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

[Letter after station name designates types of data:
(d) discharge, (e) elevation, stage, or contents, (v) tidal volume, (c) chemical,
(m) microbiological, (t) water temperature]

	Station number	Page
NORTH ATLANTIC SLOPE BASIN		
PAWCATUCK RIVER BASIN		
Green Fall River (head of Ashaway River):		
Wyassup Brook:		
Pendleton Hill Brook near Clarks Falls (d)	01118300	40
Pawcatuck River at Westerly, R.I. (d,c,m)	01118500	42
MYSTIC RIVER BASIN		
Whitford Brook below Williams Brook near Old Mystic (d)	01118668	46
POQUONOCK RIVER BASIN		
Poquonock River near Groton (e)	01119040	48
THAMES RIVER BASIN		
Willimantic River (head of Thames River):		
Willimantic River at Merrow (c,m)	01119375	50
Willimantic River near Coventry (d)	01119500	52
Natchaug River at Chaplin (c,m)	01120800	54
Mount Hope River near Warrenville (d)	01121000	56
Natchaug River at Willimantic (d)	01122000	58
Shetucket River (continuation of Willimantic River) near Willimantic (d)	01122500	60
Shetucket River at South Windham (c,m)	01122610	62
Little River near Hanover (d)	01123000	66
Shetucket River at Taftville (d)	011230695	68
Quinebaug River at Quinebaug (d,c,m)	01124000	70
Quinebaug River at West Thompson (d)	01124151	76
French River at North Grosvenordale (d,c,m)	01125100	78
Quinebaug River at Putnam (d,c,m)	01125500	84
Quinebaug River at Cotton Rd. Bridge near Pomfret Landing (c,m)	01125520	89
Quinebaug River at Jewett City (d,c,m)	01127000	92
Yantic River at Yantic (d)	01127500	98
Reservoirs in Thames River Basin		100
CONNECTICUT RIVER BASIN		
Connecticut River:		
Connecticut River below Holyoke Dam at Holyoke, MA (d)	01172003	102
Connecticut River at Thompsonville (d,c,m)	01184000	104
Stony Brook near West Suffield (d)	01184100	110
Scantic River:		
Broad Brook at Broad Brook (d,c,m)	01184490	112
Farmington River:		
West Branch Farmington River at Riverton (d)	01186000	116
Still River at Robertsville (d)	01186500	118
Hubbard River (head of East Branch Farmington River) near West Hartland (d)	01187300	120
Burlington Brook near Burlington (d,c,m)	01188000	122
Farmington River at Unionville (d,c,m)	01188090	126
Pequabuck River at Forestville (d)	01189000	130
Pequabuck River at Farmington (c,m)	01189030	132
Farmington River at Tariffville (d,c,m)	01189995	134
Connecticut River at Hartford (c,m,e)	01190070	138
Hockanum River:		
Hockanum River near Rockville (c,m)	01192050	140
Hockanum River near East Hartford (d,c,m)	01192500	142
Mattabesset River:		
Mattabesset River at State Route 372 at East Berlin (c,m)	01192704	146
Coginchaug River at Middlefield (d)	01192883	148
Connecticut River near Middletown (e)	01193000	150
Connecticut River at Middle Haddam (c,m,t)	01193050	151
Salmon River near East Hampton (d,c,m)	01193500	158

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

	Station number	Page
NORTH ATLANTIC SLOPE BASINS--Continued		
CONNECTICUT RIVER BASIN--Continued		
Connecticut River at East Haddam (c,m)	01193750	161
Connecticut River at Old Lyme (e)	01194796	163
Reservoirs in Connecticut River Basin		164
INDIAN RIVER BASIN		
Indian River near Clinton (d)	01195100	166
QUINNIPIAC RIVER BASIN		
Quinnipiac River at Southington (d)	01195490	168
Quinnipiac River near Meriden (c,m)	01196222	170
Quinnipiac River at Wallingford (d,c,m)	01196500	172
Quinnipiac River at North Haven (c,m)	01196530	176
Reservoirs in Quinnipiac River Basin		179
MILL RIVER BASIN		
Mill River near Hamden (d)	01196620	180
HOUSATONIC RIVER BASIN		
Housatonic River near Ashley Falls, MA (c,m)	01198125	182
Falls Village Reservoir at Falls Village (t)	01198990	184
Housatonic River at Falls Village (d)	01199000	186
Salmon Creek at Lime Rock (d)	01199050	188
Tenmile River near Gaylordsville (d)	01200000	190
Housatonic River at Gaylordsville (d)	01200500	192
Housatonic River near New Milford (c,m)	01200600	194
Still River at State Route 7 at Brookfield Center (c,m)	01201487	196
Shepaug River at Peter's Dam at Woodville (d)	01202501	198
Shepaug River near Roxbury (c, m)	01203000	200
Nonewaug River at Minortown (d)	01203600	202
Weekeepeemee River at Hotchkissville (d)	01203805	204
Pomperaug River at Southbury (d)	01204000	206
Housatonic River at Stevenson (d,c,m)	01205500	208
Naugatuck River:		
Naugatuck River at Thomaston (d)	01206900	212
Naugatuck River near Waterville (c,m)	01208049	214
Naugatuck River at Beacon Falls (d,c,m)	01208500	216
Naugatuck River at Ansonia (c,m)	01208736	220
Reservoirs in Housatonic River Basin		222
ROOSTER RIVER BASIN		
Rooster River at Fairfield (d)	01208873	224
MILL RIVER BASIN		
Mill River near Fairfield (d)	01208925	226
SASCO BROOK BASIN		
Sasco Brook near Southport (d)	01208950	228
SAUGATUCK RIVER BASIN		
Saugatuck River near Redding (d,c,m)	01208990	230
NORWALK RIVER BASIN		
Norwalk River at South Wilton (d)	01209700	234
Norwalk River at Winnipauk (c,m)	01209710	236
FIVEMILE RIVER BASIN		
Fivemile River near New Canaan (d)	01209761	240

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

GROUND-WATER LEVELS

Page

FAIRFIELD COUNTY
Well 413007073250501 Local number BD8 276
Well 411256073153101 Local number FF23 277
Well 411124073172201 Local number FF30 278
Well 411118073175801 Local number FF31 279
Well 411103073181301 Local number FF32 280
Well 411058073182001 Local number FF33 281
Well 412429073165101 Local number NT15 282

HARTFORD COUNTY
Well 414615072581601 Local number BU2 283
Well 414704072580501 Local number BU143 284
Well 414649072574401 Local number BU144 285
Well 415450072332201 Local number EW133 286
Well 415548072311301 Local number EW134 287
Well 415649072494801 Local number GR328 288
Well 415647072495901 Local number GR329 289
Well 415643072502201 Local number GR330 290
Well 415653072501701 Local number GR331 291
Well 413535072253701 Local number MB32 292
Well 413554072270201 Local number MB35 295
Well 413518072264501 Local number MB36 296
Well 413724072551101 Local number SW64 297

LITCHFIELD COUNTY
Well 420125073193001 Local number NOC7 298
Well 415925073252001 Local number SY15 299
Well 415559073253401 Local number SY23 300
Well 415956073241501 Local number SY24 301
Well 413202073122401 Local number WY1 302

MIDDLESEX COUNTY
Well 411832072325501 Local number CL223 303
Well 411826072322401 Local number CL224 304
Well 411735072315001 Local number CL225 305
Well 412809072420701 Local number D116 306
Well 412825072410501 Local number D117 307
Well 412724072411902 Local number D119 308
Well 412824072411901 Local number D120 309
Well 413033072432001 Local number MF1 310
Well 413254072335501 Local number MT261 311

NEW HAVEN COUNTY
Well 412423072542801 Local number HM445 312
Well 412546072541702 Local number HM446 313
Well 412546072541701 Local number HM447 314
Well 412541072542001 Local number HM448 315
Well 412417072541901 Local number HM449 316
Well 412417072541902 Local number HM450 317
Well 412307072515201 Local number NHV201 318
Well 412550072510701 Local number NHV202 319
Well 412954073125201 Local number SB30 320
Well 413002073131001 Local number SB39 321
Well 412935073122701 Local number SB41 322
Well 412916073121701 Local number SB42 323
Well 413134073021701 Local number WB93 324
Well 413245072584201 Local number WB198 325

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

GROUND-WATER LEVELS

NEW LONDON COUNTY
Well 413457072252201 Local number CO335 326
Well 412013072030601 Local number GT19 327
Well 412931071514201 Local number NSN77....328
Well 412746071510601 Local number NSN78 329
Well 412824072173301 Local number SM7....330

TOLLAND COUNTY
Well 414833072190301 Local number CV51 331
Well 415458072291901 Local number EL82....332
Well 415640072275801 Local number EL139....333
Well 415312072280201 Local number EL140....334
Well 414548072114501 Local number MS19 335
Well 414741072134501 Local number MS44....336
Well 414825072185601 Local number MS45 337
Well 414825072185602 Local number MS46 338
Well 414843072182601 Local number MS74 339
Well 414815072183401 Local number MS75 340
Well 414814072183101 Local number MS76 341
Well 414844072182701 Local number MS77 342

WINDHAM COUNTY
Well 414054071552001 Local number PL1....343
Well 414243072040501 Local number SC19....344
Well 414237072034401 Local number SC20 345
Well 414240072032201 Local number SC21....346
Well 414240072033201 Local number SC22....347
Well 414240072032202 Local number SC23....348

Discontinued surface-water discharge or stage-only stations

The following continuous-record surface-water gaging stations have been discontinued. All listed stations had daily streamflow or stage records published for the period of record, expressed in water years. 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 of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
POQUONOCK RIVER BASIN			
01119000	Great Brook at Poquonock Bridge (stage only)	14.5	1946-67
THAMES RIVER BASIN			
01119280	Willimantic River at Stafford Springs	52.9	1963-67
01119320	Roaring Brook near Stafford Springs	14.7	1961-66
01120000	Hop River near Columbia	73.9	1932-71
01120500	Safford Brook near Woodstock Valley	4.16	1950-81
01125415	Muddy Brook near Woodstock	20.2	1979-83
01125490	Little River at Harrisville	35.7	1961-71
01126000	Fivemile River at Killingly	57.8	1938-71
01126500	Moosup River at Moosup	83.2	1933-71
01126600	Blackwell Brook near Brooklyn	16.8	1964-76
01126950	Pachaug River at Pachaug	53.2	1961-75
CONNECTICUT RIVER BASIN			
01183950	Grape Brook at Thompsonville	2.46	1967-69
01184280	Scantic River near North Somers	27.0	1967-69
01184500	Scantic River at Broad Brook	97.8	1928-71
01186100	Mad River at Winsted	18.5	1957-69
01186400	Sandy Brook at Robertsville	35.2	1968-76
01187000	West Branch Farmington River at Riverton	218	1929-55
01187400	Valley Brook near West Hartland	7.35	1940-74
01187680	Cherry Brook near Canton Center	8.12	1967-71
01187800	Nepaug River near Nepaug	23.6	1918-55; 1958-72
01187850	Clear Brook near Collinsville	.53	1917-73
01187980	Farmington River at Collinsville	360	1963-77
01189180	Hop Brook at West Simsbury	1.38	1967-71
01189190	Stratton Brook at West Simsbury	1.50	1967-71
01189200	Stratton Brook near Simsbury	5.48	1966-71
01189210	Hop Brook near Simsbury	11.2	1966-71
01189390	East Branch Salmon Brook at Granby	39.1	1964-76

Discontinued surface-water discharge or stage-only stations--Continued

The following continuous-record surface-water gaging stations have been discontinued. All listed stations had daily streamflow or stage records published for the period of record, expressed in water years. 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 of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
CONNECTICUT RIVER BASIN--Continued			
01189500	Salmon Brook at Granby	66.7	1946-63
01190000	Farmington River at Rainbow	583	1928-86
01190057	Podunk River near Burnham	12.9	1975-81
01190100	Piper Brook at Newington Junction	14.4	1958-71
01190200	Mill Brook at Newington	2.66	1958-71
01190300	Trout Brook at West Hartford	13.4	1958-71
01190500	South Branch Park River at Hartford	38.2	1937-72; 1973-81
01190600	Wash Brook at Bloomfield	5.62	1958-71
01191000	North Branch Park River at Hartford	25.1	1936-86
01191500	Park River at Hartford	72.1	1937-62
01192370	Porter Brook near Manchester	2.44	1976-81
01192480	Hop Brook near Manchester	11.7	1977-83
01192600	South Branch Salmon Brook at Buckingham	.92	1961-76
01192610	Salmon Brook at Glastonbury	8.19	1967-78
01192650	Roaring Brook at Hopewell	24.5	1962-71
01192700	Mattabesset River at East Berlin	46.6	1962-71
01192704	Mattabesset River at State Rt. 372 at East Berlin	48.1	1995-98
01193800	Hemlock Valley Brook at Hadlyme	2.66	1960-76
01194000	Eightmile River at North Plain	20.3	1939-66
01194500	East Branch Eightmile River near North Lyme	22.4	1937-81
01194825	Connecticut River at Old Saybrook	11,269	1979-98
MENUNKETESUCK RIVER BASIN			
01195000	Menunketesuck River near Clinton	11.5	1941-67
HAMMONASSET RIVER BASIN			
01195146	Pond Meadow Brook at Killingworth	5.92	1984-93
EAST RIVER BASIN			
01195200	Neck River near Madison	6.57	1961-81
QUINNIPIAC RIVER BASIN			
01195500	Quinnipiac River at Southington	17.9	1936-38; 1969-70
01196000	Eightmile River at Plantsville	14.5	1936-38; 1969-70
01196580	Muddy River near North Haven	18.0	1962-73

Discontinued surface-water discharge or stage-only stations--Continued

The following continuous-record surface-water gaging stations have been discontinued. All listed stations had daily streamflow or stage records published for the period of record, expressed in water years. 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 of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
MILL RIVER BASIN			
01196626	Mill River at Hamden	36.5	1974-78
HOUSATONIC RIVER BASIN			
01198500	Blackberry River at Canaan	43.8	1949-71
01198800	Hollenbeck River at Huntsville	19.1	1971-74
HOUSATONIC RIVER BASIN--Continued			
01198860	Deming Brook near Huntsville	1.05	1971-74
01199200	Guinea Brook at Ellsworth	3.56	1960-81
01199290	Housatonic River at Kent	756	1985-90
01201190	West Aspetuck River near New Milford	23.7	1963-72
01201500	Still River near Lanesville	67.5	1932-66
01201510	Still River at Lanesville	69.8	1967-71
01201930	Marshepaug River near Milton	9.37	1968-81
01202500	Shepaug River at Woodville	38.2	1936-66
01203510	Pootatuck River at Sandy Hook	25.0	1965-73
01204800	Copper Mill Brook near Monroe	2.46	1958-76
01205600	West Branch Naugatuck River at Torrington	33.8	1956-97
01205700	East Branch Naugatuck River at Torrington	13.6	1956-97
01206000	Naugatuck River near Thomaston	72.2	1931-59
01206400	Leadmine Brook near Harwinton	19.8	1959-73
01206500	Leadmine Brook near Thomaston	24.6	1931-59
01208012	Branch Brook near Thomaston	20.3	1971-74
01208450	Naugatuck River near Naugatuck	245	1918-24; 1928-55
SAUGATUCK RIVER BASIN			
01208999	Little River at Sanfordtown	5.55	1965-68
01209110	Aspetuck River at Aspetuck	19.1	1962-67
01209500	Saugatuck River near Westport	79.9	1932-67
RIPPOWAM RIVER BASIN			
01209900	Rippowam River at Stamford	33.6	1975-77
01209901	Rippowam River at Stamford	34.2	1977-82
BYRAM RIVER BASIN			
01212100	East Branch Byram River at Riversville	11.2	1963-69

Discontinued surface-water quality network stations

The following stations were discontinued as continuous-record or periodic surface-water-quality network stations prior to the 2001 water year. Discontinued network stations with less than 9 months of record have not been included. Discontinued project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
PAWCATUCK RIVER BASIN			
01118525	Pawcatuck River near Pawcatuck	302	1974-76
THAMES RIVER BASIN			
01122001	Natchaug River at Willimantic	174	1974-80
01125150	French River at Mechanicsville	107	1962-63; 1974-91
01125200	Quinebaug River at Putnam	288	1962; 1974-80
01127500	Yantic River at Yantic	90.0	1950; 1968-80
01127701	Thames River near Mohegan	1,382	1963; 1974-91
CONNECTICUT RIVER BASIN			
01184100	Stony Brook near West Suffield	10.4	1980-91
01184500	Scantic River at Broad Brook	98.2	1953-60; 1995-97
01186800	Still River at Riverton	86.2	1971; 1974-91
01188085	Farmington River at Unionville	373	1974-83
01189120	Farmington River at Avon	465	1971; 1974-91
01189999	Farmington River at Rainbow Fishway at Rainbow	588	1976-93
01190015	Farmington River at Windsor	599	1974-76
01190045	Podunk River at South Windsor	3.74	1975-81
01190069	Connecticut River at Hartford	10,492	1974-76
01191510	Park River at Hartford	72.6	1974-79
01192370	Porter Brook near Manchester	2.44	1976-81
01192516	Hockanum River at East Hartford	76.1	1974-91
01192911	Connecticut River at Middletown	10,869	1974-91
01193630	Salmon River at Leesville Fishway at Leesville	111	1981-92
LONG ISLAND SOUND			
01196656	New Haven Harbor near New Haven	--	1974-91
HOUSATONIC RIVER BASIN			
01198135	Housatonic River near Sodom	471	1984-91
01198550	Housatonic River near Canaan	586	1974-83
01198800	Hollenbeck River at Huntsville	18.1	1971-74
01198857	Wangum Lake Brook near Huntsville	5.32	1971-74
01198860	Deming Brook near Huntsville	1.08	1971-74
01198870	Ledgy Brook near Huntsville	0.66	1971-74
01198880	Wangum Lake Brook near South Canaan	10.1	1971-74
01199000	Housatonic River at Falls Village	634	1971-74
01199900	Tenmile River at South Dover near Wingdale, NY	194	1991-95
01200000	Tenmile River near Gaylordsville	203	1959; 1973-75; 1980
01201485	Still River at Brookfield Center	60.6	1971-72; 1974-92
01204000	Pomperaug River at Southbury	75.1	1961; 1965-74

Discontinued surface-water quality network stations--Continued

The following stations were discontinued as continuous-record or periodic surface-water-quality network stations prior to the 2001 water year. Discontinued network stations with less than 9 months of record have not been included. Discontinued project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
HOUSATONIC RIVER BASIN—Continued			
01201700	Lake Lillinonah near Brookfield Center	1,214	1974-91
01204510	Lake Zoar at Riverside	1,511	1974-91
01205561	Hall Meadow Brook near Drakeville	12.0	1966-67
01208828	Housatonic River at Stratford	1,941	1974-91
NORWALK RIVER BASIN			
01209570	Norwalk River at Georgetown	14.4	1964; 1966; 1976-78
01209572	Norwalk River at Cannondale	15.2	1977-78
LONG ISLAND SOUND			
01209910	Stamford Harbor at Stamford	--	1974-91

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State and local agencies, obtains a large amount of data pertaining to the water resources of Connecticut each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Connecticut."

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) discharge records for 50 streamflow-gaging stations, and for 39 partial-record streamflow stations and miscellaneous sites; (2) stage-only records for 4 tidal-gaging stations; (3) water-quality records for 16 streamflow-gaging stations, for 19 ungaged stream sites, and temperature at 1 reservoir site; and (4) water-level records for 71 observation wells. Additional data were collected at various sites not part of the systematic data-collection program and are published as miscellaneous sites.

This series of annual reports for Connecticut began with the 1961 water year with a report that contained only data relating to the quantities of surface water. In 1964, water-quality data were added to this series and in 1967, ground-water data were added. Beginning with the 1975 water year, the report was changed to its present format.

Prior to introduction of this series, and for several subsequent water years, water-resources data for Connecticut were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Part A." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." These Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from U.S. Geological Survey, Branch of Information Services, Federal Center, Box 25286, Denver, CO 80225-0286.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have 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 CT-01-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or on microfiche film by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the Geological Survey, Connecticut District, by writing to the address given on the back of the title page or by telephoning (860) 291-6740.

COOPERATION

The U.S. Geological Survey and organizations in the State of Connecticut have had cooperative agreements for the systematic collection of streamflow records since 1928, for ground-water levels since 1934, and for water-quality records since 1952. Organizations that assist in collecting data through cooperative agreements with the Survey are:

- **State Department of Environmental Protection,** Arthur J. Roque, Jr., Commissioner.
- **State Department of Public Health,** Joxel Garcia, Commissioner.
- **U.S. Army Corps of Engineers**, Paul Marinelli, Chief, Reservoir Control Center.
- **Town of Fairfield, Conservation Commission,** Thomas J. Steinke, Conservation Director.
- **Town of Ledyard**, Steve Masalin, Town Engineer.
- **Town of Montville,** John Geary, Chairman, Montville Water Pollution Control Authority
- **City of New Britain, Board of Water Commissioners**, Gilbert J. Bligh, Director of Water.
- **Town of Putnam**, Daniel S. Rovero, Mayor.
- **Second Taxing District Water Department, S. Norwalk**, John M. Hiscock, General Manager.
- **City of Waterbury**, Philip A. Giordano, Mayor.
- **Town of Windham**, John J. Lescoe, First Selectman.
- **Town of Woodbury**, Richard W. Crane, First Selectman.
- **Metropolitan District Commission,** Robert A. Kerkes, Director of Water Treatment and Supply.
- **South Central Connecticut Regional Water Authority,** Peter Gaewski, Director of Engineering.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Supplemental data used to define the hydrologic conditions include precipitation records collected by the National Weather Service, and water-levels records from the monitoring-well network that is operated by the USGS in cooperation with the State.

Ground-Water Levels

Ground-water levels were measured in 14 long-term observation wells throughout the State, and values were compared to the period of record for each well. See figure 4 for well locations.

Ground-water well	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
BD-8 (Brookfield)	N	N	N	-	N	+	N	NC	N	N	N	N
BU-2 (Burlington)	N	N	-	-	-	-	-	NC	-	-	-	-
FF-23 (Fairfield)	N	N	N	N	+	+	N	NC	N	N	N	N
GT-19 (Groton)	N	N	N	N	N	+	N	N	+	N	N	N
MF-1 (Middlefield)	N	N	N	-	N	+	-	-	+	+	N	-
MS-19 (Mansfield)	N	-	-	-	-	N	N	NC	N	+	N	N
MT-261 (Middletown)	N	N	N	N	N	N	N	NC	+	N	N	N
NOC-7 (N. Canaan)	N	-	N	N	N	N	N	-	N	N	N	N
NT-15 (Newtown)	N	N	N	-	N	+	N	-	-	N	N	N
PL-1 (Plainfield)	+	N	+	N	N	N	+	NC	+	+	+	+
SW-64 (S. Windsor)	N	N	N	N	N	+	+	NC	+	+	N	N
WB-93 (Waterbury)	N	N	N	N	N	+	-	NC	+	N	N	N
WB-198 (Waterbury)	N	-	+	-	-	+	N	NC	+	N	N	N
WY-1 (Woodbury)	+	N	N	N	N	+	+	N	+	+	+	+

[+, above normal; -, below normal; N, normal; NC, data not collected]

Below-normal rainfall from October 2000 through January 2001 affected ground-water levels during water year 2001. The effect was cumulative, and by January, ground-water levels were at the lowest levels ever measured for January in 12 wells (out of 71 wells in the ground-water network). Throughout the water year, there were 32 new record high ground-water levels and 43 new record low ground-water levels.

Streamflow

Streamflow was measured at four index stations during the 2001 water year, and values were compared to the 30-year reference period October 1971 to September 2000 (tables 1 and 2). The four stations are Mount Hope River near Warrenville (Northeastern Conn.), Salmon River near East Hampton (Southeastern Conn.), Burlington Brook near Burlington (Northwestern Conn.), and Pomperaug River at Southbury (Southwestern Conn.).

Streamflow-gaging station	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Mount Hope River	-	N	N	-	N	+	N	-	+	N	N	N
Salmon River	N	N	N	-	N	+	N	N	+	N	N	N
Burlington Brook	N	N	N	-	N	+	+	N	+	N	N	N
Pomperaug River	N	N	N	-	N	+	N	N	+	N	N	N

[+, above normal, within the highest 25 percent of record for this month;
-, below normal, within the lowest 25 percent of record for this month;
N, normal, within the 25- to 75-percentile range]

Prolonged periods of less than normal rainfall affected much of the State in water year 2001. Monthly departures from average monthly rainfall were approximately 1.2 inches during October 2000 to February 2001. Streamflow records indicate that the annual mean and median streamflows were within the 25- to 75-percentile streamflow range for all gaging stations. The annual median streamflows in water year 2001 were less than or equal to the long-term median streamflows for the majority of gaging stations. No new minimum or maximum streamflow records were recorded for the long-term stations.

Table 1. Monthly mean and 30-year mean monthly discharges for index stations in Connecticut, water year 2001
[Discharges in cubic feet per second; long-term mean monthly discharges are defined as the monthly means for the period 1971–00; see fig. 2 for station locations]

	STATION NAME AND NUMBER							
	01121000 MOUNT HOPE RIVER NEAR WARRENVILLE		01188000 BURLINGTON BROOK NEAR BURLINGTON		01193500 SALMON RIVER NEAR EAST HAMPTON		01204000 POMPERAUG RIVER AT SOUTHBURY	
MONTH	MONTHLY MEAN WY 2001	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2001	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2001	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2001	MEAN MONTHLY 1971-00
October	7.06	34.4	2.21	6.62	31.6	102	32.0	92.8
November	22.1	53.6	5.24	9.02	72.9	182	58.0	128
December	47.2	72.9	6.75	10.2	167	255	110	174
January	30.3	85.4	3.60	10.8	96.7	301	65.1	191
February	47.5	76.8	5.84	10.2	176	280	100	176
March	163	109	23.3	16.9	539	374	392	263
April	85.4	93.2	18.8	15.2	311	346	262	243
May	30.1	60.2	10.1	11.3	127	239	93.5	165
June	65.7	41.0	13.0	7.30	262	165	176	109
July	11.5	17.4	2.59	4.07	50.4	70.5	38.0	60.1
August	11.2	16.6	1.47	4.08	26.5	63.6	22.8	53.5
September	9.30	17.9	2.24	4.72	19.1	59.9	36.3	58.1

Table 2. Monthly median and 30-year median monthly discharges for index stations in Connecticut, water year 2001
[Discharges in cubic feet per second; long-term median monthly discharges are defined as the monthly medians for the period 1971–00; see fig. 2 for station locations]

	STATION NAME AND NUMBER							
	01121000 MOUNT HOPE RIVER NEAR WARRENVILLE		01188000 BURLINGTON BROOK NEAR BURLINGTON		01193500 SALMON RIVER NEAR EAST HAMPTON		01204000 POMPERAUG RIVER AT SOUTHBURY	
MONTH	MONTHLY MEDIAN WY 2001	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2001	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2001	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2001	MEDIAN MONTHLY 1971-00
October	6.90	21.7	2.00	5.74	30.0	73.9	30.0	73.7
November	20.0	47.5	3.60	8.46	57.5	167	45.5	116
December	24.0	60.3	3.90	8.01	100	209	65.0	145
January	27.0	83.1	3.00	10.6	83.0	292	59.0	180
February	42.5	74.8	4.95	10.5	150	253	84.5	168
March	107	91.3	13.0	15.8	469	333	290	220
April	70.5	85.8	13.0	13.9	261	312	225	211
May	19.0	58.5	4.40	10.0	91.0	223	63.0	152
June	34.0	21.8	6.25	4.97	159	91.0	107	69.2
July	9.20	13.4	2.30	3.16	42.0	46.8	31.0	39.7
August	7.50	10.8	1.10	3.42	22.0	46.2	15.0	39.0
September	3.75	12.5	1.35	2.65	17.0	58.3	16.0	36.2

Floods and Droughts

FLOODS--No signficant widespread flooding occurred during water year 2001.

DROUGHTS--No significant widespread droughts occurred during water year 2001.

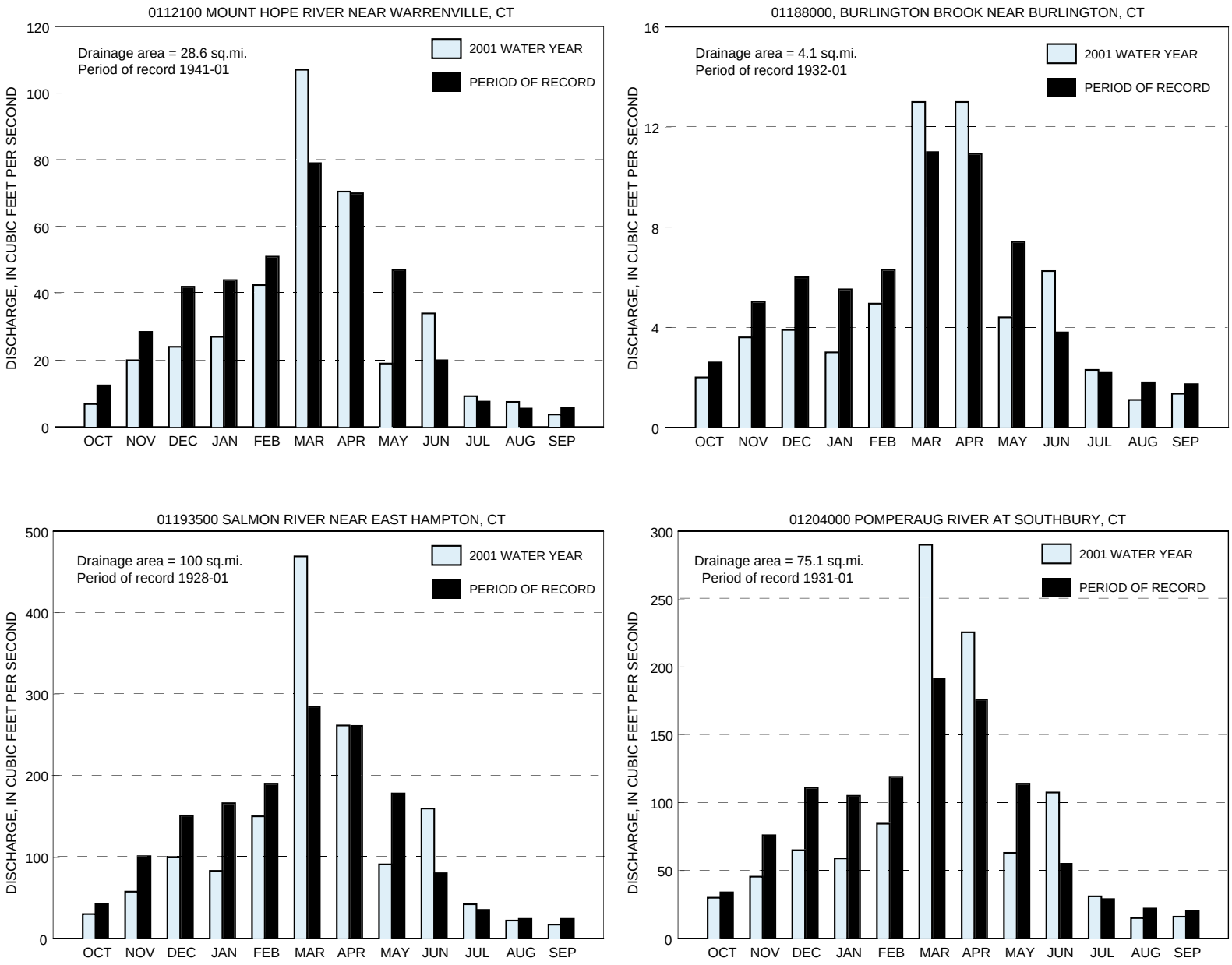


Figure 1. Comparison of long-term median monthly discharge records to monthly median discharge for water year 2001 at index stations

SPECIAL NETWORKS AND PROGRAMS

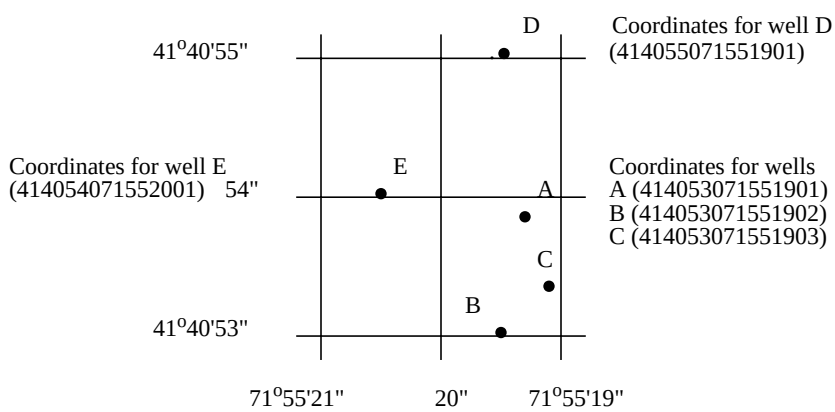
Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in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

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

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

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

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents



System for numbering wells and precipitation sites (latitude and longitude)

will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/nawqa_home.html

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, content data for lakes and reservoirs, water-quality data for surface and ground water, precipitation data, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figures 2, 3, and 4. 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 in this report, whether streamsite or well, 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 established and is retained for that station indefinitely. 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 surface-water stations and the “latitude-longitude” system is used for wells and precipitation stations.

