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PREFACE

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

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

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

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Water resources data for the 2004 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 15 gaging stations; lake stage at 8 gaging stations; tide stage at 6 gaging stations; and water levels at 453 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.

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

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

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

SURFACE WATER SITES ON LONG ISLAND	Station number	Page
Alley Creek near Oakland Gardens (d)	01302050	56
Gabblers Creek at Little Neck (d)	01302125	58
Cold Spring Brook at Cold Spring Harbor (d)	01303500	60
Nissequogue River near Smithtown (d)	01304000	62
Peconic River at Riverhead (d)	01304500	64
Big Fresh Pond near North Sea (c,e)	01304594	66
Trout Pond at Noyack (c,e)	01304629	67
Long Pond near Sag Harbor (c,e)	01304655	68
Fort Pond at Montauk (c,e)	01304678	70
Georgica Pond at Midhampton (e)	01304702	71
Georgica Pond near Apaquogue (e)	01304705	73
Mill Pond at Water Mill (c,e)	01304738	75
Carmans River at Yaphank (d)	01305000	76
Swan River at East Patchogue (d)	01305500	78
Connetquot Brook at Central Islip (d)	01306440	80
Connetquot Brook near Central Islip (d)	01306460	82
Connetquot River near Oakdale (d)	01306500	84
Sampawams Creek at Babylon (d)	01308000	86
Carlls River at Babylon (d)	01308500	88
Great South Bay at Lindenhurst (e)	01309225	90
Hudson Bay at Freeport (e)	01310521	96
Reynolds Channel at Point Lookout (e)	01310740	102
Hempstead Lake at Hempstead (e)	0131079450	108
East Rockaway Inlet at Atlantic Beach (e)	01311145	109
Valley Stream at Valley Stream (d)	01311500	115
Conselyeas Pond Tributary at Rosedale (c,d)	01311810	117
Jamaica Bay at Inwood (e)	01311850	119
Rockaway Inlet near Floyd Bennett Field (e)	01311875	125

* * * * * * * * * * * * * * *

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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

GROUND-WATER STATIONS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

GROUND WATER SITES ON LONG ISLAND	Station number	Page
Kings County		131
Local well number, K1194.5	404052073515201	131
Local well number, K1301.1	404236073574601	131
Local well number, K2859.1	403451073585601	132
Local well number, K3159.1	403612073573208	132
Local well number, K3245.2	404155073552109	133
Local well number, K3246.2	403902073552802	133
Local well number, K3248.1	403712074001608	134
Local well number, K3249.1	403623074002101	134
Local well number, K3251.1	403520073575501	135
Local well number, K3252.1	403702073555808	135
Local well number, K3254.1	403737073564908	136
Local well number, K3255.2	403827073535202	136
Local well number, K3256.2	403949073532109	137
Local well number, K3257.2	404017073544502	137
Local well number, K3260.2	404325073563509	138
Local well number, K3271.1	404025073515101	138
Local well number, K3273.1	403817073580101	139
Local well number, K3274.1	403635073580108	139
Local well number, K3275.1	403737074011701	140
Local well number, K3301.1	404037073584001	140
Local well number, K3405.1	403719073573301	141
Local well number, K3406.1	403806074021901	141
Local well number, K3407.1	403520073575701	142
Local well number, K3410.1	404039073555002	142
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Local well number, K3424.1	403840073592101	143
Local well number, K3425.1	404039073555001	144
Local well number, K3431.1	403941073574302	144
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Local well number, N662.1	404940073392701	147

GROUND-WATER STATIONS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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Local well number, N1110.2	404040073420102	148
Local well number, N1120.4	404835073404004	148
Local well number, N1129.3	404124073394901	149
Local well number, N1243.5	405027073272602	149
Local well number, N1259.5	404317073291105	150
Local well number, N1614.5	404454073393001	150
Local well number, N1615.4	404210073340801	151
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Local well number, S6413.1	405308072553101	211
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Local well number, S6455.1	405223072523402	212
Local well number, S6558.2	405830072331502	213
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Local well number, S8836.1	405309072233101	214
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