0.01
04029	Bromacil (Bromax, Urox B)	0.03
49311	Bromoxynil (Torch, Buctril)	0.02
50305	Caffeine	0.01
49310	Carbaryl (Sevin, Denapan)	0.03
49309	Carbofuran (Furandan, Curaterr)	0.01
61188	Chloramben, methyl ester	0.02
50306	Chlorimuron-ethyl	0.010
61692	3(4-Chlorophenyl)-1-methyl urea	0.0242
49306	Chlorothalonil (Bravo, Daconil 2787)	0.04
49305	Clopyralid (Stringer)	0.01
04031	Cycloate	0.01
49304	Dacthal monoacid	0.01
04040	Deethylatrazine	0.06
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	0.0110
38811	Fluometuron (Flo-Met, Cotoron)	0.03
50355	2-Hydroxyatrazine	0.008
49308	3-Hydroxycarbofuran	0.01
50356	Imazaquin	0.016
50407	Imazethapyr	0.017
61695	Imidacloprid	0.0068
50295	3-Ketocarbofuran	1.5
38478	Linuron (Linurex, Lorex)	0.01
50359	Metalaxyl	0.020
38501	Methiocarb (Mesurol, Slug-Geta)	0.01
49296	Methomyl (Lannate, Lanox)	0.0044
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	0.0250
49294	Neburon (Neburea, Neburyl)	0.01
50364	Nicosulfuron	0.013
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)	0.01
50471	Propiconazole	0.021
38538	Propoxur (Baygon, Blattanex)	0.01
38548	Siduron	0.017
50337	Sulfometuron-methyl	0.009
82670	Tebuthiuron	0.016
04032	Terbacil	0.01
61159	Tribenuron-methyl	0.01
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 2001. 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	0.06
77223	(1-Methylethyl)benzene	Isopropylbenzene	0.03
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		0.03
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		0.2
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	0.2
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	0.04
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	0.06
77356	1-Isopropyl-4-methylbenzene	*p*-Isopropyltoluene	0.07
77170	2,2-Dichloropropane		0.05
81595	2-Butanone	Methyl ethyl ketone, MEK	2
77220	2-Ethyltoluene		0.06
77103	2-Hexanone		0.7
34215	2-Propenenitrile	Acrylonitrile	1
78109	3-Chloro-1-propene		0.1
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	0.3
34423	Dichloromethane	Methylene Chloride	0.2
81576	Diethyl ether		0.2
81577	Diisopropyl ether		0.1
77128	Ethenylbenzene	Styrene	0.04
73570	Ethyl methacrylate		0.2
50004	Ethyl *tert*-butyl ether	Ethyl-*t*-butyl ether, ETBE	0.05
34371	Ethylbenzene		0.03
39702	Hexachlorobutadiene		3.0
77424	Iodomethane	Methyl iodide	0.1
49991	Methyl acrylate		1
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	0.1
34475	Tetrachloroethene	PCE	0.1
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 2001 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	0.013
39350	Chlordane, technical mix	0.1
39380	Dieldrin	0.006
39390	Endrin	0.014
39410	Heptachlor	0.014
39420	Heptachlor epoxide	0.009
39340	Lindane	0.006
39755	Mirex	0.01
39034	Perthane	0.1
39516	Polychlorinated biphenyls (PCB's)	0.1
39250	Polychlorinated naphthalenes (PCN's)	0.1
39400	Toxaphene	1
39388	Endosulfan-I	0.015
39360	*p,p'*-DDD	0.007
39365	*p,p'*-DDE	0.006
39370	*p,p'*-DDT	0.009
39480	*p,p'*-Methoxychlor	0.01

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 2001 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	2.0
34536	1,2-Dichlorobenzene	2.00
82626	1,2-Diphenylhydrazine	2
34566	1,3-Dichlorobenzene	2.00
34571	1,4-Dichlorobenzene	2.00
34621	2,4,6-Trichlorophenol	3
34601	2,4-Dichlorophenol	3
34606	2,4-Dimethylphenol	3
34616	2,4-Dinitrophenol	20
34611	2,4-Dinitrotoluene	3
34626	2,6-Dinitrotoluene	2
34581	2-Chloronaphthalene	2
34586	2-Chlorophenol	2
34591	2-Nitrophenol	3
34631	3,3'-Dichlorobenzidine	3
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	3
34230	Benzo[*b*]fluoranthene	3
34521	Benzo[*g,h,i*]perylene	3
34242	Benzo[*k*]fluoranthene	3
34292	*n*-Butyl benzyl phthalate	4
34320	Chrysene	3
39110	Di-*n*-butyl phthalate	3

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	3.0
34386	Hexachlorocyclopentadiene	2
34396	Hexachloroethane	2.0
34403	Indeno[1,2,3-*cd*]pyrene	3
34408	Isophorone	2
34428	*N*-Nitrosodi-*n*-propylamine	2
34438	*N*-Nitrosodimethylamine	3
34433	*N*-Nitrosodiphenylamine	3
34696	Naphthalene	5.0
34447	Nitrobenzene	2
39032	Pentachlorophenol	4
34461	Phenanthrene	2
34694	Phenol	3
34469	Pyrene	2
34278	Bis(2-chloroethoxy) methane	3
34273	Bis(2-chloroethyl) ether	2
39100	Bis(2-ethylhexyl) phthalate	20
34283	Bis(2-chloroisopropyl) ether	2

Analysis of inorganic substances: major ions and trace metals and cyanide in surface-water and ground-water samples (laboratory schedules 2702, 1294, 1231, 1232, and 101)

Surface-water and ground-water samples from Brooklyn and Queens Aquifer Study, and South Fork Evaluation Study sites were analyzed for inorganic substances on laboratory schedules 2702, 1294, and 101 during the 2001 water year. Surface-water samples from the South Shore Estuary Study were sampled for schedules 1231 and 1232. 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	0.02	mg/L	OFR 95-189
01002	RA	Arsenic	1.9	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
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
South Shore Estuary Study

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	DATE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NASSAU COUNTY										
CARMAN CREEK AT AMITYVILLE, NY	40 40 09 N	073 26 02 W	12-06-00	3.9	7.6	6.0	--	15.6	14.7	3.71
	40 40 09 N	073 26 02 W	04-18-01	6.7	--	6.2	--	17.1	16.2	4.55
MASSAPEQUA CREEK AT MASSAPEQUA, NY	40 41 20 N	073 27 19 W	12-05-00	2.3	13.5	6.3	8.0	14.7	14.8	2.82
	40 41 20 N	073 27 19 W	04-18-01	5.9	9.7	5.9	8.1	15.2	14.5	2.94
BELLMORE CREEK NEAR BELLMORE, NY	40 40 43 N	073 30 58 W	12-05-00	2.5	--	6.1	6.7	16.9	16.6	3.12
	40 40 43 N	073 30 58 W	04-18-01	3.5	15.7	6.4	13.9	17.8	17.1	3.28
EAST MEADOW BROOK AT FREEPORT, NY	40 39 56 N	073 34 13 W	12-06-00	1.3	13.0	6.2	4.3	13.9	13.1	3.34
	40 39 56 N	073 34 13 W	04-19-01	4.1	9.1	5.9	10.0	16.7	16.0	3.90
PINES BROOK AT MALVERNE, NY	40 39 59 N	073 39 35 W	12-06-00	.22	13.2	6.8	8.6	24.0	23.0	4.88
	40 39 59 N	073 39 35 W	04-19-01	1.6	6.6	5.2	10.3	24.3	23.3	5.41

LOCAL IDENTIFIER	DATE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	BROMIDE DISSOLVED (MG/L AS BR) (71870)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NASSAU COUNTY											
CARMAN CREEK AT AMITYVILLE, NY	12-06-00	3.58	2.05	1.8	38.3	37.7	34	.10	59.4	E.1	9.8
	04-18-01	4.38	2.42	2.3	44.2	40.4	31	.14	68.0	<.2	8.8
MASSAPEQUA CREEK AT MASSAPEQUA, NY	12-05-00	2.88	2.27	2.0	24.7	23.9	23	<.01	38.2	<.2	8.9
	04-18-01	2.93	2.15	2.1	27.3	25.0	26	.03	40.6	<.2	5.7
BELLMORE CREEK NEAR BELLMORE, NY	12-05-00	3.10	2.04	1.8	24.0	22.9	33	.03	33.2	<.2	9.1
	04-18-01	3.30	2.02	2.0	33.3	31.3	36	.05	49.2	<.2	5.5
EAST MEADOW BROOK AT FREEPORT, NY	12-06-00	3.25	1.90	1.7	52.0	51.2	27	.02	82.8	<.2	5.9
	04-19-01	3.88	2.00	1.9	75.0	71.7	31	.05	116	<.2	5.1
PINES BROOK AT MALVERNE, NY	12-06-00	4.83	3.59	3.5	26.2	26.9	47	.04	39.2	<.2	8.9
	04-19-01	5.37	2.87	2.8	47.5	45.5	53	.05	71.7	<.2	7.9

LOCAL IDENTIFIER	DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	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)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
NASSAU COUNTY											
CARMAN CREEK AT AMITYVILLE, NY	12-06-00	21.5	175	.124	.21	.37	1.32	.009	.008	.007	.020
	04-18-01	24.8	205	.095	.19	.27	1.69	.009	.006	<.007	.014
MASSAPEQUA CREEK AT MASSAPEQUA, NY	12-05-00	22.7	137	.100	.20	.46	1.90	.012	E.004	E.006	.020
	04-18-01	20.1	158	.043	.23	.35	1.58	.007	E.005	<.007	.011
BELLMORE CREEK NEAR BELLMORE, NY	12-05-00	22.6	140	.139	.36	.49	2.28	.016	.007	.008	.027
	04-18-01	21.2	169	<.041	.14	.28	1.75	.008	E.005	<.007	.014
EAST MEADOW BROOK AT FREEPORT, NY	12-06-00	21.0	204	.072	.20	.37	1.01	.007	<.006	<.007	.007
	04-19-01	20.4	263	.042	.14	.31	1.37	.009	E.003	<.007	.011
PINES BROOK AT MALVERNE, NY	12-06-00	28.3	177	<.041	.12	.32	3.13	.002	.008	.007	.013
	04-19-01	25.9	236	E.039	.16	.24	2.50	.008	.008	<.007	.010

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
South Shore Estuary Study

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
			NASSAU COUNTY				
CARMAN CREEK AT AMITYVILLE, NY	12-06-00	.89	V1.5	510	790	553	556
	04-18-01	1.3	1.4	300	530	453	455
MASSAPEQUA CREEK AT MASSAPEQUA, NY	12-05-00	2.2	4.1	40	200	246	269
	04-18-01	2.4	2.1	70	160	182	183
BELLMORE CREEK NEAR BELLMORE, NY	12-05-00	2.0	3.6	100	350	96.1	97
	04-18-01	2.0	2.1	120	290	84.1	82
EAST MEADOW BROOK AT FREEPORT, NY	12-06-00	2.5	2.9	170	300	100	104
	04-19-01	2.5	2.9	120	450	181	180
PINES BROOK AT MALVERNE, NY	12-06-00	1.5	V1.9	M	100	70.4	74
	04-19-01	2.0	2.1	110	160	143	141

E Estimated value.
M Results reported by memorandum from the National Water Quality Laboratory.
V Analyte was detected in both the environmental sample and the associated blanks.

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
South Fork Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Vertical Profile Data

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	DATE	SAMPLING DEPTH (FEET) (00003)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	TEMPERATURE WATER (DEG C) (00010)
			SUFFOLK COUNTY					
BIG FRESH POND NEAR NORTH SEA, NY	40 55 19 N	072 25 18 W	08-28-01	.000	9.9	7.2	120	26.4
	40 55 19 N	072 25 18 W	08-28-01	1.00	9.9	7.1	119	26.4
	40 55 19 N	072 25 18 W	08-28-01	3.00	9.9	7.0	119	26.3
	40 55 19 N	072 25 18 W	08-28-01	5.00	9.8	7.1	119	26.2
	40 55 19 N	072 25 18 W	08-28-01	7.00	9.8	7.1	119	26.2
	40 55 19 N	072 25 18 W	08-28-01	9.00	9.8	7.1	119	26.2
	40 55 19 N	072 25 18 W	08-28-01	11.0	9.7	7.2	119	26.2
	40 55 19 N	072 25 18 W	08-28-01	13.0	9.5	7.2	119	26.1
	40 55 19 N	072 25 18 W	08-28-01	15.0	7.3	7.1	119	24.7
	40 55 19 N	072 25 18 W	08-28-01	17.0	1.2	7.0	119	20.9
	40 55 19 N	072 25 18 W	08-28-01	19.0	1.1	7.0	141	17.6
	40 55 19 N	072 25 18 W	08-28-01	21.0	.3	6.9	148	15.6
	40 55 19 N	072 25 18 W	08-28-01	23.0	.2	6.8	170	13.2
	40 55 19 N	072 25 18 W	08-28-01	25.0	.3	6.8	212	11.5
FORT POND AT MONTAUK, NY	41 02 11 N	071 56 49 W	08-07-01	1.00	6.9	7.7	314	25.7
	41 02 11 N	071 56 49 W	08-07-01	2.00	6.8	7.8	315	25.6
	41 02 11 N	071 56 49 W	08-07-01	3.00	6.8	7.8	314	25.6
	41 02 11 N	071 56 49 W	08-07-01	4.00	6.8	7.9	315	25.6
	41 02 11 N	071 56 49 W	08-07-01	5.00	6.8	7.9	315	25.6
	41 02 11 N	071 56 49 W	08-07-01	6.00	6.8	7.9	314	25.6
TROUT POND AT NOYACK, NY	40 59 34 N	072 21 00 W	08-27-01	.000	7.3	6.5	79	22.6
	40 59 34 N	072 21 00 W	08-27-01	1.00	7.6	6.6	79	22.7
	40 59 34 N	072 21 00 W	08-27-01	2.00	7.6	6.6	80	22.6
	40 59 34 N	072 21 00 W	08-27-01	3.00	7.5	6.6	80	22.6
HOOK POND AT EAST HAMPTON, NY	40 57 18 N	072 10 42 W	08-06-01	.000	--	7.2	263	25.8
	40 57 18 N	072 10 42 W	08-06-01	.50	--	7.3	263	25.3
	40 57 18 N	072 10 42 W	08-06-01	1.00	--	7.3	263	25.3
LONG POND NEAR SAG HARBOR, NY	40 58 20 N	072 17 39 W	08-08-01	.000	5.8	6.5	115	28.3
	40 58 20 N	072 17 39 W	08-08-01	1.00	6.0	6.6	115	27.1
	40 58 20 N	072 17 39 W	08-08-01	2.00	6.0	6.7	115	26.7
	40 58 20 N	072 17 39 W	08-08-01	3.00	5.9	6.9	114	26.8
	40 58 20 N	072 17 39 W	08-08-01	4.00	6.1	7.0	114	26.4
	40 58 20 N	072 17 39 W	08-08-01	5.00	3.2	6.8	112	24.6
MILL POND AT WATER MILL, NY	40 54 35 N	072 21 47 W	08-29-01	.000	13.4	9.6	205	26.4
	40 54 35 N	072 21 47 W	08-29-01	1.00	12.3	9.7	200	26.0
	40 54 35 N	072 21 47 W	08-29-01	2.00	11.4	9.6	196	25.8
	40 54 35 N	072 21 47 W	08-29-01	3.00	10.9	9.6	195	25.8
	40 54 35 N	072 21 47 W	08-29-01	4.00	10.9	9.5	195	25.7
	40 54 35 N	072 21 47 W	08-29-01	5.00	10.0	9.4	193	25.6
	40 54 35 N	072 21 47 W	08-29-01	6.00	9.5	9.4	192	25.5
	40 54 35 N	072 21 47 W	08-29-01	7.00	9.2	8.7	190	25.5
	40 54 35 N	072 21 47 W	08-29-01	7.80	6.7	9.0	191	25.4

Water-Quality Data

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	DATE	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)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
			SUFFOLK COUNTY							
BIG FRESH POND NEAR NORTH SEA, NY	40 55 19 N	072 25 18 W	08-28-01	25.9	10	0.86	4.50	54.0	9.8	7.1
FORT POND AT MONTAUK, NY	41 02 11 N	071 56 49 W	08-07-01	--	10	1.00	--	--	6.8	7.8
TROUT POND AT NOYACK, NY	40 59 34 N	072 21 00 W	08-27-01	3.14	18	1.07	2.00	37.7	7.6	6.6
	40 59 34 N	072 21 00 W	09-20-01	--	18	1.07	--	--	1.2	6.9
HOOK POND AT EAST HAMPTON, NY	40 57 18 N	072 10 42 W	08-06-01	1.80	5	4.06	.50	6.00	--	7.3
LONG POND NEAR SAG HARBOR, NY	40 58 20 N	072 17 39 W	08-08-01	6.80	20	2.31	5.30	63.0	5.9	6.9
MILL POND AT WATER MILL, NY	40 54 35 N	072 21 47 W	08-29-01	7.80	10	4.02	1.00	12.0	--	--

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
South Fork Evaluation Study, Pond Sites

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	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)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
SUFFOLK COUNTY											
BIG FRESH POND NEAR NORTH SEA, NY	08-28-01	119	--	26.2	<.040	.26	.35	<.050	<.006	E.005	<.020
FORT POND AT MONTAUK, NY	08-07-01	314	--	25.0	E.024	.54	.74	E.028	<.006	E.004	<.020
TROUT POND AT NOYACK, NY	08-27-01	80	24.0	22.6	<.040	.22	.17	E.052	<.006	.009	<.020
	09-20-01	80	--	16.7	E.022	.15	.12	E.044	<.006	.007	<.020
HOOK POND AT EAST HAMPTON, NY	08-06-01	263	23.0	25.0	.056	.77	1.2	.292	.018	.024	<.020
LONG POND NEAR SAG HARBOR, NY	08-08-01	114	28.0	26.0	E.036	.31	.47	E.023	<.006	E.005	<.020
MILL POND AT WATER MILL, NY	08-29-01	200	27.2	26.0	<.040	.74	2.1	<.050	<.006	.083	E.048

LOCAL IDENTIFIER	DATE	PHOSPHORUS TOTAL (MG/L AS P) (00665)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENOMYL WATER FLTRD REC (UG/L) (50300)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	HYDROXY ATRAZINE WATER FLTRD REC (UG/L) (50355)	METALAXYL WATER FLTRD REC (UG/L) (50359)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PROMETON, WATER, DISS, REC (UG/L) (04037)	CARBON DISULFIDE WATER WHOLE TOTAL (UG/L) (77041)
SUFFOLK COUNTY											
BIG FRESH POND NEAR NORTH SEA, NY	08-28-01	.012	<.009	<.004	<.028	E.01	<.008	<.020	E.002	E.008	<.07
FORT POND AT MONTAUK, NY	08-07-01	.020	E.002	<.004	<.006	<.04	E.009	<.020	<.013	E.003	<.07
TROUT POND AT NOYACK, NY	08-27-01	.011	<.007	<.004	<.006	<.04	<.008	<.020	<.013	<.015	<.07
	09-20-01	.012	<.009	<.004	<.028	<.04	<.008	<.020	<.013	<.015	<.07
HOOK POND AT EAST HAMPTON, NY	08-06-01	.119	<.007	E.008	<.006	<.04	<.008	<.020	<.013	E.007	<.07
LONG POND NEAR SAG HARBOR, NY	08-08-01	.017	E.003	<.004	<.006	<.04	<.008	<.020	E.003	<.015	<.07
MILL POND AT WATER MILL, NY	08-29-01	.251	E.017	<.004	E.004	<.04	E.037	E.005	.018	E.007	E.03

LOCAL IDENTIFIER	DATE	CHLOROFORM TOTAL (UG/L) (32106)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)
SUFFOLK COUNTY				
BIG FRESH POND NEAR NORTH SEA, NY	08-28-01	E.03	<.04	<.04
FORT POND AT MONTAUK, NY	08-07-01	<.02	<.04	<.04
TROUT POND AT NOYACK, NY	08-27-01	.11	<.04	<.04
	09-20-01	.13	<.04	<.04
HOOK POND AT EAST HAMPTON, NY	08-06-01	<.02	E.04	E.03
LONG POND NEAR SAG HARBOR, NY	08-08-01	E.06	<.04	<.04
MILL POND AT WATER MILL, NY	08-29-01	<.02	<.04	<.04

E Estimated value.