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 mainstream station are listed before that station. A station on a tributary that enters between two mainstream 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 with respect to the stream to which it is immediately tributary is indicated by an indention in the “List of Stations” in the front of this 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 and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both 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 eight-digit number for each station, such as 01188000, which appears just to the left of the station name, includes the two-digit Part number “01” plus the six-digit downstream-order number “188000.” The Part number designates the major river basin; for example, Part “01” is the North Atlantic Slope basin.

Latitude-Longitude System

The identification number for wells and precipitation sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number, and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description (see fig. below).

Records of Stage and Water Discharge

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

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as “Crest-stage partial records,” or “Low-flow partial records.” Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered partial records, but they are presented separately in this report. Locations of all complete-record stations for which data are given in this report are shown in figure 2.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range

of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage, with digital recorders that punch stage values on paper tapes at selected time intervals, or with electronic data loggers that collect, store, and transmit data via satellite. Measurements of discharge are made with current meters using methods adapted by the U.S. Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), 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. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. 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 determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. 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.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, 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

The records published for each continuous-record surface-water discharge station (gaging station) consist of five parts—the manuscript or station description; the data

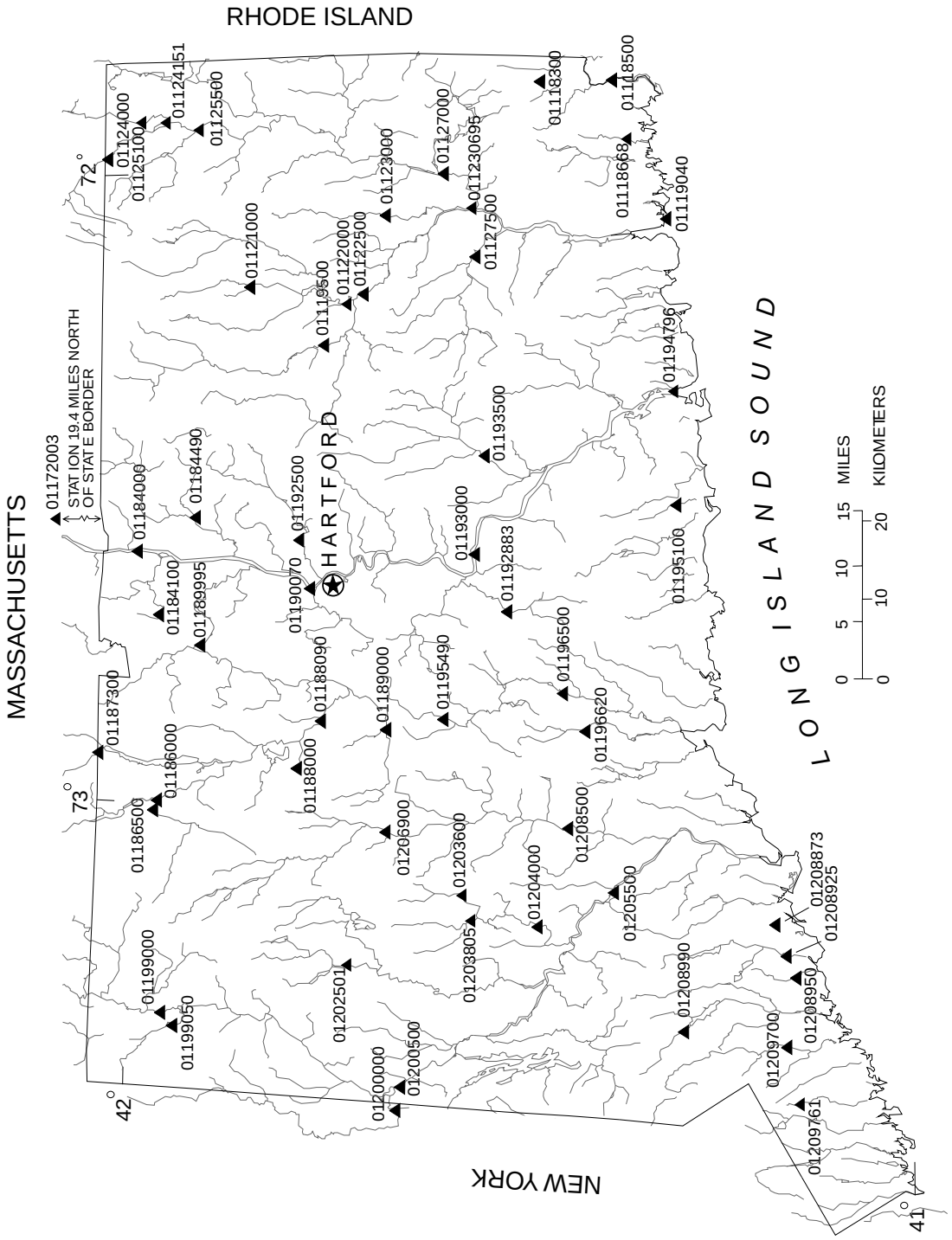


Figure 2. Location of active surface-water gaging stations.

SURFACE-WATER STATIONS, WATER YEAR 2001

Pawcatuck River Basin
- 01118300 Pendleton Hill Brook near Clarks Falls, CT
  01118500 Pawcatuck River at Westerly, RI

Mystic River Basin
- 01118668 Whitford Brook below Williams Brook near Old Mystic, CT

Poquonock River Basin
- 01119040 Poquonock River near Groton, CT

Thames River Basin
  01119500 Willimantic River near Coventry, CT
- 01121000 Mount Hope River near Warrenville, CT
- 01122000 Natchaug River at Willimantic, CT
- 01122500 Shetucket River near Willimantic, CT
  01123000 Little River near Hanover, CT
  011230695 Shetucket River at Taftville, CT
- 01124000 Quinebaug River at Quinebaug, CT
- 01124151 Quinebaug River at West Thompson, CT
  01125100 French River at North Grosvenordale, CT
- 01125500 Quinebaug River at Putnam, CT
- 01127000 Quinebaug River at Jewett City, CT
- 01127500 Yantic River at Yantic, CT

Connecticut River Basin
- 01172003 Connecticut River below Holyoke Dam at Holyoke, MA
- 01184000 Connecticut River at Thompsonville, CT
  01184100 Stony Brook near West Suffield, CT
- 01184490 Broad Brook at Broad Brook, CT
- 01186000 West Branch Farmington River at Riverton, CT
- 01186500 Still River at Robertsville, CT
  01187300 Hubbard River near West Hartland, CT
- 01188000 Burlington Brook near Burlington, CT
- 01188090 Farmington River at Unionville, CT
  01189000 Pequabuck River at Forestville, CT
- 01189995 Farmington River at Tariffville, CT
- 01190070 Connecticut River at Hartford, CT
- 01192500 Hockanum River near East Hartford, CT
- 01192883 Coginchaug River at Middlefield, CT
- 01193000 Connecticut River near Middletown, CT
- 01193500 Salmon River near East Hampton, CT
- 01194796 Connecticut River at Old Lyme, CT

Indian River Basin
- 01195100 Indian River near Clinton, CT

Quinnipiac River Basin
- 01195490 Quinnipiac River at Southington, CT
- 01196500 Quinnipiac River at Wallingford, CT

Mill River Basin
  01196620 Mill River near Hamden, CT

Housatonic River Basin
  01199000 Housatonic River at Falls Village, CT
- 01199050 Salmon Creek at Lime Rock, CT
  01200000 Tenmile River near Gaylordsville, CT
- 01200500 Housatonic River at Gaylordsville, CT
- 01202501 Shepaug River at Peter's Dam at Woodville, CT
- 01203600 Nonewaug River at Minortown, CT
- 01203805 Weekeepeemee River at Hotchkissville, CT
- 01204000 Pomperaug River at Southbury, CT
- 01205500 Housatonic River at Stevenson, CT
- 01206900 Naugatuck River at Thomaston, CT
- 01208500 Naugatuck River at Beacon Falls, CT

Southwestern Coastal River Basins
  01208873 Rooster River at Fairfield, CT
  01208925 Mill River near Fairfield, CT
- 01208950 Sasco Brook near Southport, CT
- 01208990 Saugatuck River near Redding, CT
  01209700 Norwalk River at South Wilton, CT
- 01209761 Fivemile River near New Canaan, CT

- Real-time data are available on the Internet

table of daily mean values of discharge for the current water year with summary data; the tabular statistical summary of monthly mean flow data for a designated period, by water year; the 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; and the hydrograph showing daily mean discharge, in cubic feet per second, for the water year. The hydrographs were added beginning with the 1997 water year to assist the reader in visualizing the variation in discharge throughout the water year and to be consistent with data reports from other Districts.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; 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 only a few stations, were determined by methods given in “River Mileage Measurement,” Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

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

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

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: “(M)” means that only the instantaneous maximum discharge was revised; “(m)” that only the instantaneous minimum discharge 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 as sea level (see definitions), 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 as 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 U.S. Geological Survey by a cooperating organization are identified here.

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

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

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

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the

"Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

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

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are 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 diversions 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") of 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 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" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted of for designated period. At some stations the yearly mean discharge is adjusted for reservoir storage diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

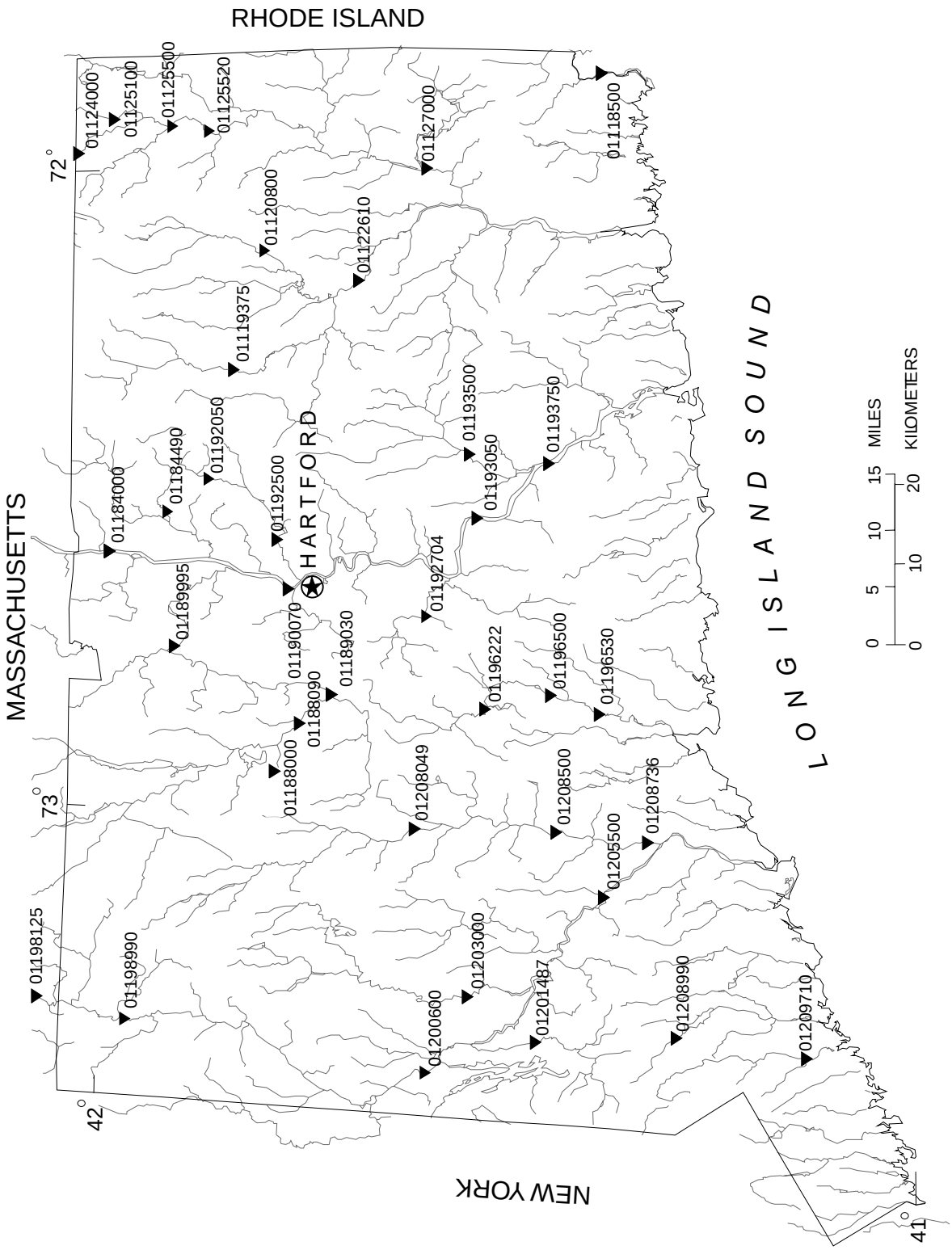


Figure 3. Location of active surface-water-quality stations.

SURFACE-WATER-QUALITY STATIONS, WATER YEAR 2000

Pawcatuck River Basin

01118500 Pawcatuck River at Westerly, RI

Thames River Basin

01119375 Willimantic River at Merrow, CT
01120800 Natchaug River at Chaplin, CT
01122610 Shetucket River at South Windham, CT
01124000 Quinebaug River at Quinebaug, CT
01125100 French River at North Grosvenordale, CT
01125500 Quinebaug River at Putnam, CT
01125520 Quinebaug River at Cotton Rd Bridge nr Pomfret Landing, CT
01127000 Quinebaug River at Jewett City, CT

Connecticut River Basin

01184000 Connecticut River at Thompsonville, CT
01184490 Broad Brook at Broad Brook, CT
01188000 Burlington Brook near Burlington, CT
01188090 Farmington River at Unionville, CT
01189030 Pequabuck River at Farmington, CT
01189995 Farmington River at Tariffville, CT
01190070 Connecticut River at Hartford, CT
01192050 Hockanum River near Rockville, CT
01192500 Hockanum River near East Hartford, CT
01192704 Mattabesset River at Rt 372 at East Berlin, CT
01193050 Connecticut River at Middle Haddam, CT
01193500 Salmon River near East Hampton, CT
01193750 Connecticut River at East Haddam, CT

Quinnipiac River Basin

01196222 Quinnipiac River near Meriden, CT
01196500 Quinnipiac River at Wallingford, CT
01196530 Quinnipiac River at North Haven, CT

Housatonic River Basin

01198125 Housatonic River near Ashley Falls, MA
01198990 Falls Village Reservoir at Falls Village, CT (temperature only)
01200600 Housatonic River near New Milford, CT
01201487 Still River at Rt 7 at Brookfield Center, CT
01203000 Shepaug River near Roxbury, CT
01205500 Housatonic River at Stevenson, CT
01208049 Naugatuck River near Waterville, CT
01208500 Naugatuck River at Beacon Falls, CT
01208736 Naugatuck River at Ansonia, CT

Saugatuck River Basin

01208990 Saugatuck River near Redding, CT

Norwalk River Basin

01209710 Norwalk River at Winnipauk, CT

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 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 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 the designated period. Note that secondary instantaneous peak discharges above a selected base are stored in District computer files for stations meeting certain criteria. Those discharge 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 designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide information.

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

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data may use any of the following units of measurements in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES).--Indicates the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge has been 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 records 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 measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under “REMARKS.” “Excellent” means that about 95 percent of the daily discharges are within 5 percent of the true; “good,” within 10 percent; and “fair,” within 15 percent. Records that do not meet the criteria mentioned, are rated “poor.” Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth for values between 1.0 and 10 ft^3/s; to whole numbers for values between 10 and 1,000 ft^3/s; and to 3 significant figures for values more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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 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

Records of discharge, not published by the Geological Survey, are collected in Connecticut at several sites by the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 20192, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Geological Survey, Connecticut District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the U.S. Geological Survey, Connecticut District.

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 recorded at short intervals. 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. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 3.

Arrangement of Records

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

unless indicated 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.

On-Site Measurements and Sample Collection

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

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 U.S. Geological Survey, Connecticut District.

Water Temperature

Water temperatures are measured at most 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 closely follow the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file with the U.S. Geological Survey, Connecticut District.

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 section.

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 discharges 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 C 1 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 suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples are analyzed in Louisville, Ky., samples for indicator bacteria and specific conductance are analyzed locally. All other samples are analyzed in the U.S. Geological Survey laboratories in Denver, Colo. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter 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.

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.

PERIOD OF RECORD.--This indicates 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 U.S. 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 U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables 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.

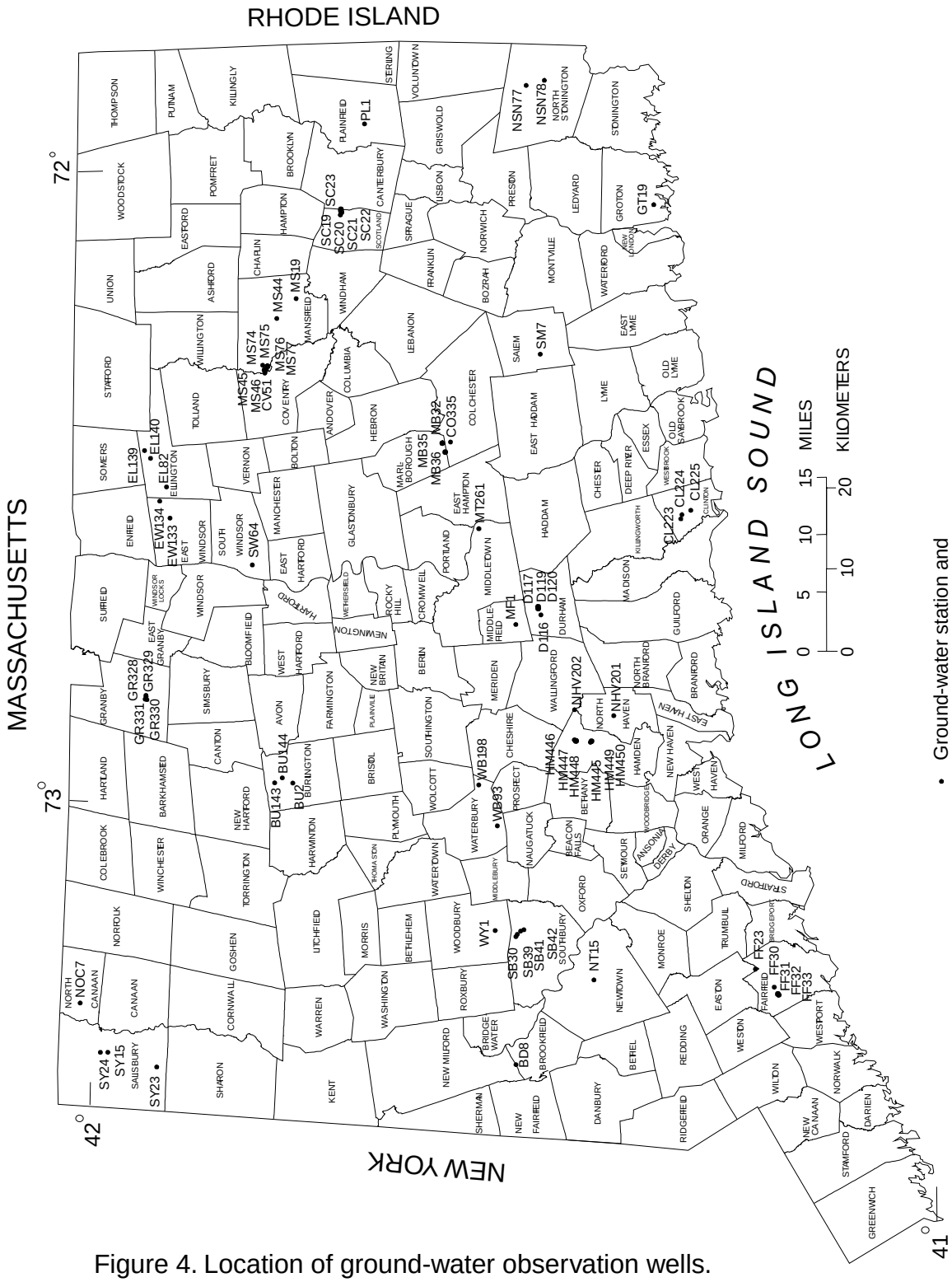


Figure 4. Location of ground-water observation wells.

GROUND-WATER WELLS, WATER YEAR 2000

FAIRFIELD COUNTY
Well 413007073250501 Local number BD8
Well 411256073153101 Local number FF23
Well 411124073172201 Local number FF30
Well 411118073175801 Local number FF31
Well 411103073181301 Local number FF32
Well 411058073182001 Local number FF33
Well 412429073165101 Local number NT15

HARTFORD COUNTY
Well 414615072581601 Local number BU2
Well 414704072580501 Local Number BU143
Well 414649072574401 Local Number BU144
Well 415450072332201 Local number EW133
Well 415548072311301 Local number EW134
Well 415649072494801 Local number GR328
Well 415647072495901 Local number GR329
Well 415643072502201 Local number GR330
Well 415653072501701 Local number GR331
Well 413535072253701 Local number MB32
Well 413554072270201 Local number MB35
Well 413518072264501 Local number MB36
Well 413724072551101 Local number SW64

LITCHFIELD COUNTY
Well 420125073193001 Local number NOC7
Well 415925073252001 Local number SY15
Well 415559073253401 Local number SY23
Well 415956073241501 Local number SY24
Well 413202073122401 Local number WY1

MIDDLESEX COUNTY
Well 411832072325501 Local number CL223
Well 411826072322401 Local number CL224
Well 411735072315001 Local number CL225
Well 412809072420701 Local number D116
Well 412825072410501 Local number D117
Well 412724072411902 Local number D119
Well 412824072411901 Local number D120
Well 413033072432001 Local number MF1
Well 413254072335501 Local number MT261

NEW HAVEN COUNTY
Well 412423072352801 Local number HM445
Well 412546072541702 Local number HM446
Well 412546072541701 Local number HM447
Well 412541072542001 Local number HM448
Well 412417072541901 Local number HM449
Well 412417072541902 Local number HM450
Well 412307072515201 Local number NHV201
Well 412550072510701 Local number NHV202
Well 412954073125201 Local number SB30
Well 413002073131001 Local number SB39
Well 412935073122701 Local number SB41
Well 412916073121701 Local number SB42
Well 413134073021701 Local number WB93
Well 413245072584201 Local number WB198

NEW LONDON COUNTY
Well 413457072252201 Local number CO335
Well 412013072030601 Local number GT19
Well 412931071514201 Local number NSN77
Well 412746071510601 Local number NSN78
Well 412824072173301 Local number SM7

TOLLAND COUNTY
Well 414833072190301 Local number CV51
Well 415458072291901 Local number EL82
Well 415640072275801 Local number EL139
Well 415312072280201 Local number EL140
Well 414548072114501 Local number MS19
Well 414741072134501 Local number MS44
Well 414825072185601 Local number MS45
Well 414825072185602 Local number MS46
Well 414843072182601 Local number MS74
Well 414815072183401 Local number MS75
Well 414814072183101 Local number MS76
Well 414844072182701 Local number MS77

WINDHAM COUNTY
Well 414054071552001 Local number PL1
Well 414243072040501 Local number SC19
Well 414237072034401 Local number SC20
Well 414240072032201 Local number SC21
Well 414240072033201 Local number SC22
Well 414240072032202 Local number SC23

Records of Ground-Water Levels

Water-level data from a national and state network of observation wells are given in this report. These data are intended to provide a historical record of water-level changes in the State. Locations of the observation wells in this network in Connecticut are shown in figure 4.

In this report, records of water levels are presented for 71 wells, obtained through cooperative efforts of the U.S. Geological Survey and the Connecticut Department of Environmental Protection.The records are placed in computer storage, and information about the availability of the data in the water-level file may be obtained from the U.S. Geological Survey, Connecticut District.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, composed of an abbreviation of the town name and a sequential number.

Water-level records are obtained from direct measurements with a steel tape, from a recorder graph, or from a punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description and measurements are reported to the nearest hundredth of a foot.

Data Presentation

Each well record consists of three parts—the station description, the data table of water levels observed during the water year, and a hydrograph of water levels observed during the most recent 3 water years. The description of the well is presented first through use of descriptive headings preceding the tabular data. The following comments clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification numbers 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 that supplies water 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 methods 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 measurements of the water level.

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.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published 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 below land-surface datum, and all taped measurements of water level are listed. For wells equipped with recorders, water-level lows are listed for every day. The highest and lowest water levels of the water year and their dates of occurrence are also shown. Missing records are indicated by dashes in places of water level.

A hydrograph of water levels observed during the most recent 3 water years follows the table of water levels for

each well. The water levels presented are referenced to both the land-surface datum at the site and to sea level. The line on the hydrograph represents the water-level trend, even though it is a solid line.

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

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey 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, depth of well, 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.

ACCESS TO USGS WATER DATA

The USGS 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 the most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed at:

http://water.usgs.gov

or locally for Connecticut at:

http://ct.water.usgs.gov

Some water-quality and ground-water data also are available through the WWW. Past years data for Connecticut are available on the District home page listed above. In addition, data can be provided in various machine-readable formats. Information about the availability of specific types of data or products, and users 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 organisms, 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 sam-

pler. A sample collected with a pressure-differential bedload 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:

$$\text{sphere } 4/3\ \pi r^3 \quad \text{cone } 1/3\ \pi r^3 h \quad \text{cylinder } \pi r^3 h.$$

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.

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 "Mean concentration of suspended sediment," "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:

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

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 physiog-

raphy, 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 synonymous with mhos and is the reciprocal of resistance in ohms.

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The USGS 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 USGS, 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-A10. *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 soluable 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 H.P. Guy and V.W. Norman: USGS–TWRI book 3, chap. C2. 1970. 59 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. 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.

SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remark Codes

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

PRINTED OUTPUT	REMARK
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.
k	Results based on colony count outside the acceptable range (non-ideal colony count)

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 to 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.

Change in National Trends Network Procedures

*NOTE.--Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable.

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT

LOCATION.--Lat 41°28'29", long 71°50'05", New London County, Hydrologic Unit 01090005, on left bank just upstream from twin culverts on Grindstone Hill Road, 0.1 mi west of State Route 49 in the township of North Stonington, 1.6 mi northwest of Clarks Falls, and 3.4 mi northeast of village of North Stonington.
DRAINAGE AREA.--4.02 mi^2.
PERIOD OF RECORD.--July l958 to current year.
REVISED RECORDS.--WDR CT-85-1: 1982 (P).
GAGE.--Water-stage recorder. Datum of gage is 152.90 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 70 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2000	93	3.49	Jun 2	1215	80	3.25
Mar 22	1000	187	3.74	Jun 12	0045	80	3.25
Mar 30	1700	177	5.04	Jun 17	1900	*244	*6.11

Minimum discharge, 0.52 ft^3/s, on several days, gage height, 0.97 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	2.3	4.5	9.0	7.4	20	13	38	6.1	8.7	4.5	.96	.92
2	2.2	4.2	6.7	6.7	17	12	29	5.7	47	5.2	.87	.82
3	2.2	3.9	5.4	6.1	14	11	24	5.2	38	3.7	.80	.76
4	1.8	3.6	5.0	5.7	e11	10	20	4.9	23	3.5	.87	.76
5	1.8	3.5	4.9	5.5	e11	10	18	4.4	16	6.6	.99	.76
6	2.2	3.4	4.6	6.3	15	11	19	4.0	13	4.7	.88	.69
7	2.3	3.4	4.2	5.9	15	12	21	3.7	10	3.4	.80	.65
8	2.0	3.4	3.9	5.6	13	11	25	3.6	8.6	3.2	.71	.64
9	1.8	3.4	3.7	6.0	12	11	24	3.5	7.3	3.2	.67	.61
10	1.9	9.7	3.6	5.2	22	12	23	3.3	6.0	2.5	.62	.61
11	1.8	11	4.7	5.0	20	13	18	3.1	7.5	2.8	.74	.60
12	1.8	6.2	5.7	4.9	14	14	21	2.8	48	3.0	1.7	.55
13	1.8	4.1	4.8	4.1	13	47	22	2.5	23	2.7	18	.52
14	1.7	7.2	11	4.3	12	40	18	2.3	19	2.3	8.0	.57
15	1.7	14	13	7.7	14	31	15	2.2	12	2.0	3.8	.74
16	1.8	8.4	9.1	9.3	14	27	14	2.2	9.0	1.6	2.2	.65
17	2.1	5.5	48	8.4	16	24	13	2.2	81	1.5	1.6	.58
18	2.4	4.3	55	7.2	e13	22	13	2.2	79	1.8	1.3	.55
19	4.7	3.6	30	10	e10	18	12	2.1	36	1.6	1.1	.52
20	3.9	3.3	28	16	e10	16	11	1.9	23	1.4	6.2	.52
21	3.5	3.1	21	e12	e10	19	11	1.8	17	1.2	11	3.1
22	3.3	2.9	18	e9.6	e8.2	e100	11	7.6	14	1.1	6.1	4.9
23	3.0	2.9	16	e8.0	e7.6	52	10	15	13	1.0	3.0	2.2
24	2.9	3.0	14	7.2	e7.1	33	9.3	29	13	.98	2.5	1.4
25	3.0	2.7	12	6.5	15	26	8.6	27	11	.91	1.8	1.9
26	3.0	12	9.9	6.0	39	22	8.0	21	9.3	8.2	1.4	2.6
27	3.0	20	8.8	5.7	23	21	7.5	47	7.5	6.3	1.2	1.6
28	3.3	12	8.1	5.4	16	19	7.2	25	6.0	3.0	1.3	1.2
29	3.4	8.2	7.2	5.0	---	17	6.6	18	5.0	1.9	1.1	1.1
30	3.4	9.3	7.5	13	---	86	6.3	13	4.5	1.4	.95	1.0
31	4.1	---	7.9	24	---	70	---	11	---	1.1	.93	---
TOTAL	80.1	186.7	390.7	239.7	411.9	830	483.5	283.3	615.4	88.29	84.09	34.02
MEAN	2.58	6.22	12.6	7.73	14.7	26.8	16.1	9.14	20.5	2.85	2.71	1.13
MAX	4.7	20	55	24	39	100	38	47	81	8.2	18	4.9
MIN	1.7	2.7	3.6	4.1	7.1	10	6.3	1.8	4.5	.91	.62	.52
CFSM	.64	1.55	3.14	1.92	3.66	6.66	4.01	2.27	5.10	.71	.67	.28
IN.	.74	1.73	3.62	2.22	3.81	7.68	4.47	2.62	5.69	.82	.78	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

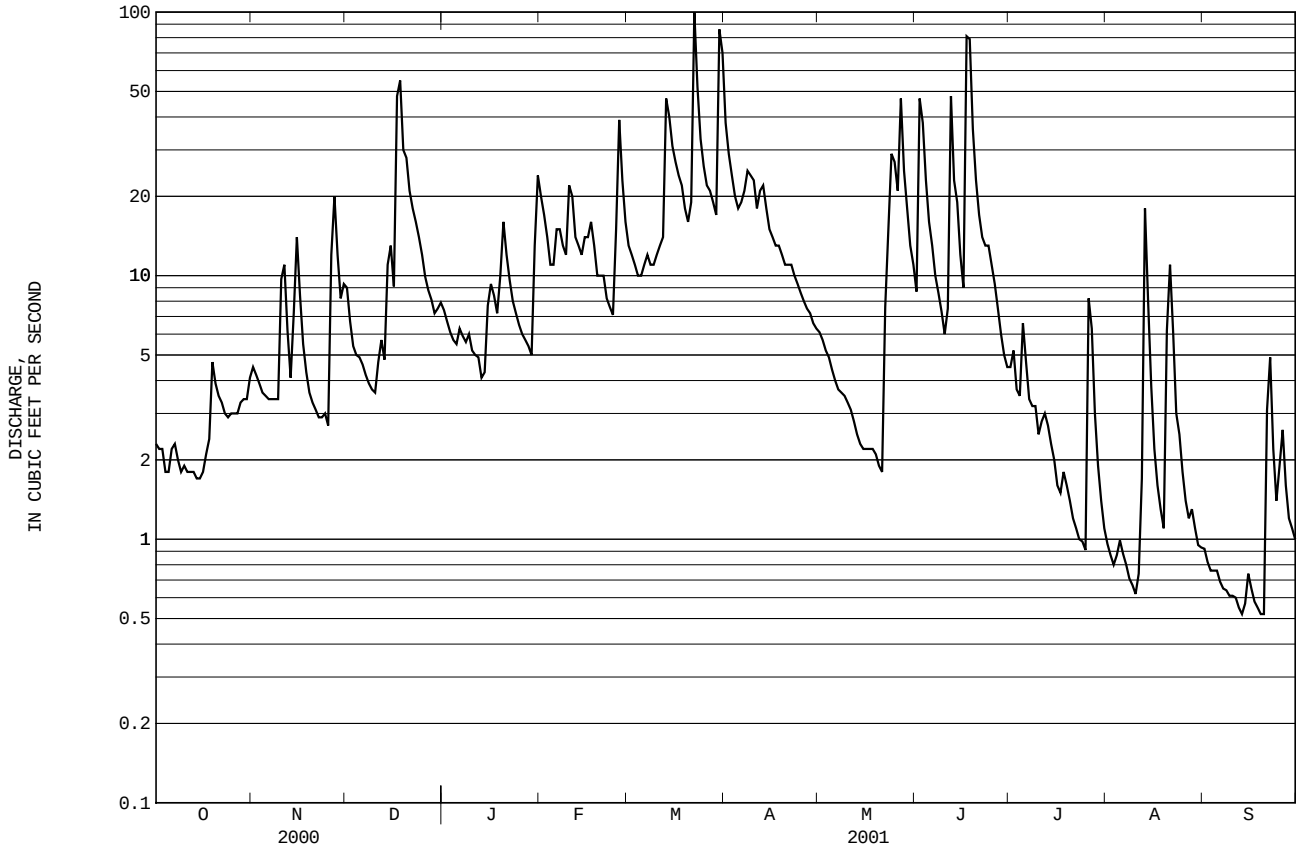
MEAN	3.78	7.93	11.9	12.2	12.7	16.6	15.3	10.5	6.63	2.57	2.10	2.05
MAX	14.9	19.7	28.8	43.6	22.4	31.5	48.2	23.2	32.4	10.5	12.4	10.4
(WY)	1990	1973	1987	1979	1982	1994	1983	1979	1982	1959	1986	1961
MIN	.83	1.12	1.83	1.69	2.95	6.91	4.29	3.93	.82	.17	.12	.049
(WY)	1964	1966	1966	1981	1980	1981	1999	1986	1999	1994	1999	1980

e Estimated.