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	TIME	LATITUDE	LONGITUDE	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE FIELD (US/CM) (00094)	TEMPERATURE WATER (DEG C) (00010)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
KINGS COUNTY										
K 1265. 2	08-20-01	1030	40 39 39 N	073 54 29 W	3.1	6.4	800	18.0	.100	<.006
K 2510. 1	06-13-01	1045	40 34 26 N	073 58 32 W	2.4	7.0	45400	14.3	1.31	E.003
	07-10-01	1025	40 34 26 N	073 58 32 W	8.8	7.3	10000	13.7	--	--
K 2582. 1	06-11-01	1200	40 37 32 N	073 57 37 W	5.0	7.8	897	15.1	<.040	<.006
	07-18-01	1215	40 37 32 N	073 57 37 W	4.2	7.9	925	15.5	--	--
K 3133. 1	07-12-01	0940	40 41 58 N	073 56 58 W	4.2	7.1	1250	15.1	.499	E.003
K 3151. 1	08-13-01	1030	40 39 21 N	073 54 50 W	2.9	7.5	599	32.0	.441	<.006
K 3246. 2	07-10-01	1015	40 39 02 N	073 55 28 W	3.4	6.5	430	17.4	E.026	.012
K 3248. 1	07-16-01	1045	40 37 12 N	074 00 16 W	--	--	450	18.5	E.021	E.005
K 3251. 1	06-04-01	1000	40 35 20 N	073 57 55 W	--	6.8	461	17.1	<.040	.008
K 3255. 2	07-10-01	0915	40 38 27 N	073 53 52 W	1.8	6.4	549	15.5	E.028	.012
K 3256. 2	06-13-01	0930	40 39 49 N	073 53 21 W	6.2	6.6	481	16.9	<.040	E.003
K 3260. 2	08-15-01	1030	40 43 25 N	073 56 35 W	6.6	7.1	2440	19.8	E.035	.034
K 3405. 1	06-11-01	1050	40 37 19 N	073 57 33 W	--	7.9	579	15.0	<.040	<.006
K 3406. 1	07-09-01	1010	40 38 06 N	074 02 19 W	2.4	7.6	1940	15.3	<.040	.012
K 3407. 1	07-18-01	1150	40 35 20 N	073 57 57 W	10.8	6.7	43000	14.7	.780	.014
K 3410. 1	07-17-01	1140	40 40 39 N	073 55 50 W	2.4	7.5	321	14.3	1.39	<.006
K 3414. 1	04-30-01	1130	40 34 31 N	073 58 11 W	--	6.6	42200	14.3	.809	.006
K 3425. 1	07-17-01	0920	40 40 39 N	073 55 50 W	1.7	6.8	1430	17.0	<.040	<.006
K 3426. 1	07-31-01	1200	40 39 52 N	073 51 37 W	2.7	6.0	24600	15.9	1.06	<.006
K 3430. 1	06-25-01	1023	40 39 41 N	073 57 43 W	3.5	7.5	639	14.0	E.026	E.003
QUEENS COUNTY										
Q 273. 1	09-18-01	1430	40 42 57 N	073 49 37 W	2.1	6.9	160	14.8	<.040	<.006
Q 277. 1	08-13-01	0945	40 45 19 N	073 44 38 W	4.3	6.9	325	11.8	E.033	<.006
Q 470. 1	07-25-01	1110	40 45 41 N	073 45 26 W	10.6	6.9	274	13.2	<.040	<.006
Q 471. 1	07-30-01	1200	40 45 41 N	073 45 26 W	10.6	6.6	69	16.6	<.040	<.006
Q 1472. 1	07-10-01	0850	40 44 15 N	073 46 56 W	4.7	6.5	646	26.6	E.034	.012
Q 2418. 1	06-14-01	1106	40 45 04 N	073 50 18 W	3.0	7.1	1620	13.7	3.16	E.003
Q 2419. 1	06-14-01	1130	40 45 03 N	073 50 19 W	.7	7.4	160	13.6	.057	E.005
Q 2420. 1	06-14-01	1115	40 45 03 N	073 50 20 W	.1	7.1	163	13.6	.056	E.003
Q 2791. 1	09-10-01	1030	40 46 24 N	073 48 35 W	--	6.7	425	16.0	.186	<.006
Q 2814. 1	09-10-01	0930	40 45 11 N	073 48 52 W	--	6.5	591	15.0	<.040	.013
Q 2978. 1	09-17-01	1100	40 47 03 N	073 48 35 W	2.5	6.6	501	14.5	E.025	<.006
Q 3003. 1	07-09-01	0820	40 45 15 N	073 42 31 W	5.5	6.2	356	21.9	<.040	.011
Q 3036. 1	08-16-01	0940	40 43 54 N	073 52 00 W	--	6.7	194	17.0	.708	<.006
Q 3112. 1	07-05-01	1103	40 39 39 N	073 47 28 W	1.6	7.7	431	15.1	.718	.007
Q 3117. 1	07-05-01	1200	40 39 39 N	073 47 28 W	1.0	6.9	733	15.0	1.05	.008
Q 3587. 1	05-29-01	1050	40 41 38 N	073 53 51 W	--	7.6	--	--	<.040	E.003
Q 3589. 1	07-02-01	1100	40 40 26 N	073 47 21 W	1.6	7.1	414	14.7	.121	.010
Q 3593. 1	07-24-01	1020	40 47 33 N	073 48 29 W	3.0	6.8	197	14.7	.042	<.006
Q 3604. 1	07-24-01	1100	40 47 32 N	073 48 29 W	.3	7.0	915	15.4	<.040	<.006
Q 3627. 1	06-07-01	1030	40 42 39 N	073 49 30 W	--	7.2	181	13.1	E.028	.013
Q 3628. 1	06-07-01	1150	40 42 39 N	073 49 29 W	--	7.4	203	12.8	E.038	E.005
Q 3629. 1	06-07-01	1247	40 42 39 N	073 49 28 W	--	5.9	300	16.3	.067	<.006
Q 3649. 1	05-29-01	1107	40 41 38 N	073 53 51 W	--	7.6	--	--	E.024	.011
Q 3804. 1	05-21-01	1115	40 44 59 N	073 42 24 W	--	5.8	396	16.2	<.040	<.006
Q 3806. 1	07-02-01	0915	40 45 39 N	073 46 53 W	3.5	6.5	679	15.6	E.022	<.006
Q 3810. 1	07-19-01	1120	40 44 11 N	073 49 16 W	--	6.9	796	14.4	<.040	.008
Q 3815. 1	09-24-01	1130	40 46 17 N	073 48 32 W	3.5	6.8	557	14.0	<.040	<.006
Q 3816. 1	09-24-01	1330	40 46 53 N	073 48 53 W	2.9	5.9	1100	15.5	<.040	<.006
ALLEY POND SPRING	08-23-01	1015	40 45 23 N	073 44 40 W	6.7	6.7	216	11.9	<.040	<.006
ALLEY CREEK NEAR OAKLAND GARDENS, NY	06-05-01	1000	40 45 45 N	073 45 05 W	8.1	7.2	813	13.1	.079	.014
GABBLERS CREEK AT LITTLE NECK, NY	06-05-01	1130	40 46 25 N	073 44 39 W	4.4	6.8	553	13.6	.214	.035

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENT-I-FIER	DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (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 RECOV-ERABLE (UG/L AS BA) (01007)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
KINGS COUNTY											
K 1265. 2	08-20-01	9.12	<.020	114	<10	93.7	.22	73.8	102	3	4.8
K 2510. 1	06-13-01	<.050	<.020	143	<10	<50.0	<1.80	330	15900	<5	E17.9
	07-10-01	--	--	--	--	--	--	--	--	--	--
K 2582. 1	06-11-01	7.31	.028	142	<2	65.1	<.04	57.4	119	1	4.7
	07-18-01	--	--	--	--	--	--	--	--	--	--
K 3133. 1	07-12-01	<.050	<.020	210	<2	15.6	E.02	107	204	2	1.9
K 3151. 1	08-13-01	E.023	<.020	30	<2	273	<.04	34.0	131	1	1.3
K 3246. 2	07-10-01	11.9	<.020	34	<2	32.1	<.04	30.7	44.2	2	1.2
K 3248. 1	07-16-01	2.02	<.020	93	<2	33.8	<.04	13.7	47.1	1	1.1
K 3251. 1	06-04-01	6.13	<.020	--	--	--	--	--	--	--	--
K 3255. 2	07-10-01	.788	E.013	159	<2	31.5	.32	38.2	43.7	2	8.3
K 3256. 2	06-13-01	<.240	<.020	46	<2	28.4	<.04	21.8	68.6	4	1.5
K 3260. 2	08-15-01	4.54	E.009	191	E1	83.0	.18	175	533	15	9.0
K 3405. 1	06-11-01	4.08	E.012	139	<2	39.4	E.02	36.6	45.0	1	.7
K 3406. 1	07-09-01	10.5	.052	131	<2	26.9	.04	15.2	439	4	20.2
K 3407. 1	07-18-01	.049	E.016	108	<10	39.1	<.72	413	16100	5	<10.8
K 3410. 1	07-17-01	E.035	.257	143	<2	62.6	<.04	21.9	17.0	1	<.6
K 3414. 1	04-30-01	E.024	E.009	45	<10	35.9	<.63	379	15800	E3	11.7
K 3425. 1	07-17-01	6.59	<.020	260	<2	32.4	.13	197	162	2	1.6
K 3426. 1	07-31-01	E.036	<.020	--	<6	50.1	<.35	245	8300	<1	13.1
K 3430. 1	06-25-01	1.49	.029	222	<2	112	<.04	52.4	53.9	1	.8
QUEENS COUNTY											
Q 273. 1	09-18-01	1.47	<.020	31	<2	9.5	<.04	11.3	8.0	2	25.0
Q 277. 1	08-13-01	3.59	<.020	56	<2	22.4	<.04	24.2	26.9	5	E.4
Q 470. 1	07-25-01	<.050	<.020	74	8	70.6	2.31	33.4	10.6	30	381
Q 471. 1	07-30-01	1.97	<.020	13	<2	4.7	.59	3.38	5.4	1	916
Q 1472. 1	07-10-01	3.99	<.020	72	<2	36.7	<.04	31.0	54.4	2	4.5
Q 2418. 1	06-14-01	E.023	<.020	190	<2	142	.17	49.4	361	2	8.9
Q 2419. 1	06-14-01	E.029	<.020	68	E1	29.8	<.04	13.1	4.6	M	.9
Q 2420. 1	06-14-01	E.023	<.020	70	M	29.5	<.04	13.5	4.6	<1	.8
Q 2791. 1	09-10-01	7.52	<.020	160	<2	56.9	.20	55.4	110	4	15.9
Q 2814. 1	09-10-01	7.80	<.020	51	<2	59.8	.06	38.3	91.0	1	24.7
Q 2978. 1	09-17-01	<.050	<.020	124	<2	43.6	E.03	40.3	44.2	1	1.4
Q 3003. 1	07-09-01	2.64	<.020	25	E1	4.5	<.04	74.7	54.2	4	.8
Q 3036. 1	08-16-01	E.032	<.020	70	<2	69.9	70.0	7.32	9.4	2	426
Q 3112. 1	07-05-01	E.046	.256	58	<2	49.1	<.04	34.2	85.5	<1	1.3
Q 3117. 1	07-05-01	.097	<.020	179	3	37.8	.06	77.8	49.5	2	4.2
Q 3587. 1	05-29-01	--	.027	185	<2	55.9	.05	75.9	85.0	2	2.0
Q 3589. 1	07-02-01	E.023	<.020	65	<2	37.3	.14	31.6	61.5	<1	<.6
Q 3593. 1	07-24-01	E.023	<.020	53	M	24.4	<.04	13.7	11.3	2	<.6
Q 3604. 1	07-24-01	3.42	.048	234	<2	65.2	<.04	70.3	87.2	2	E.5
Q 3627. 1	06-07-01	.957	<.020	61	E2	35.8	.10	17.9	7.5	4	11.0
Q 3628. 1	06-07-01	.608	<.020	80	E1	19.6	.04	21.4	8.2	2	5.2
Q 3629. 1	06-07-01	.050	<.020	65	<2	37.7	.09	24.3	<.1	<1	1.6
Q 3649. 1	05-29-01	--	<.020	181	<2	83.4	<.04	66.5	68.8	2	3.0
Q 3804. 1	05-21-01	3.92	<.020	28	<2	69.2	<.04	16.6	72.8	2	.7
Q 3806. 1	07-02-01	3.43	<.020	71	<2	103	<.04	41.3	102	1	E.6
Q 3810. 1	07-19-01	9.09	<.020	256	<2	72.6	<.04	79.8	56.1	6	.7
Q 3815. 1	09-24-01	4.42	<.020	47	<2	17.8	.04	26.3	36.9	6	1.3
Q 3816. 1	09-24-01	9.66	.026	57	<2	104	E.02	65.8	262	3	7.7
ALLEY POND SPRING	08-23-01	4.44	<.020	32	<2	33.4	<.04	15.7	15.3	M	E.5
ALLEY CREEK	06-05-01	2.73	<.020	--	--	--	--	--	--	--	--
GABBLERS CREEK	06-05-01	2.81	.039	--	--	--	--	--	--	--	--

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 1265. 2	08-20-01	<.2	3180	2	18.1	859	.03	<.01	6.5	13.2	514
K 2510. 1	06-13-01	.4	<170	<50	1020	3680	.08	<.50	7.4	316	31200
	07-10-01	--	--	--	--	--	--	--	--	--	--
K 2582. 1	06-11-01	<.2	20	<1	39.2	<1	<.02	<.01	7.8	2.2	582
	07-18-01	--	--	--	--	--	--	--	--	--	--
K 3133. 1	07-12-01	E.1	1470	4	41.5	1090	<.02	<.01	7.5	4.1	668
K 3151. 1	08-13-01	<.2	140	<1	14.9	224	.03	<.01	7.3	1.9	310
K 3246. 2	07-10-01	<.2	400	<1	7.43	55	<.02	<.01	6.8	1.3	288
K 3248. 1	07-16-01	<.2	890	<1	26.7	33	<.02	<.01	6.7	2.2	284
K 3251. 1	06-04-01	--	--	--	--	--	.03	.01	--	--	--
K 3255. 2	07-10-01	E.1	300	<1	7.53	2060	.11	<.01	7.1	3.2	336
K 3256. 2	06-13-01	E.1	1010	<1	8.19	80	<.02	<.01	6.9	1.1	276
K 3260. 2	08-15-01	<.2	4720	3	54.0	1240	<.02	<.01	7.0	6.8	1430
K 3405. 1	06-11-01	<.2	M	<1	27.8	16	<.02	<.01	8.0	1.9	385
K 3406. 1	07-09-01	<.2	30	3	8.20	1	E.03	<.01	7.9	1.9	1150
K 3407. 1	07-18-01	<.2	28300	<18	1100	3720	.03	<.05	6.5	189	30000
K 3410. 1	07-17-01	.2	1120	<1	5.81	107	<.02	<.01	7.5	2.8	186
K 3414. 1	04-30-01	<.2	38800	<18	1030	3710	.63	<.01	6.3	306	32300
K 3425. 1	07-17-01	<.2	50	<1	48.1	3	<.02	<.01	6.9	4.3	1020
K 3426. 1	07-31-01	<.2	171000	<10	504	5180	<.16	<.01	5.7	45.7	15600
K 3430. 1	06-25-01	<.2	M	<1	28.8	<1	E.04	<.01	7.7	2.2	373
QUEENS COUNTY											
Q 273. 1	09-18-01	<.2	E10	<1	2.68	1	<.05	<.01	7.7	.7	76
Q 277. 1	08-13-01	<.2	20	<1	14.7	<1	.03	<.01	6.6	1.4	191
Q 470. 1	07-25-01	<.2	40200	320	5.86	195	.03	1.05	7.0	2.9	147
Q 471. 1	07-30-01	<.2	18800	64	2.26	12	<.02	.02	6.9	.7	54
Q 1472. 1	07-10-01	<.2	20	<1	17.1	<1	<.02	<.01	6.5	2.1	270
Q 2418. 1	06-14-01	.3	30300	4	28.1	803	<.02	.01	7.0	19.1	840
Q 2419. 1	06-14-01	E.1	3420	<1	5.68	147	<.02	<.01	7.1	1.4	96
Q 2420. 1	06-14-01	E.1	2860	<1	5.82	146	<.02	<.01	7.1	1.4	97
Q 2791. 1	09-10-01	<.2	E10	<1	31.2	<1	.03	<.01	7.3	1.8	443
Q 2814. 1	09-10-01	<.2	230	<1	19.1	3	<.02	<.01	6.2	1.9	340
Q 2978. 1	09-17-01	<.2	880	<1	24.3	504	.03	<.01	6.4	1.6	338
Q 3003. 1	07-09-01	<.2	E10	<1	31.7	<1	E.05	<.01	6.3	6.0	210
Q 3036. 1	08-16-01	E.1	28800	98	3.13	353	.02	.02	7.0	2.3	86
Q 3112. 1	07-05-01	E.1	290	<1	11.1	110	E.01	<.01	7.8	2.8	275
Q 3117. 1	07-05-01	E.1	1020	11	9.71	2380	E.03	.03	6.9	11.0	462
Q 3587. 1	05-29-01	E.1	160	<1	30.2	175	.04	<.01	7.5	2.3	464
Q 3589. 1	07-02-01	E.1	1210	<1	13.0	444	<.02	<.01	7.1	2.6	222
Q 3593. 1	07-24-01	E.2	4730	<1	6.85	236	<.02	<.01	6.6	1.5	97
Q 3604. 1	07-24-01	E.1	<10	<1	52.2	7	.03	<.01	7.2	2.8	556
Q 3627. 1	06-07-01	E.1	2910	26	7.38	303	<.08	.06	7.0	1.6	105
Q 3628. 1	06-07-01	E.1	1700	9	7.81	246	<.04	.02	7.2	1.8	121
Q 3629. 1	06-07-01	E.1	9080	1	11.4	1520	<.04	<.01	6.0	2.2	183
Q 3649. 1	05-29-01	<.2	70	<1	25.9	7	.03	<.01	7.5	2.0	417
Q 3804. 1	05-21-01	<.2	30	<1	6.47	3	.02	<.01	6.0	2.1	241
Q 3806. 1	07-02-01	<.2	30	<1	24.3	5	E.02	<.01	6.3	2.0	395
Q 3810. 1	07-19-01	<.2	70	<1	41.0	5	<.02	<.01	7.0	2.0	479
Q 3815. 1	09-24-01	<.2	50	<1	15.1	35	--	<.01	6.6	1.2	228
Q 3816. 1	09-24-01	<.2	1090	<1	40.0	56	--	<.01	6.8	3.0	680
ALLEY POND SPRING	08-23-01	<.2	M	<1	9.66	<1	<.02	<.01	6.4	<.1	146
ALLEY CREEK	06-05-01	--	--	--	--	--	<.02	<.01	--	--	--
GABBLERS CREEK	06-05-01	--	--	--	--	--	<.02	<.01	--	--	--