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	3327.94		3727.70			
ANNUAL MEAN	9.09		10.2		8.67	
HIGHEST ANNUAL MEAN					13.1	1984
LOWEST ANNUAL MEAN					4.29	1966
HIGHEST DAILY MEAN	76	Apr 22	100	Mar 22	251	Mar 18 1968
LOWEST DAILY MEAN	.68	Jul 25	.52	Sep 13	.01	Sep 9 1980
ANNUAL SEVEN-DAY MINIMUM	.83	Jul 19	.59	Sep 8	.01	Sep 9 1980
MAXIMUM PEAK FLOW			244	Jun 17	375	Jun 5 1982
MAXIMUM PEAK STAGE			6.11	Jun 17	6.73	Jun 5 1982
INSTANTANEOUS LOW FLOW			**a** .52	Sep 11	.00	Aug 22 1987
ANNUAL RUNOFF (CFSM)	2.26		2.54		2.16	
ANNUAL RUNOFF (INCHES)	30.80		34.50		29.31	
10 PERCENT EXCEEDS	18		23		19	
50 PERCENT EXCEEDS	6.6		6.0		5.8	
90 PERCENT EXCEEDS	1.8		1.0		.59	

a Also occurred Sep. 12-14, 19, and 20.



01118500 PAWCATUCK RIVER AT WESTERLY, RI

LOCATION.--Lat 41°23'01", long 71°50'01", Washington County, Hydrologic Unit 01090005, on left bank at Westerly, 2.1 mi downstream from Shunock River.
DRAINAGE AREA.--295 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1940 to current year.
REVISED RECORDS.--WSP 1051: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1.76 ft below sea level.
REMARKS.--Records good; many days are adjusted for tidal backwater which lasts as much as 4 hours during times of high tide. Diurnal fluctuation at low flow prior to 1962 by mills upstream; regulation much greater prior to 1958. Diversion upstream for municipal supply of Westerly.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a discharge of 3,150 ft^3/s, by computation of flow over dam 1.5 mi upstream. Maximum discharge since 1886 occurred in November 1927 and was possibly more than twice that in March 1936. Maximum stage since at least 1635, 15.0 ft, Sep. 21, 1938, due to hurricane tidal wave.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,380 ft^3/s, Mar. 31, gage height, 8.54 ft; minimum discharge, 86 ft^3/s, Sept. 20, gage height, 4.13 ft.

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

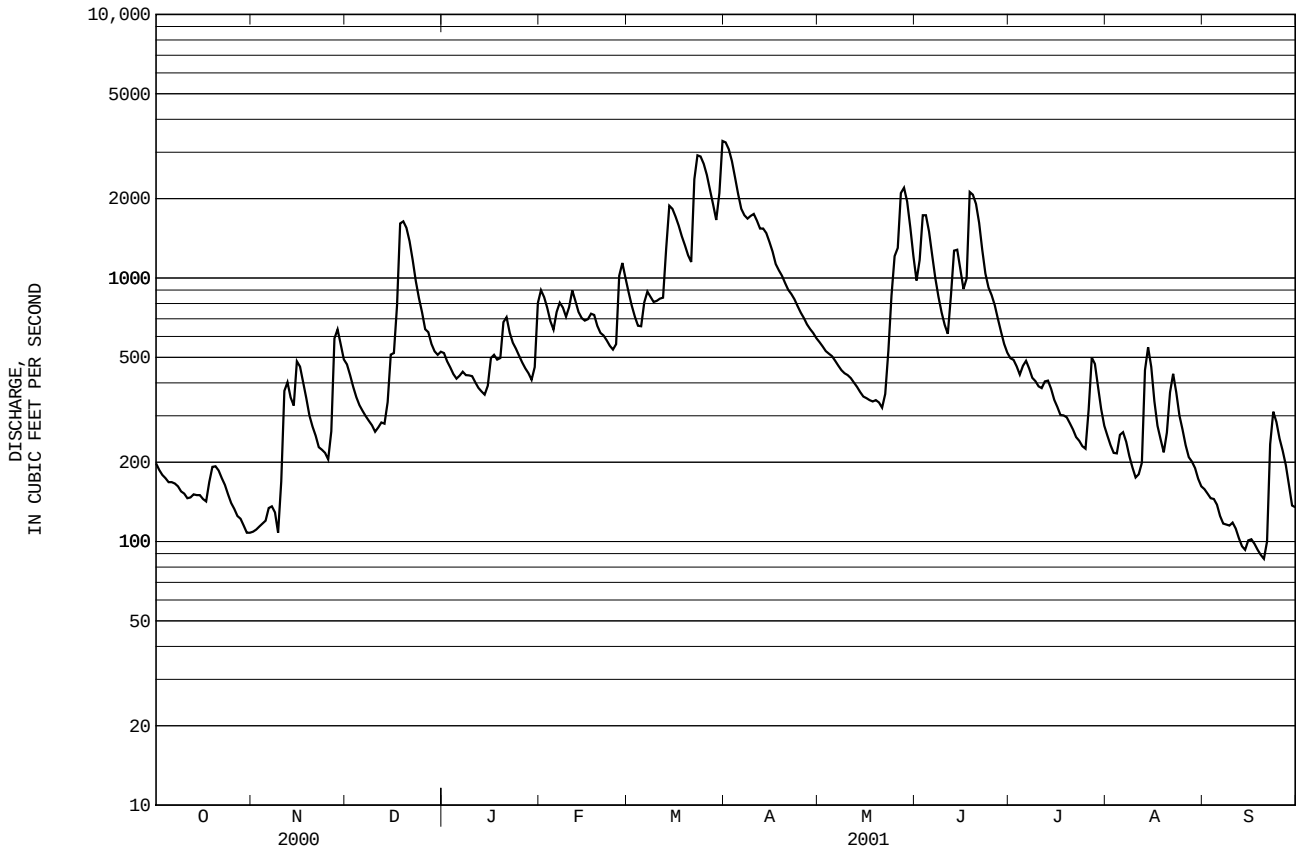
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	109	470	519	899	883	3270	571	978	496	252	158
2	187	111	428	483	846	786	3080	550	1170	489	232	152
3	179	114	386	458	770	713	2780	528	1730	462	217	146
4	174	117	353	432	686	659	2410	516	1730	430	216	145
5	168	120	329	415	637	656	2080	505	1500	464	254	138
6	168	134	313	426	743	808	1830	485	1220	485	260	125
7	166	136	299	441	806	888	1730	465	1000	453	239	117
8	162	129	287	428	772	848	1680	447	850	418	211	116
9	155	108	276	427	713	811	1720	435	741	406	191	115
10	152	169	261	424	776	819	1750	428	664	388	175	118
11	146	373	271	402	897	835	1650	417	614	382	180	112
12	147	402	283	383	818	842	1540	401	859	405	199	103
13	151	352	280	371	743	1290	1540	386	1270	408	447	96
14	150	328	338	361	705	1880	1480	369	1280	380	546	93
15	150	483	512	390	689	1830	1370	355	1080	345	460	101
16	145	461	519	497	698	1710	1260	350	908	324	341	102
17	142	402	787	511	732	1580	1130	344	995	302	275	98
18	168	350	1610	490	724	1440	1070	340	2120	301	244	93
19	192	301	1640	497	658	1330	1020	344	2070	296	218	89
20	193	273	1550	680	619	1220	957	337	1910	281	259	86
21	186	252	1380	710	605	1150	902	322	1620	266	368	100
22	174	228	1170	620	580	2370	869	363	1280	249	433	234
23	164	223	973	568	553	2920	830	529	1040	241	368	311
24	151	217	839	539	535	2890	782	857	920	230	301	284
25	140	205	740	507	561	2710	739	1210	861	225	266	246
26	133	262	639	478	1020	2460	705	1300	788	316	232	221
27	125	590	623	454	1140	2160	667	2100	700	499	209	195
28	122	638	562	435	1000	1900	640	2200	625	472	201	164
29	115	561	527	411	---	1660	618	1950	562	386	190	137
30	108	491	511	459	---	2100	591	1560	521	318	173	135
31	108	---	525	803	---	3310	---	1210	---	275	162	---
TOTAL	4819	8639	19681	15019	20925	47458	42690	22174	33606	11392	8319	4330
MEAN	155	288	635	484	747	1531	1423	715	1120	367	268	144
MAX	198	638	1640	803	1140	3310	3270	2200	2120	499	546	311
MIN	108	108	261	361	535	656	591	322	521	225	162	86
CFSM	.53	.98	2.15	1.64	2.53	5.19	4.82	2.42	3.80	1.25	.91	.49
IN.	.61	1.09	2.48	1.89	2.64	5.98	5.38	2.80	4.24	1.44	1.05	.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	258	447	656	752	822	1054	991	716	510	265	234	218
MAX	1186	1450	1789	2151	1377	1775	2603	1274	2246	642	763	1233
(WY)	1956	1956	1987	1979	1982	1994	1983	1948	1982	1959	1946	1954
MIN	87.2	93.2	115	131	325	495	371	325	210	98.5	71.9	65.7
(WY)	1950	1966	1966	1981	1980	1981	1966	1986	1942	1957	1999	1964

01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	208174		239052			
ANNUAL MEAN	569		655		578	
HIGHEST ANNUAL MEAN					871	1973
LOWEST ANNUAL MEAN					251	1981
HIGHEST DAILY MEAN	2490	Apr 24	3310	Mar 31	6220	Jun 6 1982
LOWEST DAILY MEAN	108	Oct 30	86	Sep 20	25	Aug 17 1941
ANNUAL SEVEN-DAY MINIMUM	112	Oct 29	95	Sep 14	47	Sep 2 1995
MAXIMUM PEAK FLOW			3380	Mar 31	7070	Jun 6 1982
MAXIMUM PEAK STAGE			8.54	Mar 31	12.86	Jun 6 1982
INSTANTANEOUS LOW FLOW			86	Sep 20		
ANNUAL RUNOFF (CFSM)	1.93		2.22		1.96	
ANNUAL RUNOFF (INCHES)	26.25		30.14		26.64	
10 PERCENT EXCEEDS	1150		1570		1200	
50 PERCENT EXCEEDS	438		459		450	
90 PERCENT EXCEEDS	166		144		127	



01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1963, 1976 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1978 to September 1992.
WATER TEMPERATURES: June 1978 to September 1992.
INSTRUMENTATION.--Water-quality monitor June 1978 to September 1992.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 354 microsiemens June 25, 1985; minimum, 27 microsiemens June 7, 1982.
WATER TEMPERATURES: Maximum, 30.0°C Aug. 9, 1980, Aug. 17, 18, 1987; minimum, 0.0°C on many days during the winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)
NOV													
20...	1210	269	109	7.0	8.5	6.5	100	1.8	11.5	93	24	<1.0	19k
MAR													
15...	1300	1840	90	6.4	11.0	4.0	50	2.1	12.8	98	15	<1.0	6k
JUN													
27...	1100	702	88	6.6	32.5	22.5	--	--	8.2	93	--	<1.0	58
AUG													
13...	1145	505	139	7.4	25.0	23.0	35	4.6	7.8	91	--	<1.0	8300k
SEP													
19...	0930	--	--	--	23.0	18.5	--	--	--	--	--	--	--

DATE	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV													
20...	14k	17	4.64	1.34	13.6	1.44	.0	15	12	10.8	14.9	E.1	9.9
MAR													
15...	52	11	2.86	.875	11.0	1.00	.0	9	7	7.6	14.3	E.1	5.6
JUN													
27...	25	14	3.90	1.13	10.4	1.02	.0	6	5	6.2	14.7	E.1	7.9
AUG													
13...	5220k	24	6.69	1.74	15.4	1.61	.0	16	13	16.1	17.1	E.1	7.3
SEP													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
NOV													
20...	81	<10	83	<.006	.248	E.026	.46	.44	.71	.044	.036	.023	--
MAR													
15...	55	<10	60	<.006	.201	<.041	.36	.22	.56	.026	.010	<.018	157
JUN													
27...	72	<10	58	.015	.253	<.040	.41	.36	.66	.057	.033	.018	172
AUG													
13...	86	<10	84	.007	.574	E.034	.44	.32	1.0	.099	.064	.040	158
SEP													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
NOV													
20...	108	.16	<2	11.1	.12	<.10	1.0	.08	1.3	--	370	.51	--
MAR													
15...	84	.06	<2	8.4	.08	--	<.8	.10	.6	240	110	.26	76
JUN													
27...	98	.10	<2	12.8	.13	<.10	E.6	.16	.8	890	460	E.77	70
AUG													
13...	35	.12	<2	15.0	<.06	<.10	<.8	.09	.5	600	200	<1.00	119
SEP													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

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

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	PHENOLS TOTAL (UG/L) (32730)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)
NOV													
20...	26.3	<.10	E.1	.39	<1.0	4	.08	11	<16	3	2.2	81	--
MAR													
15...	37.8	<.14	<.2	.24	<1.0	4	.03	6.6	E8	5	25	46	--
JUN													
27...	58.6	<.01	E.1	.35	<.2	4	.08	9.6	--	8	15	93	--
AUG													
13...	24.5	<.01	E.2	.09	<.2	2	.04	6.8	--	12	16	72	--
SEP													
19...	--	--	--	--	--	--	--	--	--	--	--	--	<.2

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39758)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	ENDO-SULFAN I TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39389)	P,P'-DDD, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39373)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)
NOV													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
19...	<3	<.2	<.2	<.2	<.2	<.2	<5	<50	<.2	<.5	<.2	<.5	<2

01118668 WHITFORD BROOK BELOW WILLIAMS BROOK NEAR OLD MYSTIC, CT

LOCATION.--Lat 41°24'30", long 71°57'49", New London County, Hydrologic Unit 01090005, on right bank approximately 400 ft downstream from road intersection of Gallop Hill Road and Shewville Road, and 1.2 mi north of Old Mystic.
DRAINAGE AREA.--12.0 mi^2.
PERIOD OF RECORD.--August 1999 to current year.
GAGE.--Water-stage recorder. Datum of gage is approximately 34 ft above sea level, from topographic map. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 785 ft^3/s, June 18, gage height, 3.88 ft (determined from rating curve extension above 100 ft); minimum discharge, 0.31 ft^3/s, Sep. 19, 20, gage height, 0.76 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	3.4	6.6	25	e11	57	46	174	18	16	12	2.7	1.8
2	3.2	6.7	19	e11	47	40	109	17	38	13	2.3	1.3
3	2.9	6.5	13	e12	41	37	85	17	77	11	2.1	1.2
4	2.5	6.1	8.9	e12	34	34	76	19	50	10	2.0	1.0
5	2.6	6.1	8.9	13	34	35	70	19	35	16	1.9	.99
6	3.1	5.7	9.0	12	47	73	67	17	27	17	1.9	.88
7	3.2	5.6	8.3	13	49	42	70	14	22	13	1.8	.71
8	2.9	5.8	7.6	12	42	38	68	15	18	11	1.7	.87
9	2.9	6.0	7.2	13	37	37	67	17	15	10	1.5	.97
10	2.9	11	6.7	17	50	43	70	16	13	7.5	1.5	1.1
11	2.8	22	8.0	20	58	44	65	14	12	7.5	1.4	.89
12	2.3	19	10	12	59	45	61	12	38	9.2	2.1	.62
13	2.1	13	8.7	20	39	93	65	10	42	8.0	35	.60
14	2.0	13	20	13	38	154	56	10	28	6.8	40	.79
15	1.8	33	41	14	40	99	46	8.5	21	5.7	18	.96
16	1.9	32	31	21	40	81	42	7.9	17	4.8	9.1	.79
17	2.2	20	56	21	44	73	39	8.7	101	4.4	5.3	.64
18	2.9	14	121	19	40	67	39	9.3	487	4.3	3.9	.55
19	4.8	13	75	22	34	61	38	7.3	139	4.0	3.8	.50
20	5.0	9.2	53	40	32	53	35	7.2	75	3.6	6.1	.50
21	4.8	7.3	45	49	33	52	35	5.7	52	3.2	19	3.7
22	4.7	5.4	33	56	29	340	33	8.8	39	2.9	15	11
23	4.2	4.5	25	45	28	240	31	19	35	2.8	7.9	7.8
24	4.1	3.9	21	28	27	119	29	41	31	2.7	6.3	3.2
25	4.0	3.3	e17	21	32	89	31	39	26	2.5	4.7	3.8
26	4.2	15	e14	22	93	76	29	30	26	7.3	3.3	8.9
27	4.5	54	e13	18	79	71	26	44	24	14	2.7	5.0
28	4.8	48	e11	18	57	65	23	40	20	8.7	2.8	3.4
29	4.5	28	e12	24	---	58	20	30	17	5.8	2.6	3.1
30	4.8	23	e12	26	---	197	18	25	15	4.0	2.1	3.2
31	6.2	---	e11	65	---	448	---	20	---	3.1	1.9	---
TOTAL	108.2	446.7	751.3	700	1240	2950	1617	566.4	1556	235.8	212.4	70.76
MEAN	3.49	14.9	24.2	22.6	44.3	95.2	53.9	18.3	51.9	7.61	6.85	2.36
MAX	6.2	54	121	65	93	448	174	44	487	17	40	11
MIN	1.8	3.3	6.7	11	27	34	18	5.7	12	2.5	1.4	.50

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

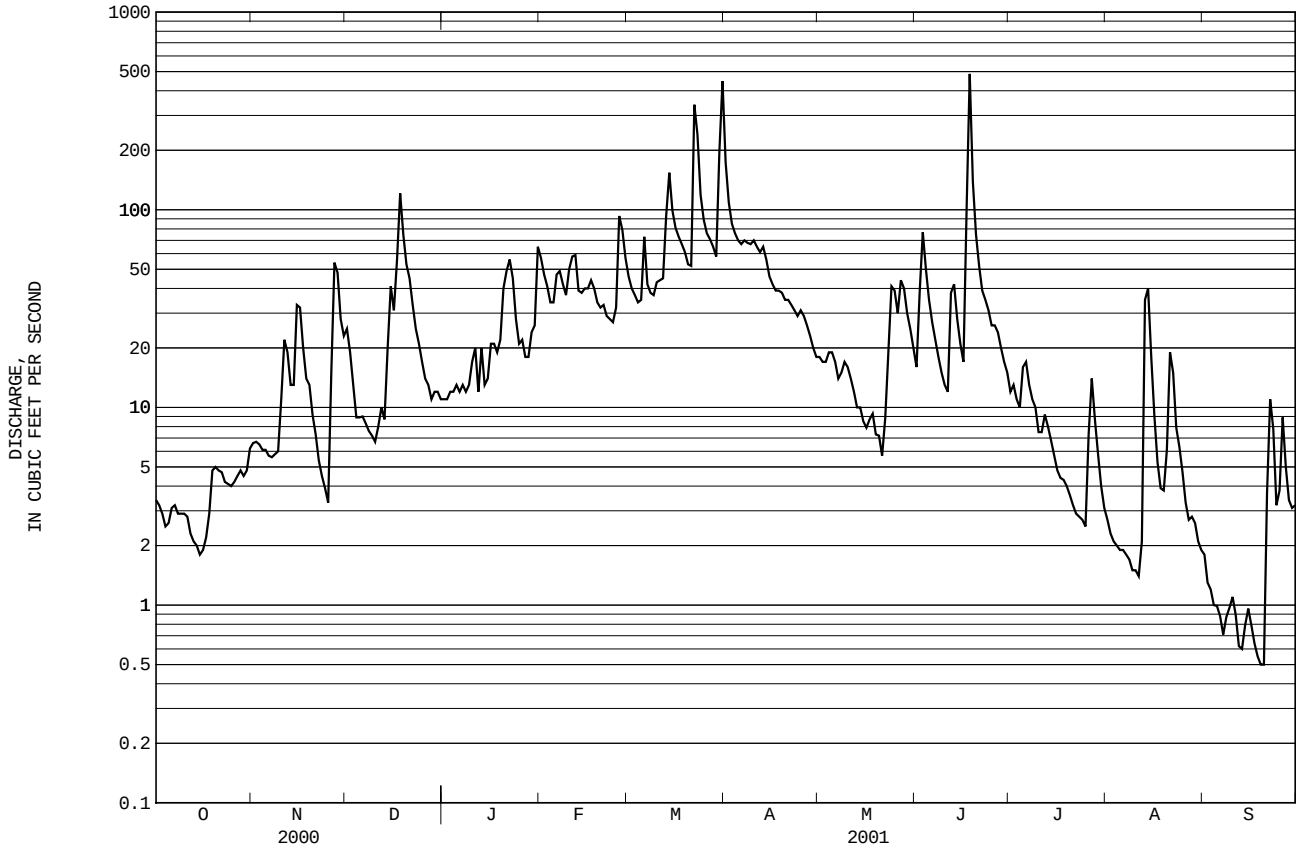
MEAN	9.28	15.9	23.1	24.3	36.6	69.5	51.3	23.2	42.7	6.60	7.57	5.77
MAX	15.1	16.9	24.2	26.0	44.3	95.2	53.9	28.1	51.9	7.61	8.28	8.41
(WY)	2000	2000	2001	2000	2001	2001	2001	2000	2001	2001	2000	2000
MIN	3.49	14.9	22.1	22.6	29.2	43.8	48.8	18.3	33.6	5.59	6.85	2.36
(WY)	2001	2001	2000	2001	2000	2000	2000	2001	2000	2000	2001	2001

e Estimated.

01118668 WHITFORD BROOK BELOW WILLIAMS BROOK NEAR OLD MYSTIC, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	8339.4		10454.56			
ANNUAL MEAN	22.8		28.6		26.2	
HIGHEST ANNUAL MEAN					28.6	2001
LOWEST ANNUAL MEAN					23.7	2000
HIGHEST DAILY MEAN	240	Apr 22	487	Jun 18	487	Jun 18 2001
LOWEST DAILY MEAN	1.8	Oct 15	.50	Sep 19	.01	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 11	.68	Sep 14	.01	Aug 31 1999
MAXIMUM PEAK FLOW			**a**785	Jun 18	785	Jun 18 2001
MAXIMUM PEAK STAGE			3.88	Jun 18	3.88	Jun 18 2001
INSTANTANEOUS LOW FLOW			**b** .31	Sep 19	.01	Sep 2 1999
10 PERCENT EXCEEDS	48		65		52	
50 PERCENT EXCEEDS	16		15		16	
90 PERCENT EXCEEDS	3.5		2.2		2.7	

a From rating curve extented above 100 ft.
b Also occurred Sep. 20.



01119040 POQUONOCK RIVER NEAR GROTON, CT

LOCATION.--Lat 41°19'00", long 72°03'43", New London County, Hydrologic Unit 01100003, at pier on east side of Avery Point, University of Connecticut, 2 mi south of Groton, at mouth of Poquonock River in Long Island Sound.
PERIOD OF RECORD.--January 1973 to current year.
GAGE.--Water-stage recorder. Datum of gage is sea level. Jan. 1973 to Apr. 30,1982, at same site but datum was 2.02 ft below sea level. May 1, 1982 to May 4, 1986, at same site but datum was 2.80 ft below sea level. May 5, 1986 to Mar. 24, 1998, at same site but datum was 10 ft below sea level. Datum changed to sea level on Mar. 25, 1998. Telephone telemetry at station.
REMARKS.--Stage data in feet at 5-minute intervals available upon request.
EXTREMES FOR PERIOD OF RECORD.-- Maximum tidal elevation, 6.63 ft, Feb. 6, 1978; minimum, -5.02 ft, Feb. 2, 1976.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum tidal elevation, 9.7 ft, Sept. 21, 1938 at site 2.7 mi upstream on Thames River at New London Pier and at same datum, gage operated by National Ocean Survey.
EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.58 ft, Mar. 7; minimum, -3.12 ft, Feb. 11.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001[a]

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Maximum high tide	Elevation	3.40	4.12	4.31	3.72	3.50	4.58	3.32	3.42	3.31	3.38	3.24	3.80
	Date	28	10	12	9	5	7	9	23	22	19	18	30
	Time	0930	0805	0935	0820	1820	1710	2220	2115	2155	2010	2020	0805
Minimum high tide	Elevation	-0.99	-1.24	-2.52	-1.41	-3.12	-1.93	-1.31	-1.37	-1.06	-0.93	-0.84	-0.72
	Date	11	23	12	11	11	12	25	8	21	23	19	17
	Time	0145	0040	1645	1650	1755	0540	0425	0410	0315	0520	0310	1520

a.Time shown is Eastern standard.