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Inorganic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
					KINGS COUNTY				
K	1265. 2	08-20-01	2.2	20.4	E.03	48.7	805	92.1	9
K	2510. 1	06-13-01	<18.0	9.9	<2.50	8280	43000	2150	<50
		07-10-01	--	--	--	--	--	--	--
K	2582. 1	06-11-01	2.4	25.9	<.05	47.4	879	96.5	8
		07-18-01	--	--	--	--	--	--	--
K	3133. 1	07-12-01	.6	20.5	<.05	72.0	1280	126	9
K	3151. 1	08-13-01	<.4	1.9	<.05	34.7	563	25.5	3
K	3246. 2	07-10-01	2.8	19.8	<.05	34.7	435	49.8	2
K	3248. 1	07-16-01	3.4	28.9	<.05	28.5	463	52.2	42
K	3251. 1	06-04-01	--	--	--	--	--	--	--
K	3255. 2	07-10-01	.9	12.6	<.05	59.1	556	49.1	5
K	3256. 2	06-13-01	1.6	18.5	<.05	50.2	472	34.4	2
K	3260. 2	08-15-01	2.5	22.8	.89	247	2360	203	16
K	3405. 1	06-11-01	2.1	29.6	<.05	29.1	571	65.2	2
K	3406. 1	07-09-01	.9	21.2	<.05	23.7	1950	126	100
K	3407. 1	07-18-01	--	12.5	<.90	1520	42800	2120	<18
K	3410. 1	07-17-01	<.4	17.7	<.05	40.4	358	2.6	<1
K	3414. 1	04-30-01	24.1	8.5	<18.0	8800	43900	2180	<18
K	3425. 1	07-17-01	5.6	33.8	<.05	54.6	1550	242	5
K	3426. 1	07-31-01	8.5	11.6	<.50	4070	23600	913	1660
K	3430. 1	06-25-01	.7	29.8	<.05	30.8	650	31.6	2
					QUEENS COUNTY				
Q	273. 1	09-18-01	<.4	14.4	<.05	6.0	121	7.8	2
Q	277. 1	08-13-01	1.3	16.0	<.05	11.1	335	47.2	1
Q	470. 1	07-25-01	E.2	7.3	.15	8.9	258	19.8	979
Q	471. 1	07-30-01	.5	13.0	.31	4.2	69	2.4	215
Q	1472. 1	07-10-01	.9	23.6	<.05	20.2	451	41.3	40
Q	2418. 1	06-14-01	<.4	16.0	<.05	189	1590	.6	134
Q	2419. 1	06-14-01	<.4	15.2	<.05	6.8	154	3.5	7
Q	2420. 1	06-14-01	.4	15.9	<.05	7.0	157	4.1	3
Q	2791. 1	09-10-01	1.1	31.9	<.05	37.3	764	46.9	20
Q	2814. 1	09-10-01	2.8	17.6	<.05	34.8	592	64.7	18
Q	2978. 1	09-17-01	<.4	41.8	<.05	18.5	511	74.9	4
Q	3003. 1	07-09-01	1.4	19.9	<.05	245	302	17.4	1
Q	3036. 1	08-16-01	<.4	9.2	.14	23.2	179	1.3	2340
Q	3112. 1	07-05-01	.4	19.0	<.05	22.0	443	9.8	2
Q	3117. 1	07-05-01	E.3	7.7	<.05	51.4	759	116	12
Q	3587. 1	05-29-01	2.0	27.3	<.05	33.5	815	60.7	4
Q	3589. 1	07-02-01	<.4	18.2	<.05	11.9	380	19.6	1
Q	3593. 1	07-24-01	<.4	8.8	<.05	8.7	180	15.5	4
Q	3604. 1	07-24-01	.7	27.9	<.05	36.8	917	109	<1
Q	3627. 1	06-07-01	.6	13.4	.05	4.6	182	12.6	31
Q	3628. 1	06-07-01	.5	15.2	<.05	5.5	209	10.3	14
Q	3629. 1	06-07-01	E.3	19.6	<.05	8.8	290	54.7	7
Q	3649. 1	05-29-01	2.1	30.2	<.05	32.3	729	47.3	2
Q	3804. 1	05-21-01	<.4	18.2	<.05	47.2	417	30.8	<1
Q	3806. 1	07-02-01	.4	24.3	<.05	45.1	678	70.0	<1
Q	3810. 1	07-19-01	2.3	27.6	<.05	14.4	769	46.8	2
Q	3815. 1	09-24-01	.9	24.8	<.05	14.6	366	55.9	3
Q	3816. 1	09-24-01	1.2	29.5	<.05	66.2	1140	43.4	3
ALLEY POND SPRING		08-23-01	1.2	15.4	<.05	9.2	232	35.8	<1
ALLEY CREEK		06-05-01	--	--	--	--	--	--	--
GABBLERS CREEK		06-05-01	--	--	--	--	--	--	--

E Estimated value.
M Results reported by memorandum from the National Water Quality Laboratory.

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENTIFIER	DATE	TIME	LATITUDE	LONGITUDE	P,P'-DDE, TOTAL (UG/L) (39365)	DIELDRIN TOTAL (UG/L) (39380)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	ACENAPHTHYLENE TOTAL (UG/L) (34200)	ACENAPHTHENE TOTAL (UG/L) (34205)	ANTHRACENE TOTAL (UG/L) (34220)
KINGS COUNTY										
K 1265. 2	08-20-01	1030	40 39 39 N	073 54 29 W	<.006	<.006	<.009	<2	<2	<2
K 2510. 1	06-13-01	1045	40 34 26 N	073 58 32 W	<.006	<.006	<.009	<2	<2	<2
	07-10-01	1025	40 34 26 N	073 58 32 W	--	--	--	--	--	--
K 2582. 1	06-11-01	1200	40 37 32 N	073 57 37 W	<.006	<.006	<.009	<2	<2	<2
	07-18-01	1215	40 37 32 N	073 57 37 W	--	--	--	--	--	--
K 3133. 1	07-12-01	0940	40 41 58 N	073 56 58 W	<.006	<.006	<.009	<2	M	<2
K 3151. 1	08-13-01	1030	40 39 21 N	073 54 50 W	<.006	<.006	<.009	<2	M	<2
K 3246. 2	07-10-01	1015	40 39 02 N	073 55 28 W	<.006	<.006	<.009	<2	<2	<2
K 3248. 1	07-16-01	1045	40 37 12 N	074 00 16 W	<.006	<.006	<.009	<2	<2	<2
K 3251. 1	06-04-01	1000	40 35 20 N	073 57 55 W	<.006	<.006	<.009	<2	M	M
K 3255. 2	07-10-01	0915	40 38 27 N	073 53 52 W	<.006	<.006	<.009	<2	<2	<2
K 3256. 2	06-13-01	0930	40 39 49 N	073 53 21 W	<.006	<.006	<.009	<2	<2	<2
K 3260. 2	08-15-01	1030	40 43 25 N	073 56 35 W	--	--	--	<2	<2	<2
K 3405. 1	06-11-01	1050	40 37 19 N	073 57 33 W	<.006	<.006	<.009	<2	<2	<2
K 3406. 1	07-09-01	1010	40 38 06 N	074 02 19 W	<.006	<.006	<.009	<2	<2	<2
K 3407. 1	07-18-01	1150	40 35 20 N	073 57 57 W	<.006	<.006	<.009	--	--	--
K 3410. 1	07-17-01	1140	40 40 39 N	073 55 50 W	<.006	<.006	<.009	<2	<2	<2
K 3414. 1	04-30-01	1130	40 34 31 N	073 58 11 W	<.006	<.006	<.009	<1	<.9	<1
K 3425. 1	07-17-01	0920	40 40 39 N	073 55 50 W	<.006	<.006	<.009	<2	<2	<2
K 3426. 1	07-31-01	1200	40 39 52 N	073 51 37 W	<.006	<.006	<.009	<2	<2	<2
K 3430. 1	06-25-01	1023	40 39 41 N	073 57 43 W	<.006	<.006	<.009	<2	<2	<2
QUEENS COUNTY										
Q 273. 1	09-18-01	1430	40 42 57 N	073 49 37 W	<.006	<.006	<.009	--	--	--
Q 277. 1	08-13-01	0945	40 45 19 N	073 44 38 W	--	--	--	<2	<2	<2
Q 470. 1	07-25-01	1110	40 45 41 N	073 45 26 W	<.006	<.006	<.009	M	M	M
Q 471. 1	07-30-01	1200	40 45 41 N	073 45 26 W	<.006	<.006	<.009	<2	<2	<2
Q 1472. 1	07-10-01	0850	40 44 15 N	073 46 56 W	<.006	<.006	<.009	<2	<2	<2
Q 2418. 1	06-14-01	1106	40 45 04 N	073 50 18 W	<.006	<.006	<.009	<2	M	<2
Q 2419. 1	06-14-01	1130	40 45 03 N	073 50 19 W	<.006	<.006	<.009	<2	<2	<2
Q 2420. 1	06-14-01	1115	40 45 03 N	073 50 20 W	<.006	<.006	<.009	<2	<2	<2
Q 2791. 1	09-10-01	1030	40 46 24 N	073 48 35 W	<.006	<.006	<.009	--	--	--
Q 2814. 1	09-10-01	0930	40 45 11 N	073 48 52 W	<.006	<.006	<.009	<2	<2	<2
Q 2978. 1	09-17-01	1100	40 47 03 N	073 48 35 W	<.006	<.006	<.009	<2	<2	<2
Q 3003. 1	07-09-01	0820	40 45 15 N	073 42 31 W	<.006	<.006	<.009	<2	<2	<2
Q 3036. 1	08-16-01	0940	40 43 54 N	073 52 00 W	<.006	<.006	<.009	<2	<2	<2
Q 3112. 1	07-05-01	1103	40 39 39 N	073 47 28 W	<.006	<.006	<.009	<2	<2	<2
Q 3117. 1	07-05-01	1200	40 39 39 N	073 47 28 W	<.006	<.006	<.009	<2	<2	<2
Q 3587. 1	05-29-01	1050	40 41 38 N	073 53 51 W	<.006	<.006	<.009	<2	<2	<2
Q 3589. 1	07-02-01	1100	40 40 26 N	073 47 21 W	<.006	<.006	<.009	<2	<2	<2
Q 3593. 1	07-24-01	1020	40 47 33 N	073 48 29 W	<.006	<.006	<.009	<2	<2	<2
Q 3604. 1	07-24-01	1100	40 47 32 N	073 48 29 W	<.006	<.006	<.009	--	--	--
Q 3627. 1	06-07-01	1030	40 42 39 N	073 49 30 W	.012	E.005	<.009	<2	<2	M
Q 3628. 1	06-07-01	1150	40 42 39 N	073 49 29 W	.007	<.006	<.009	<2	<2	<2
Q 3629. 1	06-07-01	1247	40 42 39 N	073 49 28 W	<.006	<.006	<.009	<2	<2	<2
Q 3649. 1	05-29-01	1107	40 41 38 N	073 53 51 W	<.006	<.006	<.009	<2	<2	<2
Q 3804. 1	05-21-01	1115	40 44 59 N	073 42 24 W	<.006	.007	.009	<2	<2	<2
Q 3806. 1	07-02-01	0915	40 45 39 N	073 46 53 W	<.006	.006	<.009	<2	<2	<2
Q 3810. 1	07-19-01	1120	40 44 11 N	073 49 16 W	<.006	<.006	<.009	<2	<2	<2
Q 3815. 1	09-24-01	1130	40 46 17 N	073 48 32 W	<.006	.059	<.009	<2	<2	<2
Q 3816. 1	09-24-01	1330	40 46 53 N	073 48 53 W	<.006	<.006	<.009	<2	<2	<2
ALLEY POND SPRING	08-23-01	1015	40 45 23 N	073 44 40 W	<.006	<.006	<.009	<2	<2	<2
ALLEY CREEK NEAR OAKLAND GARDENS, NY	06-05-01	1000	40 45 45 N	073 45 05 W	<.006	<.006	<.009	<2	<2	<2
GABBLERS CREEK AT LITTLE NECK, NY	06-05-01	1130	40 46 25 N	073 44 39 W	<.006	<.006	<.009	<2	<2	<2

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BENZO-A-PYRENE TOTAL (UG/L) (34247)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHRY-SENE TOTAL (UG/L) (34320)	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)
						KINGS COUNTY						
K	1265. 2	08-20-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	2510. 1	06-13-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	<3	<3	<3	M	<3	<2	M	M	<3	<2
K	3151. 1	08-13-01	<3	<3	<3	<4	<3	<2	M	M	<3	<2
K	3246. 2	07-10-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3248. 1	07-16-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3251. 1	06-04-01	<3	<3	<3	<4	<3	<2	M	M	<3	<2
K	3255. 2	07-10-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3256. 2	06-13-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3260. 2	08-15-01	<3	<3	<3	<4	<3	M	<2	<2	<3	<2
K	3405. 1	06-11-01	<3	<3	<3	M	<3	<2	<2	<2	<3	<2
K	3406. 1	07-09-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3414. 1	04-30-01	<2	<2	<1	<2	<1	<2	<1	<1	<2	<1
K	3425. 1	07-17-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3426. 1	07-31-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
K	3430. 1	06-25-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
						QUEENS COUNTY						
Q	273. 1	09-18-01	--	--	--	--	--	--	--	--	--	--
Q	277. 1	08-13-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	470. 1	07-25-01	M	M	M	<4	M	<2	M	M	M	M
Q	471. 1	07-30-01	<3	<3	<3	M	<3	<2	<2	<2	<3	<2
Q	1472. 1	07-10-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	2418. 1	06-14-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	2419. 1	06-14-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	2420. 1	06-14-01	<3	<3	<3	<4	<3	<2	M	<2	<3	<2
Q	2791. 1	09-10-01	--	--	--	--	--	--	--	--	--	--
Q	2814. 1	09-10-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	2978. 1	09-17-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3003. 1	07-09-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3036. 1	08-16-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3112. 1	07-05-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3117. 1	07-05-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3587. 1	05-29-01	M	M	<3	M	M	<2	M	<2	<3	<2
Q	3589. 1	07-02-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3593. 1	07-24-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<3	<3	<3	<4	<3	<2	M	<2	<3	<2
Q	3628. 1	06-07-01	<3	<3	<3	<4	<3	<2	M	<2	<3	<2
Q	3629. 1	06-07-01	<3	<3	<3	<4	<3	<2	M	<2	<3	<2
Q	3649. 1	05-29-01	<3	<3	<3	M	<3	<2	<2	<2	<3	<2
Q	3804. 1	05-21-01	<3	<3	<3	<4	<3	M	<2	<2	<3	<2
Q	3806. 1	07-02-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3810. 1	07-19-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3815. 1	09-24-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
Q	3816. 1	09-24-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
ALLEY POND SPRING		08-23-01	<3	<3	<3	<4	<3	<2	<2	<2	<3	<2
ALLEY CREEK		06-05-01	<3	<3	<3	M	<3	<2	M	<2	<3	<2
GABBLERS CREEK		06-05-01	<3	<3	<3	<4	<3	<2	M	<2	<3	<2