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01119375 WILLIMANTIC RIVER AT MERROW, CT

LOCATION.--Lat 41°50'07", long 72°18'38", Tolland County, Hydrologic Unit 01100002, at bridge on State Highway 195, 0.7 mi upstream from Merrow, 0.8 mi downstream from Newcomb Brook, and 1.5 mi upstream from Winding Brook.
DRAINAGE AREA.--94.0 mi^2.
PERIOD OF RECORD.--Water year l974 to current year.
REMARKS.--Discharges shown for this location are computed by determining the discharge for station 01119384, 2.0 mi downstream, and adjusting its discharge by multiplying by a factor of 0.98, which is the ratio of the two stations' drainage areas.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
14...	1105	61	120	7.4	9.5	8.5	1.3	11.0	96	1800	152	21	5.48
JAN													
22...	1545	103	119	6.9	-4.0	.0	1.8	13.4	92	320k	400	20	5.06
MAR													
20...	1510	361	106	6.8	13.0	5.5	1.1	13.1	103	1k	11k	17	4.24
MAY													
08...	1300	68	121	7.2	20.5	17.5	1.2	9.9	103	2k	5k	21	5.44
JUN													
25...	1245	126	92	6.8	27.5	22.0	2.5	8.7	101	96	60	18	4.62
JUL													
12...	1345	46	118	7.6	22.0	21.0	1.9	9.5	109	46	116	22	5.38
AUG													
15...	1250	47	116	7.2	26.0	23.0	2.1	7.5	88	70	96	22	5.73
SEP													
12...	1015	13	201	7.4	23.5	18.5	1.1	8.9	96	15k	37	33	8.67

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
14...	1.84	11.7	2.35	.0	13	11	13.0	14.7	E.1	9.4	78	72	E.005
JAN													
22...	1.88	12.9	1.48	.0	9	8	10.6	18.9	<.2	10.3	76	76	E.003
MAR													
20...	1.53	10.8	1.26	.0	7	6	8.7	16.9	<.2	8.2	69	60	E.005
MAY													
08...	1.87	13.4	1.57	.0	12	10	11.5	19.6	<.2	6.4	83	82	E.004
JUN													
25...	1.60	9.4	1.10	.0	8	6	7.4	14.1	<.2	8.3	69	78	.006
JUL													
12...	1.96	12.4	1.81	.0	12	10	10.1	18.0	<.2	7.3	80	76	.009
AUG													
15...	1.97	11.5	2.16	.0	13	11	9.8	16.7	<.2	7.2	77	70	E.003
SEP													
12...	2.76	23.3	3.27	.0	18	15	20.1	31.1	.2	6.3	107	114	E.004

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
14...	.604	.057	.27	.32	.30	.93	.015	.008	<.018	35	.06	10.1	<.06
JAN													
22...	.346	.180	.22	.40	.38	.74	.018	.015	<.018	31	.13	9.6	<.06
MAR													
20...	.351	.092	.24	.34	.23	.69	.020	.008	<.018	44	E.03	9.9	<.06
MAY													
08...	.317	<.041	--	.34	.21	.65	.019	.010	<.018	22	E.03	9.5	<.06
JUN													
25...	.232	<.040	--	.31	.21	.54	.037	.018	<.020	39	E.04	8.7	<.06
JUL													
12...	.401	<.040	--	.35	.29	.76	.029	.020	<.020	26	.05	7.9	<.06
AUG													
15...	.358	<.040	--	.37	.33	.73	.029	.015	<.020	24	.06	8.7	<.06
SEP													
12...	1.09	<.040	--	.31	.28	1.4	.014	.007	<.020	8	.08	11.5	<.06

01119375 WILLIMANTIC RIVER AT MERROW, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
14...	<.04	<.8	.11	1.9	250	.35	12.7	<.2	1.54	<1.0	4	E.02	5.8
JAN													
22...	<.04	<.8	.19	1.4	210	.21	30.2	<.2	1.40	<1.0	5	E.01	4.4
MAR													
20...	<.04	<.8	.27	1.1	130	.16	35.2	<.2	1.24	<1.0	7	E.01	3.6
MAY													
08...	<.04	<.8	.14	1.2	200	.26	21.6	<.2	1.02	<1.0	3	E.01	3.7
JUN													
25...	E.03	<.8	.16	1.5	280	.36	19.3	<.2	1.41	<1.0	2	.03	6.7
JUL													
12...	<.04	E.4	.12	1.4	340	.15	11.9	.2	1.29	<1.0	2	E.01	4.9
AUG													
15...	<.04	<.8	.14	1.5	370	.38	23.8	E.2	1.09	<1.0	3	<.02	6.2
SEP													
12...	E.02	E.6	.16	2.2	110	.21	19.5	.4	1.51	<1.0	4	<.02	3.9

01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT

LOCATION.--Lat 41°45'02", long 72°15'58", Tolland County, Hydrologic Unit 01100002, on left bank 700 ft upstream from bridge on State Rt. 31, 1 mi downstream from Mill Brook, 2.4 mi southeast of South Coventry, 2.8 mi upstream from Hop River and 6.3 mi upstream from mouth..
DRAINAGE AREA.--121 mi^2.
PERIOD OF RECORD.--Discharge: September 1931 to current year. Water-quality records: Water years 1956-57, 1963-64, 1975-80.
REVISED RECORDS.--WSP 781" 1034 (m). WSP 851: 1935-36. WSP 1201: 1932 (M,m), 1933-34, 1937, 1939-42. WDR 79-1: 1978 (m). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 239.05 ft above sea level (levels by Corps of Engineers).
REMARKS.--Records fair except those for periods of estimated record, which are poor. Natural flow of stream regulated by Staffordville Reservoir. High streamflow regulated by six flood-detention reservoirs in Middle River Basin, combined usable flood capacity, 305,400,000 ft^3.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 18	0029	1,120	6.39	Jun 17	1915	1,290	6.74
Mar 22	----	(**a**)	(**a**)				

Minimum discharge, 14 ft^3/s, Sep. 10, 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	83	38	108	e110	219	197	e700	e125	148	100	19	23
2	80	39	e90	e108	187	181	e550	e120	337	105	18	19
3	68	39	e72	e110	e158	170	e480	e110	402	90	17	18
4	59	37	e65	e120	e150	159	e440	e100	294	80	83	19
5	55	37	e62	e110	e147	193	e400	e95	226	105	120	19
6	62	35	e58	e108	566	694	e420	e90	177	121	66	18
7	67	38	e56	e107	152	209	e460	e80	149	91	43	17
8	68	36	e54	e107	e133	173	e650	e75	134	76	31	16
9	64	40	e52	e107	133	159	e550	e70	118	74	28	15
10	59	130	e51	e106	199	177	e440	e65	106	78	29	15
11	57	191	e57	e105	e170	182	e380	e60	106	79	40	17
12	55	122	e65	e105	e152	184	e420	e60	186	81	69	16
13	56	91	75	e105	e148	319	e380	e60	139	67	127	16
14	52	88	95	e105	e148	392	e340	e55	110	59	117	31
15	47	147	108	106	e147	360	e290	e50	99	54	75	37
16	44	118	89	108	e152	374	e260	e50	85	49	52	29
17	50	95	590	106	e192	418	e240	e50	607	46	39	24
18	51	80	891	e104	e160	505	e220	e48	877	47	40	25
19	72	71	491	e102	e138	e480	e220	e47	478	46	33	23
20	63	68	344	160	e136	e500	e210	e46	296	40	45	22
21	58	64	e220	452	e134	e1000	e200	e44	423	38	50	68
22	53	58	e180	e360	e132	e2200	e210	e80	355	33	42	65
23	47	55	e160	e260	e131	e1500	e200	e200	275	29	33	46
24	50	48	e145	e160	e131	e900	e180	e360	233	28	30	34
25	50	45	e131	e115	e140	e700	e170	e300	206	27	27	51
26	47	79	e120	e95	312	e550	e160	e260	172	27	23	56
27	60	149	e114	e90	284	e500	e155	e280	141	30	34	48
28	48	120	e110	e85	245	e420	e150	e200	122	28	46	39
29	43	98	e108	e84	---	e400	e140	e160	101	25	32	41
30	40	100	e135	e84	---	e1600	e130	209	89	22	27	48
31	38	---	e115	225	---	e1100	---	181	---	20	25	---
TOTAL	1746	2356	5011	4209	5096	16896	9745	3730	7191	1795	1460	915
MEAN	56.3	78.5	162	136	182	545	325	120	240	57.9	47.1	30.5
MAX	83	191	891	452	566	2200	700	360	877	121	127	68
MIN	38	35	51	84	131	159	130	44	85	20	17	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

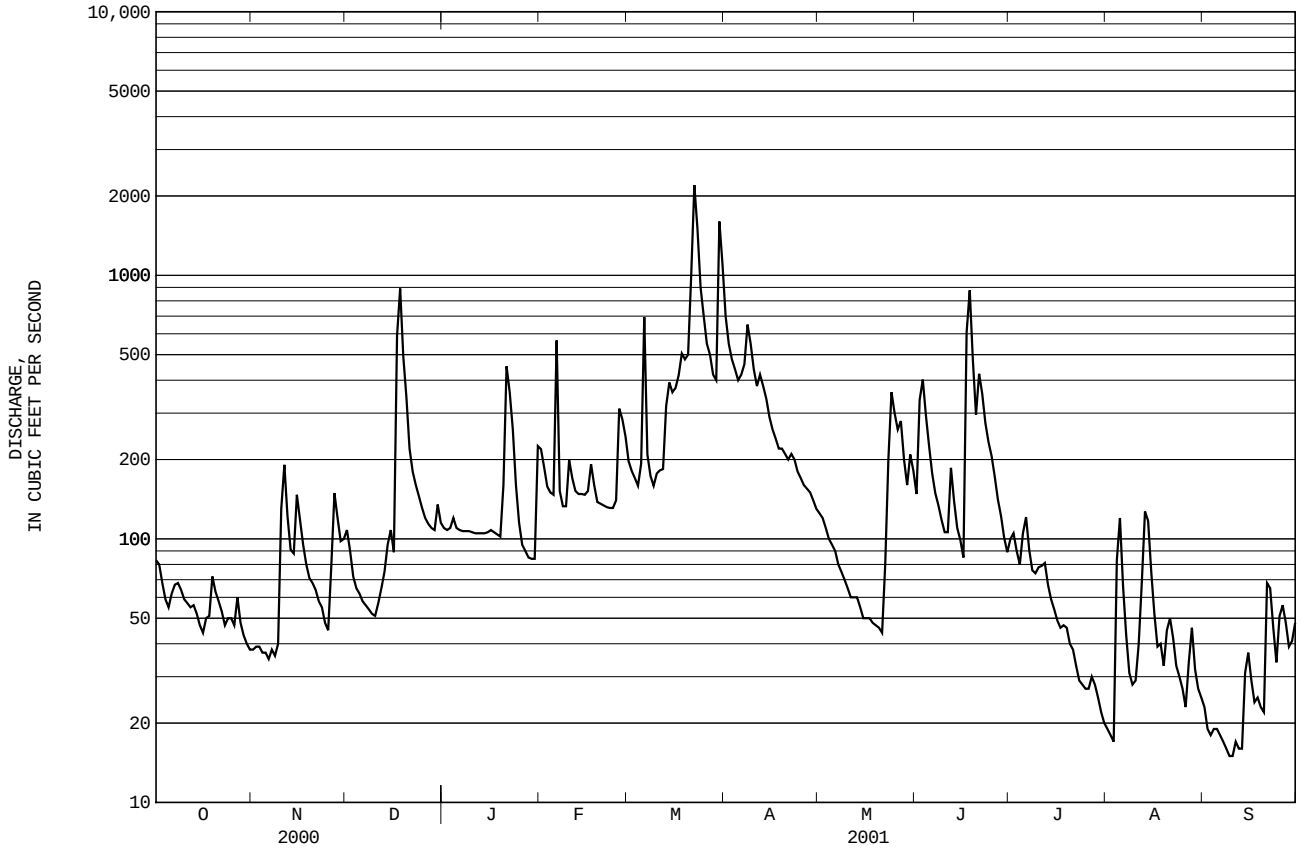
MEAN	115	185	239	267	268	413	400	260	180	91.5	88.9	96.8
MAX	606	631	761	929	619	1050	897	596	869	421	972	1176
(WY)	1956	1956	1997	1979	1970	1936	1940	1989	1982	1938	1955	1938
MIN	15.5	29.0	61.9	35.6	86.3	195	145	108	35.9	22.2	12.4	14.5
(WY)	1958	1932	1932	1981	1980	1989	1985	1957	1999	1957	1999	1957

a Maximum daily discharge 2,200 ft^3/s estimated from hydrograph comparison.
e Estimated.

01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1932 - 2001	
ANNUAL TOTAL	75641		60150			
ANNUAL MEAN	207		165		217	
HIGHEST ANNUAL MEAN					370	1938
LOWEST ANNUAL MEAN					97.9	1965
HIGHEST DAILY MEAN	2300	Apr 22	2200	Mar 22	12900	Sep 21 1938
LOWEST DAILY MEAN	30	Sep 1	15	Sep 9	2.5	Sep 18 1949
ANNUAL SEVEN-DAY MINIMUM	36	Aug 27	16	Sep 7	7.6	Aug 30 1999
MAXIMUM PEAK FLOW			**c**	Mar 22	**a**24200	Aug 19 1955
MAXIMUM PEAK STAGE			**c**	Mar 22	**b**18.66	Aug 19 1955
INSTANTANEOUS LOW FLOW			14	Sep 10	2.0	Aug 21 1949
10 PERCENT EXCEEDS	436		400		450	
50 PERCENT EXCEEDS	144		102		148	
90 PERCENT EXCEEDS	47		30		35	

a From rating curve extended above 3,600 ft^3/s on basis of computation of flow over dam at gage height 12.2 ft, and contracted opening measurement of peak flow.
b From floodmarks.
c Peak stage and peak discharge not determined; Daily discharge estimated 2,200 ft^3/s.



01120800 NATCHAUG RIVER AT CHAPLIN, CT

LOCATION.--Lat 41°48'03", long 72°07'07", Windham County, Hydrologic Unit 01100002, on left bank at upstream side of bridge on Bear Hill Rd., northeast of Chaplin.
DRAINAGE AREA.--67.9 mi^2.
PERIOD OF RECORD.--May 1962 to September 1964, March 1995 to present.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
14...	1410	41	80	7.1	9.5	8.5	1.1	11.2	97	18k	12k	20	4.84
JAN													
22...	1100	72	77	7.5	-0.5	.0	1.1	13.5	92	9k	10k	18	4.48
MAR													
20...	1015	246	77	7.1	16.0	1.5	1.0	14.1	99	7k	32	15	3.62
MAY													
08...	0945	29	82	7.8	17.0	13.0	.8	11.0	104	11k	3k	19	4.92
JUN													
25...	0925	71	70	7.2	24.0	20.0	2.1	8.9	100	200k	116	17	4.26
JUL													
12...	1030	46	86	7.9	21.0	20.0	1.2	9.6	108	34	90	20	5.17
AUG													
15...	0945	40	92	7.6	25.5	21.0	4.6	8.5	97	120	308k	22	5.68
SEP													
11...	1130	5.5	109	7.7	--	21.5	.7	9.1	105	30	72	28	7.19

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
14...	1.81	6.1	1.43	.0	13	11	5.5	10.2	<.2	8.0	56	55	<.006
JAN													
22...	1.71	6.0	1.13	.0	11	9	6.0	10.1	<.2	9.6	55	56	<.006
MAR													
20...	1.36	6.8	1.00	.0	7	6	5.7	11.2	<.2	7.6	48	52	<.006
MAY													
08...	1.69	8.1	1.10	.0	26	21	6.1	12.5	<.2	5.3	67	54	<.006
JUN													
25...	1.49	6.3	.93	.0	11	9	4.4	9.7	<.2	7.8	62	48	E.005
JUL													
12...	1.79	7.3	1.14	.0	14	12	4.5	11.1	<.2	7.5	66	62	E.004
AUG													
15...	1.99	7.7	1.54	.0	14	12	7.0	11.8	<.2	7.7	64	52	<.006
SEP													
11...	2.34	9.6	1.61	.0	21	17	6.1	16.5	<.2	6.9	64	65	E.003

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
NOV													
14...	.075	<.041	.28	.28	.36	.011	.007	<.018	27	.05	6.3	<.06	<.04
JAN													
22...	.203	E.038	.33	.28	.53	.011	.010	<.018	40	.05	6.4	<.06	<.04
MAR													
20...	.230	E.022	.46	.16	.69	.013	.006	<.018	42	E.02	6.5	<.06	<.04
MAY													
08...	.130	<.041	.24	.17	.37	.009	E.005	<.018	17	<.05	6.3	<.06	<.04
JUN													
25...	.139	<.040	.26	.19	.39	.022	.012	<.020	38	E.03	6.1	<.06	<.04
JUL													
12...	.160	<.040	.27	.21	.43	.014	.011	<.020	28	E.03	5.8	<.06	<.04
AUG													
15...	.145	<.040	.38	.31	.52	.020	.010	<.020	24	.07	7.0	<.06	<.04
SEP													
11...	.180	<.040	.22	.17	.40	.009	E.005	<.020	9	E.03	6.7	<.06	<.04

01120800 NATCHAUG RIVER AT CHAPLIN, CT--Continued

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

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV												
14...	<.8	.05	.5	210	.14	4.6	<.2	.35	<1.0	2	.04	7.2
JAN												
22...	<.8	.07	.6	270	.13	13.6	<.2	.43	<1.0	2	.03	4.7
MAR												
20...	<.8	.08	.4	110	.08	15.2	<.2	.39	<1.0	3	.03	4.1
MAY												
08...	<.8	.06	.4	120	E.08	8.0	<.2	.16	<1.0	<1	.03	3.5
JUN												
25...	E.7	.07	.6	230	.24	9.3	<.2	.49	<1.0	1	.04	7.1
JUL												
12...	E.4	.07	.5	310	<.08	6.8	E.1	.37	<1.0	<1	.05	5.3
AUG												
15...	<.8	.07	.6	320	.14	9.4	E.2	.28	<1.0	1	<.02	6.6
SEP												
11...	E.5	.06	.5	80	E.05	11.9	.2	.09	<1.0	<1	E.02	3.3

01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT

LOCATION.--Lat 41°50'37", long 72°10'10", Windham County, Hydrologic Unit 01100002, on left bank 250 ft downstream from Knowlton Brook, 700 ft upstream from bridge on State Route 89, 1.8 mi south of Warrenville, and 3.2 mi southwest of Ashford.
DRAINAGE AREA.--28.6 mi^2.
PERIOD OF RECORD.--July 1940 to current year.
REVISED RECORDS.--WSP 1331: 1941, 1951-53(M). WSP 1721: Drainage area. WDR CT-75-1: 1974 (P).
GAGE.--Water-stage recorder. Datum of gage is 335.68 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair. Chemical analyses available for water year 1959 (WSP 1641). Occasional regulation from ponds upstream.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1938 reached a stage of about 14.5 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2000	758	5.62	Mar 30	1700	1,070	6.64
Mar 22	0715	*1,120	*6.81	Jun 17	1815	1,020	6.48

Minimum discharge, 1.5 ft^3/s, Aug. 3, gage height, 0.98 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	8.8	31	e23	72	e46	214	28	21	17	2.1	5.1
2	5.4	8.0	22	e23	58	e41	154	27	132	15	1.9	4.0
3	5.0	18	e18	e22	48	e37	129	25	111	13	2.1	3.4
4	4.7	20	e15	e22	41	e36	112	23	62	12	10	3.1
5	4.6	20	e13	e22	e38	e35	101	21	45	30	7.5	3.1
6	6.8	20	e12	e28	67	52	108	19	34	32	4.7	2.7
7	8.4	19	e11	e27	56	46	121	18	28	19	3.5	2.3
8	7.2	18	e10	e26	47	40	196	17	23	16	2.7	2.1
9	6.2	18	e9.5	e26	e45	39	161	16	20	17	2.3	2.2
10	5.8	51	e9.0	e25	e44	44	125	16	17	33	8.9	2.9
11	5.5	50	13	e25	e43	46	99	14	19	21	8.4	3.0
12	5.1	33	18	e25	e42	47	109	13	47	16	6.7	2.4
13	4.9	26	16	e24	e41	103	101	13	31	12	55	2.1
14	4.9	25	20	e24	e40	108	84	13	22	11	45	5.8
15	4.7	40	24	e24	45	95	74	11	18	9.6	19	6.2
16	5.3	27	19	e30	46	107	67	11	15	8.5	10	4.1
17	7.0	20	342	e29	e42	130	61	11	442	8.2	7.3	3.5
18	7.3	16	317	e28	e40	171	57	11	341	9.2	9.0	2.7
19	12	15	108	e27	e39	152	52	11	116	7.7	6.2	2.4
20	11	13	e70	e40	e38	157	49	9.6	65	6.3	19	2.1
21	9.1	12	e55	e38	e37	177	48	9.2	59	5.7	25	20
22	9.8	e11	e47	e36	e36	895	50	20	48	4.9	13	13
23	10	e10	e40	e34	e35	468	45	51	46	4.3	8.0	7.6
24	8.5	e9.0	e36	e32	e34	269	42	108	43	4.1	6.3	5.3
25	7.8	8.5	e32	e30	39	199	39	126	46	3.7	5.1	48
26	8.5	22	e30	e29	87	155	36	66	34	4.2	4.7	39
27	7.9	47	e28	e28	72	132	35	76	27	4.8	9.6	22
28	6.9	31	e26	e27	58	116	33	50	22	3.7	18	23
29	6.7	23	e25	e27	---	105	31	39	19	3.2	12	20
30	8.1	24	e24	47	---	571	29	32	17	2.7	7.3	16
31	8.2	---	e24	90	---	449	---	29	---	2.3	5.9	---
TOTAL	219.0	663.3	1464.5	938	1330	5068	2562	933.8	1970	357.1	346.2	279.1
MEAN	7.06	22.1	47.2	30.3	47.5	163	85.4	30.1	65.7	11.5	11.2	9.30
MAX	12	51	342	90	87	895	214	126	442	33	55	48
MIN	4.6	8.0	9.0	22	34	35	29	9.2	15	2.3	1.9	2.1
CFSM	.25	.77	1.65	1.06	1.66	5.72	2.99	1.05	2.30	.40	.39	.33
IN.	.28	.86	1.90	1.22	1.73	6.59	3.33	1.21	2.56	.46	.45	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

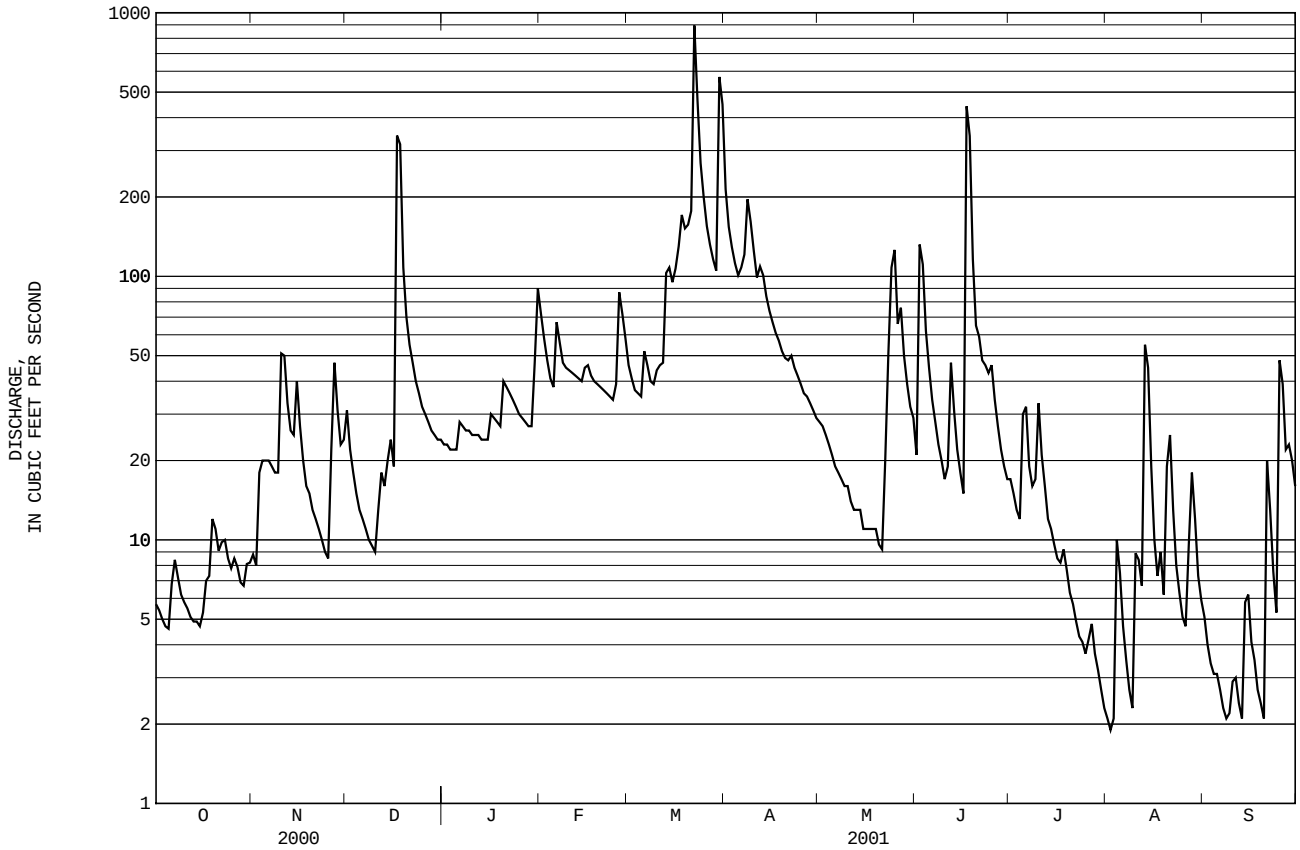
MEAN	26.4	47.4	62.6	70.3	73.0	109	93.7	60.0	37.1	15.2	16.0	15.8
MAX	144	131	200	264	203	219	197	119	207	60.4	148	118
(WY)	1956	1956	1997	1979	1970	1972	1983	1984	1982	1972	1955	1954
MIN	3.44	7.64	14.4	12.0	16.2	47.4	29.7	19.0	4.99	1.35	.79	1.05
(WY)	1958	1950	1944	1981	1980	1981	1985	1957	1957	1957	1957	1953

e Estimated.

01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	17347.9		16131.0			
ANNUAL MEAN	47.4		44.2		52.1	
HIGHEST ANNUAL MEAN					75.0	1972
LOWEST ANNUAL MEAN					26.0	1965
HIGHEST DAILY MEAN	732	Apr 22	895	Mar 22	2640	Aug 19 1955
LOWEST DAILY MEAN	3.1	Sep 8	1.9	Aug 2	.20	Aug 21 1957
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 3	2.4	Sep 7	.40	Aug 8 1957
MAXIMUM PEAK FLOW			1120	Mar 22	**a**5590	Aug 19 1955
MAXIMUM PEAK STAGE			6.81	Mar 22	**b**10.41	Aug 19 1955
INSTANTANEOUS LOW FLOW			1.5	Aug 3	.15	Aug 25 1957
ANNUAL RUNOFF (CFSM)	1.66		1.55		1.82	
ANNUAL RUNOFF (INCHES)	22.56		20.98		24.75	
10 PERCENT EXCEEDS	100		106		114	
50 PERCENT EXCEEDS	29		23		31	
90 PERCENT EXCEEDS	7.0		4.8		4.1	

a From rating curve extended above 890 ft^3/s on basis of contracted opening of peak flow.
b From floodmarks in gage well.



01122000 NATCHAUG RIVER AT WILLIMANTIC, CT

LOCATION.--Lat 41°43'11", long 72°11'46", Windham County, Hydrologic Unit 01100002, on left bank at upstream side of bridge on State Route 66, 1 mi northeast of Willimantic, 1.6 mi upstream from mouth, and 3.7 mi downstream from Mansfield Hollow Dam.
DRAINAGE AREA.--174 mi^2.
PERIOD OF RECORD.--Discharge: October 1930 to September 1989, October 1995 to current year. Water-quality records: Water years 1954, 1958, 1968.
REVISED RECORDS.--WSP l30l: 1934-35(M), 1937(M). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.31 ft above sea level (levels by Corps of Engineers). Oct. 6, 1930, to June 6, 1974, water-stage recorder on right bank 500 ft upstream at same datum. June 6, 1974 to Aug. 26, 1975, staff gage at present site and datum. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records good. City of Willimantic diverts an average of about 1.8 Mgal/d for municipal supply from reservoir 2 mi upstream. Operation of water wheels at this location causes diurnal fluctuation at low flow. Flow regulated since March 1952 by Mansfield Hollow Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,430 ft^3/s, Mar. 23, gage height, 7.51 ft; minimum discharge, 30 ft^3/s, Sept. 17, 19, 20, gage height, 1.24 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	134	58	202	94	270	280	1990	178	147	164	52	51
2	96	56	198	103	267	279	1880	98	212	113	51	51
3	46	57	195	197	263	277	1470	97	407	112	51	51
4	46	57	165	264	258	276	1050	123	551	112	58	52
5	46	57	58	261	261	281	1010	144	514	118	54	50
6	48	56	57	258	262	280	850	143	289	114	53	49
7	45	56	56	217	256	275	683	142	284	113	52	49
8	44	56	57	136	252	273	781	142	246	115	51	49
9	44	56	57	137	220	331	1090	142	154	114	50	49
10	45	82	57	136	208	375	1260	142	142	114	55	48
11	46	64	58	136	204	370	875	128	79	112	49	48
12	47	60	59	135	200	365	760	53	94	111	54	47
13	47	58	58	135	200	408	754	50	71	111	84	45
14	47	114	140	134	201	426	650	50	149	110	57	43
15	48	276	203	138	208	511	517	51	225	109	52	34
16	48	267	202	137	211	565	514	60	222	108	51	32
17	47	261	335	138	217	637	465	71	444	109	51	32
18	47	255	1060	137	211	652	338	72	1700	84	51	31
19	95	200	1590	147	208	804	338	72	2210	55	51	31
20	143	50	839	149	210	921	338	71	1970	54	62	31
21	142	48	254	148	240	907	338	71	809	54	54	47
22	140	47	252	144	270	945	337	112	287	54	52	33
23	138	47	249	151	268	1820	334	229	386	54	52	32
24	136	47	247	169	263	2340	332	421	447	53	52	32
25	135	47	245	260	273	2190	327	600	311	53	51	65
26	106	65	242	225	289	1830	259	581	210	58	51	39
27	54	62	170	139	281	1160	209	527	209	55	95	35
28	55	89	93	138	280	884	209	333	207	54	70	35
29	56	203	93	137	---	805	208	225	205	53	57	35
30	57	207	94	187	---	973	208	153	203	53	54	36
31	59	---	94	272	---	1540	---	148	---	53	54	---
TOTAL	2287	3058	7679	5159	6751	23980	20374	5429	13384	2746	1731	1262
MEAN	73.8	102	248	166	241	774	679	175	446	88.6	55.8	42.1
MAX	143	276	1590	272	289	2340	1990	600	2210	164	95	65
MIN	44	47	56	94	200	273	208	50	71	53	49	31

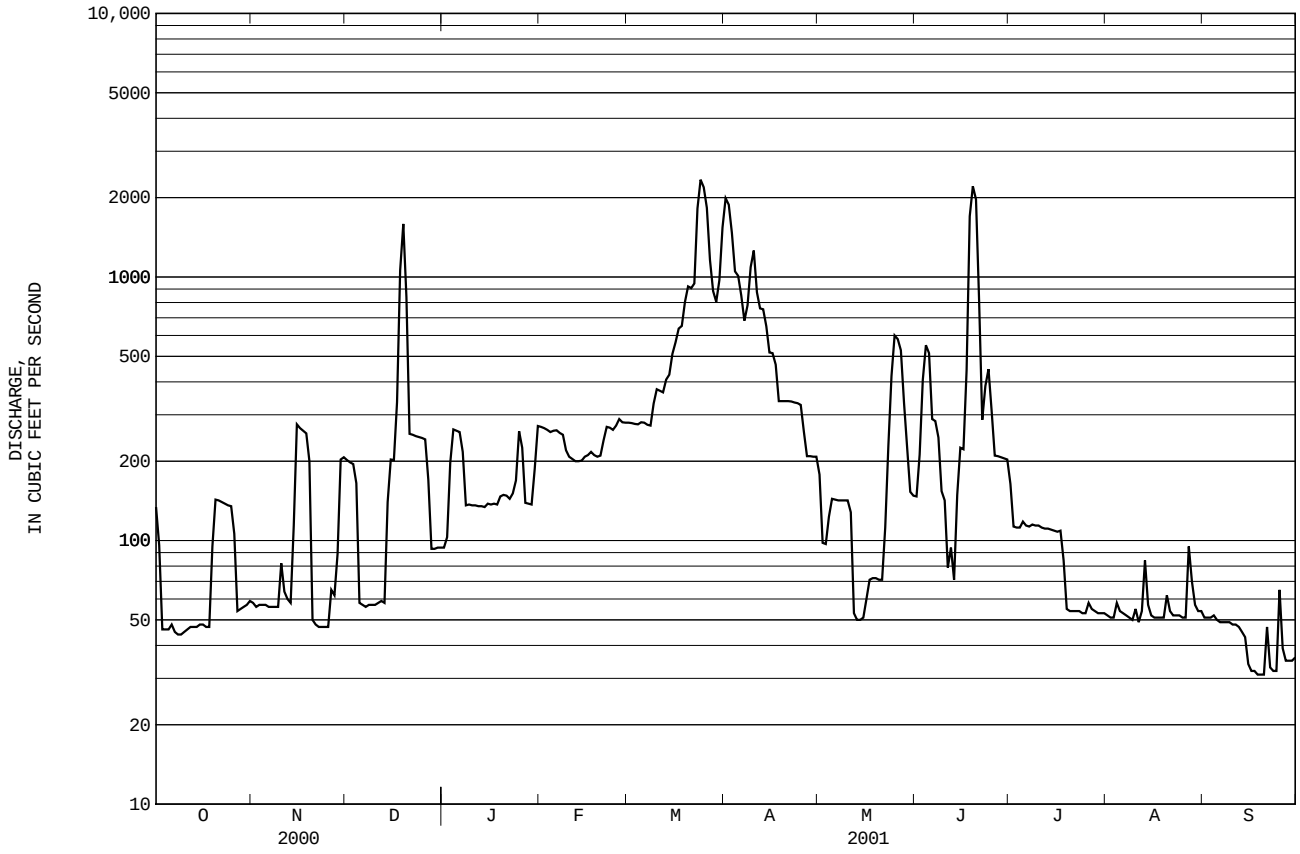
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

MEAN	149	265	347	380	396	618	579	353	240	114	95.1	124
MAX	880	844	1082	1183	932	1681	1315	676	1298	887	836	1523
(WY)	1956	1956	1997	1979	1970	1936	1987	1989	1982	1938	1955	1938
MIN	19.3	31.0	70.0	61.6	88.9	270	194	119	35.3	11.8	10.3	11.2
(WY)	1931	1932	1932	1981	1980	1989	1985	1957	1957	1957	1957	1943

01122000 NATCHAUG RIVER AT WILLIMANTIC, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	96244		93840			
ANNUAL MEAN	263		257		304	
HIGHEST ANNUAL MEAN					550	1938
LOWEST ANNUAL MEAN					142	1965
HIGHEST DAILY MEAN	2290	Apr 24	2340	Mar 24	18200	Sep 21 1938
LOWEST DAILY MEAN	39	Sep 14	31	Sep 18	2.3	Sep 11 1943
ANNUAL SEVEN-DAY MINIMUM	41	Sep 6	33	Sep 14	3.9	Jul 25 1949
MAXIMUM PEAK FLOW			2430	Mar 23	**a**32000	Sep 21 1938
MAXIMUM PEAK STAGE			7.51	Mar 23	**b**16.39	Sep 21 1938
INSTANTANEOUS LOW FLOW			**c**30	Sep 17	.30	Aug 6 1937
10 PERCENT EXCEEDS	606		615		673	
50 PERCENT EXCEEDS	142		137		194	
90 PERCENT EXCEEDS	48		48		36	

a From computation of peak flow over dam 2 mi upstream.
b From floodmarks.
c Also occurred Sep. 19.



01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, Hydrologic Unit 01100002, on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft upstream from Penn. Central Co. railroad bridge, 500 ft downstream from Potash Brook, 1.3 mi downstream from confluence of Willimantic and Natchaug Rivers, 1.5 mi southeast of Willimantic, and 17 mi upstream from mouth.

DRAINAGE AREA.--404 mi^2.

PERIOD OF RECORD.--Discharge: April 1904 to December 1905, October 1919 to September 1921, September 1928 to current year. Published as "at South Windham" October 1919 to September 1921, September 1928 to September 1933. Monthly discharge only for some periods, published in WSP 1301. Water-quality records: Water years 1957, 1968-74. Daily water temperature: Water year 1957. Daily specific conductance: Water year 1957.
Daily pH: Water year 1957. Daily iron: Water year 1957.

REVISED RECORDS.--WSP 781: l934(M). WSP 801: 1935. WSP 1201: 1905(M), 1920-2l. WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder since Dec. 5, 1933. Datum of gage is 131.40 ft above sea level (levels by Corps of Engineers). Apr. 4, 1904, to Dec. 31, 1905, nonrecording gage at present site and about the same datum. October 1919 to Sept.30, 1921, and Sept. 1, 1928 to Sept. 30, 1933, water-stage recorder at site 1.5 mi downstream at different datum. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by mills and flood detention reservoirs on Willimantic River, by pumping for municipal water supply of city of Willimantic on the Natchaug River, and by Mansfield Hollow Lake flood-control reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,030 ft^3/s, Mar. 22, gage height, 9.60 ft; minimum discharge, 60 ft^3/s, Sep. 20, gage height, 1.78 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	247	150	436	335	777	709	4350	439	393	321	80	103
2	209	147	396	333	713	666	3480	344	848	266	77	93
3	163	146	346	441	637	619	2790	323	1310	243	75	88
4	158	137	308	467	587	593	2220	333	1160	230	119	86
5	154	120	192	462	544	591	2100	341	975	273	192	85
6	161	121	186	465	535	546	1930	332	623	295	137	83
7	164	119	166	426	578	667	1970	313	549	261	113	80
8	169	117	161	328	533	623	2140	298	472	238	97	78
9	162	118	158	326	492	653	2730	293	344	230	88	77
10	151	274	152	329	624	742	2670	286	296	227	101	74
11	147	421	164	354	728	773	2020	266	256	219	100	74
12	142	291	189	315	664	788	1810	181	654	226	143	74
13	142	227	176	327	579	1130	1820	188	401	208	264	71
14	137	258	292	316	523	1420	1570	178	365	196	276	88
15	129	570	426	308	579	1390	1290	175	417	189	187	95
16	135	502	383	334	615	1470	1210	177	384	182	143	81
17	172	441	1460	342	699	1680	1090	177	1650	178	121	71
18	174	410	3340	336	609	1910	907	174	4830	159	115	67
19	245	364	2840	361	574	1970	856	176	3570	126	110	65
20	291	181	1700	487	544	2010	826	168	2710	117	135	63
21	279	168	804	433	607	2070	803	163	1620	112	146	137
22	270	156	729	438	585	4480	802	234	895	108	125	139
23	257	147	618	431	591	5520	773	528	870	100	109	108
24	256	133	584	428	553	4620	729	1080	875	96	103	88
25	256	128	535	482	581	3920	706	1420	698	93	97	165
26	230	194	543	456	1020	3280	612	1180	511	101	91	140
27	176	368	422	321	966	2440	536	1400	456	99	182	114
28	166	315	341	311	840	2020	515	935	418	96	254	100
29	154	406	376	318	---	1840	489	657	381	92	150	96
30	153	408	307	378	---	3080	472	541	364	87	120	108
31	152	---	316	749	---	5630	---	461	---	83	109	---
TOTAL	5801	7537	19046	12137	17877	59850	46216	13761	29295	5451	4159	2791
MEAN	187	251	614	392	638	1931	1541	444	976	176	134	93.0
MAX	291	570	3340	749	1020	5630	4350	1420	4830	321	276	165
MIN	129	117	152	308	492	546	472	163	256	83	75	63

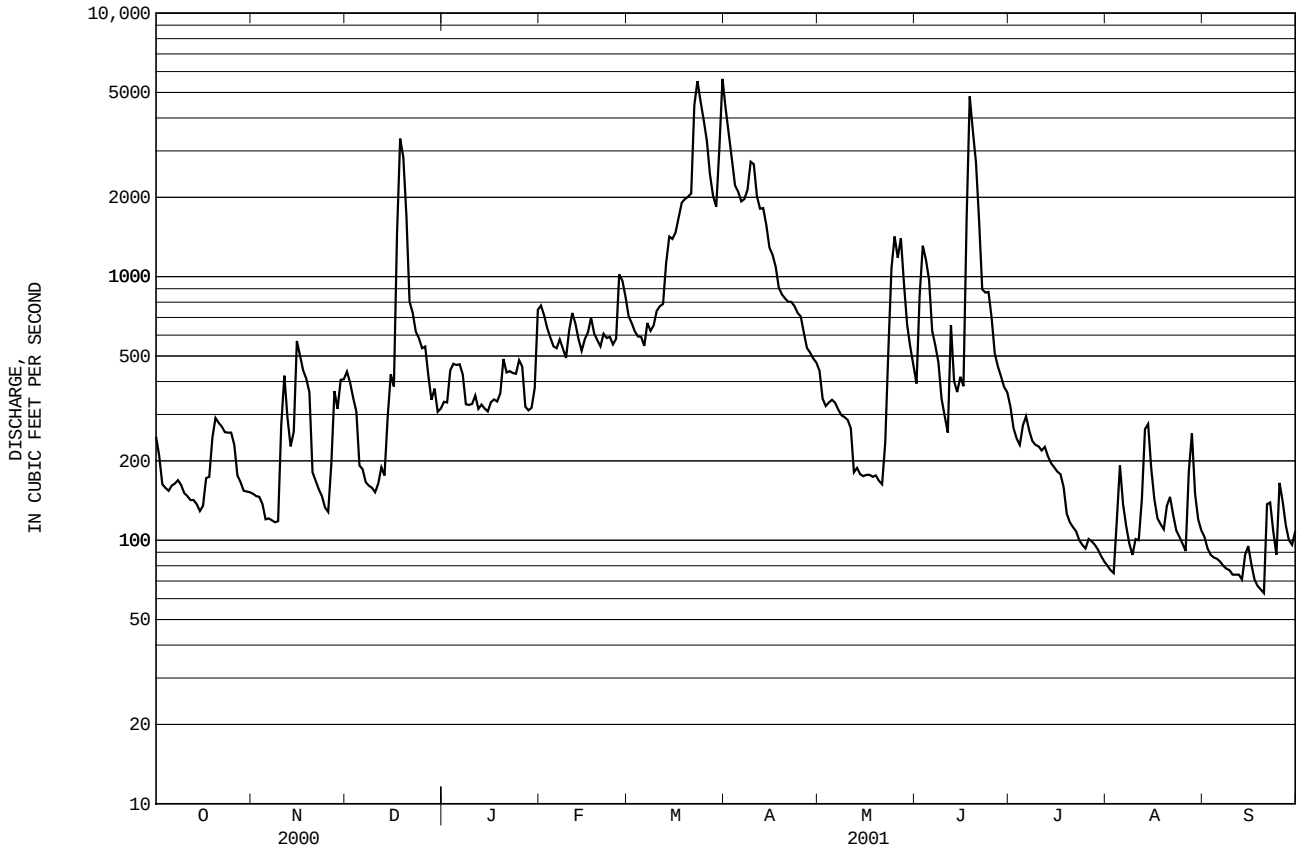
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	381	628	820	904	918	1433	1347	845	555	268	242	290
MAX	2246	2156	2667	2945	2246	3949	2943	1814	2911	1755	2114	3571
(WY)	1956	1956	1997	1979	1970	1936	1987	1989	1982	1938	1955	1938
MIN	49.4	85.0	170	132	236	628	454	319	110	48.6	44.5	45.0
(WY)	1958	1932	1931	1981	1980	1989	1985	1957	1957	1957	1957	1957

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	245815		223921			
ANNUAL MEAN	672		613		718	
HIGHEST ANNUAL MEAN					1243	1938
LOWEST ANNUAL MEAN					337	1965
HIGHEST DAILY MEAN	4820	Apr 23	5630	Mar 31	35500	Sep 21 1938
LOWEST DAILY MEAN	92	Sep 7	63	Sep 20	19	Aug 22 1949
ANNUAL SEVEN-DAY MINIMUM	103	Sep 6	75	Sep 7	31	Sep 7 1995
MAXIMUM PEAK FLOW			6030	Mar 22	**a**52200	Sep 21 1938
MAXIMUM PEAK STAGE			9.60	Mar 22	**b**27.60	Sep 21 1938
INSTANTANEOUS LOW FLOW			60	Sep 20	15	Aug 29 1949
10 PERCENT EXCEEDS	1560		1590		1590	
50 PERCENT EXCEEDS	391		326		465	
90 PERCENT EXCEEDS	147		100		103	

a From rating curve extended above 11,000 ft^3/s on basis of computation of peak flow over Scotland and Baltic Dams, 5 and 9 mi downstream, respectively, adjusted for flow from intervening area.
b From floodmarks.



01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT

LOCATION.--Lat 41°40'56", long 72°09'59", Windham County, Hydrologic Unit 01100002, at bridge on State Highway 203, at South Windham, 0.8 mi downstream from Jordan Brook, and 1.8 mi upstream from Cold Brook.
DRAINAGE AREA.--408 mi^2 .
PERIOD OF RECORD.--Water year 1974 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1980 to September 1992.
WATER TEMPERATURES: August 1980 to September 1992.
INSTRUMENTATION.--Water-quality monitor August 1980 to September 1992.
REMARKS.--Discharges shown for this location are computed by determining the discharge for station 01122500, 1.6 mi upstream, and adjusting its discharge by multiplying by a factor of 1.01, which is the ratio of the two stations' drainage areas.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 301 microsiemens May 21, 1982; minimum, 27 microsiemens Aug. 14, 1989.
WATER TEMPERATURES: Maximum, 29.0°C July 18, 19, 1982, Aug. 15, 1988; minimum, 0.0°C on many days during winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
16...	0945	121	123	7.3	12.0	14.0	1.7	9.7	93	190	56	27	7.51
NOV													
28...	1145	290	120	7.6	8.5	4.5	2.2	13.9	108	200	152	27	7.60
DEC													
19...	1125	2960	84	7.3	5.0	2.5	5.3	13.8	101	410k	2300k	17	4.45
JAN													
11...	1500	325	139	7.2	3.0	1.0	1.1	13.9	99	440	188	26	7.22
FEB													
15...	1115	575	132	7.4	7.0	2.0	1.1	14.1	103	27	30	24	6.71
MAR													
14...	1410	1380	139	7.2	9.5	2.5	3.6	13.8	103	96k	216	23	6.18
APR													
19...	0755	866	100	7.3	14.0	8.5	1.2	11.7	99	100	72	20	5.30
MAY													
23...	1620	575	128	7.3	15.0	16.5	3.2	9.0	93	92	171k	27	7.36
JUN													
06...	1500	615	97	7.2	25.5	19.5	1.6	9.4	103	25k	41	21	5.78
JUL													
18...	1325	164	123	7.5	25.0	23.5	1.2	10.4	122	45	26	27	7.39
AUG													
24...	1315	104	133	8.0	24.0	24.0	1.7	10.0	120	160	96	29	8.12
SEP													
26...	1240	133	142	8.0	21.0	20.0	1.5	10.3	114	130	100	32	9.06

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
16...	1.96	11.2	2.25	.0	22	18	9.3	15.6	E.1	6.1	77	76	<.006
NOV													
28...	2.04	10.9	2.45	.0	17	14	10	15.5	<.2	9.4	83	84	<.006
DEC													
19...	1.52	7.1	1.87	.0	10	8	6.7	11.4	<.2	7.3	63	68	E.003
JAN													
11...	1.96	12.7	2.01	.0	17	14	11.6	18.1	<.2	10.2	79	84	E.004
FEB													
15...	1.87	13.0	1.82	.0	13	11	9.4	21.3	<.2	9.3	87	79	E.003
MAR													
14...	1.73	14.2	1.65	.0	12	10	8.2	23.0	E.1	8.1	76	78	<.006
APR													
19...	1.52	8.6	1.34	.0	11	9	8.6	14.7	<.2	6.3	66	70	E.004
MAY													
23...	1.99	10.6	1.86	.0	20	16	8.8	18.1	<.2	6.2	70	65	.008
JUN													
06...	1.65	9.0	1.30	.0	12	10	7.6	14.8	<.2	7.3	71	80	E.004
JUL													
18...	2.03	11.3	1.86	.0	20	16	8.2	16.9	E.1	6.3	87	78	.009
AUG													
24...	2.22	12.8	2.27	.0	92	76	10.0	20.9	<.2	6.1	91	98	E.004
SEP													
26...	2.16	13.5	3.10	.0	27	22	12.1	19.1	<.2	6.2	82	88	E.003

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT--Continued

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

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
16...	.245	<.041	--	.29	.26	.54	.030	.012	<.018	9	.09	9.6	E.04
NOV													
28...	.435	.205	.28	.49	.49	.92	.074	.051	.043	30	<.05	8.9	<.06
DEC													
19...	.341	.055	.42	.47	.32	.81	.045	.016	<.018	65	.05	8.1	<.06
JAN													
11...	.522	.414	.30	.71	.66	1.2	.066	.053	.042	22	.09	9.4	<.06
FEB													
15...	.477	.164	.20	.37	.36	.84	.027	.016	E.009	22	.05	9.2	<.06
MAR													
14...	.465	.095	.35	.44	.27	.91	.038	.013	<.018	26	E.04	9.5	<.06
APR													
19...	.293	E.030	--	.25	.17	.54	.026	.012	<.018	23	.05	9.0	<.06
MAY													
23...	.314	.076	.35	.43	.28	.74	.050	.015	<.020	14	.06	8.7	<.06
JUN													
06...	.212	<.040	--	.36	.27	.57	.037	.013	<.020	39	.08	7.5	<.06
JUL													
18...	.263	<.040	--	.30	.25	.56	.030	.024	<.020	39	.10	7.3	<.06
AUG													
24...	.260	<.040	--	.32	.27	.58	.067	.054	.028	31	.10	7.7	<.06
SEP													
26...	.312	<.040	--	.34	.27	.65	.053	.040	.023	20	.21	11.4	<.06

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT													
16...	<.11	<.04	M	<.8	.08	E1.5	1.4	320	110	<1	.17	11.1	.3
NOV													
28...	<.11	<.04	<1	<.8	.10	E1.0	1.4	410	210	1	.26	21.3	E.2
DEC													
19...	<.11	<.04	M	<.8	.16	E1.5	1.2	600	210	1	.25	42.8	<.2
JAN													
11...	<.11	<.04	<1	<.8	.14	E1.5	1.0	320	160	<1	.17	37.8	E.1
FEB													
15...	<.11	.06	<1	<.8	.12	<1.8	1.6	300	140	<1	.15	25.2	<.2
MAR													
14...	<.11	E.02	<1	<.8	.14	E.9	.8	410	100	M	.13	35.3	<.2
APR													
19...	<.11	<.04	4	<.8	.12	E1.1	1.1	250	100	M	.14	27.4	E.1
MAY													
23...	<.10	<.04	<1	E.5	.10	1.3	1.0	610	210	1	.24	15.6	.2
JUN													
06...	<.10	<.04	M	<.8	.10	E1.0	.9	500	190	<1	.18	16.8	E.1
JUL													
18...	.23	<.04	<1	E.5	.08	1.3	1.1	520	390	<1	.28	13.5	.4
AUG													
24...	<.10	<.04	<1	<.8	.09	E1.1	1.2	460	340	M	.28	18.9	1.3
SEP													
26...	<.10	<.04	<1	<.8	.08	2.1	1.1	310	200	M	.15	13.7	.5

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT--Continued

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

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT							
16...	<2	.54	<1.0	<31	2	.02	4.4
NOV							
28...	M	.73	<1.0	<31	4	.03	5.9
DEC							
19...	E1	.64	<1.0	<31	3	.02	8.3
JAN							
11...	<2	.66	<1.0	<31	4	.02	4.0
FEB							
15...	<2	.65	<1.0	<31	4	.02	3.4
MAR							
14...	M	.61	<1.0	<31	3	E.01	--
APR							
19...	5	.56	<1.0	<31	3	.02	3.2
MAY							
23...	<2	.54	<1.0	<31	3	.02	4.9
JUN							
06...	M	.63	<1.0	<31	2	.03	6.6
JUL							
18...	<2	.37	<1.0	<31	2	.03	4.6
AUG							
24...	E1	.42	<1.0	<31	2	<.02	4.5
SEP							
26...	<2	.19	<1.0	<31	2	.03	4.6

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01123000 LITTLE RIVER NEAR HANOVER, CT

LOCATION.--Lat 41°40'18", long 72°03'10", Windham County, Hydrologic Unit 01100002, on left bank 800 ft upstream from bridge on Hanover Road, 0.7 mi downstream from Peck Brook, 2.3 mi northeast of Hanover, and 6.5 mi upstream from mouth.
DRAINAGE AREA.--30.0 mi^2.
PERIOD OF RECORD.--July 1951 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 221.19 ft above sea level.
REMARKS.--Records good except those for those periods of estimated daily discharges, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	1530	773	4.84	Jun 18	0015	*1,930	*7.06
Mar 30	2400	857	5.04				

Minimum discharge, 6.0 ft^3/s, Sep. 20, gage height, 1.32 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	25	e24	57	49	181	34	32	26	9.7	9.8
2	11	11	21	e23	48	43	128	33	123	24	9.5	9.1
3	10	11	21	e22	46	40	105	31	124	22	9.3	8.5
4	10	11	e19	22	47	38	92	30	68	22	11	8.1
5	9.7	11	e18	22	39	37	81	29	50	28	11	8.7
6	11	10	e16	22	38	43	81	27	42	28	10	7.9
7	12	11	e15	e21	37	44	103	27	36	23	9.4	7.5
8	12	10	e14	e20	41	39	119	26	31	22	8.7	7.2
9	11	10	e13	e19	32	37	118	25	28	23	8.6	7.0
10	10	25	e14	e19	59	43	103	24	24	23	8.8	6.9
11	11	34	e15	e19	e60	46	84	23	24	26	12	6.7
12	10	23	e17	e19	e50	49	87	22	63	23	11	6.4
13	9.8	19	e18	e18	41	115	89	21	40	20	29	6.2
14	9.5	19	20	20	43	124	74	20	31	18	31	8.0
15	9.4	30	30	23	47	101	65	19	27	17	17	9.9
16	9.7	24	23	27	50	110	59	19	24	17	13	8.2
17	9.6	20	158	27	62	128	57	20	650	16	11	7.3
18	11	18	201	36	54	146	56	20	922	17	10	6.7
19	16	16	81	29	54	125	52	20	198	16	10	6.3
20	15	15	66	44	39	114	49	19	104	15	14	6.0
21	13	14	53	38	e38	115	47	18	75	14	15	13
22	12	14	44	52	e36	584	48	27	63	13	12	14
23	11	13	e40	44	37	387	46	48	57	13	10	10
24	11	14	e38	33	37	187	47	103	52	12	9.7	8.4
25	11	15	e34	26	38	133	41	98	49	12	9.2	16
26	11	21	e32	30	90	107	38	63	42	12	8.7	26
27	11	44	29	24	74	99	37	69	37	13	11	14
28	11	30	26	23	60	91	37	52	33	12	31	11
29	10	24	24	33	---	80	36	44	30	11	16	9.5
30	10	24	24	32	---	406	35	48	28	10	12	8.8
31	11	---	e24	63	---	494	---	38	---	10	11	---
TOTAL	340.7	552	1173	874	1354	4154	2195	1097	3107	558	399.6	283.1
MEAN	11.0	18.4	37.8	28.2	48.4	134	73.2	35.4	104	18.0	12.9	9.44
MAX	16	44	201	63	90	584	181	103	922	28	31	26
MIN	9.4	10	13	18	32	37	35	18	24	10	8.6	6.0
CFSM	.37	.61	1.26	.94	1.61	4.47	2.44	1.18	3.45	.60	.43	.31
IN.	.42	.68	1.45	1.08	1.68	5.15	2.72	1.36	3.85	.69	.50	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

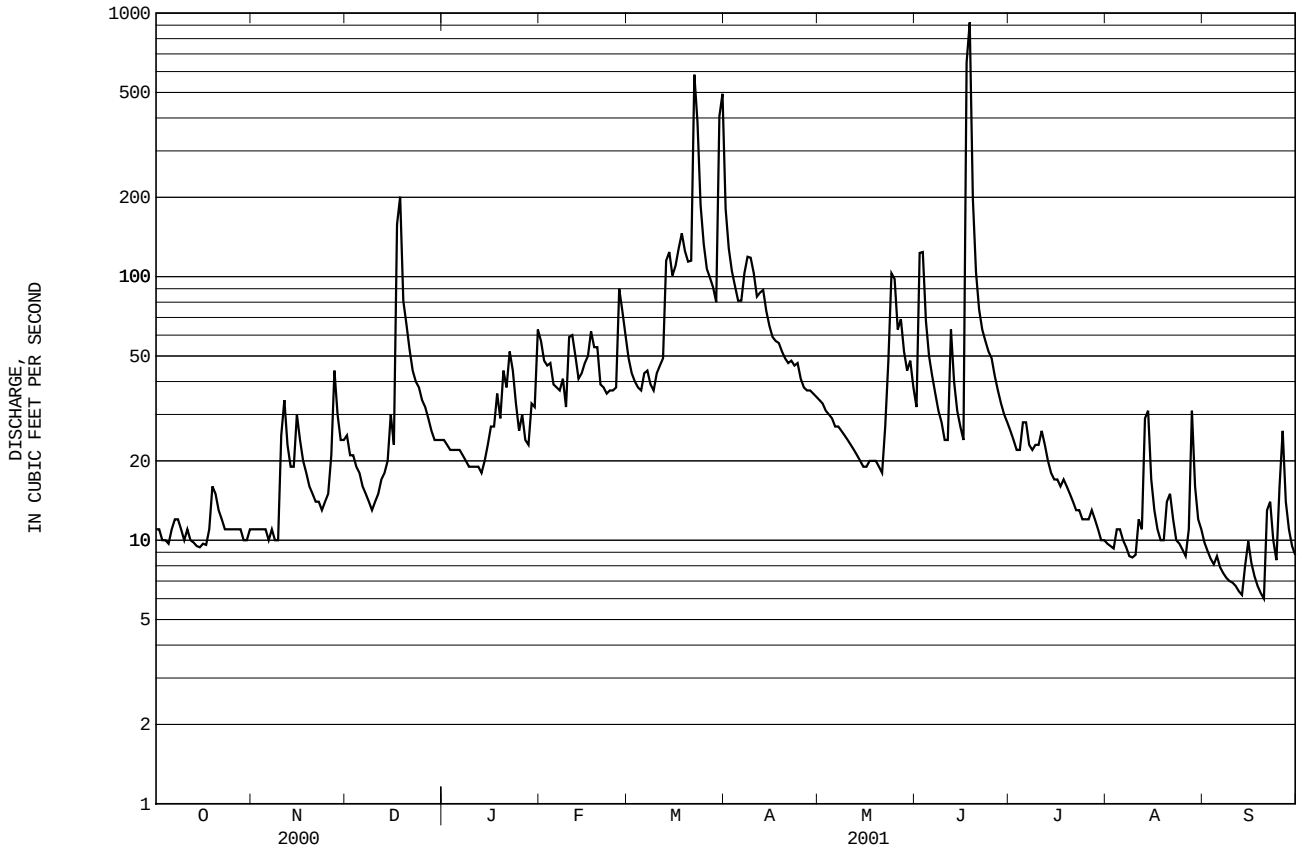
MEAN	31.2	52.3	68.3	77.3	77.9	108	99.7	64.9	44.3	20.8	18.4	17.2
MAX	186	147	179	288	172	221	229	133	221	73.5	116	77.6
(WY)	1956	1956	1997	1979	1970	1972	1983	1967	1982	1972	1955	1954
MIN	5.25	9.39	15.3	11.6	19.4	50.6	29.2	26.8	11.4	5.85	4.95	4.98
(WY)	1964	1966	1966	1981	1980	1985	1985	1957	1999	1957	1993	1965

e Estimated.

01123000 LITTLE RIVER NEAR HANOVER, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	16528.7		16087.4			
ANNUAL MEAN	45.2		44.1		56.6	
HIGHEST ANNUAL MEAN					86.2	1984
LOWEST ANNUAL MEAN					25.1	1966
HIGHEST DAILY MEAN	520	Apr 22	922	Jun 18	1960	Jun 6 1982
LOWEST DAILY MEAN	7.6	Sep 12	6.0	Sep 20	3.4	Aug 19 1987
ANNUAL SEVEN-DAY MINIMUM	8.5	Sep 7	6.8	Sep 7	4.0	Sep 6 1963
MAXIMUM PEAK FLOW			1930	Jun 18	**a**2450	Jun 6 1982
MAXIMUM PEAK STAGE			7.06	Jun 18	**b**8.31	Jun 6 1982
INSTANTANEOUS LOW FLOW			6.0	Sep 20	**c**2.9	Aug 16 1988
ANNUAL RUNOFF (CFSM)	1.51		1.47		1.89	
ANNUAL RUNOFF (INCHES)	20.50		19.95		25.64	
10 PERCENT EXCEEDS	93		90		116	
50 PERCENT EXCEEDS	25		24		36	
90 PERCENT EXCEEDS	11		9.8		8.9	

a From rating curve extended above 820 ft^3/s.
b From floodmarks in gage well.
c Also occurred Aug. 20, 22, 1988.



011230695 SHETUCKET RIVER AT TAFTVILLE, CT

LOCATION.--Lat 41°34'06", long 72°02'44", New London County, Hydrologic Unit 01100002, on right bank 900 ft upstream from bridge on State Route 169, 0.9 mi upstream from confluence of Quinebaug River at Taftville, Conn.
DRAINAGE AREA.-- 512 mi^2.
PERIOD OF RECORD.--September 1989 to September 1997. March 2001 to September 2001 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is 19.12 ft above sea level.
REMARKS.--Records good. No estimated daily discharges. Flow regulated by mills and flood detention reservoirs on Willimantic River, on Natchaug River by pumping for municipal supply for City of Willimantic, by Mansfield Hollow Lake, and by power regulation at Taftville Dam 0.2 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,650 ft^3/s, June 17, gage height, 12.63 ft; minimum discharge, 24 ft^3/s, July 27, gage height, 3.82 ft.

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

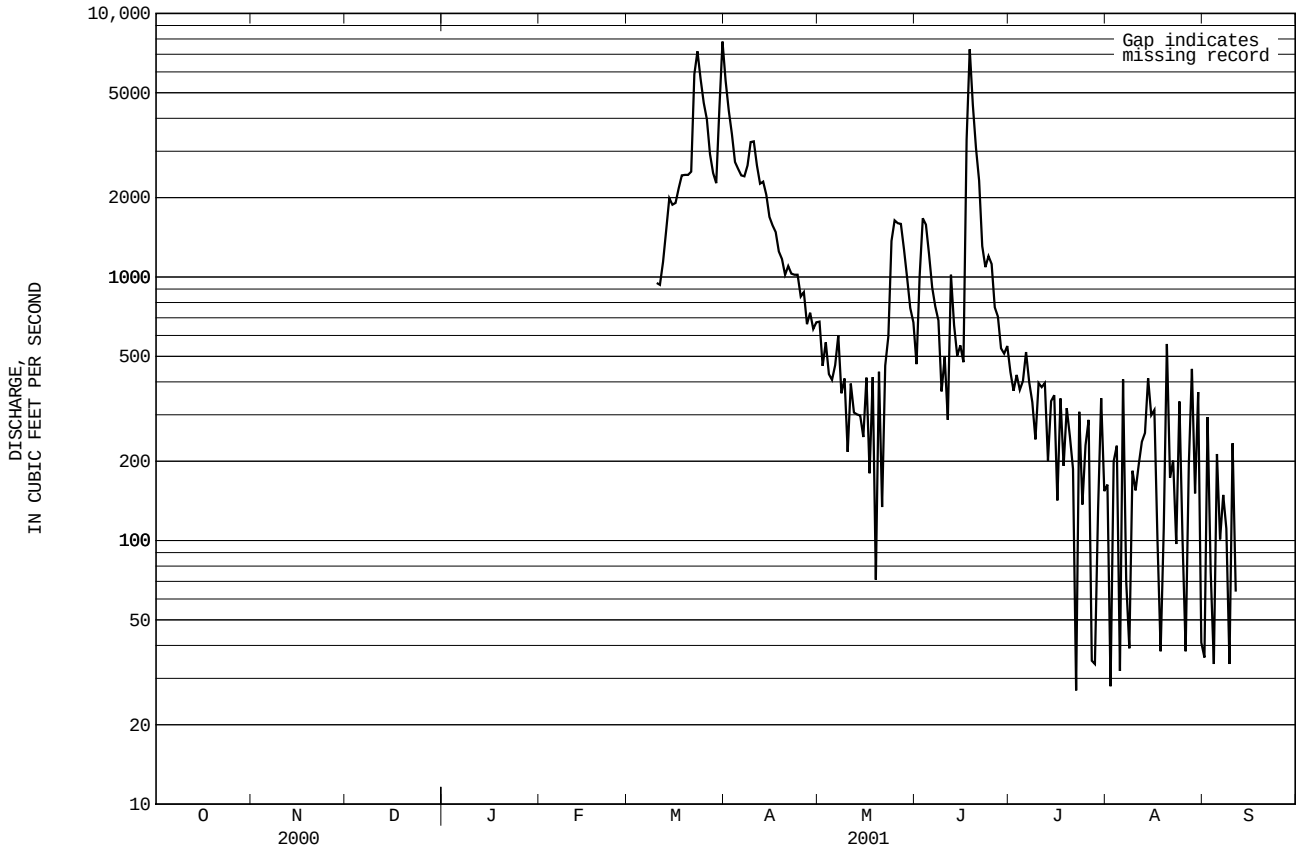
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5550	677	467	436	163	36
2	---	---	---	---	---	---	4280	460	1010	370	28	294
3	---	---	---	---	---	---	3490	565	1670	425	200	76
4	---	---	---	---	---	---	2730	428	1580	373	229	34
5	---	---	---	---	---	---	2570	407	1220	403	32	213
6	---	---	---	---	---	---	2430	463	913	519	409	101
7	---	---	---	---	---	---	2410	600	772	399	70	149
8	---	---	---	---	---	---	2650	362	684	335	39	111
9	---	---	---	---	---	---	3250	412	368	242	184	34
10	---	---	---	---	---	949	3270	217	497	396	155	234
11	---	---	---	---	---	934	2650	394	287	382	194	64
12	---	---	---	---	---	1140	2260	306	1020	396	237	---
13	---	---	---	---	---	1500	2300	301	657	201	256	---
14	---	---	---	---	---	1990	2050	298	503	338	413	---
15	---	---	---	---	---	1880	1690	247	550	356	299	---
16	---	---	---	---	---	1910	1570	415	475	142	313	---
17	---	---	---	---	---	2170	1480	180	3320	346	100	---
18	---	---	---	---	---	2430	1250	417	7310	192	38	---
19	---	---	---	---	---	2440	1170	71	4490	318	111	---
20	---	---	---	---	---	2440	1020	437	3080	249	557	---
21	---	---	---	---	---	2510	1100	134	2320	187	173	---
22	---	---	---	---	---	5880	1030	461	1310	27	201	---
23	---	---	---	---	---	7180	1020	596	1090	308	97	---
24	---	---	---	---	---	5650	1020	1370	1200	137	337	---
25	---	---	---	---	---	4580	843	1640	1120	230	101	---
26	---	---	---	---	---	3970	876	1600	767	287	38	---
27	---	---	---	---	---	2930	662	1590	708	35	193	---
28	---	---	---	---	---	2480	732	1270	536	34	448	---
29	---	---	---	---	---	2270	635	991	512	130	151	---
30	---	---	---	---	---	4360	673	762	547	347	366	---
31	---	---	---	---	---	7820	---	672	---	154	41	---
TOTAL	---	---	---	---	---	69413	58661	18743	40983	8694	6173	1346
MEAN	---	---	---	---	---	3155	1955	605	1366	280	199	122
MAX	---	---	---	---	---	7820	5550	1640	7310	519	557	294
MIN	---	---	---	---	---	934	635	71	287	27	28	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	810	1074	1419	1358	1549	1808	1602	907	600	221	401	311
MAX	2074	1986	1892	1740	3706	3013	2721	1654	1366	393	652	520
(WY)	1990	1990	1994	1993	1996	1994	1993	1990	2001	1992	1991	1991
MIN	332	653	567	1105	894	1099	860	605	292	124	75.2	86.1
(WY)	1993	1994	1990	1991	1995	1990	1995	2001	1991	1991	1993	1995