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	N-NITRO-SODI-PHENYL-AMINE TOTAL (UG/L) (34433)	PHENAN-THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	BENZO-[GHI]-PERY-LENE TOTAL (UG/L) (34521)	BENZO-[A]-ANTHRA-CENE WAT UNF (UG/L) (34526)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L) (34556)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)
						KINGS COUNTY						
K	1265. 2	08-20-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	2510. 1	06-13-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	<3	<2	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3151. 1	08-13-01	<3	M	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3246. 2	07-10-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3248. 1	07-16-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3251. 1	06-04-01	<3	M	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3255. 2	07-10-01	<3	<2	<2	<3	<2	E1.36	M	<3	E.36	E.72
K	3256. 2	06-13-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3260. 2	08-15-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3405. 1	06-11-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3406. 1	07-09-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3414. 1	04-30-01	<1	<1	<1	<1	<1	<.06	<.4	<1	<.06	<.10
K	3425. 1	07-17-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3426. 1	07-31-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
K	3430. 1	06-25-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
						QUEENS COUNTY						
Q	273. 1	09-18-01	--	--	--	--	--	<.03	<.2	--	<.03	<.05
Q	277. 1	08-13-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	470. 1	07-25-01	<3	M	M	M	M	<2.00	<2.0	M	<2.00	<2.00
Q	471. 1	07-30-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	1472. 1	07-10-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	2418. 1	06-14-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	2419. 1	06-14-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	2420. 1	06-14-01	<3	<2	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	2791. 1	09-10-01	--	--	--	--	--	<.03	<.2	--	<.03	<.05
Q	2814. 1	09-10-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	2978. 1	09-17-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3003. 1	07-09-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	E.10	<2.00
Q	3036. 1	08-16-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3112. 1	07-05-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3117. 1	07-05-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3587. 1	05-29-01	<3	<2	M	<3	M	<2.00	<2.0	<3	<2.00	<2.00
Q	3589. 1	07-02-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3593. 1	07-24-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<3	M	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3628. 1	06-07-01	<3	M	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3629. 1	06-07-01	<3	<2	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3649. 1	05-29-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3804. 1	05-21-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3806. 1	07-02-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3810. 1	07-19-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3815. 1	09-24-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
Q	3816. 1	09-24-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
ALLEY POND SPRING		08-23-01	<3	<2	<2	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
ALLEY CREEK		06-05-01	M	<2	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00
GABBLERS CREEK		06-05-01	<3	<2	M	<3	<2	<2.00	<2.0	<3	<2.00	<2.00

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L) (34596)	PHENOL UNFILT. WATER (UG/L) (34694)	NAPHTH-ALENE TOTAL (UG/L) (34696)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L) (39100)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L) (39110)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)
						KINGS COUNTY						
K	1265. 2	08-20-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	E.05
K	2510. 1	06-13-01	<5	M	<5.0	<20	<3	E.01	<.06	<.06	E.08	<.04
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<5	M	<5.0	<20	<3	E.01	<.06	<.06	<.04	<.04
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	<5	<3	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
K	3151. 1	08-13-01	<5	<3	<5.0	E20	<3	<.03	<.06	<.06	<.04	E.07
K	3246. 2	07-10-01	<5	<3	<5.0	<20	<3	E.05	<.06	<.06	<.04	<.04
K	3248. 1	07-16-01	<5	<3	<5.0	<20	<3	E.02	<.06	<.06	<.04	<.04
K	3251. 1	06-04-01	<5	M	E.3	<20	<3	<.03	<.06	<.06	<.04	<.04
K	3255. 2	07-10-01	<5	<3	<5.0	<20	<3	E.02	<.06	<.06	E.05	E.06
K	3256. 2	06-13-01	<5	M	<5.0	<20	<3	E.06	<.06	<.06	<.04	<.04
K	3260. 2	08-15-01	M	<3	<5.0	E10	M	2.04	.17	<.06	4.32	4.87
K	3405. 1	06-11-01	<5	M	<5.0	M	<3	E.03	<.06	<.06	<.04	<.04
K	3406. 1	07-09-01	<5	<3	<5.0	M	<3	<.03	<.06	<.06	<.04	<.04
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<5	<3	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
K	3414. 1	04-30-01	<1	<2	<.5	<9	<2	<.06	<.12	<.12	<.07	<.08
K	3425. 1	07-17-01	<5	<3	<5.0	<20	<3	E.03	<.06	<.06	<.04	<.04
K	3426. 1	07-31-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
K	3430. 1	06-25-01	<5	<3	<5.0	<20	<3	E.02	<.06	<.06	<.04	<.04
						QUEENS COUNTY						
Q	273. 1	09-18-01	--	--	<.5	--	--	E.04	<.06	<.06	<.04	<.04
Q	277. 1	08-13-01	<5	<3	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	470. 1	07-25-01	<5	M	<5.0	M	<3	<.03	<.06	<.06	<.04	<.04
Q	471. 1	07-30-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	1472. 1	07-10-01	<5	<3	<5.0	<20	<3	<.03	<.06	<.06	E.05	<.04
Q	2418. 1	06-14-01	<5	<3	<5.0	M	M	<.03	<.06	<.06	<.04	<.04
Q	2419. 1	06-14-01	<5	E1	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	2420. 1	06-14-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	2791. 1	09-10-01	--	--	<.5	--	--	<.03	<.06	<.06	<.04	<.04
Q	2814. 1	09-10-01	<5	<3	<5.0	<20	<3	.21	<.06	<.06	<.04	<.04
Q	2978. 1	09-17-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	3003. 1	07-09-01	<5	M	<5.0	M	<3	.16	<.06	10.2	.36	<.04
Q	3036. 1	08-16-01	<5	<3	<5.0	M	<3	<.03	<.06	<.06	<.04	<.04
Q	3112. 1	07-05-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	3117. 1	07-05-01	<5	<3	<5.0	M	<3	<.03	<.06	<.06	<.04	<.04
Q	3587. 1	05-29-01	M	M	<5.0	<20	<3	E.01	<.06	<.06	<.04	<.04
Q	3589. 1	07-02-01	<5	<3	<5.0	M	<3	<.03	<.06	<.06	<.04	<.04
Q	3593. 1	07-24-01	<5	M	<5.0	M	<3	--	--	--	--	--
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	3628. 1	06-07-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	3629. 1	06-07-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
Q	3649. 1	05-29-01	<5	<3	<5.0	<20	<3	E.02	<.06	<.06	<.04	<.04
Q	3804. 1	05-21-01	<5	M	<5.0	<20	<3	E.06	<.06	.27	<.04	<.04
Q	3806. 1	07-02-01	<5	<3	<5.0	<20	<3	.13	<.06	<.06	<.04	<.04
Q	3810. 1	07-19-01	<5	<3	<5.0	<20	<3	E.01	<.06	<.06	<.04	<.04
Q	3815. 1	09-24-01	<5	<3	<5.0	<20	<3	.41	<.06	<.06	<.04	.12
Q	3816. 1	09-24-01	<5	<3	<5.0	<20	<3	E.04	<.06	<.06	<.04	<.04
ALLEY POND SPRING		08-23-01	<5	M	<5.0	<20	<3	<.03	<.06	<.06	<.04	<.04
ALLEY CREEK		06-05-01	<5	M	<5.0	M	<3	E.03	<.06	E.03	<.04	<.04
GABBLERS CREEK		06-05-01	<5	M	<5.0	<20	<3	E.09	<.06	<.06	.17	E.02

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	BENZENE TOTAL (UG/L) (34030)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	BROMO-FORM TOTAL (UG/L) (32104)
						KINGS COUNTY						
K	1265. 2	08-20-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	E.06	<.05	<.06
K	2510. 1	06-13-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3151. 1	08-13-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	.51	<.05	<.06
K	3246. 2	07-10-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3248. 1	07-16-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3251. 1	06-04-01	<.1	<.03	<.03	<.06	<.07	<.4	E1	<.04	<.05	<.06
K	3255. 2	07-10-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	E.02	<.05	<.06
K	3256. 2	06-13-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3260. 2	08-15-01	.3	E.06	<.03	<.06	<.07	<.4	<7	E.07	<.05	<.06
K	3405. 1	06-11-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3406. 1	07-09-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3414. 1	04-30-01	<.3	<.06	<.05	<.12	<.14	<.7	<14	<.07	<.10	<.12
K	3425. 1	07-17-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	E.06	<.06
K	3426. 1	07-31-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
K	3430. 1	06-25-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	E.04	<.06
						QUEENS COUNTY						
Q	273. 1	09-18-01	<.1	<.03	.16	E.07	<.07	3.1	<7	<.04	.90	.27
Q	277. 1	08-13-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	470. 1	07-25-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	471. 1	07-30-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	1472. 1	07-10-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	E.04	<.06
Q	2418. 1	06-14-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	2419. 1	06-14-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	2420. 1	06-14-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	2791. 1	09-10-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	2814. 1	09-10-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	2978. 1	09-17-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3003. 1	07-09-01	.3	E.09	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3036. 1	08-16-01	<.1	<.03	1.17	E.09	<.07	<.4	<7	E.01	<.05	<.06
Q	3112. 1	07-05-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3117. 1	07-05-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3587. 1	05-29-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3589. 1	07-02-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3593. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3628. 1	06-07-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3629. 1	06-07-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3649. 1	05-29-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3804. 1	05-21-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	E.03	<.06
Q	3806. 1	07-02-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3810. 1	07-19-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3815. 1	09-24-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
Q	3816. 1	09-24-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
ALLEY POND SPRING		08-23-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	<.04	<.05	<.06
ALLEY CREEK		06-05-01	<.1	<.03	<.03	<.06	<.07	<.4	<7	E.01	<.05	<.06
GABBLERS CREEK		06-05-01	<.1	<.03	<.03	<.06	E.03	<.4	<7	<.04	<.05	<.06

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHYL-BENZENE TOTAL (UG/L) (34371)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)
KINGS COUNTY												
K	1265. 2	08-20-01	<.07	<.03	.20	24.8	<.2	<.3	<.2	<.1	<.03	<.03
K	2510. 1	06-13-01	<.07	<.03	E.01	<.04	<.2	<.3	<.2	<.1	<.03	<.03
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<.07	<.03	.59	<.04	<.2	<.3	<.2	<.1	<.03	<.03
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	E.03	<.03	E.04	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3151. 1	08-13-01	E.04	<.03	<.02	1.52	<.2	<.3	<.2	<.1	.13	E.01
K	3246. 2	07-10-01	<.07	<.03	6.54	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3248. 1	07-16-01	<.07	<.03	4.50	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3251. 1	06-04-01	E.01	<.03	E.10	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3255. 2	07-10-01	<.07	E.09	E.03	2.81	<.2	<.3	<.2	<.1	<.03	<.03
K	3256. 2	06-13-01	<.07	<.03	14.4	E.01	<.2	<.3	M	<.1	<.03	<.03
K	3260. 2	08-15-01	E.02	<.03	1.82	97.4	<.2	<.3	<.2	<.1	<.03	<.03
K	3405. 1	06-11-01	<.07	<.03	E.06	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3406. 1	07-09-01	<.07	<.03	E.06	<.04	<.2	E.3	<.2	<.1	<.03	<.03
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3414. 1	04-30-01	<.14	<.06	<.05	<.08	<.4	<.5	<.3	<.2	<.06	<.06
K	3425. 1	07-17-01	<.07	<.03	1.98	.99	<.2	E.1	<.2	<.1	<.03	<.03
K	3426. 1	07-31-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
K	3430. 1	06-25-01	<.07	<.03	.55	<.04	<.2	E.1	<.2	<.1	<.03	<.03
QUEENS COUNTY												
Q	273. 1	09-18-01	<.07	<.03	.73	<.04	.8	<.3	<.2	<.1	<.03	<.03
Q	277. 1	08-13-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	470. 1	07-25-01	E.04	<.03	E.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	471. 1	07-30-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	1472. 1	07-10-01	<.07	<.03	.49	.14	<.2	E.6	<.2	<.1	<.03	<.03
Q	2418. 1	06-14-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	2419. 1	06-14-01	<.07	<.03	<.02	<.04	<.2	E3.7	<.2	<.1	<.03	<.03
Q	2420. 1	06-14-01	<.07	<.03	<.02	<.04	<.2	E2.0	<.2	<.1	<.03	<.03
Q	2791. 1	09-10-01	<.07	<.03	.53	<.04	<.2	<.3	E.1	<.1	<.03	<.03
Q	2814. 1	09-10-01	<.07	<.03	.22	1.79	<.2	<.3	<.2	<.1	<.03	<.03
Q	2978. 1	09-17-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	.3	<.03	<.03
Q	3003. 1	07-09-01	<.07	<.03	.44	97.4	<.2	<.3	<.2	<.1	<.03	<.03
Q	3036. 1	08-16-01	E.02	.57	<.02	E.07	<.2	<.3	<.2	<.1	.17	<.03
Q	3112. 1	07-05-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3117. 1	07-05-01	<.07	<.03	<.02	E.06	<.2	<.3	<.2	<.1	<.03	<.03
Q	3587. 1	05-29-01	<.07	<.03	1.33	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3589. 1	07-02-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<1.4	<.03	<.03
Q	3593. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3628. 1	06-07-01	<.07	<.03	<.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3629. 1	06-07-01	<.07	<.03	E.05	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3649. 1	05-29-01	<.07	<.03	2.50	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3804. 1	05-21-01	<.07	<.03	.80	.33	<.2	<.3	<.2	<.1	<.03	<.03
Q	3806. 1	07-02-01	<.07	<.03	.21	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3810. 1	07-19-01	<.07	<.03	1.51	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3815. 1	09-24-01	<.07	<.03	.13	<.04	<.2	<.3	<.2	<.1	<.03	<.03
Q	3816. 1	09-24-01	<.07	<.03	.24	<.04	<.2	<.3	<.2	<.1	<.03	<.03
ALLEY POND SPRING		08-23-01	<.07	<.03	E.02	<.04	<.2	<.3	<.2	<.1	<.03	<.03
ALLEY CREEK		06-05-01	<.07	<.03	.18	<.04	<.2	<.3	<.2	<.1	<.03	<.03
GABBLERS CREEK		06-05-01	<.07	<.03	.17	<.04	<.2	E.3	<.2	<.1	<.03	<.03

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	META/ PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L) (77350)	STYRENE TOTAL (UG/L) (77128)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L) (77353)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)
						KINGS COUNTY						
K	1265. 2	08-20-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	81.5	<.06
K	2510. 1	06-13-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	<.1	<.06
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	E.02
		07-18-01	--	--	--	--	--	--	--	--	--	--
K	3133. 1	07-12-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	.3	<.06
K	3151. 1	08-13-01	E.08	E.03	<.04	<.03	E.04	<.2	<.06	<.1	.1	<.06
K	3246. 2	07-10-01	E.05	<.04	<.04	<.03	<.04	.2	<.06	<.1	.2	<.06
K	3248. 1	07-16-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	.2	<.06
K	3251. 1	06-04-01	<.06	<.04	<.04	<.03	<.04	M	<.06	<.1	<.1	<.06
K	3255. 2	07-10-01	<.06	<.04	<.04	.17	<.04	.9	.26	<.1	.3	<.06
K	3256. 2	06-13-01	<.06	<.04	<.04	<.03	<.04	.6	<.06	<.1	1.3	<.06
K	3260. 2	08-15-01	<.06	<.04	<.04	<.03	<.04	.3	<.06	<.1	24.0	E.03
K	3405. 1	06-11-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
K	3406. 1	07-09-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	<.1	<.06
K	3407. 1	07-18-01	--	--	--	--	--	--	--	--	--	--
K	3410. 1	07-17-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
K	3414. 1	04-30-01	<.12	<.08	<.08	<.06	<.08	<.3	<.12	<.2	<.2	<.12
K	3425. 1	07-17-01	<.06	<.04	<.04	<.03	<.04	.7	<.06	<.1	12.4	.49
K	3426. 1	07-31-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
K	3430. 1	06-25-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	<.1	<.06
						QUEENS COUNTY						
Q	273. 1	09-18-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	<.1	<.06
Q	277. 1	08-13-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	.1	E.03
Q	470. 1	07-25-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	471. 1	07-30-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	1472. 1	07-10-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	2.9	<.06
Q	2418. 1	06-14-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	2419. 1	06-14-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	2420. 1	06-14-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	2791. 1	09-10-01	<.06	<.04	<.04	<.03	<.04	.9	<.06	M	M	<.06
Q	2814. 1	09-10-01	<.06	<.04	<.04	<.03	<.04	.9	<.06	<.1	8.2	<.06
Q	2978. 1	09-17-01	<.06	<.04	<.04	<.03	<.04	.2	<.06	<.1	<.1	<.06
Q	3003. 1	07-09-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	16.9	E.05
Q	3036. 1	08-16-01	1.55	<.04	.45	<.03	<.04	<.2	<.06	<.1	M	<.06
Q	3112. 1	07-05-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	3117. 1	07-05-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	3587. 1	05-29-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	.29
Q	3589. 1	07-02-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	3593. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3604. 1	07-24-01	--	--	--	--	--	--	--	--	--	--
Q	3627. 1	06-07-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	3628. 1	06-07-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	<.06
Q	3629. 1	06-07-01	<.06	<.04	<.04	<.03	<.04	19.0	<.06	<.1	<.1	<.06
Q	3649. 1	05-29-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	.30
Q	3804. 1	05-21-01	<.06	<.04	<.04	<.03	<.04	1.5	<.06	<.1	.5	<.06
Q	3806. 1	07-02-01	<.06	<.04	<.04	<.03	<.04	.3	<.06	<.1	.4	E.04
Q	3810. 1	07-19-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	E.05
Q	3815. 1	09-24-01	<.06	<.04	<.04	<.03	E.01	<.2	<.06	<.1	E.1	.34
Q	3816. 1	09-24-01	<.06	<.04	<.04	<.03	<.04	.3	<.06	<.1	1.3	<.06
ALLEY POND SPRING		08-23-01	<.06	<.04	<.04	<.03	<.04	<.2	<.06	<.1	<.1	E.06
ALLEY CREEK		06-05-01	<.06	<.04	<.04	<.03	<.04	E.1	<.06	<.1	.1	<.06
GABBLERS CREEK		06-05-01	<.06	<.04	<.04	<.03	<.04	13.9	<.06	E.1	1.3	E.01

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	P,P' DDE DISSOLV (UG/L) (34653)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)
						KINGS COUNTY						
K	1265. 2	08-20-01	<.05	.25	25.4	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	2510. 1	06-13-01	<.05	<.03	<.04	<.09	<.1	.896	<.015	E.003	<.003	<.005
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
		07-18-01	--	--	--	--	--	--	<.500	--	--	--
K	3133. 1	07-12-01	.50	<.03	E.08	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3151. 1	08-13-01	.31	E.03	25.4	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3246. 2	07-10-01	E.06	<.03	E.01	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3248. 1	07-16-01	E.09	<.03	<.04	<.09	<.1	<.011	<.500	<.006	<.003	<.005
K	3251. 1	06-04-01	E.02	<.03	<.04	<.09	<.1	E.006	E.006	<.006	<.003	<.005
K	3255. 2	07-10-01	<.05	<.03	1.07	<.09	.2	<.011	<.015	<.006	<.003	<.005
K	3256. 2	06-13-01	<.05	<.03	.37	<.09	<.1	<.011	<.015	E.002	<.003	<.005
K	3260. 2	08-15-01	E.02	.60	83.5	E.06	.2	<.011	<.015	<.006	<.003	<.005
K	3405. 1	06-11-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3406. 1	07-09-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3407. 1	07-18-01	--	--	--	--	--	<.011	<.015	<.006	<.003	<.005
K	3410. 1	07-17-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3414. 1	04-30-01	<.10	<.06	<.08	<.18	<.2	<.011	<.015	<.006	<.003	<.005
K	3425. 1	07-17-01	E.02	<.03	22.0	<.09	<.1	<.011	<.500	<.006	<.003	<.005
K	3426. 1	07-31-01	E.02	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
K	3430. 1	06-25-01	E.03	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
						QUEENS COUNTY						
Q	273. 1	09-18-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	277. 1	08-13-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	470. 1	07-25-01	E.06	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	471. 1	07-30-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	1472. 1	07-10-01	<.05	<.03	E.05	.91	<.1	<.011	<.015	<.006	<.003	<.005
Q	2418. 1	06-14-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	2419. 1	06-14-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	2420. 1	06-14-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	2791. 1	09-10-01	E.01	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	2814. 1	09-10-01	E.03	E.03	.16	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	2978. 1	09-17-01	E.02	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3003. 1	07-09-01	<.05	1.25	31.7	.55	<.1	.175	E.011	<.006	<.003	<.005
Q	3036. 1	08-16-01	3.03	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3112. 1	07-05-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3117. 1	07-05-01	<.05	<.03	.12	<.09	.1	<.011	<.015	<.006	<.003	<.005
Q	3587. 1	05-29-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3589. 1	07-02-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3593. 1	07-24-01	--	--	--	--	--	<.011	<.015	<.006	<.003	<.005
Q	3604. 1	07-24-01	--	--	--	--	--	<.011	<.500	E.005	<.003	<.005
Q	3627. 1	06-07-01	.71	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3628. 1	06-07-01	1.35	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3629. 1	06-07-01	E.01	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3649. 1	05-29-01	<.05	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
Q	3804. 1	05-21-01	<.05	<.03	.38	<.09	<.1	.072	<.015	<.006	<.003	<.005
Q	3806. 1	07-02-01	<.05	<.03	.17	<.09	<.1	<.011	<.015	<.006	<.003	.007
Q	3810. 1	07-19-01	<.05	<.03	<.04	<.09	<.1	<.011	<.500	<.006	<.003	<.005
Q	3815. 1	09-24-01	E.06	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	.066
Q	3816. 1	09-24-01	E.02	<.03	<.04	<.09	<.1	<.011	<.015	<.006	<.003	<.005
ALLEY POND SPRING		08-23-01	E.01	<.03	E.03	<.09	<.1	<.011	<.015	<.006	M	<.005
ALLEY CREEK		06-05-01	E.03	<.03	.65	<.09	<.1	<.011	E.006	<.006	<.003	<.005
GABBLERS CREEK		06-05-01	.24	<.03	E.03	<.09	<.1	<.011	E.004	<.006	<.003	<.005

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENT-I-FIER	DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)
KINGS COUNTY											
K 1265. 2	08-20-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 2510. 1	06-13-01	<.013	<.005	E.010	<.002	<.009	<.016	<.010	<.041	<.03	E.14
	07-10-01	--	--	--	--	--	--	--	--	--	--
K 2582. 1	06-11-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
	07-18-01	<.500	<.500	--	--	--	--	--	<1.0	<.50	--
K 3133. 1	07-12-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3151. 1	08-13-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3246. 2	07-10-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3248. 1	07-16-01	<.500	<.500	<.007	<.002	<.009	<.016	<.010	<1.0	<.50	<.04
K 3251. 1	06-04-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	E.002	<.03	<.04
K 3255. 2	07-10-01	.068	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3256. 2	06-13-01	E.002	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3260. 2	08-15-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3405. 1	06-11-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3406. 1	07-09-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3407. 1	07-18-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3410. 1	07-17-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3414. 1	04-30-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.08	<.07
K 3425. 1	07-17-01	<.500	<.500	<.007	<.002	<.009	<.016	<.010	<1.0	<.50	<.04
K 3426. 1	07-31-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
K 3430. 1	06-25-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
QUEENS COUNTY											
Q 273. 1	09-18-01	<.013	<.005	<.007	.142	<.009	<.016	<.010	<.041	<.03	<.04
Q 277. 1	08-13-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 470. 1	07-25-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 471. 1	07-30-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 1472. 1	07-10-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 2418. 1	06-14-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 2419. 1	06-14-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 2420. 1	06-14-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 2791. 1	09-10-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 2814. 1	09-10-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	E.02	<.04
Q 2978. 1	09-17-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3003. 1	07-09-01	<.013	<.005	<.007	<.002	<.009	E.009	<.010	<.041	E.02	<.04
Q 3036. 1	08-16-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3112. 1	07-05-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3117. 1	07-05-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3587. 1	05-29-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3589. 1	07-02-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3593. 1	07-24-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3604. 1	07-24-01	<.500	<.500	<.007	<.002	<.009	<.016	<.010	<1.0	<.50	<.04
Q 3627. 1	06-07-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3628. 1	06-07-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3629. 1	06-07-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3649. 1	05-29-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3804. 1	05-21-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	E.01
Q 3806. 1	07-02-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3810. 1	07-19-01	<.500	<.500	<.007	<.002	<.009	<.016	<.010	<1.0	<.50	<.04
Q 3815. 1	09-24-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
Q 3816. 1	09-24-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
ALLEY POND SPRING	08-23-01	<.013	<.005	<.007	<.002	E.005	<.016	<.010	<.041	<.03	<.04
ALLEY CREEK	06-05-01	<.013	<.005	<.007	<.002	<.009	<.016	<.010	<.041	<.03	<.04
GABBLERS CREEK	06-05-01	<.013	E.004	<.007	<.002	.009	<.016	.012	<.041	<.03	<.04

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	SIDURON WATER FLTRD REC (UG/L) (38548)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	2,4-D, DIS-SOLVED (UG/L) (39732)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)
						KINGS COUNTY						
K	1265. 2	08-20-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	2510. 1	06-13-01	E.04	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
		07-10-01	--	--	--	--	--	--	--	--	--	--
K	2582. 1	06-11-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
		07-18-01	--	--	--	--	--	--	--	<.500	--	<.500
K	3133. 1	07-12-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3151. 1	08-13-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3246. 2	07-10-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3248. 1	07-16-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.500	<.016	<.500
K	3251. 1	06-04-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	.024	<.016	<.020
K	3255. 2	07-10-01	<.01	<.017	E.04	E.38	<.02	<.01	<.02	<.010	<.016	<.020
K	3256. 2	06-13-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3260. 2	08-15-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3405. 1	06-11-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3406. 1	07-09-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3407. 1	07-18-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3410. 1	07-17-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3414. 1	04-30-01	<.06	<.093	<.02	<.06	<.08	<.08	<.06	<.081	<.103	<.057
K	3425. 1	07-17-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.500	<.016	<.500
K	3426. 1	07-31-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
K	3430. 1	06-25-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
						QUEENS COUNTY						
Q	273. 1	09-18-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	E.008
Q	277. 1	08-13-01	<.01	<.017	<.01	<.03	<.02	<.0011	<.02	E.006	<.016	<.020
Q	470. 1	07-25-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	E.007	<.016	<.020
Q	471. 1	07-30-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	E.007	<.016	<.020
Q	1472. 1	07-10-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	2418. 1	06-14-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	2419. 1	06-14-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	2420. 1	06-14-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	2791. 1	09-10-01	<.01	<.017	E.01	<.03	<.02	<.01	<.02	.010	<.016	<.020
Q	2814. 1	09-10-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	2978. 1	09-17-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3003. 1	07-09-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	E.005	<.020
Q	3036. 1	08-16-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3112. 1	07-05-01	<.01	.038	<.01	<.03	E.01	<.01	<.02	<.010	<.016	<.020
Q	3117. 1	07-05-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3587. 1	05-29-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3589. 1	07-02-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3593. 1	07-24-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3604. 1	07-24-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3627. 1	06-07-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.500	<.016	<.500
Q	3628. 1	06-07-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.006	<.016	<.020
Q	3629. 1	06-07-01	<.01	<.017	<.01	<.03	<.02	<.0026	<.02	<.014	<.016	<.020
Q	3649. 1	05-29-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3804. 1	05-21-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3806. 1	07-02-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3810. 1	07-19-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
Q	3815. 1	09-24-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.500	<.016	<.500
Q	3816. 1	09-24-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
ALLEY POND SPRING		08-23-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	E.004	<.016	<.020
ALLEY CREEK		06-05-01	<.01	<.017	<.01	<.03	<.02	<.01	<.02	<.010	<.016	<.020
GABBLERS CREEK		06-05-01	<.01	E.010	<.01	<.03	<.02	E.01	<.02	<.010	<.016	<.020
			<.01	<.017	<.01	<.03	<.02	<.01	<.02	.062	E.005	<.020

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
Brooklyn and Queens Aquifer Study, Organic Data

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

LOCAL IDENT-I-FIER	DATE	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	TRI-BENURON METHYL WATER FLTRD (UG/L) (61159)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)
KINGS COUNTY						
K 1265. 2	08-20-01	<.017	<.013	<.01	<.0242	<.0250
K 2510. 1	06-13-01	<.017	<.013	<.01	<.0242	<.0250
	07-10-01	--	--	--	--	--
K 2582. 1	06-11-01	<.017	<.013	<.01	<.0242	<.0250
	07-18-01	--	--	--	--	--
K 3133. 1	07-12-01	<.017	<.013	<.01	<.0242	E.0867
K 3151. 1	08-13-01	<.017	<.013	<.01	<.0242	<.0250
K 3246. 2	07-10-01	<.017	<.013	<.01	<.0242	<.0250
K 3248. 1	07-16-01	<.017	<.013	<.01	<.0242	<.0250
K 3251. 1	06-04-01	<.017	<.013	<.01	<.0242	<.0250
K 3255. 2	07-10-01	<.017	<.013	<.01	<.0242	<.0250
K 3256. 2	06-13-01	<.017	<.013	<.01	<.0242	E.0424
K 3260. 2	08-15-01	<.017	<.013	<.01	<.0242	<.0250
K 3405. 1	06-11-01	<.017	<.013	<.01	<.0242	<.0250
K 3406. 1	07-09-01	<.017	<.013	<.01	<.0242	<.0250
K 3407. 1	07-18-01	<.017	<.013	<.01	<.0242	<.0250
K 3410. 1	07-17-01	<.017	<.013	<.01	<.0242	<.0250
K 3414. 1	04-30-01	<.088	<.064	<.07	<.0915	<.1138
K 3425. 1	07-17-01	<.017	<.013	<.01	<.0242	<.0250
K 3426. 1	07-31-01	<.017	<.013	<.01	<.0242	<.0250
K 3430. 1	06-25-01	<.017	<.013	<.01	<.0242	<.0250
QUEENS COUNTY						
Q 273. 1	09-18-01	<.017	<.013	<.01	<.0242	<.0250
Q 277. 1	08-13-01	<.017	<.013	<.01	<.0010	<.0250
Q 470. 1	07-25-01	<.017	<.013	<.01	<.0242	<.0250
Q 471. 1	07-30-01	<.017	<.013	<.01	<.0242	<.0250
Q 1472. 1	07-10-01	<.017	<.013	<.01	<.0242	<.0250
Q 2418. 1	06-14-01	<.017	<.013	<.01	<.0242	<.0250
Q 2419. 1	06-14-01	<.017	<.013	<.01	<.0242	<.0250
Q 2420. 1	06-14-01	<.017	<.013	<.01	<.0242	<.0250
Q 2791. 1	09-10-01	<.017	<.013	<.01	<.0242	<.0250
Q 2814. 1	09-10-01	<.017	<.013	<.01	<.0242	<.0250
Q 2978. 1	09-17-01	<.017	<.013	<.01	<.0242	<.0250
Q 3003. 1	07-09-01	<.017	<.013	<.01	E.0034	<.0250
Q 3036. 1	08-16-01	<.017	<.013	<.01	<.0242	<.0250
Q 3112. 1	07-05-01	<.017	<.013	<.01	<.0242	<.0250
Q 3117. 1	07-05-01	<.017	<.013	<.01	<.0242	<.0250
Q 3587. 1	05-29-01	<.017	<.013	<.01	<.0242	<.0250
Q 3589. 1	07-02-01	<.017	<.013	<.01	<.0242	<.0250
Q 3593. 1	07-24-01	E.004	<.013	<.01	<.0242	<.0250
Q 3604. 1	07-24-01	E.064	E.025	<.01	<.0242	<.0250
Q 3627. 1	06-07-01	<.017	<.013	<.01	<.0242	<.0250
Q 3628. 1	06-07-01	<.017	<.013	<.01	<.0242	<.0250
Q 3629. 1	06-07-01	<.017	<.013	<.01	<.0242	<.0250
Q 3649. 1	05-29-01	<.017	<.013	<.01	<.0242	<.0250
Q 3804. 1	05-21-01	<.017	<.013	--	<.0242	<.0250
Q 3806. 1	07-02-01	<.017	<.013	<.01	<.0242	<.0250
Q 3810. 1	07-19-01	<.017	<.013	<.01	<.0242	<.0250
Q 3815. 1	09-24-01	<.017	<.013	<.01	<.0242	<.0250
Q 3816. 1	09-24-01	<.017	<.013	<.01	<.0242	<.0250
ALLEY POND SPRING	08-23-01	<.017	<.013	<.01	<.0242	<.0250
ALLEY CREEK	06-05-01	E.035	<.013	<.01	<.0242	<.0250
GABBLERS CREEK	06-05-01	E.012	<.013	<.01	<.0242	<.0250

E Estimated value.
M Results reported by memorandum from the National Water Quality Laboratory.

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES
New York State Pesticide Monitoring Program

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	DEPTH OF WELL, TOTAL (FEET) (72008)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	ALPHA BHC DIS-SOLVED (UG/L) (34253)
					NASSAU COUNTY						
N	14. 1	10-03-00	1017	40 44 11 N	073 41 37 W	103.	<.011	<.015	<.006	<.018	<.005
N	570. 1	10-24-00	0930	40 49 19 N	073 29 31 W	600.	<.011	<.015	<.006	<.018	<.005
N	1348. 4	10-10-00	1058	40 38 50 N	073 42 41 W	148.	<.011	<.015	<.006	<.018	<.005
N	1802. 2	10-25-00	1020	40 45 12 N	073 42 10 W	703.	<.011	<.015	<.006	<.018	<.005
N	1870. 1	11-16-00	1000	40 48 11 N	073 39 12 W	260.	.028	<.015	E.005	<.018	<.005
N	2414. 2	02-28-01	0945	40 41 24 N	073 42 10 W	89.	<.011	<.015	<.006	<.018	<.005
N	3523. 2	10-25-00	1000	40 48 14 N	073 41 12 W	326.	<.011	<.015	<.006	<.018	<.005
N	3704. 1	10-10-00	0927	40 41 32 N	073 38 34 W	159.	.160	<.015	E.064	<.018	<.005
N	4602. 1	11-28-00	0845	40 41 54 N	073 27 20 W	450.	<.011	<.015	<.006	<.018	<.005
N	5155. 1	10-03-00	1045	40 42 38 N	073 42 03 W	90.	.047	<.015	E.003	<.018	<.005
N	5762. 2	10-11-00	0939	40 51 29 N	073 36 15 W	283.	<.011	E.002	E.003	<.018	<.005
N	6093. 1	10-24-00	0945	40 49 08 N	073 27 51 W	612.	<.011	<.015	<.006	<.018	<.005
N	6192. 2	11-28-00	1130	40 45 17 N	073 31 02 W	632.	<.011	<.015	<.006	<.018	<.005
N	6744. 1	02-28-01	0845	40 42 38 N	073 42 05 W	94.	.033	<.015	E.002	<.018	<.005
N	7552. 1	02-16-01	0815	40 46 49 N	073 39 44 W	458.	E.009	<.015	<.006	<.018	<.005
N	7747. 1	10-25-00	0935	40 47 36 N	073 42 42 W	138.	<.011	<.015	<.006	<.018	<.005
N	8010. 1	11-16-00	1030	40 47 39 N	073 39 21 W	453.	<.011	<.015	<.006	<.018	<.005
N	9211. 1	10-11-00	0913	40 52 05 N	073 36 34 W	269.	E.002	<.015	E.030	<.018	<.005
N	9663. 1	11-01-00	0945	40 40 16 N	073 37 19 W	50.	<.011	<.015	E.010	<.018	<.005
N	9667. 1	10-30-00	1150	40 43 20 N	073 30 56 W	55.	.022	<.015	<.006	<.018	<.005
N	9712. 1	11-13-00	1245	40 46 20 N	073 38 34 W	154.	<.011	<.015	<.006	<.018	<.005
		*11-13-00	1246	40 46 20 N	073 38 34 W	154.	<.011	<.015	<.006	<.018	<.005
N	9930. 1	10-30-00	1100	40 43 45 N	073 27 31 W	46.	<.011	<.015	<.006	<.018	<.005
N	12252. 1	11-01-00	1045	40 41 49 N	073 38 32 W	55.	.152	E.001	E.062	<.018	<.005
					SUFFOLK COUNTY						
S	1806. 3	10-03-00	0810	40 44 42 N	073 24 05 W	45.	.012	<.015	E.003	<.018	<.005
S	1807. 6	03-28-01	1040	40 43 19 N	073 18 47 W	--	E.010	<.015	<.006	<.018	<.005
S	1808. 5	03-28-01	0925	40 42 21 N	073 16 49 W	--	<.011	<.015	<.006	<.018	<.005
		*03-28-01	0935	40 42 21 N	073 16 49 W	--	--	--	<.087	--	--
S	3955. 4	03-28-01	1155	40 53 43 N	073 05 50 W	80.	<.011	<.015	<.006	<.018	<.005
S	11810. 1	10-17-00	1000	40 50 46 N	073 12 02 W	164.	<.011	<.015	<.006	<.018	<.005
S	14710. 1	10-05-00	1130	40 45 53 N	072 56 18 W	116.	E.005	<.015	<.006	<.018	<.005
S	16497. 1	10-12-00	1045	41 03 36 N	071 54 36 W	73	<.011	<.015	<.006	<.018	<.005
S	30088. 1	10-31-00	0940	40 56 55 N	072 59 02 W	283.	<.011	<.015	<.006	<.018	E.003
S	40497. 1	10-05-00	0900	40 46 04 N	073 17 52 W	283.	<.011	<.015	<.006	<.018	<.005
S	42681. 2	03-26-01	1145	40 53 54 N	073 19 48 W	80.	<.011	.069	E.011	<.018	<.005
S	45208. 1	10-02-00	1020	40 50 05 N	073 23 37 W	137.	<.011	<.015	E.002	<.018	<.005
S	51953. 1	10-31-00	1040	40 56 07 N	073 02 13 W	316.	<.011	<.015	<.006	<.018	<.005
S	52943. 1	10-26-00	0930	40 45 58 N	072 52 10 W	310.	<.011	<.015	<.006	<.018	<.005
S	65602. 1	03-26-01	0935	40 50 30 N	073 18 06 W	96.	<.011	<.015	<.006	<.018	<.005
S	74489. 1	03-12-01	1230	40 44 02 N	073 19 40 W	--	<.011	.323	<.006	<.018	<.005
S	96673. 1	10-17-00	1300	40 49 41 N	072 37 20 W	108	E.002	<.015	<.006	<.018	<.005
S	103522. 1	10-11-00	1100	41 02 52 N	072 27 48 W	125	<.011	<.015	<.006	<.018	<.005
S	109146. 1	10-17-00	1140	40 44 25 N	073 07 34 W	130	<.011	<.015	<.006	<.018	<.005
S	112329. 3	10-12-00	1215	40 55 35 N	072 20 00 W	--	<.011	.215	E.009	<.018	<.005
S	112499. 1	10-02-00	1200	40 49 53 N	073 17 05 W	140	E20.1	<.015	E.004	<.018	<.005
S	116910. 1	12-18-00	1020	40 45 13 N	073 00 34 W	15	<.011	E.008	<.006	<.018	<.005
		*12-18-00	1021	40 45 13 N	073 00 34 W	15	--	--	<.087	--	--
S	116913. 1	02-07-01	1025	40 44 00 N	073 04 38 W	15	E.006	E.005	<.006	<.018	<.005
		*02-07-01	1035	40 44 00 N	073 04 38 W	15	--	--	<.087	--	--
S	116915. 1	12-13-00	0920	40 53 40 N	073 23 20 W	130	E.004	<.015	E.003	<.018	<.005
		*12-13-00	0921	40 53 40 N	073 23 20 W	130	--	--	<.087	--	--
S	117003. 1	02-01-01	1145	40 45 21 N	072 56 12 W	25	<.011	.073	E.012	<.018	<.005
		*02-01-01	1155	40 45 21 N	072 56 12 W	25	--	--	<.087	--	--
S	117388. 1	11-20-00	1115	40 50 27 N	072 46 38 W	110	<.011	<.015	<.006	<.018	<.005
S	117430. 1	12-04-00	1120	41 02 42 N	071 56 06 W	90	<.011	<.015	<.006	<.018	<.005
S	117963. 1	03-23-01	1259	40 48 57 N	073 02 35 W	70	<.011	<.015	<.006	<.018	<.005
		*03-23-01	1300	40 48 57 N	073 02 35 W	70	--	--	<.087	--	--
		03-23-01	1309	40 48 57 N	073 02 35 W	70	<.011	<.015	<.006	<.018	<.005
		*03-23-01	1310	40 48 57 N	073 02 35 W	70	--	--	<.087	--	--