011230695 SHETUCKET RIVER AT TAFTVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL MEAN			964	
HIGHEST ANNUAL MEAN			1133	1990
LOWEST ANNUAL MEAN			736	1995
HIGHEST DAILY MEAN	7820	Mar 31	8830	Oct 21 1989
LOWEST DAILY MEAN	27	Jul 22	23	Sep 3 1993
ANNUAL SEVEN-DAY MINIMUM	103	Sep 3	39	Sep 12 1995
MAXIMUM PEAK FLOW	8650	Jun 17	12300	Apr 17 1996
MAXIMUM PEAK STAGE	12.63	Jun 17	14.55	Apr 17 1996
INSTANTANEOUS LOW FLOW	24	Jul 27	21	Sep 25 1993
10 PERCENT EXCEEDS	2670		2290	
50 PERCENT EXCEEDS	471		718	
90 PERCENT EXCEEDS	101		130	



01124000 QUINEBAUG RIVER AT QUINEBAUG, CT

LOCATION.--Lat 42°01'20", long 71°57'22", Windham County, Hydrologic Unit 01100001, on right bank at Quinebaug, 500 ft upstream from bridge on State Route 197, 0.2 mi downstream from Massachusetts-Connecticut State line, 7.8 mi upstream from French River, and at mile 46.
DRAINAGE AREA.--155 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1931 to current year.
REVISED RECORDS.--WSP 851: 1936(M). WSP 1201: 1939-43, 1949. WSP 1381: 1938(M). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 341.52 ft above sea level. Telephone telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are poor. Flow regulated by East Brimfield and Westville Lakes, and by smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,150 ft^3/s, Mar. 30, gage height, 5.85 ft; minimum discharge, 8.8 ft^3/s, Nov. 25, Sep. 11, 12, gage height, 2.00 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	49	122	e112	e115	e160	e180	1410	361	216	131	34	24
2	29	99	e103	e110	e150	e170	1350	237	338	123	27	22
3	35	142	e95	e105	e140	e160	1220	202	389	99	27	22
4	39	108	e89	e100	e120	e150	1180	170	338	83	32	22
5	39	109	e84	e97	e117	e145	1050	156	306	110	33	22
6	66	119	e80	e94	e112	e140	860	144	255	128	32	21
7	56	117	e75	e92	e120	171	819	128	198	90	30	21
8	62	111	e70	e90	e122	163	1270	98	168	93	29	21
9	91	109	e65	e88	e140	154	1420	113	149	86	28	21
10	51	172	e60	e86	e210	163	1390	102	101	97	38	50
11	57	170	e65	e84	e190	159	1230	101	140	109	41	44
12	55	145	e68	e82	e180	156	1020	99	172	98	43	8.8
13	62	134	e66	e80	e195	225	851	115	153	89	59	10
14	59	114	e64	e78	e190	257	748	110	174	80	70	15
15	55	179	e62	e76	e210	267	645	93	156	77	63	36
16	69	176	e60	e75	e200	285	513	92	111	62	43	38
17	99	161	374	e74	e190	320	455	92	551	69	34	45
18	82	122	661	e73	e180	374	448	89	547	68	46	53
19	73	123	481	e72	e170	391	355	86	442	60	47	47
20	93	108	e400	130	e160	415	268	73	411	60	47	48
21	73	83	e320	e122	e150	456	268	83	393	58	52	85
22	68	102	e280	e112	e145	1050	267	95	319	49	43	84
23	73	80	e250	e105	e140	1200	262	153	278	43	36	47
24	83	74	e220	e100	e135	1330	238	256	251	42	38	41
25	82	76	e200	e120	e130	1150	252	251	229	41	28	135
26	77	67	e180	e105	e210	1070	182	260	186	51	26	96
27	78	147	e165	e96	e200	1020	111	303	177	49	33	86
28	75	136	e150	e92	e190	988	159	301	154	40	32	80
29	79	126	e140	e90	---	927	252	266	119	38	25	83
30	88	e121	e130	e88	---	1340	397	314	117	42	25	79
31	110	---	e120	e150	---	1280	---	256	---	28	25	---
TOTAL	2107	3652	5289	2981	4556	16256	20890	5199	7538	2293	1166	1406.8
MEAN	68.0	122	171	96.2	163	524	696	168	251	74.0	37.6	46.9
MAX	110	179	661	150	210	1340	1420	361	551	131	70	135
MIN	29	67	60	72	112	140	111	73	101	28	25	8.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

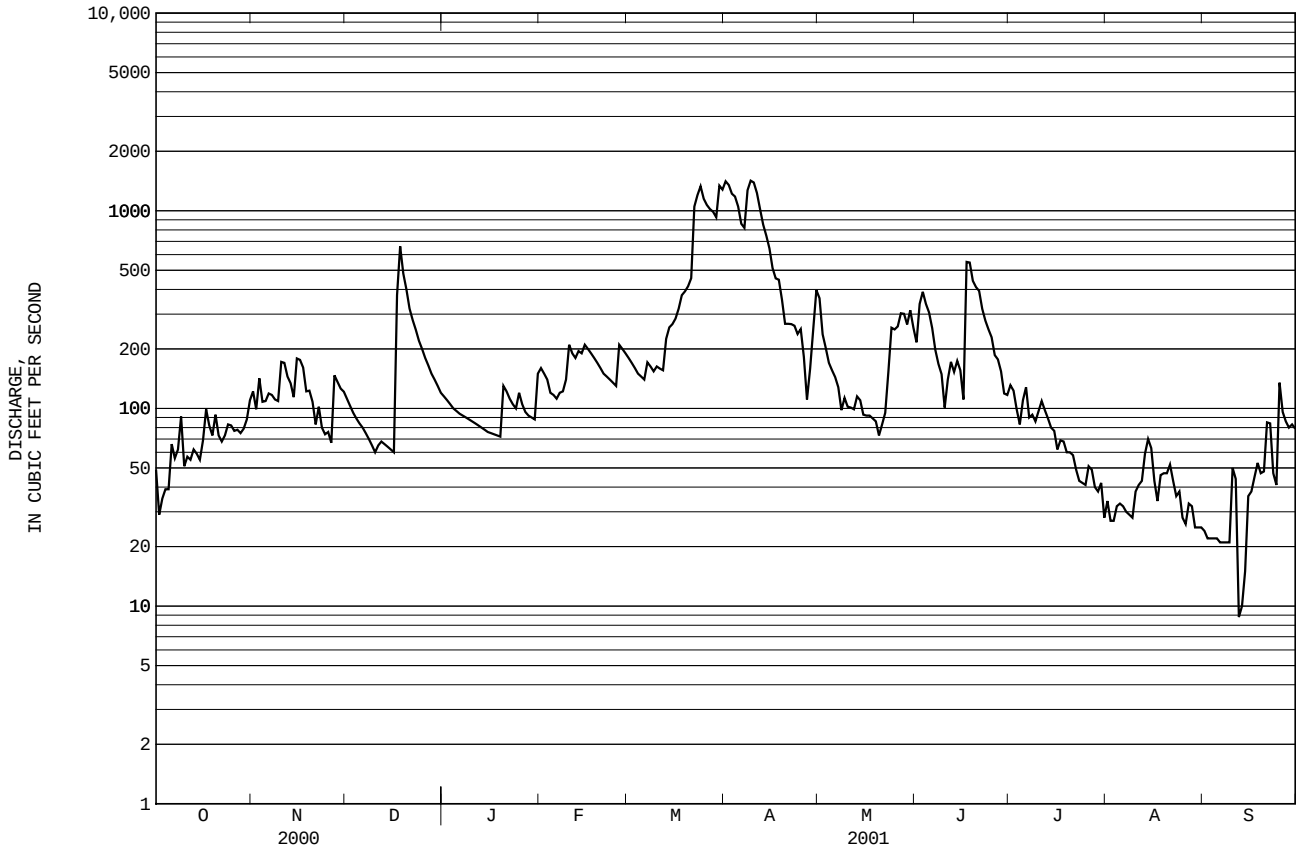
MEAN	152	230	312	337	340	541	546	306	211	101	109	111
MAX	701	711	1008	1028	845	1669	1239	658	1057	700	1971	1296
(WY)	1956	1956	1997	1979	1970	1936	1940	1989	1982	1938	1955	1938
MIN	16.3	34.4	81.4	57.4	83.0	235	169	131	33.2	17.8	12.9	12.2
(WY)	1958	1950	1966	1981	1980	1989	1985	1957	1999	1957	1957	1957

e Estimated.

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1932 - 2001	
ANNUAL TOTAL	91567		73333.8			
ANNUAL MEAN	250		201		274	
HIGHEST ANNUAL MEAN					466	1955
LOWEST ANNUAL MEAN					124	1965
HIGHEST DAILY MEAN	2050	Apr 22	1420	Apr 9	26500	Aug 19 1955
LOWEST DAILY MEAN	29	Oct 2	8.8	Sep 12	1.0	Sep 4 1956
ANNUAL SEVEN-DAY MINIMUM	38	Sep 29	21	Sep 3	8.7	Sep 30 1957
MAXIMUM PEAK FLOW			2150	Mar 30	**a**49300	Aug 19 1955
MAXIMUM PEAK STAGE			5.85	Mar 30	**b**18.96	Aug 19 1955
INSTANTANEOUS LOW FLOW			**d**8.8	Nov 25	**c**1.0	Sep 4 1956
10 PERCENT EXCEEDS	580		404		611	
50 PERCENT EXCEEDS	150		110		184	
90 PERCENT EXCEEDS	49		38		37	

a From rating curve extended above 5,100 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks.
c Also occurred July 12, 1949, Sept. 17, 18, 1950, July 9, 1951, Sep. 4, 1956, Oct. 29, 1956, and Jan. 27, 1985 (ice siphoning).
d Also occurred on Sep. 11, 12.



01124000 QUINEBAUG RIVER AT QUINEBAUG, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses available for water years 1953 (WSP 1290), 1960 (WSP 1741), 1963 (WSP 1941), 1969 (WSP 2143). Water temperatures available for water year 1960 (WSP 1741). 1980 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1959 to September 1960, October 1968 to September 1969.
pH: October 1959 to September 1960, October 1968 to September 1969.
WATER TEMPERATURES: October 1959 to September 1960, October 1968 to September 1969.
DISSOLVED OXYGEN: October 1959 to September 1960, October 1968 to September 1969.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 308 microsiemens Jan. 31, 1969; minimum, 49 microsiemens Apr. 2, 1960.
pH: Maximum, 7.7 units June 14, 1969; minimum, 5.8 units July 18, 1969.
WATER TEMPERATURES: Maximum, 30.5°C July 16, 1969; minimum, 0.0 C on many days during December to March.
DISSOLVED OXYGEN: Maximum, 15.1 mg/L Dec. 28, 1968; minimum, 1.4 mg/L Sep. 7, 1969.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT													
11...	0945	60	215	7.7	11.5	10.5	.6	--	--	11.3	102	--	--
NOV													
06...	1120	124	164	7.8	8.5	9.0	2.9	--	--	11.9	104	1600k	400
DEC													
12...	1030	68	227	7.2	8.5	3.5	1.7	--	--	13.2	102	--	--
JAN													
09...	1100	133	201	7.2	-2.0	1.0	1.9	--	--	13.5	97	140	148
FEB													
22...	1030	121	247	7.2	-2.0	1.0	2.0	--	--	14.5	101	--	--
MAR													
12...	1125	152	341	7.3	4.0	3.0	2.0	--	--	14.2	106	<1k	11k
31...	1000	1060	170	7.0	5.0	2.0	4.2	--	--	15.2	112	--	--
APR													
23...	0945	275	183	7.5	24.5	14.5	1.5	--	--	10.1	100	26	9k
MAY													
07...	0850	78	227	6.9	12.0	16.0	1.6	2.2	E.2	9.8	100	--	--
21...	0950	104	227	7.2	19.0	18.5	2.2	1.2	<.01	8.9	96	28	15k
JUN													
04...	1245	366	187	7.1	20.5	16.5	3.2	--	--	8.9	93	170	64
11...	0810	101	185	6.5	--	20.0	2.2	1.3	<.1	8.7	97	--	--
25...	0815	227	156	6.9	--	22.0	5.0	1.0	<.1	7.6	86	--	--
JUL													
09...	0810	85	208	8.2	22.0	21.0	5.5	1.3	.3	8.2	92	--	--
16...	0915	71	219	7.7	22.0	21.5	3.7	--	--	8.4	97	110	47
23...	0830	45	226	7.4	22.0	22.0	1.4	1.8	.3	8.5	98	--	--
AUG													
06...	0700	33	288	7.1	24.0	23.0	1.4	4.1	.7	7.1	83	--	--
20...	0800	39	238	7.2	--	23.0	1.1	2.4	.6	7.3	86	--	--
22...	0930	43	234	7.5	27.0	23.0	1.4	--	--	7.9	94	84	42
SEP													
10...	0800	21	277	6.9	--	20.5	.5	1.0	<.1	8.1	91	--	--
24...	1000	45	234	7.7	21.0	19.5	1.3	.4	<.1	8.2	90	740	1000

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT--Continued

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

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT													
11...	--	--	--	--	--	.0	23	19	--	--	--	--	--
NOV													
06...	28	7.79	2.11	18.2	2.15	.0	21	17	7.9	28.7	E.1	4.6	94
DEC													
12...	--	--	--	--	--	.0	18	15	--	--	--	--	--
JAN													
09...	29	8.02	2.12	23.8	2.02	.0	18	15	9.3	39.6	<.2	8.0	111
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
12...	33	9.39	2.39	47.1	1.94	.0	15	12	10.8	81.3	<.2	8.2	185
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
23...	--	--	--	--	--	.0	10	8	--	--	--	--	--
MAY													
07...	--	--	--	--	--	.0	12	10	--	--	--	--	--
21...	32	8.82	2.37	28.6	1.90	.0	15	12	9.7	49.9	E.1	4.1	135
JUN													
04...	25	7.06	1.89	24.7	1.54	.0	11	9	7.5	40.0	<.2	4.4	126
11...	--	--	--	--	--	.0	14	11	--	--	--	--	--
25...	--	--	--	--	--	.0	14	11	--	--	--	--	--
JUL													
09...	--	--	--	--	--	.0	16	13	--	--	--	--	--
16...	35	9.97	2.34	26.8	2.11	.0	20	16	10.2	44.4	E.1	4.5	123
23...	--	--	--	--	--	.0	23	19	--	--	--	--	--
AUG													
06...	--	--	--	--	--	.0	27	22	--	--	--	--	--
20...	--	--	--	--	--	.0	23	19	--	--	--	--	--
22...	39	11.4	2.59	29.4	2.63	.0	26	21	9.4	49.7	.2	4.6	137
SEP													
10...	--	--	--	--	--	.0	32	26	--	--	--	--	--
24...	38	11.0	2.60	26.9	2.59	.0	24	20	10.6	48.2	<.2	4.3	122

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)
OCT													
11...	--	.088	.523	.100	.48	.58	.37	1.1	.046	.013	<.020	--	--
NOV													
06...	96	.092	.254	.079	.40	.48	.34	.74	.043	.013	<.018	17	.07
DEC													
12...	--	.078	.344	.104	.38	.49	.45	.83	.044	.014	<.018	--	--
JAN													
09...	110	.049	.300	.235	.33	.57	.50	.87	.035	.019	E.013	21	.07
FEB													
22...	--	E.004	.298	.294	.25	.55	.49	.85	.043	.021	E.013	--	--
MAR													
12...	180	.019	.306	.211	.22	.43	.38	.73	.025	.007	<.018	14	.05
31...	108	<.006	.327	.048	.27	.31	.18	.64	.036	.008	<.018	--	--
APR													
23...	--	.008	.183	.073	.35	.42	.31	.61	.022	.007	<.018	--	--
MAY													
07...	--	.104	.338	.060	.42	.48	.30	.81	<.060	<.060	<.018	--	--
21...	140	.010	.372	.058	.32	.38	.27	.75	.046	.018	<.020	13	.13
JUN													
04...	110	.006	.157	E.025	--	.44	.26	.60	.046	.013	<.020	21	.09
11...	--	.007	.276	E.023	--	.24	.22	.52	.035	.012	<.020	--	--
25...	--	.017	.203	E.034	--	1.2	.37	1.4	.058	.022	<.020	--	--
JUL													
09...	--	.020	.449	E.040	--	.43	.43	.88	.069	.029	<.020	--	--
16...	136	E.004	.433	<.040	--	.40	.30	.83	.058	.023	<.020	17	.20
23...	--	<.006	.296	E.034	--	.47	.28	.76	.040	.014	<.020	--	--
AUG													
06...	--	.007	.442	E.022	--	.44	.36	.88	.033	.013	<.020	--	--
20...	--	<.006	.485	<.040	--	.43	.30	.92	.039	.015	<.020	--	--
22...	150	E.005	.524	E.025	--	.42	.35	.94	.039	.020	<.020	8	.23
SEP													
10...	--	E.005	.855	E.022	--	.40	.30	1.3	.033	.017	<.020	--	--
24...	128	E.003	.471	<.040	--	.33	.29	.80	.036	.018	<.020	7	.22

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT--Continued

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

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
06...	8.1	<.06	E.02	<.8	.08	.9	320	.41	23.1	.2	.60	<1.0	2
DEC													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
09...	10.5	<.06	E.03	<.8	.16	1.1	340	.26	62.1	<.2	.77	<1.0	5
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
12...	15.0	<.06	.04	<.8	.20	.9	130	.16	89.2	E.1	.77	<1.0	5
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	12.3	<.06	E.03	E.4	.16	1.3	310	.44	73.0	.5	.87	<1.0	3
JUN													
04...	10.6	<.06	<.04	<.8	.16	1.1	210	.12	59.0	E.1	.79	<1.0	2
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	11.7	<.06	E.03	<.8	.14	1.2	380	.66	48.4	1.3	.96	<1.0	2
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	11.5	<.06	E.03	<.8	.12	1.5	210	.46	30.8	1.5	.72	<1.0	2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	11.6	<.06	E.03	<.8	.09	1.4	250	.39	34.6	1.1	1.01	<1.0	2

DATE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT		
11...	--	5.1
NOV		
06...	<.02	6.3
DEC		
12...	--	5.7
JAN		
09...	<.02	5.6
FEB		
22...	--	--
MAR		
12...	.03	3.6
31...	--	--
APR		
23...	--	--
MAY		
07...	--	--
21...	E.01	4.7
JUN		
04...	E.01	6.8
11...	--	--
25...	--	--
JUL		
09...	--	--
16...	<.02	6.1
23...	--	--
AUG		
06...	--	5.7
20...	--	5.3
22...	<.02	5.3
SEP		
10...	--	4.9
24...	<.02	4.5

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01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT

LOCATION.--Lat 41°56'29", long 71°53'58", Windham County, Hydrologic Unit 01100001, on left bank 350 ft downstream from concrete v-notch wier below West Thompson Dam.
DRAINAGE AREA.--172 mi^2.
PERIOD OF RECORD.--June 1966 to September 1989. October 1989 to September 2000 unpublished. October 2000 to September 2001 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is 289.34 ft above sea level.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by East Brimfield, Westville, and West Thompson Lakes and smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,060 ft^3/s, Mar. 24, gage height, 5.45 ft; minimum discharge, 14 ft^3/s, Oct. 10, 19, 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	46	98	129	121	215	243	1850	378	208	120	33	30
2	45	106	127	121	206	229	1910	307	253	129	32	29
3	43	119	121	121	200	214	1740	197	322	115	29	28
4	43	108	112	121	181	197	1530	179	326	98	30	27
5	43	103	104	121	181	196	1410	168	401	104	32	26
6	146	108	104	125	171	189	1180	153	353	132	32	26
7	135	111	93	127	196	212	1030	139	226	109	31	25
8	90	106	84	128	201	215	1310	127	156	103	49	25
9	57	105	78	132	191	199	1670	120	134	97	28	25
10	45	133	68	125	209	202	1700	118	125	100	40	25
11	37	179	74	122	242	200	1570	82	107	126	61	36
12	37	150	75	121	232	199	1400	91	140	116	57	32
13	38	132	88	121	240	287	1200	107	145	103	73	26
14	38	117	88	121	234	344	1100	113	139	93	81	26
15	38	147	83	119	235	337	1040	102	149	86	87	25
16	67	161	81	119	241	359	609	94	127	79	63	27
17	134	158	222	80	243	389	495	92	284	74	50	30
18	170	143	910	74	224	456	566	91	979	76	47	39
19	82	118	706	104	211	535	548	89	730	74	50	46
20	34	118	463	135	207	527	492	80	431	68	56	49
21	34	104	385	145	201	507	396	79	391	66	62	67
22	34	89	367	139	191	818	272	79	334	63	57	86
23	34	92	356	133	191	1470	237	118	284	44	48	79
24	34	83	340	120	180	1960	192	202	254	28	48	48
25	43	98	312	141	178	1880	221	240	186	35	41	76
26	61	64	118	129	231	1550	232	242	152	42	34	143
27	71	126	49	114	267	1290	200	266	164	54	34	98
28	72	142	52	113	261	1290	189	283	148	46	42	88
29	68	131	96	112	---	1290	189	262	131	43	36	84
30	74	126	118	134	---	1140	288	274	120	41	32	83
31	89	---	120	205	---	1320	---	255	---	37	30	---
TOTAL	1982	3575	6123	3843	5960	20244	26766	5127	7899	2501	1425	1454
MEAN	63.9	119	198	124	213	653	892	165	263	80.7	46.0	48.5
MAX	170	179	910	205	267	1960	1910	378	979	132	87	143
MIN	34	64	49	74	171	189	189	79	107	28	28	25

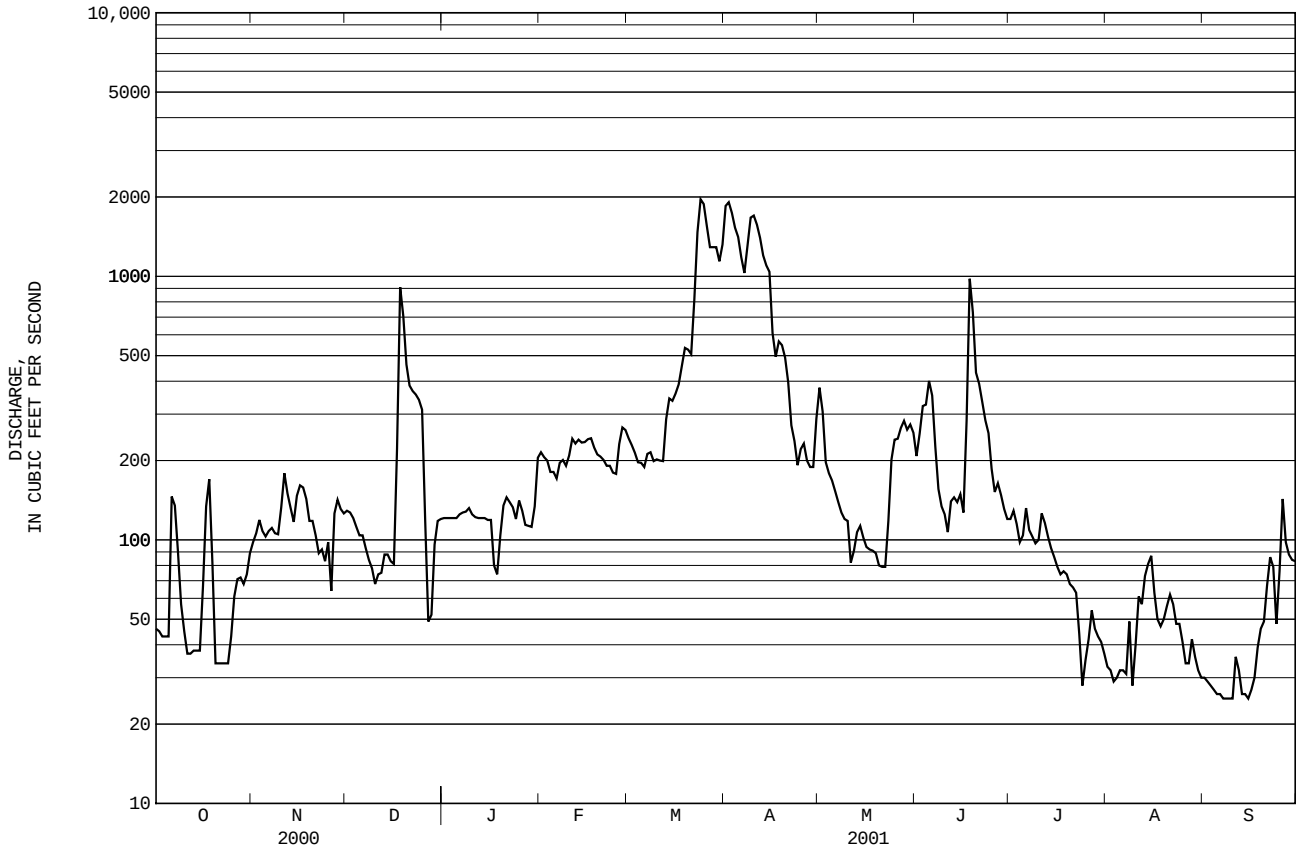
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	193	251	376	379	392	591	617	345	267	112	90.0	84.4
MAX	932	567	1136	1030	880	1036	1447	730	999	323	511	213
(WY)	1976	1976	1997	1979	1976	1972	1987	1972	1982	1972	1989	1989
MIN	44.8	78.4	113	39.9	93.3	240	194	140	44.3	31.1	26.6	23.6
(WY)	1969	1977	1999	1981	1980	1989	1985	1986	1999	1999	1981	1995

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	94516		86899			
ANNUAL MEAN	258		238		306	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1985
HIGHEST DAILY MEAN	1850	Apr 23	1960	Mar 24	2770	Apr 10 1987
LOWEST DAILY MEAN	34	Oct 20	25	Sep 7	3.1	Jan 12 1981
ANNUAL SEVEN-DAY MINIMUM	39	Oct 20	26	Sep 4	10	Aug 31 1975
MAXIMUM PEAK FLOW			2060	Mar 24		
MAXIMUM PEAK STAGE			5.45	Mar 24		
INSTANTANEOUS LOW FLOW			**a**14	Oct 10		
10 PERCENT EXCEEDS	586		493		693	
50 PERCENT EXCEEDS	163		121		194	
90 PERCENT EXCEEDS	51		36		39	

a Also occurred Oct. 19.



01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT

LOCATION.--Lat 41°58'41", long 71°54'03", Windham County, Hydrologic Unit 01100002, at Red Bridge Rd., 0.5 mi south of North Grosvenordale, 0.45 mi downstream from Backwater Brook, 1.2 mi upstream from Stoud Brook.
DRAINAGE AREA.-- 101 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Partial-record gage October 1991 to June 2000. June 2000 to September 2001 (discontinued).
GAGE.--Water-stage recorder.
REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Hodges Village and Buffumville Reservoirs, by Lake Chaubunagungamaug and other smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,220 ft^3/s, Mar. 30, gage height, 10.09 ft; estimated minimum discharge, 10.0 ft^3/s, Oct. 5.

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	13	53	e80	e115	e130	e180	549	130	93	112	24	21
2	12	53	e75	e110	e120	e165	681	106	163	134	23	19
3	12	55	e70	e105	e110	e155	802	110	247	99	25	18
4	e11	53	e66	e100	e105	150	833	117	268	99	33	18
5	e10	50	e62	e96	e100	144	812	38	235	98	31	17
6	e44	54	e59	e92	e115	152	743	75	215	110	36	15
7	e40	56	e57	e89	e110	179	723	75	141	89	39	15
8	e47	65	e55	e85	e108	179	803	77	115	78	32	15
9	e61	73	e53	e81	e106	180	712	65	108	74	26	14
10	e34	111	e51	e78	e135	195	819	63	94	81	57	14
11	e38	120	e50	e75	e175	163	806	57	87	180	55	13
12	e36	129	e48	e72	e160	178	809	51	101	143	42	12
13	e42	121	e47	e70	e150	221	818	50	104	119	53	12
14	e40	115	e46	e67	e140	257	785	46	115	98	61	17
15	e38	129	e45	e65	e130	260	795	47	109	82	63	14
16	e48	120	e44	e62	e128	265	761	51	100	71	51	12
17	e67	116	213	e60	e123	269	705	50	348	68	46	13
18	e60	101	374	e59	e120	295	650	48	479	66	46	13
19	e50	90	457	e58	e115	314	626	46	417	61	48	12
20	e65	82	367	e78	e110	327	555	41	347	58	57	12
21	e50	76	324	e74	e107	350	440	39	279	51	65	18
22	e48	e68	e280	e70	e104	703	322	51	259	49	51	16
23	e46	e62	e240	e68	e102	686	271	67	229	47	43	14
24	e60	e56	e220	e66	e100	746	243	98	204	40	39	18
25	e90	e53	e200	e74	e98	752	222	103	183	36	33	51
26	77	e50	e185	e70	156	685	210	107	170	38	29	60
27	59	e100	e170	e66	172	599	180	121	170	42	32	50
28	50	e95	e155	e63	193	744	169	111	140	37	33	40
29	43	e90	e145	e60	---	763	157	107	94	32	25	32
30	44	e85	e135	e100	---	943	150	107	94	28	23	25
31	51	---	e125	e140	---	644	---	102	---	26	22	---
TOTAL	1386	2481	4498	2468	3522	11843	17151	2356	5708	2346	1243	620
MEAN	44.7	82.7	145	79.6	126	382	572	76.0	190	75.7	40.1	20.7
MAX	90	129	457	140	193	943	833	130	479	180	65	60
MIN	10	50	44	58	98	144	150	38	87	26	22	12

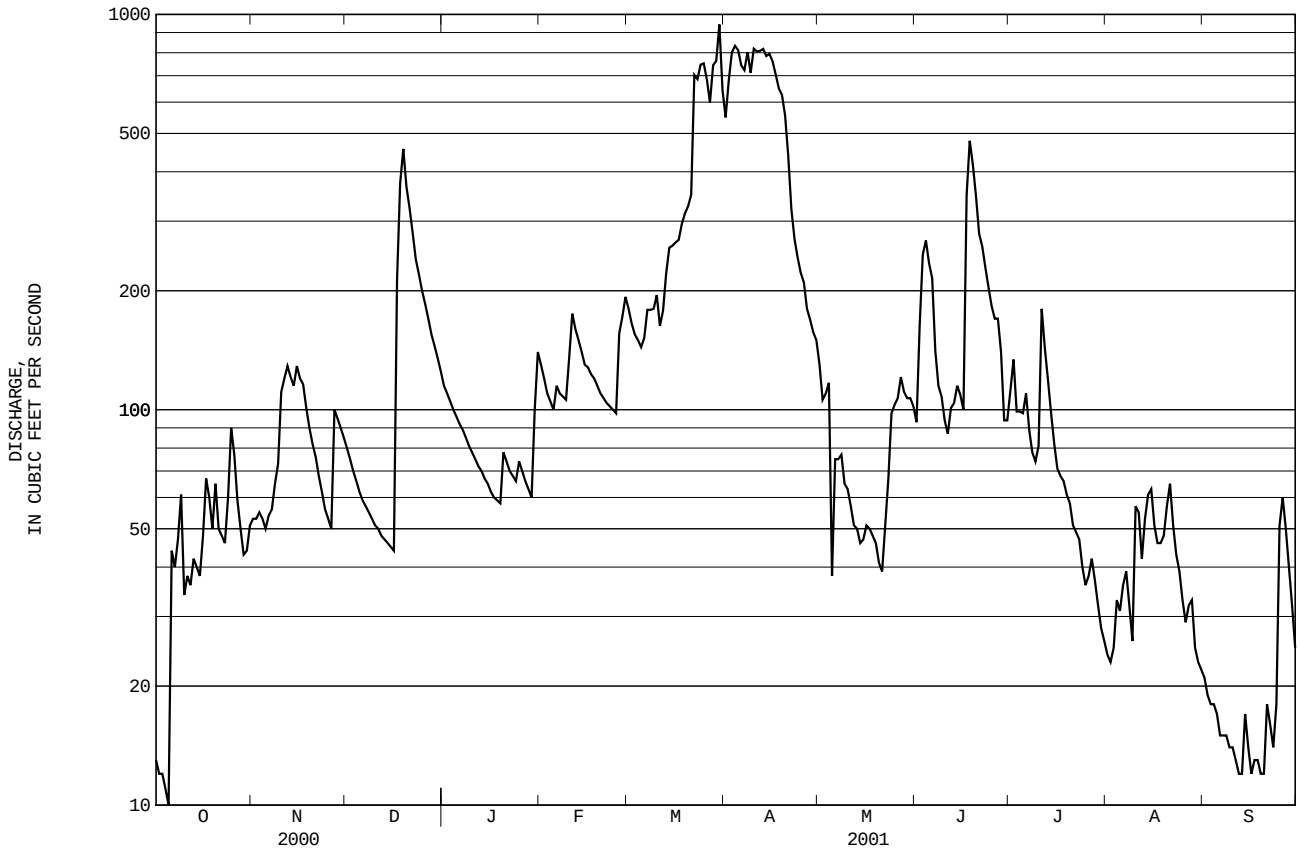
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	44.7	82.7	145	79.6	126	382	572	76.0	211	75.2	41.3	23.0
MAX	44.7	82.7	145	79.6	126	382	572	76.0	232	75.7	42.5	25.2
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	2000	2000
MIN	44.7	82.7	145	79.6	126	382	572	76.0	190	74.6	40.1	20.7
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	2001

e Estimated.