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
New York State Pesticide Monitoring Program

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
						NASSAU COUNTY						
N	14. 1	10-03-00	E.001	<.005	<.004	.087	<.013	<.005	<.007	<.002	<.009	<.002
N	570. 1	10-24-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	1348. 4	10-10-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	1802. 2	10-25-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	1870. 1	11-16-00	<.003	<.005	<.004	<.005	<.013	<.005	.021	<.002	<.009	<.002
N	2414. 2	02-28-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	3523. 2	10-25-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	3704. 1	10-10-00	<.003	<.005	<.004	.017	E.002	<.005	.986	<.002	<.009	<.002
N	4602. 1	11-28-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	5155. 1	10-03-00	<.003	<.005	<.004	.049	<.013	<.005	.014	<.002	<.009	<.002
N	5762. 2	10-11-00	<.003	<.005	<.004	E.004	M	<.005	<.007	<.002	<.009	<.002
N	6093. 1	10-24-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	6192. 2	11-28-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	6744. 1	02-28-01	<.003	<.005	<.004	.043	<.013	<.005	.011	<.002	<.009	<.002
N	7552. 1	02-16-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	7747. 1	10-25-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	8010. 1	11-16-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
N	9211. 1	10-11-00	E.001	<.005	<.004	E.003	<.013	<.005	.042	<.002	<.009	<.002
N	9663. 1	11-01-00	<.003	<.005	<.004	.331	<.013	<.005	.405	<.002	<.009	<.002
N	9667. 1	10-30-00	<.003	<.005	<.004	.426	<.013	<.005	<.007	<.002	<.009	<.002
N	9712. 1	11-13-00	<.003	<.005	<.004	.118	<.013	<.005	<.007	<.002	<.009	<.002
		11-13-00	*<.003*	*<.005*	*<.004*	*.120*	*<.013*	*<.005*	*<.007*	*<.002*	*<.009*	*<.002*
N	9930. 1	10-30-00	<.003	<.005	<.004	.048	<.013	<.005	.366	<.002	<.009	<.002
N	12252. 1	11-01-00	<.003	<.005	<.004	1.02	E.003	<.005	.859	<.002	<.009	<.002
						SUFFOLK COUNTY						
S	1806. 3	10-03-00	E.002	<.005	<.004	E.005	E.007	<.005	E.004	<.002	E.001	E.003
S	1807. 6	03-28-01	E.001	<.005	<.004	.124	<.013	<.005	<.007	<.002	<.009	<.002
S	1808. 5	03-28-01	<.004	.007	<.004	<.005	E.005	<.005	<.007	<.002	<.009	<.002
		03-28-01	--	--	--	--	--	--	*<.074*	--	--	--
S	3955. 4	03-28-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	11810. 1	10-17-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	14710. 1	10-05-00	<.003	<.005	<.004	.006	<.013	<.005	E.004	<.002	<.009	<.002
S	16497. 1	10-12-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	30088. 1	10-31-00	<.003	<.005	.008	.007	<.013	<.005	<.007	<.002	<.009	<.002
S	40497. 1	10-05-00	E.002	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	42681. 2	03-26-01	<.003	<.005	<.004	<.005	E.002	.010	.011	<.002	<.009	<.002
S	45208. 1	10-02-00	<.003	<.005	<.004	.242	<.013	<.005	<.007	<.002	<.009	E.002
S	51953. 1	10-31-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	.686	<.009	<.002
S	52943. 1	10-26-00	<.003	<.005	<.004	<.005	E.009	<.005	<.007	<.002	<.009	<.002
S	65602. 1	03-26-01	<.003	<.005	<.004	.038	<.013	<.005	<.007	<.002	<.009	<.002
S	74489. 1	03-12-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	96673. 1	10-17-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	103522. 1	10-11-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	109146. 1	10-17-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	112329. 3	10-12-00	.004	<.005	<.004	<.005	1.17	<.005	.033	.005	<.009	<.002
S	112499. 1	10-02-00	<.003	<.005	<.004	<.005	<.013	<.005	.151	<.002	<.009	.005
S	116910. 1	12-18-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
		12-18-00	--	--	--	--	--	--	*<.074*	--	--	--
S	116913. 1	02-07-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
		02-07-01	--	--	--	--	--	--	*<.074*	--	--	--
S	116915. 1	12-13-00	<.003	<.005	<.004	<.005	<.013	<.005	E.002	<.002	<.009	<.002
		12-13-00	--	--	--	--	--	--	*<.074*	--	--	--
S	117003. 1	02-01-01	<.003	<.005	<.004	<.005	<.013	<.005	.012	<.002	<.009	<.002
		02-01-01	--	--	--	--	--	--	*<.074*	--	--	--
S	117388. 1	11-20-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	117430. 1	12-04-00	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
S	117963. 1	03-23-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
		03-23-01	--	--	--	--	--	--	*<.074*	--	--	--
		03-23-01	<.003	<.005	<.004	<.005	<.013	<.005	<.007	<.002	<.009	<.002
		03-23-01	--	--	--	--	--	--	*<.074*	--	--	--

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
New York State Pesticide Monitoring Program

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)
						NASSAU COUNTY						
N	14. 1	10-03-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	570. 1	10-24-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	1348. 4	10-10-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	1802. 2	10-25-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	1870. 1	11-16-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	2414. 2	02-28-01	<.016	<.020	<.041	--	--	--	--	--	--	--
N	3523. 2	10-25-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	3704. 1	10-10-00	.256	<.020	<.041	--	--	--	--	--	--	--
N	4602. 1	11-28-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	5155. 1	10-03-00	E.013	<.020	<.041	--	--	--	--	--	--	--
N	5762. 2	10-11-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	6093. 1	10-24-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	6192. 2	11-28-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	6744. 1	02-28-01	<.016	<.020	<.041	--	--	--	--	--	--	--
N	7552. 1	02-16-01	<.016	<.020	<.041	--	--	--	--	--	--	--
N	7747. 1	10-25-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	8010. 1	11-16-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	9211. 1	10-11-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	9663. 1	11-01-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	9667. 1	10-30-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	9712. 1	11-13-00	<.016	<.020	<.041	--	--	--	--	--	--	--
		11-13-00	*<.016*	*<.020*	*<.041*	--	--	--	--	--	--	--
N	9930. 1	10-30-00	<.016	<.020	<.041	--	--	--	--	--	--	--
N	12252. 1	11-01-00	<.016	<.020	<.041	--	--	--	--	--	--	--
						SUFFOLK COUNTY						
S	1806. 3	10-03-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	1807. 6	03-28-01	<.016	<.020	<.041	--	--	--	--	--	--	--
S	1808. 5	03-28-01	<.016	<.020	<.041	--	--	--	--	--	--	--
		03-28-01	*<.077*	--	--	*<.07*	*<.06*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
S	3955. 4	03-28-01	<.016	<.020	<.041	--	--	--	--	--	--	--
S	11810. 1	10-17-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	14710. 1	10-05-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	16497. 1	10-12-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	30088. 1	10-31-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	40497. 1	10-05-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	42681. 2	03-26-01	<.016	<.020	E.015	--	--	--	--	--	--	--
S	45208. 1	10-02-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	51953. 1	10-31-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	52943. 1	10-26-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	65602. 1	03-26-01	<.016	<.020	<.041	--	--	--	--	--	--	--
S	74489. 1	03-12-01	<.016	<.020	<.041	--	--	--	--	--	--	--
S	96673. 1	10-17-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	103522. 1	10-11-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	109146. 1	10-17-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	112329. 3	10-12-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	112499. 1	10-02-00	1.96	<.020	<.041	--	--	--	--	--	--	--
S	116910. 1	12-18-00	<.016	<.020	<.041	--	--	--	--	--	--	--
		12-18-00	*<.077*	--	--	*<.07*	*<.06*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
S	116913. 1	02-07-01	<.016	<.020	<.041	--	--	--	--	--	--	--
		02-07-01	*<.077*	--	--	*<.07*	*<.06*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
S	116915. 1	12-13-00	<.016	<.020	<.041	--	--	--	--	--	--	--
		12-13-00	*<.077*	--	--	*E.01*	*<.06*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
S	117003. 1	02-01-01	<.016	<.020	<.041	--	--	--	--	--	--	--
		02-01-01	*<.077*	--	--	*<.07*	*<.06*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
S	117388. 1	11-20-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	117430. 1	12-04-00	<.016	<.020	<.041	--	--	--	--	--	--	--
S	117963. 1	03-23-01	<.016	<.020	<.041	--	--	--	--	--	--	--
		03-23-01	*<.077*	--	--	*<.07*	*E.01*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*
		03-23-01	<.016	<.020	<.041	--	--	--	--	--	--	--
		03-23-01	*<.077*	--	--	*<.07*	*E.01*	*<.093*	*<.02*	*<.08*	*<.06*	*<.16*

ANALYSIS OF SAMPLES COLLECTED AT WATER-QUALITY MISCELLANEOUS SITES--Continued
New York State Pesticide Monitoring Program

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

	LOCAL IDENT-I-FIER	DATE	ALDICARB SULFOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	SULFOMETURON METHYL WTR FLT REC (UG/L) (50337)	METALAXYL WATER FLTRD REC (UG/L) (50359)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)	METALAXYL WATER FLTRD REC (UG/L) (61596)	2,5-DICHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	ANILINE 3,4-DICHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DICHLORO WATER FLTRD REC (UG/L) (61627)	BENZOPHENONE 4,4-DICHLORO WAT FLT REC (UG/L) (61631)	CISCARBOXYATE WATER FLTRD REC (UG/L) (79842)
NASSAU COUNTY												
N	14. 1	10-03-00	--	--	--	--	--	--	--	--	--	--
N	570. 1	10-24-00	--	--	--	--	--	--	--	--	--	--
N	1348. 4	10-10-00	--	--	--	--	--	--	--	--	--	--
N	1802. 2	10-25-00	--	--	--	--	--	--	--	--	--	--
N	1870. 1	11-16-00	--	--	--	--	--	--	--	--	--	--
N	2414. 2	02-28-01	--	--	--	--	--	--	--	--	--	--
N	3523. 2	10-25-00	--	--	--	--	--	--	--	--	--	--
N	3704. 1	10-10-00	--	--	--	--	--	--	--	--	--	--
N	4602. 1	11-28-00	--	--	--	--	--	--	--	--	--	--
N	5155. 1	10-03-00	--	--	--	--	--	--	--	--	--	--
N	5762. 2	10-11-00	--	--	--	--	--	--	--	--	--	--
N	6093. 1	10-24-00	--	--	--	--	--	--	--	--	--	--
N	6192. 2	11-28-00	--	--	--	--	--	--	--	--	--	--
N	6744. 1	02-28-01	--	--	--	--	--	--	--	--	--	--
N	7552. 1	02-16-01	--	--	--	--	--	--	--	--	--	--
N	7747. 1	10-25-00	--	--	--	--	--	--	--	--	--	--
N	8010. 1	11-16-00	--	--	--	--	--	--	--	--	--	--
N	9211. 1	10-11-00	--	--	--	--	--	--	--	--	--	--
N	9663. 1	11-01-00	--	--	--	--	--	--	--	--	--	--
N	9667. 1	10-30-00	--	--	--	--	--	--	--	--	--	--
N	9712. 1	11-13-00	--	--	--	--	--	--	--	--	--	--
		11-13-00	--	--	--	--	--	--	--	--	--	--
N	9930. 1	10-30-00	--	--	--	--	--	--	--	--	--	--
N	12252. 1	11-01-00	--	--	--	--	--	--	--	--	--	--
SUFFOLK COUNTY												
S	1806. 3	10-03-00	--	--	--	--	--	--	--	--	--	--
S	1807. 6	03-28-01	--	--	--	--	--	--	--	--	--	--
S	1808. 5	03-28-01	--	--	--	--	--	--	--	--	--	--
		03-28-01	*<.03*	*<.039*	*<.057*	*<.0915*	--	--	--	--	--	--
S	3955. 4	03-28-01	--	--	--	--	--	--	--	--	--	--
S	11810. 1	10-17-00	--	--	--	--	--	--	--	--	--	--
S	14710. 1	10-05-00	--	--	--	--	--	--	--	--	--	--
S	16497. 1	10-12-00	--	--	--	--	--	--	--	--	--	--
S	30088. 1	10-31-00	--	--	--	--	--	--	--	--	--	--
S	40497. 1	10-05-00	--	--	--	--	--	--	--	--	--	--
S	42681. 2	03-26-01	--	--	--	--	--	--	--	--	--	--
S	45208. 1	10-02-00	--	--	--	--	--	--	--	--	--	--
S	51953. 1	10-31-00	--	--	--	--	--	--	--	--	--	--
S	52943. 1	10-26-00	--	--	--	--	--	--	--	--	--	--
S	65602. 1	03-26-01	--	--	--	--	--	--	--	--	--	--
S	74489. 1	03-12-01	--	--	--	--	--	--	--	--	--	--
S	96673. 1	10-17-00	--	--	--	--	--	--	--	--	--	--
S	103522. 1	10-11-00	--	--	--	--	--	--	--	--	--	--
S	109146. 1	10-17-00	--	--	--	--	--	--	--	--	--	--
S	112329. 3	10-12-00	--	--	--	--	--	--	--	--	--	--
S	112499. 1	10-02-00	--	--	--	--	--	--	--	--	--	--
S	116910. 1	12-18-00	--	--	--	--	--	--	--	--	--	--
		12-18-00	*<.03*	*E.012*	*<.057*	*<.0915*	*<.0160*	*<.0050*	*.2120*	*<.0050*	*E.0017*	*<.0160*
S	116913. 1	02-07-01	--	--	--	--	--	--	--	--	--	--
		02-07-01	*<.03*	*<.039*	*<.057*	*<.0915*	*<.0051*	*<.0261*	*<.0045*	*<.0047*	*<.0034*	*<.0393*
S	116915. 1	12-13-00	--	--	--	--	--	--	--	--	--	--
		12-13-00	*<.03*	*<.039*	*<.057*	*<.0915*	*E.0030*	*<.0050*	*<.0080*	*<.0050*	*<.0080*	*<.0160*
S	117003. 1	02-01-01	--	--	--	--	--	--	--	--	--	--
		02-01-01	*<.03*	*<.039*	*<.057*	*<.0915*	*<.0051*	*<.0261*	*.0271*	*<.0047*	*<.0150*	*<.0393*
S	117388. 1	11-20-00	--	--	--	--	--	--	--	--	--	--
S	117430. 1	12-04-00	--	--	--	--	--	--	--	--	--	--
S	117963. 1	03-23-01	--	--	--	--	--	--	--	--	--	--
		03-23-01	*<.03*	*<.039*	*E.005*	*E.0092*	*<.0051*	*E.0037*	*.0115*	*<.0047*	*<.0034*	*E.0035*
		03-23-01	--	--	--	--	--	--	--	--	--	--
		03-23-01	*<.03*	*<.039*	*E.005*	*E.0093*	*<.0051*	*E.0032*	*.0108*	*E.0010*	*<.0034*	*E.0040*

* Italicized data are quality assurance sequential replicate samples of preceding environmental data.
E Estimated value.
M Results reported by memorandum from the National Water Quality Laboratory.

Statewide Pesticide Monitoring Project

In June, 1997, the New York State Department of Environmental Conservation and the U.S. Geological Survey (USGS) began a cooperative effort to monitor pesticides in order to assess the presence and distribution of pesticides and their residues in the waters of the State. The initial monitoring effort included a statewide survey of pesticide concentrations in surface water, particularly in areas where pesticides are used and areas where surface water provides water supply. In the 2001 water year, water samples were collected from 9 public-water-supply intake sites, 15 stream sites, and 3 community-water-system well sites in western New York State and analyzed for as many as 180 pesticides or pesticide degradates. Samples were analyzed for pesticide compounds using the USGS National Water Quality Laboratory (NWQL) SH2001/2010 method (Zaugg and others, 1995), NWQL SH2002 method (Sandstrom and others, 2001), NWQL SH2060 method (Furlong and others, 2001), and the Kansas District Organic Geochemistry Laboratory LCAA method (Lee and others, 2001). The pesticide schedules include selected pesticides and metabolites that are efficiently partitioned from a water sample by solid-phase extraction and are sufficiently volatile and thermally stable for analysis by gas and liquid chromatography. Results are also reported for the determination of caffeine, although not a pesticide, as part of the SH2060 analyses. Samples were filtered through a glass-fiber membrane filter with openings that are 0.7 microns in size to remove sediment and microorganisms. Therefore, all results are for compounds dissolved in water.

The sites shown in figures 11-13 were sampled as part of the state-wide monitoring project for pesticides. The sampling network included sites in eastern New York excluding Long Island (vol. 1) and Long Island (vol. 2), as well as those reported herein for western New York (vol. 3). Pesticide data from other sites located in eastern New York and Long Island are published in their respective volumes.

Laboratory Reporting Levels

The data tables list the pesticides analyzed for, the unit of measure (micrograms per liter, ug/L), the USGS National Water Information System parameter code, and the reported values for concentration or Laboratory Reporting Levels (LRL). The LRL may vary for particular pesticide compounds; it provides an quantitative index that indicates uncertainty in the measurement of low concentrations. When an analyte is detected and all criteria for a positive result are met, the concentration is reported. If the concentration is quantified but is less than the LRL, 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 NWQL will identify the result with an 'E' code even though the measured value is greater than the LRL. An estimated 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 LRL preceded by a less-than sign (<).

References Cited

Furlong, E.T., Anderson, B.D., Werner, S.L., Soliven, P.P., Coffey, L.J., and Burkhardt, M.R., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-Determination of pesticides in water by graphitized carbon-based solid-phase extraction and high-performance liquid chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-4134, 73 p.

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Sandstrom, M.W., Stroppel, M.E., Foreman, W.T., and Schroeder, M.P., 2001, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory-Determination of moderate-use pesticides and selected degradates in water by C-18 solid-phase extraction and gas chromatography/mass spectrometry: U.S. Geological Survey Water-Resources Investigations Report 01-04098, 70 p.

Zaugg, S.D., Sandstrom, M.W., Smith, S.G., and Fehlberg, K.M., 1995, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory - Determination of pesticides in water by C-18 solid-phase extraction and capillary-column gas chromatography with selective-ion monitoring: U.S. Geological Survey Open-File Report 95-181, 49 p.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Statewide Pesticide Monitoring Project
Survey of Pesticides and their Degradates in Streams of New York State

Water samples were collected from 22 streams in New York State during base-flow conditions in June 2001 (fig. 10), and were analyzed for over 180 pesticides and pesticide degradates. The streams were located within watersheds that included significant amounts of (1) field crop, (2) orchard/vineyard, or (3) urban land. The study utilized the USGS SH2001/2010 and LCAA analytical methods, which have been widely used in previous USGS studies; it also included the relatively new SH2002 and SH2060 analytical methods, which include insecticides, fungicides, and pesticide degradates that have not been previously analyzed for in studies of surface-water quality in New York State. Concentrations did not exceed Federal or State maximum contaminant levels (MCLs) for drinking water for any compound.

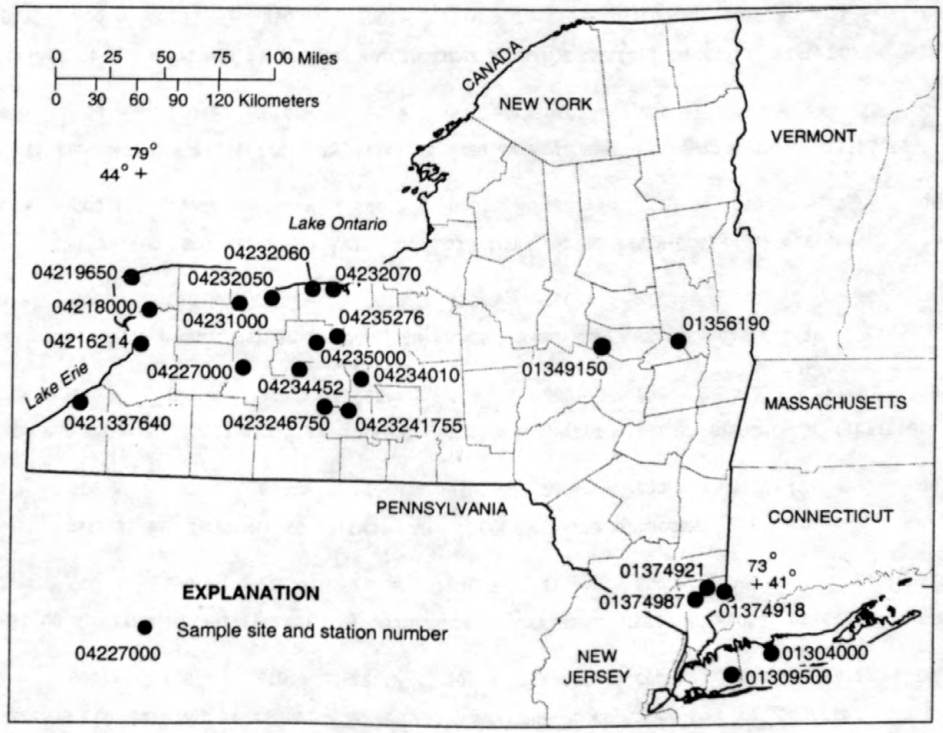

Figure 9. -- Location of stream sites that were sampled in New York State for pesticide analysis in June 2001.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	0910	42	<.010	<.002	<.011	E.007	<.006	<.018	<.003	<.005	<.003	<.005	<.004
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	1110	1.8	<.010	<.002	E.007	E.006	<.006	<.018	<.003	<.005	<.003	<.005	<.004
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	0950	9.7	<.010	<.002	.177	<.015	E.038	<.018	<.003	<.005	<.003	<.005	<.004
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	1500	3.3	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005	<.004
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	1640	16	<.010	<.002	.090	<.015	<.006	<.018	<.003	<.005	<.003	<.005	<.004
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	1330	2.4	<.010	<.002	<.011	.028	<.006	<.018	<.003	<.005	<.003	<.005	<.004
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	1530	25	<.010	<.002	<.011	E.010	<.006	<.018	<.003	<.005	<.003	<.005	<.004
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	1400	.18	<.010	<.002	.092	<.015	<.006	<.018	<.003	<.005	<.003	<.005	<.004
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	1100	--	<.010	<.002	<.011	.016	E.021	<.018	<.003	<.005	<.003	<.005	<.004
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	1830	98	<.010	<.002	<.011	E.007	E.027	<.018	<.003	<.005	<.003	<.005	<.004
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	0900	1.7	<.010	<.002	E.008	E.009	E.027	<.018	<.003	<.005	<.003	<.005	<.004
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	1000	89	<.010	<.002	<.011	<.015	E.018	<.018	<.003	<.005	<.003	<.005	<.004
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	1600	20	<.010	<.002	.056	.059	E.035	<.018	<.003	<.005	<.003	<.005	<.004
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	0800	4.2	<.010	<.002	<.011	E.013	E.018	<.018	<.003	<.005	<.003	<.005	<.004

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.005	<.013	<.027	<.007	.012	<.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	.029	<.013	<.027	<.007	.008	E.004	<.002	<.004	<.006	<.002	E.005	<.009	<.011
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.005	.223	<.027	<.007	<.005	.389	<.002	<.004	<.006	<.002	<.009	<.009	<.011
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.005	<.013	<.027	<.007	.025	E.006	<.002	<.004	<.006	<.002	<.009	<.009	<.011
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.005	<.013	<.027	<.007	.023	<.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.005	<.013	<.027	<.007	.006	<.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.005	E.007	<.027	<.007	<.005	.029	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.005	.062	<.027	<.007	<.005	.143	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.005	.018	<.027	<.007	<.005	.061	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.005	.017	<.027	<.007	<.005	.075	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.005	.037	<.027	<.007	<.005	.170	.016	<.004	<.006	<.002	<.009	<.009	<.011
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.005	.021	<.027	<.007	.014	.041	<.002	<.004	<.006	<.002	<.009	<.009	<.011

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.034	<.035	<.006	.004	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.034	<.035	<.006	.026	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.034	<.035	<.006	.011	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.002	<.011	E.002	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.002	<.011	E.005	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.002	<.011	E.004	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.002	<.011	E.017	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.08
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.002	<.011	<.041	<.005	.009	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.06
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.07
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.10
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.002	<.011	E.006	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DIMETH-ENAMID OXA, WATER FLT, REC (UG/L) (62482)	FLUFE-NACET OXA WATER FLT, REC (UG/L) (62483)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)						
JUN 26...	<.05	<.05	<.05	<.05	<.05	<.05
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)						
JUN 26...	<.05	<.05	<.05	<.05	<.05	<.05
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)						
JUN 28...	<.05	<.05	<.05	--	.44	.11
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)						
JUN 26...	<.05	<.05	<.05	--	<.05	<.05
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)						
JUN 27...	<.05	<.05	<.05	<.05	<.05	<.05
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)						
JUN 27...	<.05	<.05	<.05	<.05	<.05	<.05
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)						
JUN 27...	<.05	<.05	<.05	<.05	<.05	<.05
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)						
JUN 28...	<.05	<.05	<.05	<.05	<.05	<.05
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)						
JUN 28...	<.05	<.05	<.05	<.05	.05	<.05
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)						
JUN 27...	<.05	<.05	<.05	<.05	.31	.10
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)						
JUN 28...	<.05	<.05	<.05	<.05	.16	.05
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)						
JUN 25...	<.05	<.05	<.05	<.05	.26	.09
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)						
JUN 27...	<.05	<.05	<.05	<.05	.44	.11
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)						
JUN 26...	<.05	<.05	<.05	<.05	.09	<.05

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	1130	1.4	<.010	<.002	.318	E.008	E.026	<.018	<.003	<.005	<.003	<.005	<.004
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	0930	4.8	<.010	<.002	.030	<.015	E.010	<.018	<.003	<.005	<.003	<.005	<.004
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	0730	.90	<.010	<.002	.223	<.015	E.007	<.018	<.003	<.005	<.003	<.005	<.004
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	1430	.05	<.010	<.002	.275	<.015	E.008	<.018	<.003	<.005	<.003	<.005	<.004
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	1130	9.6	<.010	<.002	<.011	<.015	E.246	<.018	<.003	<.005	<.003	<.005	<.004
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	1330	.01	<.010	<.002	<.011	<.015	E.006	<.018	<.003	<.005	<.003	<.005	<.004
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	0730	52	<.010	<.002	.019	<.015	E.061	<.018	<.003	<.005	<.003	<.005	<.004
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	0830	5.6	<.010	<.002	<.011	<.015	E.476	<.018	<.003	<.005	<.003	<.005	<.004

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.005	.021	<.027	<.007	<.005	.065	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.005	.086	<.027	<.007	<.005	.022	<.002	<.004	<.006	<.002	<.009	<.009	<.011
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.005	<.013	<.027	<.007	<.005	.011	<.002	<.004	<.006	<.002	<.009	<.009	<.011
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.005	<.013	<.027	<.007	<.005	.009	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.005	.763	<.027	<.007	<.005	.244	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.005	<.013	<.027	<.007	<.005	E.007	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.005	E.008	<.027	<.007	<.005	.064	<.002	<.004	<.006	<.002	<.009	<.009	<.011
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.005	.751	<.027	<.007	<.005	1.78	<.002	<.004	<.006	<.002	<.009	<.009	<.011

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	E.862	<.035	<.006	.006	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.034	<.035	<.006	.008	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.002	<.011	E.038	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.16
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.09
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.002	<.011	E.033	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.07
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	<.05
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006	<.05	<.05	.10

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DIMETH-ENAMID OXA, WATER FLT, REC (UG/L) (62482)	FLUFE-NACET OXA WATER FLT, REC (UG/L) (62483)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)						
JUN 25...	<.05	<.05	<.05	<.05	.54	.32
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)						
JUN 25...	<.05	<.05	<.05	<.05	.63	.45
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)						
JUN 25...	<.05	<.05	<.05	<.05	<.05	<.05
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)						
JUN 25...	<.05	<.05	<.05	<.05	<.05	<.05
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)						
JUN 27...	<.05	<.05	<.05	<.05	4.48	2.08
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)						
JUN 25...	<.05	<.05	<.05	<.05	<.05	<.05
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)						
JUN 27...	<.05	<.05	<.05	<.05	<.05	<.05
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)						
JUN 27...	<.05	<.05	<.05	<.05	1.46	1.23

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	0930	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	1130	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	1000	<.03	<.01	<.01	<.03	<.04	E.06	E.010	<.01	<.01	<.02	<.01	<.01
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	1505	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	E.01	<.01	<.01
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	1650	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	1340	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	1540	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	1420	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	1120	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	1850	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	0920	<.03	<.01	<.01	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	1020	<.03	<.01	<.01	<.03	<.04	E.02	E.006	<.01	<.01	<.02	<.01	<.01
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	1620	<.03	<.01	<.01	<.03	<.04	E.01	E.015	<.01	<.01	<.02	<.01	<.01
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	0820	<.03	<.01	<.01	<.03	<.04	E.03	<.028	<.01	<.01	E.01	<.01	<.01

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DISSOLVED (UG/L) (39732)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.01	E.004	M	<.02	<.0012	<.01	<.009	<.02	<.02	<.01	<.02	<.02	<.02
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.0018	E.004	<.0025	<.02	<.03	<.01	<.009	<.02	<.02	<.01	<.02	<.02	<.02
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.01	<.017	<.01	<.02	<.03	<.01	E.133	<.02	<.02	<.01	<.02	<.02	<.02
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.01	<.017	E.01	<.02	<.03	<.01	<.009	.03	<.02	<.01	<.02	<.02	<.02
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	<.009	E.01	<.02	<.01	<.02	<.02	<.02
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	<.009	E.02	<.02	<.01	<.02	<.02	<.02
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.01	E.008	<.01	<.02	<.03	<.01	<.009	E.01	<.02	<.01	<.02	<.02	<.02
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.01	<.017	<.01	<.02	<.03	<.01	<.009	<.02	<.02	<.01	<.02	<.02	E.01
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.01	<.017	<.01	<.02	<.03	<.01	.013	<.02	<.02	<.01	<.02	<.02	<.02
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	E.054	E.01	<.02	<.01	<.02	<.02	<.02
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.01	<.017	<.01	<.02	<.03	<.01	.031	<.02	<.02	<.01	<.02	<.02	<.02
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.01	<.017	<.01	<.02	<.03	<.01	E.029	<.02	<.02	<.01	<.02	<.02	<.02
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	.091	<.02	<.02	<.01	<.02	<.02	<.02
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.01	<.017	M	<.02	<.03	<.01	E.016	.03	<.02	<.01	<.02	<.02	<.02

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLOROTHALONIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	3HYDRXY CARBOFURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.01	<.0044	<.03	E.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.0014	<.02
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.01	<.0044	<.03	<.01	<.0005	<.01	<.01	<.01	<.04	<.01	<.01	<.0010	<.02
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.01	<.0044	<.03	E.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.01	<.0044	<.03	.02	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.01	<.0044	<.03	.04	<.01	<.01	<.01	<.01	<.04	<.01	<.01	E.01	<.02
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.01	<.0044	<.03	E.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.01	<.0044	<.03	.02	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	.015	<.008	<.016	<.003
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.003	<.008	<.016	<.020
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.025	<.010	<.009	E.137	<.016	<.020
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	<.008	<.016	<.020
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.006	<.016	E.007
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.059	<.010	E.005	<.008	E.005	<.020
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	E.004	E.009	E.007	<.020
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	<.008	<.016	<.020
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.284	<.010	<.009	<.008	<.016	<.020
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.046	<.010	<.009	E.080	<.016	E.004
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.015	<.016	<.020
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.718	<.010	<.009	E.045	<.016	<.020
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.030	<.016	<.020
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.040	<.016	<.020

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NICOSULFURON WATER FLTRD REC (UG/L) (50364)	IMAZETHAPYR WATER FLTRD REC (UG/L) (50407)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	PROPICONAZOLE , WATER FLTRD REC (UG/L) (50471)	TRIBENURON METHYL WATER FLTRD (UG/L) (61159)	CHLORAMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)	BENSULFURON METHYL WAT FLT REC (UG/L) (61693)	FLUMETSULAM WATER FLTRD REC (UG/L) (61694)	IMIDACLOPRID WATER FLTRD REC (UG/L) (61695)	METHOMYL OXIME WATER FLTRD REC (UG/L) (61696)	METSULFURON METHYL WAT FLT REC (UG/L) (61697)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.013	<.017	<.013	<.031	<.024	--	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.013	<.017	<.013	<.009	<.027	--	<.02	<.0242	<.0158	<.0110	.0075	<.0110	<.0250
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	.0329	<.0110	<.0250
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	.0306	<.0110	<.0250