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			55622			
ANNUAL MEAN			152		152	
HIGHEST ANNUAL MEAN					152	2001
LOWEST ANNUAL MEAN					152	2001
HIGHEST DAILY MEAN	559	Jun 8	943	Mar 30	943	Mar 30 2001
LOWEST DAILY MEAN	10	Oct 5	10	Oct 5	10	Oct 5 2000
ANNUAL SEVEN-DAY MINIMUM	15	Sep 29	13	Sep 11	13	Sep 11 2001
MAXIMUM PEAK FLOW			1220	Mar 30	1220	Mar 30 2001
MAXIMUM PEAK STAGE			10.09	Mar 30	10.09	Mar 30 2001
INSTANTANEOUS LOW FLOW			10	Oct 5	10	Oct 5 2000
10 PERCENT EXCEEDS	238		357		304	
50 PERCENT EXCEEDS	60		82		75	
90 PERCENT EXCEEDS	23		26		23	



01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1991 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT													
11...	1145	50	298	7.7	12.0	13.0	2.9	--	--	11.2	108	--	--
NOV													
06...	1400	68	194	8.2	10.0	10.0	2.9	--	--	13.0	117	35k	4k
DEC													
12...	1250	87	212	7.4	5.0	2.0	1.0	--	--	13.7	101	--	--
JAN													
09...	1330	61	272	7.4	-1.0	1.0	1.5	--	--	14.1	101	560	188
FEB													
22...	1310	121	329	7.5	-1.0	2.0	2.0	--	--	15.0	107	--	--
MAR													
12...	1410	178	340	7.4	6.5	3.5	1.7	--	--	14.2	107	87k	21k
31...	1215	620	178	6.9	8.0	3.0	2.8	--	--	13.3	100	--	--
APR													
23...	1145	321	171	7.4	24.5	15.5	1.6	--	--	10.2	103	8k	13k
MAY													
07...	1120	87	233	7.6	21.0	18.5	.5	5.0	E.2	11.1	100	--	--
21...	1245	43	281	7.8	20.0	19.5	2.7	4.0	E.2	9.8	105	39	<1k
JUN													
04...	0935	255	192	7.5	20.0	17.5	5.4	--	--	9.0	96	180	83
11...	1000	81	215	6.7	--	22.0	1.3	7.0	.5	8.8	101	--	--
25...	0955	173	179	6.8	28.0	24.0	2.4	3.5	E.2	8.2	96	--	--
JUL													
09...	0945	60	210	6.6	22.0	22.0	2.6	4.0	.4	8.3	97	--	--
16...	1115	71	227	7.5	24.5	23.0	1.1	--	--	8.3	99	30	57
23...	1030	43	244	6.4	28.0	25.0	1.7	4.2	.5	9.5	116	--	--
AUG													
06...	0830	33	265	6.8	--	25.0	1.4	3.1	.8	7.9	96	--	--
20...	0940	57	237	7.6	--	24.0	.6	10.7	2.1	7.5	90	--	--
22...	1205	55	233	7.8	30.0	25.5	1.4	--	--	8.4	105	48	92
SEP													
10...	0930	20	297	7.0	--	23.0	3.2	8.5	1.0	8.1	94	--	--
24...	1215	22	348	8.7	24.5	22.0	1.4	--	--	9.5	109	1100	480

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT													
11...	--	--	--	--	--	.0	55	45	--	--	--	--	--
NOV													
06...	29	9.03	1.60	23.0	3.49	.0	33	27	8.1	28.1	<.2	2.4	111
DEC													
12...	--	--	--	--	--	.0	30	25	--	--	--	--	--
JAN													
09...	34	10.8	1.80	35.6	3.24	.0	27	22	9.5	52.6	<.2	6.8	144
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
12...	34	10.9	1.78	47.1	2.85	.0	23	19	9.5	75.4	<.2	5.7	179
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
23...	--	--	--	--	--	.0	17	14	--	--	--	--	--
MAY													
07...	--	--	--	--	--	.0	26	21	--	--	--	--	--
21...	38	12.2	1.92	37.8	3.71	.0	41	34	11.7	50.4	E.1	2.7	164
JUN													
04...	28	8.78	1.38	24.8	2.35	.0	18	15	6.9	39.3	E.1	3.2	124
11...	--	--	--	--	--	.0	21	17	--	--	--	--	--
25...	--	--	--	--	--	.0	17	14	--	--	--	--	--
JUL													
09...	--	--	--	--	--	.0	18	14	--	--	--	--	--
16...	30	9.34	1.56	29.4	2.73	.0	29	24	7.7	42.2	<.2	3.3	126
23...	--	--	--	--	--	.0	39	32	--	--	--	--	--
AUG													
06...	--	--	--	--	--	.0	26	21	--	--	--	--	--
20...	--	--	--	--	--	.0	31	25	--	--	--	--	--
22...	36	11.3	1.82	30.1	3.66	.0	32	26	9.9	43.8	E.1	3.8	141
SEP													
10...	--	--	--	--	--	.0	44	36	--	--	--	--	--
24...	42	13.2	2.27	48.7	5.80	.0	49	47	16.1	58.3	<.2	3.4	186

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

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

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)
OCT													
11...	--	.022	3.74	.042	1.00	1.0	.68	4.8	.155	.065	.049	--	--
NOV													
06...	112	.007	1.34	<.041	--	.59	.47	1.9	.136	.100	.077	23	.18
DEC													
12...	--	.019	1.34	.056	.57	.62	.49	2.0	.156	.132	.111	--	--
JAN													
09...	145	.160	1.22	.115	.53	.65	.52	1.9	.149	.126	.104	28	.16
FEB													
22...	--	.011	.837	.101	.34	.44	.38	1.3	.085	.060	.052	--	--
MAR													
12...	176	.010	.772	.064	.36	.43	.38	1.2	.085	.060	.051	22	.09
31...	118	.010	.422	.127	.35	.47	.31	.90	.034	.009	<.018	--	--
APR													
23...	--	<.006	.516	<.041	--	.43	.29	.95	.047	.018	<.018	--	--
MAY													
07...	--	.008	.726	E.025	--	.60	.40	1.3	E.056	<.060	<.018	--	--
21...	162	.011	1.15	.046	.62	.67	.43	1.8	.068	.026	<.020	48	.20
JUN													
04...	112	.006	.482	.047	.49	.53	.36	1.0	.061	.024	<.020	31	.12
11...	--	.007	.933	E.036	--	.51	.42	1.4	.052	.031	<.020	--	--
25...	--	.006	.466	<.040	--	.52	.39	.99	.060	.027	E.010	--	--
JUL													
09...	--	.017	.607	.052	.47	.52	.56	1.1	.052	.025	<.020	--	--
16...	128	.009	.666	<.040	--	.56	.46	1.2	.059	.033	E.012	49	.18
23...	--	.008	1.20	.050	.68	.73	.47	1.9	.055	.028	<.020	--	--
AUG													
06...	--	.010	1.29	.050	.51	.56	.48	1.8	.041	.023	<.020	--	--
20...	--	.006	.968	E.029	--	.61	.41	1.6	.042	.014	<.020	--	--
22...	148	.009	1.10	E.029	--	.55	.48	1.6	.038	.018	<.020	29	.22
SEP													
10...	--	.012	1.97	E.031	--	.77	.56	2.7	.057	.027	E.013	--	--
24...	182	.013	3.08	<.040	--	.83	.63	3.9	.061	.028	E.009	60	.64

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
06...	8.6	<.06	<.04	<.8	.07	3.6	200	.52	24.8	E.2	.66	<1.0	4
DEC													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
09...	13.8	<.06	E.03	<.8	.13	4.4	200	.35	69.8	E.1	.72	<1.0	8
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
12...	16.8	<.06	E.03	<.8	.14	3.0	150	.32	66.3	<.2	.59	<1.0	8
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	11.2	<.06	<.04	E.7	.11	4.4	220	.60	24.5	.3	.67	<1.0	3
JUN													
04...	11.5	E.04	<.04	E.5	.10	2.3	250	.38	45.9	E.1	.55	<1.0	3
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	11.1	<.06	<.04	<.8	.09	2.8	390	.72	27.6	.2	.59	<1.0	2
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	11.2	<.06	<.04	E.5	.08	2.8	200	.49	19.9	.3	.46	<1.0	2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	9.9	<.06	E.02	E.8	.12	4.5	160	.51	20.3	.4	.53	<1.0	3

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

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

DATE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT		
11...	--	8.0
NOV		
06...	.07	7.4
DEC		
12...	--	6.4
JAN		
09...	.09	6.9
FEB		
22...	--	--
MAR		
12...	.07	5.3
31...	--	--
APR		
23...	--	--
MAY		
07...	--	--
21...	.10	6.2
JUN		
04...	.06	6.1
11...	--	--
25...	--	--
JUL		
09...	--	--
16...	.07	7.2
23...	--	--
AUG		
06...	--	6.2
20...	--	7.0
22...	<.02	6.1
SEP		
10...	--	7.1
24...	.12	6.5

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01125500 QUINEBAUG RIVER AT PUTNAM, CT

LOCATION.--Lat 41°54'34", long 71°54'48", Windham County, Hydrologic Unit 01100001, on right bank at Putnam, 0.15 mi downstream from Little River, 0.3 mi upstream from New York, New Haven and Hartford Railroad bridge, 2.8 mi downstream from French River, 3.0 mi downstream from West Thompson Dam, and 36 mi upstream from mouth.
DRAINAGE AREA.--328 mi^2.
PERIOD OF RECORD.--December 1929 to September 1969, October 1995 to current year. Monthly discharge only for October and November 1929, published in WSP 1301. Stage record only October 1974 to September 1995.
GAGE.--Water-stage recorder and crest-stage gage.. Datum of gage is 216.76 ft above sea level. Prior to Aug. 1, 1958, at same site on left bank at same datum. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, and Buffumville Reservoirs, by Lake Chaubunagungamaug, estimated usable capacity 207,000,000 ft^3, and by smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,590 ft^3/s, Mar. 31, gage height, 8.04 ft; minimum discharge, 31 ft^3/s, Aug. 30, gage height, 1.71 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	96	177	e280	e280	410	e480	3200	579	354	270	86	68
2	103	189	e260	e270	e380	e460	3130	491	534	295	83	61
3	89	189	e240	e260	e360	e440	2900	364	706	239	73	68
4	88	189	e220	e250	e340	e420	2620	376	750	228	82	70
5	86	178	e210	e240	e325	e400	2460	269	744	245	93	69
6	199	187	e200	e230	e315	e380	2170	285	671	281	112	61
7	191	192	e190	e220	382	465	1970	263	449	233	120	65
8	155	187	e180	e215	399	468	2360	256	316	221	89	60
9	114	204	e170	e210	370	457	2820	234	281	211	90	58
10	110	295	e160	e205	436	479	2830	231	260	227	167	60
11	91	370	e155	e200	e420	453	2630	213	234	363	180	69
12	111	346	e150	e196	e400	466	2430	198	284	325	167	65
13	97	315	e145	e192	473	645	2220	190	289	255	223	57
14	105	295	e140	e188	456	772	2030	185	286	229	226	63
15	96	373	e135	e185	479	794	1940	174	300	206	246	63
16	131	364	e130	e182	488	817	1450	165	253	189	194	60
17	260	343	576	e179	450	875	1250	174	796	173	157	62
18	325	288	1580	176	e430	1020	1280	172	2110	177	140	69
19	249	263	1430	213	e415	1140	1240	173	1650	167	172	77
20	177	257	e1000	272	e400	1150	1130	160	1050	152	164	79
21	173	227	e800	e255	e390	1170	980	151	842	142	201	120
22	163	201	e600	e245	e380	2060	739	165	716	126	164	128
23	152	207	e550	e240	e370	2990	632	248	632	102	123	114
24	153	189	e500	e235	e360	3350	544	403	553	91	96	88
25	151	199	e450	e260	e350	3130	521	473	452	99	75	148
26	163	191	e400	e245	503	2650	522	450	395	113	70	245
27	163	314	e360	231	565	2300	484	487	389	99	88	169
28	145	338	e340	224	569	2300	409	487	339	101	92	138
29	131	333	e320	237	---	2300	415	439	277	95	74	140
30	138	304	e300	258	---	2440	498	438	251	90	83	118
31	165	---	e290	389	---	2950	---	406	---	107	72	---
TOTAL	4570	7704	12461	7182	11615	40221	49804	9299	17163	5851	4002	2712
MEAN	147	257	402	232	415	1297	1660	300	572	189	129	90.4
MAX	325	373	1580	389	569	3350	3200	579	2110	363	246	245
MIN	86	177	130	176	315	380	409	151	234	90	70	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

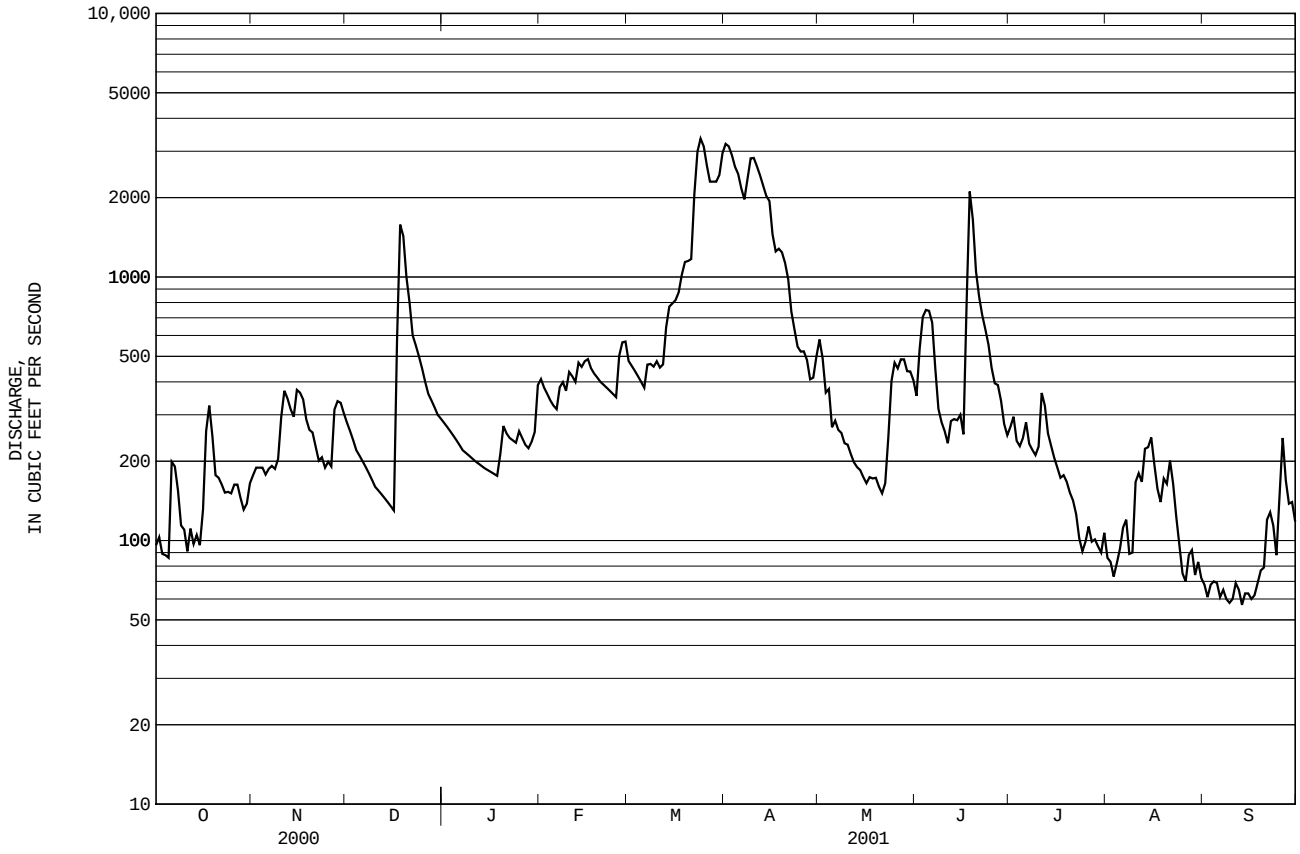
MEAN	273	440	554	648	669	1146	1146	612	421	240	224	258
MAX	1478	1553	1939	1289	1606	3627	2788	1090	1200	1773	2935	2276
(WY)	1956	1956	1997	1937	1951	1936	1940	1945	1948	1938	1955	1938
MIN	43.1	85.0	115	144	245	543	409	273	70.5	50.1	36.3	37.0
(WY)	1958	1965	1931	1944	1931	1941	1966	1965	1999	1999	1999	1957

e Estimated.

01125500 QUINEBAUG RIVER AT PUTNAM, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1930 - 2001	
ANNUAL TOTAL	182221		172584			
ANNUAL MEAN	498		473		556	
HIGHEST ANNUAL MEAN					988	1938
LOWEST ANNUAL MEAN					257	1965
HIGHEST DAILY MEAN	3190	Apr 23	3350	Mar 24	26400	Aug 20 1955
LOWEST DAILY MEAN	74	Sep 14	57	Sep 13	8.0	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	81	Sep 8	62	Sep 8	16	Sep 2 1999
MAXIMUM PEAK FLOW			3590	Mar 31	**a**48000	Aug 19 1955
MAXIMUM PEAK STAGE			8.04	Mar 31	**b**26.50	Aug 19 1955
INSTANTANEOUS LOW FLOW			31	Aug 30	3.9	Sep 2 1999
10 PERCENT EXCEEDS	1080		1130		1210	
50 PERCENT EXCEEDS	314		250		370	
90 PERCENT EXCEEDS	105		90		86	

a From rating curve extended above 2,500 ft^3/s on basis of computation of flow over dam at gage heights, 17.28 and 19.45 ft and slope-area measurement of peak flow.
b From floodmarks.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses available for water years 1955, 1957-1958, 1959, 1960, 1962, 1970, 1972, January 1999 to current.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)
OCT													
12...	1100	104	240	7.5	17.5	11.5	--	--	--	11.8	107	--	--
NOV													
07...	1115	177	186	7.7	14.0	9.0	2.2	--	--	12.7	110	<1.0	170k
DEC													
13...	0930	189	205	7.2	-3.0	.0	--	--	--	14.8	99	--	--
27...	1315	208	186	7.4	-5.0	1.5	2.1	--	--	13.4	98	<1.0	110
JAN													
10...	1115	323	211	7.5	-5.0	.5	1.4	--	--	13.6	95	--	--
FEB													
22...	1140	401	264	7.6	-3.5	1.0	1.3	--	--	14.8	103	--	88
MAR													
13...	1200	740	312	7.3	2.0	2.0	3.2	--	--	14.1	104	--	--
31...	1420	3510	140	6.8	7.5	3.0	6.5	--	--	13.8	104	--	--
APR													
24...	0930	549	171	7.9	28.0	16.0	1.9	--	--	10.0	102	--	--
MAY													
01...	0945	596	180	7.3	20.0	15.5	2.0	--	--	10.4	103	<1.0	14k
08...	0950	252	207	7.0	17.5	16.5	2.4	2.8	<.1	9.8	99	--	--
22...	1000	154	217	7.5	18.0	17.0	3.7	2.1	E.1	9.2	96	--	--
JUN													
05...	1000	799	169	7.5	21.0	17.5	5.0	--	--	9.7	102	1.0	92
12...	1045	282	188	7.2	--	23.0	2.3	4.6	<.1	8.6	100	--	--
26...	1030	437	167	6.8	28.0	24.0	3.3	3.1	.3	8.4	100	--	--
JUL													
10...	0850	211	202	6.9	25.0	23.0	2.1	5.4	.9	8.3	99	--	--
24...	1000	90	209	7.7	--	25.0	3.2	14.5	3.0	8.9	109	--	--
31...	1000	129	223	7.9	24.5	22.5	1.9	--	--	8.4	97	<1.0	41
AUG													
07...	0830	133	234	7.6	--	26.0	2.3	1.9	.3	7.8	96	--	--
21...	0740	211	217	7.5	--	24.0	1.6	4.5	.8	7.7	92	--	--
23...	1030	127	204	7.8	25.5	24.5	2.1	--	--	8.6	104	1.7	150
SEP													
11...	1015	64	239	7.9	--	22.5	5.9	12.8	1.2	8.9	103	--	--
25...	1010	161	202	7.4	22.5	21.0	16	26.7	.7	8.5	97	--	--

01125500 QUINEBAUG RIVER AT PUTNAM, CT--Continued

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

DATE	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
12...	--	--	--	--	.0	40	33	--	--	--	--	.010	1.21
NOV													
07...	25k	33	9.80	2.10	.0	26	21	31.9	108	<10	--	.017	.510
DEC													
13...	--	--	--	--	.0	22	18	--	--	--	--	.024	.739
27...	66	29	8.68	1.79	.0	17	14	36.8	108	<10	--	.012	.636
JAN													
10...	--	--	--	--	.0	22	18	--	--	--	--	.077	.658
FEB													
22...	38	33	9.77	2.12	.0	20	16	50.9	137	<10	--	.012	.658
MAR													
13...	--	--	--	--	.0	18	15	--	--	--	--	.011	.554
31...	--	--	--	--	--	--	--	--	--	--	88	E.005	.399
APR													
24...	--	--	--	--	.0	13	11	--	--	--	--	E.005	.410
MAY													
01...	8k	27	8.02	1.78	.0	13	11	37.7	10	<10	--	.016	.332
08...	--	--	--	--	.0	18	15	--	--	--	--	.017	.346
22...	--	--	--	--	.0	27	22	--	--	--	--	.011	.650
JUN													
05...	44	27	8.03	1.77	.0	15	12	36.0	111	<10	--	<.006	.272
12...	--	--	--	--	.0	17	14	--	--	--	--	.007	.404
26...	--	--	--	--	.0	15	12	--	--	--	--	.008	.414
JUL													
10...	--	--	--	--	.0	20	16	--	--	--	--	E.005	.421
24...	--	--	--	--	.0	26	21	--	--	--	--	E.004	.257
31...	66k	34	10.3	2.10	.0	29	24	42.1	118	<10	--	E.003	.406
AUG													
07...	--	--	--	--	.0	24	20	--	--	--	--	.006	.401
21...	--	--	--	--	.0	26	22	--	--	--	--	E.004	.427
23...	196	37	11.4	2.10	.0	26	21	37.1	119	<10	--	E.004	E.463
SEP													
11...	--	--	--	--	.0	37	30	--	--	--	--	E.004	.323
25...	--	--	--	--	.0	26	21	--	--	--	--	<.006	.331

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)
OCT													
12...	<.040	--	.81	.39	2.0	.092	.027	<.020	--	--	--	--	--
NOV													
07...	<.041	--	.47	.32	.98	.048	.019	<.018	50	13	.21	<2	9.7
DEC													
13...	E.022	--	.47	.38	1.2	.081	.056	.043	--	--	--	--	--
27...	.061	.41	.47	.34	1.1	.056	.036	.023	75	30	.16	<2	11.9
JAN													
10...	.177	.38	.56	.43	1.2	.065	.052	.037	--	--	--	--	--
FEB													
22...	.131	.34	.48	.50	1.1	.052	.032	.023	64	25	.11	<2	13.2
MAR													
13...	.104	.39	.49	.34	1.0	.053	.021	E.012	--	--	--	--	--
31...	.081	.40	.48	.22	.87	.056	.015	<.018	--	--	--	--	--
APR													
24...	.078	.27	.34	.21	.75	.036	.014	<.018	--	--	--	--	--
MAY													
01...	<.041	--	.41	--	.75	.035	--	--	77	24	.13	<2	12.0
08...	<.041	--	.47	.32	.82	E.040	<.060	<.018	--	--	--	--	--
22...	E.033	--	.56	.35	1.2	.056	.020	<.020	--	--	--	--	--
JUN													
05...	<.040	--	.43	--	.71	E.058	--	--	124	28	.10	<2	12.2
12...	.056	.40	.45	.36	.86	.058	.023	<.020	--	--	--	--	--
26...	E.026	--	.54	.40	.95	.062	.032	E.012	--	--	--	--	--
JUL													
10...	E.035	--	.51	.37	.93	.051	.024	<.020	--	--	--	--	--
24...	<.040	--	.61	.39	.87	.047	.013	<.020	--	--	--	--	--
31...	<.040	--	.66	--	1.1	E.055	--	--	68	24	.32	M	12.0
AUG													
07...	E.036	--	.44	.37	.84	.039	.014	<.020	--	--	--	--	--
21...	.071	.50	.57	.37	1.0	.048	.015	<.020	--	--	--	--	--
23...	<.040	--	.39	--	--	E.031	--	--	62	17	.24	E1	12.5
SEP													
11...	<.040	--	.84	.35	1.2	.066	.011	<.020	--	--	--	--	--
25...	<.040	--	1.4	.29	1.7	.145	.016	<.020	--	--	--	--	--

01125500 QUINEBAUG RIVER AT PUTNAM, CT--Continued

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

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
OCT													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	9.7	<.06	<.11	E.02	1	1.1	.06	2.4	1.7	450	140	1	.71
DEC													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	13.0	<.06	E.06	.04	M	E.7	.16	2.4	1.9	360	170	1	.37
JAN													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
22...	13.1	<.06	E.06	.04	M	<.8	.15	E1.5	1.6	370	200	M	.28
MAR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	12.2	<.06	<.11	E.03	M	.9	.14	1.5	3.2	420	190	2	.67
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
05...	10.9	<.06	E.07	E.03	M	<.8	.12	2.6	1.9	680	250	3	.66
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	11.4	<.06	E.07	.06	2	1.9	.11	3.1	2.2	460	230	1	.88
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	11.9	<.06	<.10	E.02	2	1.9	.11	3.5	2.9	460	200	M	.47
SEP													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
12...	--	--	--	--	--	--	--	--	--	--	--	6.5
NOV												
07...	27	12.7	<.14	.2	<2	.60	<.43	<1.0	<31	2	.03	--
DEC												
13...	--	--	--	--	--	--	--	--	--	--	--	6.2
27...	75	70.7	<.14	.2	M	.71	<.43	<1.0	<31	7	.05	--
JAN												
10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
22...	64	57.1	<.14	E.1	<2	.73	<.43	<1.0	<31	5	.04	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
01...	80	59.3	<.01	E.2	E1	.78	<.43	<1.0	<31	3	.04	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
05...	84	45.9	<.01	.3	E2	.92	<.40	<1.0	<31	7	.05	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
10...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
31...	87	22.3	<.01	.6	E1	.73	<.40	<1.0	<31	2	.04	--
AUG												
07...	--	--	--	--	--	--	--	--	--	--	--	5.2
21...	--	--	--	--	--	--	--	--	--	--	--	6.4
23...	78	34.2	<.01	.6	E1	.59	<.40	<1.0	<31	2	.03	--
SEP												
11...	--	--	--	--	--	--	--	--	--	--	--	8.6
25...	--	--	--	--	--	--	--	--	--	--	--	10

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT

LOCATION.--Lat 41°51'30", long 71°55'28", Windham County, Hydrologic Unit 01100001, at Cotton Rd. Bridge 1.5 mi northwest of Rogers.
DRAINAGE AREA.--342 mi^2.
PERIOD OF RECORD.--Water years 1974-80, March 1995 to current year.
REVISED RECORDS.--WDR CT-74-80, 1995: Drainage area.
REMARKS.--Water-quality records for this site were published under station number 01125720 for water years 1974-80, March 1995 to September 30, 1995. This changes the drainage area from 376 mi^2 to 342 mi^2. Discharge for this location is computed by determining discharge at station 01125500 and adjusting that discharge by multiplying by a factor of 1.04.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)
NOV													
07...	1330	196	187	7.8	14.5	8.5	2.0	--	--	11.6	100	<1.0	57
DEC													
27...	1515	230	193	7.1	-2.0	.0	4.4	--	--	13.4	93	<1.0	96
JAN													
10...	1245	306	209	7.3	-2.5	.0	1.8	--	--	13.6	94	--	83
FEB													
22...	1415	16	260	7.5	-5.0	.5	1.4	--	--	15.1	103	--	28
MAR													
13...	1415	750	302	7.6	3.0	2.5	6.8	--	--	14.2	107	--	110
APR													
24...	1150	606	188	7.3	30.5	17.0	1.3	--	--	10.5	109	--	--
MAY													
01...	1220	662	187	7.4	29.0	17.0	1.4	--	--	11.3	118	1.8	6k
08...	1315	309	208	7.7	21.0	17.5	1.5	2.4	<.1	11.1	115	--	--
22...	1230	184	227	7.2	15.0	16.0	2.4	3.6	E.2	7.9	81	--	100
JUN													
05...	1330	873	190	7.4	22.0	19.0	5.2	--	--	9.4	102	1.3	85k
12...	1300	317	191	6.6	--	21.5	2.3	3.6	<.1	9.3	107	--	--
26...	1230	477	187	7.5	28.0	25.0	2.6	3.7	.5	8.1	98	--	--
JUL													
10...	1130	240	205	7.0	29.0	24.0	2.1	3.6	1.0	8.5	101	--	--
24...	1140	220	237	6.7	--	25.0	1.9	6.3	1.5	8.1	100	--	--
31...	1410	143	243	7.3	26.5	22.5	2.2	--	--	8.4	97	<1.0	28
AUG													
07...	0940	114	260	7.0	--	25.0	2.4	2.9	.5	6.0	73	--	--
21...	0930	187	256	7.2	--	23.0	3.1	3.1	.5	6.6	77	--	--
23...	1330	147	216	7.6	26.0	23.5	2.7	--	--	8.5	101	1.6	38
SEP													
12...	0820	60	286	7.4	--	19.5	5.5	12.1	1.3	5.7	62	--	--
25...	1200	192	269	7.5	22.0	20.5	12	24.7	.7	7.0	79	--	220