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)	
JUN 26...	<.006
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)	
JUN 26...	<.006
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)	
JUN 28...	<.006
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)	
JUN 26...	<.006
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)	
JUN 27...	<.006
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)	
JUN 27...	<.006
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)	
JUN 27...	<.006
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)	
JUN 28...	<.006
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)	
JUN 28...	<.006
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)	
JUN 27...	<.006
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)	
JUN 28...	<.006
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)	
JUN 25...	<.006
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)	
JUN 27...	<.006
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)	
JUN 26...	<.006

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	BROMACIL, WATER, DISS, REC (UG/L) (04029)	CYCLOATE, WATER, DISS, REC (UG/L) (04031)	TERBACIL, WATER, DISS, REC (UG/L) (04032)	DIPHENAMID, WATER, DISS, REC (UG/L) (04033)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEETHYL DEISOPROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	1150	<.03	<.01	E.55	<.03	<.04	<.01	<.028	<.01	<.01	<.02	<.01	<.01
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	0950	<.03	<.01	<.01	<.03	<.04	E.04	E.004	<.01	E.02	<.02	<.01	<.01
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	0740	<.03	<.01	<.01	<.03	E.04	E.06	<.028	<.01	<.01	<.02	<.01	<.01
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	1450	<.03	<.01	<.01	<.03	E.03	E.07	<.028	<.01	<.01	<.02	<.01	<.01
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	1150	<.03	<.01	<.01	<.03	<.04	E.04	E.110	<.01	<.01	<.02	<.01	<.01
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	1350	<.03	<.01	<.01	<.03	<.04	E.01	<.028	<.01	<.01	<.02	<.01	<.01
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	0750	<.03	<.01	<.01	<.03	<.04	E.07	E.014	<.01	<.01	<.02	<.01	<.01
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	0850	<.03	<.01	<.01	<.03	E.12	M	E.234	<.01	<.01	<.02	<.01	<.01

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, DISSOLVED (UG/L) (39732)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.01	<.017	E.03	<.02	<.03	<.01	E.026	.08	<.02	<.01	<.02	<.02	<.02
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.01	<.017	E.01	<.02	<.03	<.01	E.010	E.02	<.02	<.01	<.02	<.02	<.02
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.01	<.017	<.01	<.02	<.03	<.01	E.004	<.02	<.02	<.01	<.02	<.02	<.02
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.01	<.017	<.01	<.02	<.03	<.01	E.003	<.02	<.02	<.01	<.02	<.02	E.03
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	.149	.02	<.02	<.01	<.02	<.02	<.02
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.01	<.017	<.01	<.02	<.03	<.01	<.009	<.02	<.02	<.01	<.02	<.02	<.02
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.01	<.017	M	<.02	<.03	<.01	E.026	E.01	<.02	<.01	<.02	<.02	<.02
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.01	<.017	<.01	<.02	<.03	<.01	E1.09	.04	<.02	<.01	<.02	<.02	<.02

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CHLOROTHALONIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	3HYDRXY CARBOFURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.01	<.0044	<.03	.14	<.01	<.01	<.01	<.01	<.04	<.01	<.01	E.01	<.02
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	E.02	<.02
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.01	<.0044	<.03	<.01	E.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.01	<.0044	<.03	<.01	<.01	<.01	<.01	<.01	<.04	<.01	<.01	<.03	<.02

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDICARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	3-KETO CARBOFURAN WATER FLTRD REC (UG/L) (50295)	BENDIOCARB, WATER FLTRD REC (UG/L) (50299)	BENOMYL WATER FLTRD REC (UG/L) (50300)	CAFFEINE, WATER FLTRD REC (UG/L) (50305)	CHLORIMURON, WATER FLTRD REC (UG/L) (50306)	SULFOMETRURON METHYL WTR FLT REC (UG/L) (50337)	HYDROXY ATRAZINE WATER FLTRD REC (UG/L) (50355)	IMAZAQUIN WATER FLTRD REC (UG/L) (50356)	METALAXYL WATER FLTRD REC (UG/L) (50359)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	.072	<.010	<.010	E.034	E.063	<.016	<.020
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.054	<.016	E.011
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.008	<.016	<.020
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.012	<.016	<.020
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.078	<.016	E.014
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	<.009	E.004	<.016	<.020
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	.159	<.010	E.005	E.052	<.016	<.020
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.04	<.02	<.01	<.01	<1.50	<.025	<.004	<.010	<.010	.038	E.071	<.016	.038

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NICOSULFURON WATER FLTRD REC (UG/L) (50364)	IMAZETHAPYR WATER FLTRD REC (UG/L) (50407)	OXAMYL OXIME WATER FLTRD REC (UG/L) (50410)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	PROPICONAZOLE , WATER FLTRD REC (UG/L) (50471)	TRIBENURON METHYL WATER FLTRD (UG/L) (61159)	CHLORAMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)	BENSULFURON METHYL WAT FLT REC (UG/L) (61693)	FLUMETSULAM WATER FLTRD REC (UG/L) (61694)	IMIDACLOPRID WATER FLTRD REC (UG/L) (61695)	METHOMYL OXIME WATER FLTRD REC (UG/L) (61696)	METSULFURON METHYL WAT FLT REC (UG/L) (61697)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.013	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	E.1144
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	.122	<.017	<.013	<.009	<.021	<.01	<.02	<.0242	<.0158	<.0110	<.0068	<.0110	<.0250

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)	
JUN 25...	E.025
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)	
JUN 25...	<.006
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)	
JUN 25...	<.006
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)	
JUN 25...	<.006
04234010 BIG SALMON CREEK AT GENOA, NY (LAT 42 40 04N LONG 076 32 18W)	
JUN 27...	<.006
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)	
JUN 25...	<.006
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)	
JUN 27...	<.006
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)	
JUN 27...	<.006

E Estimated.

ANALYSES OF SAMPLES AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	FEN-THION WATER FLTRD (UG/L) (38801)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	0920	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	1120	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	1005	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	1510	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	1700	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	1350	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	1550	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	1410	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	E.005	<.0053
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	1110	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27..,	1840	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	0910	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	1010	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	1610	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	0810	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053

E Estimated.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	META-LAXYL WATER FLTRD REC (UG/L) (61596)	METHI-DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PHOSMET WATER FLTRD REC (UG/L) (61601)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	.0074	<.0026	<.0022	<.0032	<.0018
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.0080	<.0086	.0061	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	2,5-DI-CHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHY-PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO-2,6-DIETHYL ACET-ANILIDE FLT REC (UG/L) (61618)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	BENZYL ALCOHOL 3-PHEN-OXY WAT FLT REC (UG/L) (61629)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)	4CHLORO 2-METH-YL-PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	.0059	.0062	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	.0102	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	.0091	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	HYDROXY METHYL-PENDI-METH-LION FLT REC (UG/L) (61665)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)													
JUN 26...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)													
JUN 26...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)													
JUN 28...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)													
JUN 26...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)													
JUN 27...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)													
JUN 27...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)													
JUN 27...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)													
JUN 28...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)													
JUN 28...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)													
JUN 27...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)													
JUN 28...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)													
JUN 25...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)													
JUN 27...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)													
JUN 26...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	ETHION DISSOLV (UG/L) (82346)	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)
01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58N LONG 073 13 29W)											
JUN 26...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01309500 MASSAPEQUA CREEK AT MASSAPEQUA NY (LAT 40 41 20N LONG 073 27 19W)											
JUN 26...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01349150 CANAJOHARIE CREEK NR CANAJOHARIE NY (LAT 42 52 34N LONG 074 36 12W)											
JUN 28...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01356190 LISHA KILL NORTHWEST OF NISKAYUNA NY (LAT 42 47 00N LONG 073 51 27W)											
JUN 26...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01374918 STONE HILL RIVER SOUTH OF KATONAH NY (LAT 41 14 58N LONG 073 40 15W)											
JUN 27...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01374921 STONE HILL RIVER TRIBUTARY AT BEDFORD HILLS NY (LAT 41 14 45N LONG 073 41 06W)											
JUN 27...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
01374987 KISCO RIVER BELOW MOUNT KISCO NY (LAT 41 13 43N LONG 073 44 37W)											
JUN 27...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
0421337640 BEAVER CREEK NEAR CORDOVA NY (LAT 42 26 46N LONG 079 21 55W)											
JUN 28...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04216214 SCAJAQUADA CR BELOW DELAWARE PARK LK, BUFFALO NY (LAT 42 56 15N LONG 078 53 07W)											
JUN 28...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04218000 TONAWANDA CREEK AT RAPIDS NY (LAT 43 05 35N LONG 078 38 11W)											
JUN 27...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04219650 FOURMILE CREEK NORTHEAST OF YOUNGSTOWN NY (LAT 43 16 11N LONG 079 00 16W)											
JUN 28...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04227000 CANASERAGA CREEK AT SHAKERS CROSSING NY (LAT 42 44 13N LONG 077 50 27W)											
JUN 25...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
04231000 BLACK CREEK AT CHURCHVILLE NY (LAT 43 06 02N LONG 077 52 57W)											
JUN 27...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04232050 ALLEN CREEK NEAR ROCHESTER NY (LAT 43 07 49N LONG 077 31 08W)											
JUN 26...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	HEXA-ZINONE, WATER, DISS, REC (UG/L) (04025)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	ENDO-SULFAN BETA DISSOLV (UG/L) (34357)	ENDO-SULFAN ALPHA DISSOLV (UG/L) (34362)	DICROT-OPHOS WATER FLTRD REC (UG/L) (38454)	SUL-PROFOS WATER FLTRD REC (UG/L) (38716)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	FEN-THION WATER FLTRD (UG/L) (38801)	1-NAPH THOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	BI-FENTH-RIN WATER FLTRD REC (UG/L) (61580)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	1140	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	0940	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	0750	<.009	<.0041	<.0042	<.0040	<.01	<.0025	<.0333	<.0040	<.01	<.007	<.073	<.0013
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	1440	<.010	.02	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	E.006	<.0053
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	1340	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	0740	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	0840	<.010	<.01	<.0047	<.01	<.01	<.0047	<.0843	<.0155	<.01	<.015	<.088	<.0053

DATE	CY-FLUTH-RIN WATER FLTRD REC (UG/L) (61585)	CYPER-METHRIN WATER FLTRD REC (UG/L) (61586)	ENDO-SULFAN SULFATE WATER FLTRD REC (UG/L) (61590)	FENAMI-PHOS WATER FLTRD REC (UG/L) (61591)	FLUME-TRALIN WATER FLTRD REC (UG/L) (61592)	IPRO-DIONE WATER FLTRD REC (UG/L) (61593)	ISOFEN-PHOS WATER FLTRD REC (UG/L) (61594)	LAMDA-CYHALO-THRIN WATER FLTRD REC (UG/L) (61595)	META-LAXYL WATER FLTRD REC (UG/L) (61596)	METHI-DATHION WATER FLTRD REC (UG/L) (61598)	MYCLO-BUTANIL WATER FLTRD REC (UG/L) (61599)	OXY-FLUOR-FEN WATER FLTRD REC (UG/L) (61600)	PHOSMET WATER FLTRD REC (UG/L) (61601)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.0080	<.0086	.0116	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0022	<.0032	<.0018
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.0011	<.0022	<.0033	<.0308	<.0011	<1.49	<.0023	<.0017	<.0041	<.0026	<.0400	<.0032	<.0018
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.0080	<.0086	<.0058	<.0290	<.0040	<1.42	<.0034	<.0089	<.0051	<.0058	<.0080	<.0073	<.0079

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	PHOSTE-BUPIRIM WATER FLTRD REC (UG/L) (61602)	PRO-FENOFOS WATER FLTRD REC (UG/L) (61603)	PROPET-AMPHOS WATER FLTRD REC (UG/L) (61604)	SULFO-TEPP WATER FLTRD REC (UG/L) (61605)	TEFLU-THRIN WATER FLTRD REC (UG/L) (61606)	TEME-PHOS WATER FLTRD REC (UG/L) (61607)	TRIBU-PHOS WATER FLTRD REC (UG/L) (61610)	1,4-NAPTHO QUINON WATER FLTRD REC (UG/L) (61611)	2,5-DI-CHLORO-ANILINE WATER FLTRD REC (UG/L) (61614)	2-[2-ETHYL-6-METHY-PANOL WAT FLT REC (UG/L) (61615)	2AMINON ISOPROP PYLBEN ZAMIDE WAT FLT REC (UG/L) (61617)	2CHLORO-2,6-DIETHYL ACET-ANILIDE FLT REC (UG/L) (61618)	ANILINE 2-ETHYL 6METHYL WATER FLTRD REC (UG/L) (61620)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.0040	<.0027	<.0026	<.0018	<.0025	<.0722	<.0016	<.0166	<.0176	<.1150	<.0023	<.0042	<.0032
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.0055	<.0059	<.0038	<.0025	<.0077	<.2670	<.0044	<.0509	<.0261	<.1260	<.0049	<.0050	<.0045

DATE	ANILINE 3,4-DI-CHLORO WATER FLTRD REC (UG/L) (61625)	ANILINE 3,5-DI-CHLORO WATER FLTRD REC (UG/L) (61627)	BENZYL ALCOHOL 3-PHEN-OXY WAT FLT REC (UG/L) (61629)	ANILINE 3-TRI-FLUORO-METHYL WAT FLT REC (UG/L) (61630)	BENZO-PHENONE 4,4-DI-CHLORO WAT FLT REC (UG/L) (61631)	4CHLORO 2-METH-YL-PHENOL WAT FLT REC (UG/L) (61633)	4CHLORO BENZYL METHYL SULFONE WAT FLT REC (UG/L) (61634)	AZIN-PHOS-METHYL-OXON WAT FLT REC (UG/L) (61635)	CHLOR-PYRIFOS OXYGEN ANALOG WAT FLT REC (UG/L) (61636)	2(4TERT BUTYL-PHENOXY CYCLO-HEXANOL FLT REC (UG/L) (61637)	DISULF-OTON SULFONE WATER FLTRD REC (UG/L) (61640)	DISULF-OTON SULF-OXIDE WAT FLT REC (UG/L) (61641)	ENDO-SULFAN ETHER WATER FLTRD REC (UG/L) (61642)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	.0187	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.0029	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	.0049	<.0036	<.0261	<.0033	<.0029	<.0027	<.0167	<.0016	<.0199	<.0080	<.0068	<.0024	<.0041
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	.0262	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.0045	<.0047	<.0466	<.0108	<.0034	<.0056	<.0304	<.0160	<.0562	<.0108	<.0159	<.0024	<.0041

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ETHION MONOXON WATER FLTRD REC (UG/L) (61644)	FENAMI-PHOS SULFONE WATER FLTRD REC (UG/L) (61645)	FENAMI-PHOS SULF-OXIDE WAT FLT REC (UG/L) (61646)	FEN-THION SULF-OXIDE WAT FLT REC (UG/L) (61647)	FONOFOS OXYGEN ANALOG WATER FLTRD REC (UG/L) (61649)	MALA-OXON WATER FLTRD REC (UG/L) (61652)	O-ETHYL O-METHY S-PROPY -HIOATE WAT FLT REC (UG/L) (61660)	PARA-OXON ETHYL WATER FLTRD REC (UG/L) (61663)	PARA-OXON METHYL WATER FLTRD REC (UG/L) (61664)	HYDROXY METHYL-PENDI-METH-LION FLT REC (UG/L) (61665)	PHORATE OXON WATER FLTRD REC (UG/L) (61666)	PHOSMET OXON WATER FLTRD REC (UG/L) (61668)	TEBUPIR IMPHOS OXYGEN ANALOG WAT FLT REC (UG/L) (61669)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)													
JUN 25...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)													
JUN 25...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)													
JUN 25...	<.0145	<.0028	<.0009	<.0041	<.0012	<.0025	<.0056	<.0038	<.0192	<.0909	<.0154	<.0172	<.0041
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)													
JUN 25...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)													
JUN 25...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)													
JUN 27...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)													
JUN 27...	<.0336	<.0077	<.0310	<.0079	<.0021	<.0080	<.0083	<.0080	<.0299	<.1430	<.0973	<.0553	<.0063

DATE	TEFLU-THRIN METAB-OLITE R119364 FLT REC (UG/L) (61671)	TEFLU-THRIN METAB-OLITE R152912 FLT REC (UG/L) (61672)	TER-BUFOS O-ANA-LOGUE WAT FLT REC (UG/L) (61674)	CIS-CARBOX-YATE WATER FLTRD REC (UG/L) (79842)	TRANS-CARBOX-YATE WATER FLTRD REC (UG/L) (79843)	E-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79844)	Z-DI-METHO-MORPH WATER FLTRD REC (UG/L) (79845)	CIS-PROPI-CONAZ-OLE WAT FLT REC (UG/L) (79846)	TRANS-PROPI-CONA-ZOLE WAT FLT REC (UG/L) (79847)	ETHION DISSOLV (UG/L) (82346)	DIMETH-OATE WATER FLTRD 0.7 U GF, REC (UG/L) (82662)
04232060 SALMON CREEK AT PULTNEYVILLE NY (LAT 43 16 43N LONG 077 11 05W)											
JUN 25...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04232070 SALMON CREEK NEAR SODUS NY (LAT 43 15 53N LONG 077 01 32W)											
JUN 25...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
0423241755 BULLHORN CREEK AT MCGRATH POINT (LAT 42 29 38N LONG 076 53 14W)											
JUN 25...	<.0050	<.0062	<.0352	<.0099	<.0150	<.0034	<.0063	<.0013	<.0026	<.0015	<.0021
0423246750 KEUKA LAKE TRIB NO.9 AT LAKESIDE PARK NY (LAT 42 30 34N LONG 077 09 26W)											
JUN 25...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04234452 CANANDAIGUA L TRIB (SCHOOL 4) AT WALTON POINT, NY (LAT 42 41 05N LONG 077 21 58W)											
JUN 25...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04235000 CANANDAIGUA OUTLET AT CHAPIN NY (LAT 42 55 05N LONG 077 13 59W)											
JUN 27...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01
04235276 BLACK BROOK AT TYRE NY (LAT 42 59 30N LONG 076 48 13W)											
JUN 27...	<.0156	<.0103	<.0676	<.0393	<.0335	<.0203	<.0457	<.0080	<.0133	<.0040	<.01

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallons per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929) – a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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U.S. Geological Survey
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