DATE	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV													
07...	5k	34	10.2	2.11	--	--	.0	25	21	--	32.3	--	--
DEC													
27...	72	33	10.2	1.90	19.7	2.79	.0	17	14	8.8	35.4	<.2	7.2
JAN													
10...	47	34	9.90	2.17	22.3	2.77	.0	22	18	9.7	37.1	<.2	8.1
FEB													
22...	42	36	11.0	2.14	--	--	.0	21	17	--	55.7	--	--
MAR													
13...	96	36	11.3	1.93	37.1	3.07	.0	21	17	9.2	68.0	<.2	6.4
APR													
24...	--	--	--	--	--	--	.0	13	11	--	--	--	--
MAY													
01...	8k	28	8.46	1.78	--	--	.0	16	13	--	39.5	--	--
08...	--	--	--	--	--	--	.0	18	14	--	--	--	--
22...	50	--	--	--	--	--	.0	28	23	--	--	--	--
JUN													
05...	35	31	9.36	1.73	20.8	2.71	.0	17	14	7.0	39.4	E.1	4.1
12...	--	--	--	--	--	--	.0	15	13	--	--	--	--
26...	--	--	--	--	--	--	.0	15	12	--	--	--	--
JUL													
10...	--	--	--	--	--	--	.0	20	16	--	--	--	--
24...	--	--	--	--	--	--	.0	38	31	--	--	--	--
31...	4k	41	12.8	2.25	--	--	.0	29	24	--	44.9	--	--
AUG													
07...	--	--	--	--	--	--	.0	25	20	--	--	--	--
21...	--	--	--	--	--	--	.0	28	23	--	--	--	--
23...	21	40	12.7	2.09	22.0	3.84	.0	29	24	9.8	40.5	E.1	4.9
SEP													
12...	--	--	--	--	--	--	.0	39	32	--	--	--	--
25...	660	49	15.3	2.48	27.3	4.78	.0	34	28	11.0	51.1	E.1	4.4

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

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

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
NOV													
07...	104	<10	--	.013	.541	<.041	--	.46	.32	1.0	.052	.020	E.012
DEC													
27...	122	11	120	.015	.704	.169	.29	.46	.53	1.2	.097	.035	.024
JAN													
10...	118	--	116	.069	.697	.220	.41	.63	.56	1.3	.070	.051	.048
FEB													
22...	148	<10	--	.013	.643	.209	.33	.54	.49	1.2	.059	.038	.032
MAR													
13...	163	--	158	E.004	.217	.578	.11	.69	1.2	.90	.092	.190	.080
APR													
24...	--	--	--	.006	.441	E.027	--	.40	.26	.84	.041	.017	<.018
MAY													
01...	108	<10	--	.016	.353	<.041	--	.41	--	.76	.042	--	--
08...	--	--	--	.013	.382	.054	.46	.51	.34	.89	E.035	<.060	<.018
22...	138	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
05...	117	<10	104	<.008	.311	E.030	--	.60	.36	.91	.075	.026	<.020
12...	--	--	--	.008	.442	.056	.42	.48	.32	.92	.067	.027	<.020
26...	--	--	--	.007	.463	E.025	--	.52	.40	.99	.070	.043	.021
JUL													
10...	--	--	--	E.004	.429	E.032	--	.46	.37	.89	.057	.033	E.011
24...	--	--	--	.011	.327	.042	.43	.47	.35	.80	.065	.033	E.009
31...	136	<10	--	E.003	.475	<.040	--	.51	.36	.99	.066	.044	.028
AUG													
07...	--	--	--	.013	.397	E.040	--	.43	.40	.82	.064	.049	.018
21...	--	--	--	.006	.412	.068	.48	.55	.37	.96	.056	.027	E.009
23...	132	<10	150	E.005	.477	<.040	--	.51	.37	.98	.053	E.026	E.011
SEP													
12...	--	--	--	.007	.286	E.028	--	.88	.41	1.2	.118	.023	<.020
25...	142	--	156	E.005	.322	<.040	--	.77	.30	1.1	.121	.038	<.020

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
NOV													
07...	44	11	.22	<2	10.0	10.1	<.06	<.11	E.02	1	.8	.06	2.2
DEC													
27...	282	204	.15	<2	15.1	16.8	E.04	E.09	.09	2	2.3	.41	2.8
JAN													
10...	--	29	.12	--	--	12.4	<.06	--	.04	--	E.6	.15	--
FEB													
22...	80	24	.14	<2	14.0	13.8	<.06	<.11	.05	<1	<.8	.15	1.9
MAR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	93	32	.14	<2	11.3	11.4	<.06	E.06	E.03	M	1.2	.14	1.6
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	12	.26	--	--	15.2	<.06	--	E.03	--	2.1	.12	--
JUN													
05...	138	26	.11	E1	13.3	11.5	<.06	E.06	E.03	1	<.8	.12	2.8
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	58	16	.28	M	14.4	13.7	<.06	<.10	E.04	2	2.1	.12	2.6
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	52	13	.25	E1	14.9	14.3	<.06	<.10	E.02	2	1.6	.11	3.1
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	10	.46	--	--	16.8	<.06	--	E.03	--	1.8	.16	--

01125520 QUINEBAUG RIVER AT COTTON ROAD BRIDGE NEAR POMFRET LANDING, CT--Continued

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

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)
NOV													
07...	1.6	440	130	1	.52	32	13.6	<.14	.3	<2	.55	<.43	<1.0
DEC													
27...	2.9	720	180	3	2.58	128	134	<.14	E.2	E1	1.09	<.43	<1.0
JAN													
10...	2.1	--	290	--	.54	--	50.6	--	.3	--	.98	--	<1.0
FEB													
22...	1.7	420	210	1	.32	67	57.6	<.14	E.2	<2	.64	<.43	<1.0
MAR													
13...	--	--	160	--	--	--	--	--	--	--	--	--	--
APR													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
01...	1.7	430	210	2	.76	69	47.8	<.01	.2	M	.76	<.43	<1.0
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	2.1	--	160	--	.63	--	52.5	--	.5	--	.83	--	<1.0
JUN													
05...	1.7	720	170	4	.57	90	36.2	<.01	.3	2	.88	<.40	<1.0
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	2.1	360	190	M	.63	83	52.5	<.01	1.0	<2	.72	<.40	<1.0
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	2.9	410	200	M	.56	81	42.0	<.01	.7	E1	.59	<.40	<1.0
SEP													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	1.8	--	70	--	.29	--	57.4	--	1.2	--	.47	--	<1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV				
07...	<31	2	.03	--
DEC				
27...	E19	10	.09	7.2
JAN				
10...	--	6	.04	5.9
FEB				
22...	<31	5	.04	--
MAR				
13...	--	--	--	7.0
APR				
24...	--	--	--	--
MAY				
01...	<31	2	.04	--
08...	--	--	--	--
22...	--	3	.03	--
JUN				
05...	<31	2	.05	7.8
12...	--	--	--	--
26...	--	--	--	--
JUL				
10...	--	--	--	--
24...	--	--	--	--
31...	<31	2	.03	5.6
AUG				
07...	--	--	--	4.8
21...	--	--	--	6.1
23...	<31	2	.03	6.5
SEP				
12...	--	--	--	10
25...	--	2	.03	6.4

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, Hydrologic Unit 01100001, on left bank behind high school on Slater Avenue at Jewett City, 570 ft downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge and at mile 6.1.
DRAINAGE AREA.--713 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- July 1918 to current year.
REVISED RECORDS.--WSP 781: Drainage area. WSP 1301: 1919-26 (M). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 63.07 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, and Buffumville Reservoirs, by Lake Chaubunagungamaug, estimated usable capacity 207,000,000 ft^3, and by smaller reservoirs upstream and by hydropower plant upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,740 ft^3/s, Mar. 31, gage height, 14.90 ft; minimum discharge, 29 ft^3/s, Oct. 17, gage height, 3.74 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	263	144	721	720	1320	1430	7520	1130	918	680	254	161
2	601	402	682	670	1240	1300	6270	1120	1380	634	141	245
3	269	376	628	627	1150	1160	5450	966	2460	609	143	130
4	223	514	530	650	1010	1090	4830	885	2070	557	266	237
5	222	390	505	695	1020	1070	4350	826	1720	666	149	120
6	215	362	e470	721	895	1070	4040	674	1530	808	254	151
7	388	487	e450	677	1030	1220	3880	656	1200	617	145	199
8	349	323	e430	e650	1000	1150	4040	618	960	575	246	125
9	221	494	e410	e620	1010	1110	5070	602	729	546	138	112
10	215	540	e395	e590	1200	1200	5060	576	689	566	139	128
11	279	835	e390	575	e1140	1190	4660	494	588	701	270	131
12	158	861	504	641	e1100	1240	4270	529	1280	780	416	125
13	199	577	398	550	1290	1950	4070	454	1310	669	669	125
14	203	726	594	588	1150	2790	3650	457	1030	544	704	130
15	203	715	631	653	1270	2680	3390	448	1020	470	611	136
16	206	832	539	660	1310	2600	3070	432	776	391	545	149
17	261	663	1450	661	e1250	2740	2510	428	2180	404	462	150
18	412	506	3590	609	e1200	2950	2380	451	8000	444	299	126
19	547	583	3550	671	e1150	3030	2360	400	6120	427	343	132
20	398	387	2840	818	1130	2920	2160	364	3680	288	413	137
21	353	516	2150	e790	1190	2880	2040	376	2570	409	562	240
22	298	326	1770	e750	e1060	5430	1730	510	2000	251	550	335
23	265	448	1550	e720	e1040	8540	1500	751	1780	250	496	326
24	291	252	1310	e700	1030	7240	1370	1190	1540	260	332	411
25	345	434	1100	799	1020	6280	1240	1570	1380	256	290	313
26	282	436	943	744	1590	5420	1220	1360	1180	288	270	514
27	335	750	862	672	1740	4600	1160	1580	1030	284	262	469
28	352	817	757	596	1630	4140	1080	1560	972	281	215	290
29	383	672	782	588	---	4000	979	1290	762	205	278	334
30	387	706	674	724	---	5340	996	1190	626	233	243	236
31	326	---	787	1150	---	9110	---	1080	---	224	390	---
TOTAL	9449	16074	32392	21279	33165	98870	96345	24967	53480	14317	10495	6417
MEAN	305	536	1045	686	1184	3189	3212	805	1783	462	339	214
MAX	601	861	3590	1150	1740	9110	7520	1580	8000	808	704	514
MIN	158	144	390	550	895	1070	979	364	588	205	138	112

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2001, BY WATER YEAR (WY)

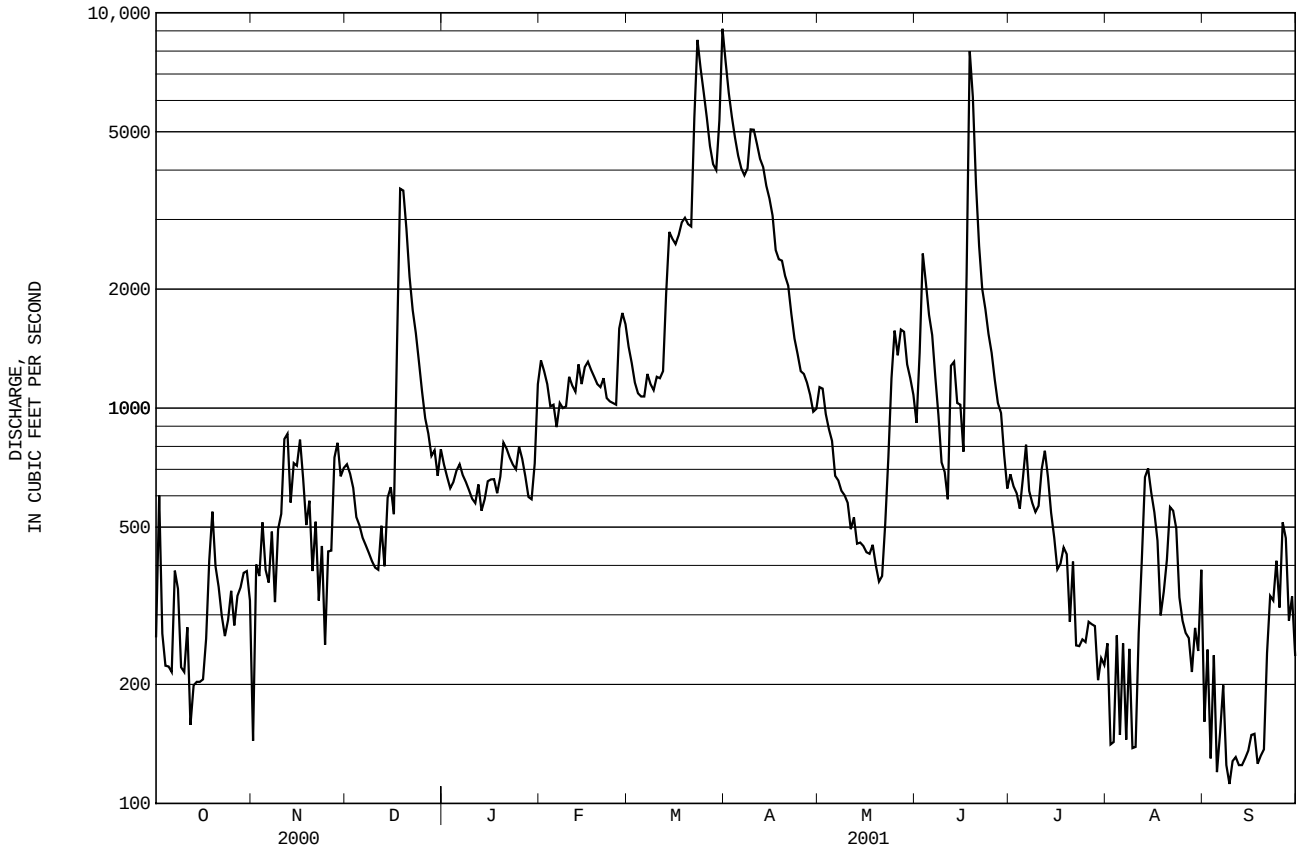
MEAN	660	1071	1477	1608	1679	2550	2438	1513	1012	553	488	511
MAX	3279	3443	4447	5694	3919	6930	5519	2842	4758	4110	3918	3502
(WY)	1956	1956	1997	1979	1970	1936	1987	1989	1982	1938	1955	1938
MIN	132	189	281	219	473	1220	854	620	235	122	98.4	97.4
(WY)	1931	1966	1931	1981	1980	1941	1966	1930	1999	1995	1957	1957

e Estimated.

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1919 - 2001	
ANNUAL TOTAL	435399		417250			
ANNUAL MEAN	1190		1143		1294	
HIGHEST ANNUAL MEAN					2015	1984
LOWEST ANNUAL MEAN					598	1930
HIGHEST DAILY MEAN	6790	Apr 23	9110	Mar 31	35300	Aug 20 1955
LOWEST DAILY MEAN	102	Sep 2	112	Sep 9	**a**18	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	209	Oct 10	125	Sep 8	52	Aug 31 1995
MAXIMUM PEAK FLOW			9740	Mar 31	**b**40700	Aug 20 1955
MAXIMUM PEAK STAGE			14.90	Mar 31	**c**29.0	Aug 20 1955
INSTANTANEOUS LOW FLOW			29	Oct 17	**d**16	Sep 25 1948
10 PERCENT EXCEEDS	2610		2810		2790	
50 PERCENT EXCEEDS	814		663		912	
90 PERCENT EXCEEDS	276		223		233	

a Also occurred on Dec. 11, 1949.
b From rating curve extended above 11,000 ft^3/s by computation of peak flows over three nearby dams at gage. heights 21.7 ft, 22.5 ft, 24.0 ft, and 29.0 ft.
c From floodmarks.
d Also occurred on Nov. 18, 1950.



01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1990.
WATER TEMPERATURES: October 1955 to September 1956, October 1968 to September 1990.
INSTRUMENTATION.--Temperature recorder Oct. 1, 1968, to Sept. 30, 1974. Water-quality monitor October 1974 to September 1990.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 309 microsiemens July 23, 1975; minimum, 42 microsiemens June 14, 1975, March 23, 1980, July 27-28, 1990.
WATER TEMPERATURES: Maximum, 32.5°C Aug. 2, 1975, May 8, 1977; minimum, 0.0°C on many days during winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT													
13...	0945	109	177	7.5	16.0	11.5	--	--	--	10.0	91	--	--
NOV													
28...	0950	807	147	7.4	10.5	3.0	1.6	--	--	13.2	100	500	100
DEC													
13...	1220	907	153	7.2	-0.5	1.0	.7	--	--	14.1	96	--	--
JAN													
11...	1145	294	140	7.2	2.5	2.0	1.2	--	--	12.7	92	740	1270k
FEB													
23...	1240	1060	160	7.2	--	2.0	.9	--	--	14.1	100	--	--
MAR													
14...	1045	2840	141	7.3	6.0	3.5	2.7	--	--	13.1	102	210	2100
APR													
25...	1040	1130	125	7.1	--	16.5	1.9	--	--	9.2	93	--	--
MAY													
11...	1250	964	152	6.7	25.0	20.5	1.8	7.9	E.3	11.4	127	--	--
23...	1040	203	135	7.4	15.0	17.5	2.7	6.2	.6	8.8	93	58	128
JUN													
06...	1125	1560	116	7.4	21.0	19.5	2.0	--	--	8.9	97	21k	124
15...	1000	1140	104	6.8	--	23.0	2.7	3.4	<.1	8.0	94	--	--
29...	1030	987	128	6.3	23.0	25.0	3.0	5.1	.6	7.6	92	--	--
JUL													
13...	1015	941	147	7.1	--	23.0	1.4	10.7	1.8	8.3	97	--	--
18...	0950	146	129	7.6	22.5	22.5	2.1	--	--	8.4	98	79	27
27...	1040	970	164	6.9	--	25.0	4.5	10.9	3.8	8.8	106	--	--
AUG													
10...	0945	139	182	7.1	--	27.0	1.6	3.3	.6	7.2	91	--	--
23...	0920	248	120	7.3	--	24.5	3.1	4.0	.6	7.5	89	--	--
24...	1030	214	130	7.5	23.0	25.0	1.7	--	--	7.6	93	120	620
SEP													
14...	1000	132	183	8.1	--	21.0	6.7	10.4	E.3	7.2	80	--	--
26...	0955	186	164	7.8	15.5	20.5	3.7	9.1	E.3	8.1	90	80	84

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

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

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT													
13...	--	--	--	--	--	.0	33	27	--	--	--	--	--
NOV													
28...	29	8.58	1.87	12.7	2.72	.0	24	20	8.7	18.1	<.2	5.8	88
DEC													
13...	--	--	--	--	--	.0	24	20	--	--	--	--	--
JAN													
11...	25	7.16	1.75	11.5	2.10	.0	20	16	9.5	18.3	<.2	8.2	81
FEB													
23...	--	--	--	--	--	.0	16	13	--	--	--	--	--
MAR													
14...	22	6.58	1.45	15.1	1.87	.0	12	10	7.6	24.0	E.1	6.3	82
APR													
25...	--	--	--	--	--	.0	12	10	--	--	--	--	--
MAY													
11...	--	--	--	--	--	.0	18	15	--	--	--	--	--
23...	30	8.78	1.87	13.3	2.50	.0	22	18	9.0	22.8	E.1	2.7	79
JUN													
06...	23	6.71	1.46	11.5	1.72	.0	12	10	7.2	19.7	<.2	4.4	81
15...	--	--	--	--	--	.0	10	8	--	--	--	--	--
29...	--	--	--	--	--	.0	17	14	--	--	--	--	--
JUL													
13...	--	--	--	--	--	.0	6	5	--	--	--	--	--
18...	28	8.35	1.71	12.2	2.17	.0	20	16	6.8	19.5	E.1	4.5	93
27...	--	--	--	--	--	.0	24	20	--	--	--	--	--
AUG													
10...	--	--	--	--	--	.0	29	24	--	--	--	--	--
23...	--	--	--	--	--	.0	18	15	--	--	--	--	--
24...	29	8.74	1.81	11.8	2.55	.0	20	16	8.0	21.1	<.2	3.9	89
SEP													
14...	--	--	--	--	--	.0	29	24	--	--	--	--	--
26...	35	10.5	2.07	14.8	3.50	.0	29	25	9.2	23.9	<.2	3.2	90

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)
OCT													
13...	--	.017	.573	.120	.45	.57	.37	1.1	.183	.137	.123	--	--
NOV													
28...	86	.012	.514	.075	.30	.38	.38	.89	.062	.041	.032	24	E.04
DEC													
13...	--	.017	.617	.084	.38	.47	.40	1.1	.073	.052	.038	--	--
JAN													
11...	84	.015	.558	.390	.58	.97	.71	1.5	.108	.070	.053	60	.07
FEB													
23...	--	.013	.590	.090	.27	.36	.32	.95	.040	.027	.018	--	--
MAR													
14...	80	.013	.516	.082	.34	.42	.32	.94	.053	.028	E.016	41	.05
APR													
25...	--	.009	.395	E.033	--	.38	.23	.78	.049	.021	E.009	--	--
MAY													
11...	--	.020	.360	<.041	--	.72	.30	1.1	.050	.015	<.018	--	--
23...	70	.012	.423	.061	.41	.47	.34	.89	.052	.021	<.020	15	.15
JUN													
06...	92	.007	.270	.054	.36	.42	.34	.69	.059	.027	<.020	40	.12
15...	--	.006	.261	.065	.35	.42	.39	.68	.060	.030	<.020	--	--
29...	--	.016	.368	E.035	--	.53	.40	.89	.066	.027	E.014	--	--
JUL													
13...	--	.012	.354	<.040	--	.52	.32	.88	.070	.031	<.020	--	--
18...	92	.009	.254	E.035	--	.43	.34	.69	.045	.028	<.020	30	.15
27...	--	.007	.053	.102	.63	.73	.45	.79	.079	.047	.030	--	--
AUG													
10...	--	.008	.541	.054	.51	.57	.38	1.1	.115	.097	.079	--	--
23...	--	E.005	.265	.045	.48	.52	.39	.79	.093	.066	.045	--	--
24...	98	.006	.212	E.036	--	.46	.38	.67	.050	.030	<.020	22	.14
SEP													
14...	--	.010	.103	.172	.70	.88	.50	.98	.106	.061	.050	--	--
26...	90	E.004	.148	.044	.51	.55	.35	.70	.045	.017	<.020	34	.11

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

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

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
28...	9.7	<.06	E.02	E.4	.09	1.6	200	.30	17.2	.4	.53	<1.0	3
DEC													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
11...	9.9	<.06	<.04	<.8	.10	1.3	210	.29	32.5	E.1	.45	<1.0	5
FEB													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
14...	10.0	<.06	E.02	<.8	.12	1.0	120	.22	43.4	<.2	.41	<1.0	4
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	11.1	<.06	<.04	.8	.07	1.2	190	.33	14.3	.3	.41	<1.0	2
JUN													
06...	10	<.06	<.04	<.8	.10	1.3	210	.42	28.2	.2	.48	<1.0	2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	10.6	E.04	<.04	E.6	.07	1.7	340	.47	12.2	.3	.24	<1.0	1
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	10.5	<.06	<.04	<.8	.07	1.1	240	.23	16.4	.4	.21	<1.0	1
SEP													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	9.3	<.06	<.04	<.8	.10	1.4	140	.30	20.4	.5	.39	<1.0	3

DATE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT		
13...	--	4.8
NOV		
28...	.04	5.6
DEC		
13...	--	5.7
JAN		
11...	.04	8.6
FEB		
23...	--	--
MAR		
14...	.02	--
APR		
25...	--	--
MAY		
11...	--	--
23...	.03	5.1
JUN		
06...	.04	7.7
15...	--	--
29...	--	--
JUL		
13...	--	--
18...	.04	6.6
27...	--	--
AUG		
10...	--	5.9
23...	--	7.3
24...	<.02	6.7
SEP		
14...	--	7.1
26...	.02	6.1

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01127500 YANTIC RIVER AT YANTIC, CT

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, Hydrologic Unit 01100003, on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mi downstream from Susquetonscut Brook, and 4.8 mi upstream from mouth.
DRAINAGE AREA.--89.3 mi^2.
PERIOD OF RECORD.--Discharge: October 1930 to current year. Water-quality records: Water years 1958, 1968-80. Daily suspended-sediment discharge: Water years 1975-80.
REVISED RECORDS.--WSP 1051: 1931-36. WSP 1301: 1934 (M). WDR CT-78-1: 1970-77 (P). WDR CT-82-1: 1979-80 (P). WDR CT-83-1: Drainage area, 1979 (P), 1982 (P).
GAGE.--Water-stage recorder. Datum of gage is 94.46 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Low flow regulated by mills upstream. City of Norwich automated flood warning system is on site.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2315	1,440	6.78	Mar 30	1900	3,030	9.07
Mar 22	1030	4,000	9.98	Jun 17	1830	*5,580	*11.06

Minimum discharge, 6.0 ft^3/s, Sep. 10, 13, 14, gage height, 0.82 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	36	40	144	e77	275	205	797	85	81	56	13	12
2	33	40	114	e75	231	175	554	82	360	55	12	10
3	49	39	87	e74	187	154	437	77	461	49	11	9.2
4	49	38	73	e73	144	143	369	71	270	46	13	8.7
5	48	38	67	e72	121	146	321	64	180	78	17	8.0
6	50	37	62	e70	129	159	308	57	130	149	14	7.2
7	55	37	56	e69	140	179	368	53	100	83	11	6.9
8	52	37	49	e67	123	161	402	52	80	69	11	6.5
9	48	36	e44	e68	117	156	417	54	64	66	9.3	6.4
10	46	115	e48	e67	256	187	405	51	55	54	9.6	6.2
11	44	161	e55	e66	282	207	332	45	60	48	11	7.2
12	42	111	74	e65	225	219	324	40	317	42	15	6.4
13	41	83	66	e64	168	547	328	37	214	38	23	6.1
14	39	91	100	e70	146	624	276	34	138	34	24	8.2
15	39	190	133	e75	191	513	237	32	104	31	18	7.8
16	38	133	110	108	210	517	211	30	83	28	14	8.6
17	39	102	732	108	274	581	193	30	2190	29	13	7.8
18	40	83	1060	105	210	610	191	30	1830	31	18	7.0
19	50	72	484	122	169	524	172	31	769	28	15	6.4
20	50	66	331	207	153	441	158	29	420	24	74	6.4
21	48	61	244	165	175	438	151	27	280	22	90	31
22	45	56	200	e140	151	2880	160	66	217	20	38	26
23	43	51	162	e120	137	1510	151	170	191	18	25	16
24	41	45	145	e110	123	778	141	363	171	17	23	12
25	40	40	130	e90	156	548	124	424	147	15	20	48
26	40	116	e118	e80	467	440	116	298	118	35	17	68
27	40	254	e110	e70	375	395	109	327	96	35	16	35
28	38	175	e100	78	274	353	103	244	79	23	18	25
29	37	124	e90	108	---	308	96	185	67	19	16	21
30	37	129	e85	128	---	1530	89	140	60	16	14	20
31	40	---	e80	291	---	1640	---	105	---	14	13	---
TOTAL	1337	2600	5353	3082	5609	17268	8040	3333	9332	1272	635.9	455.0
MEAN	43.1	86.7	173	99.4	200	557	268	108	311	41.0	20.5	15.2
MAX	55	254	1060	291	467	2880	797	424	2190	149	90	68
MIN	33	36	44	64	117	143	89	27	55	14	9.3	6.1
CFSM	.48	.97	1.93	1.11	2.24	6.24	3.00	1.20	3.48	.46	.23	.17
IN.	.56	1.08	2.23	1.28	2.34	7.19	3.35	1.39	3.89	.53	.26	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

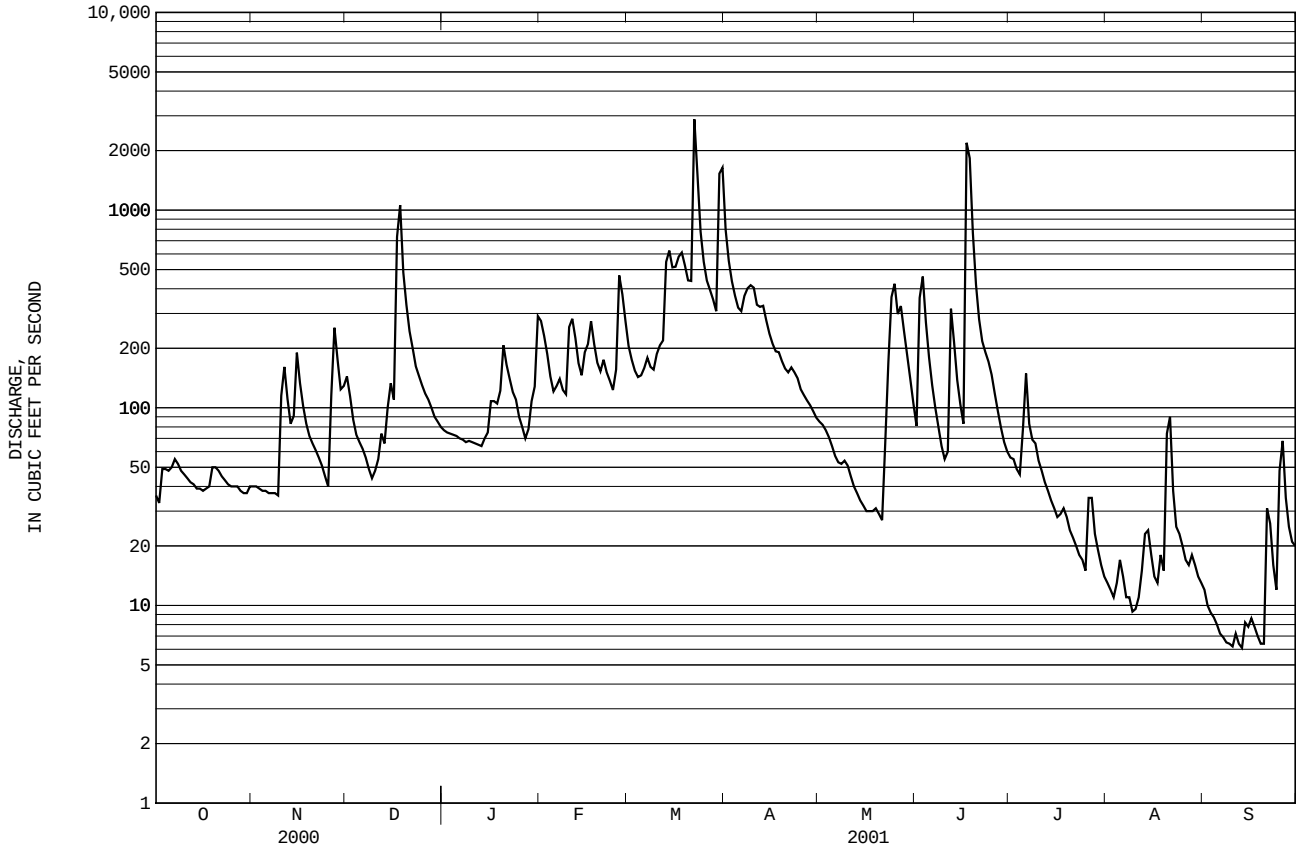
MEAN	81.4	147	203	234	240	346	297	179	115	52.2	44.9	54.1
MAX	676	498	660	1130	531	782	886	409	892	553	245	718
(WY)	1956	1956	1973	1979	1970	1936	1983	1989	1982	1938	1955	1938
MIN	8.15	19.8	28.5	38.7	62.4	137	80.7	56.3	16.3	7.05	5.85	5.83
(WY)	1942	1966	1944	1966	1980	1981	1985	1986	1964	1991	1957	1957

e Estimated.

01127500 YANTIC RIVER AT YANTIC, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	52714		58316.9			
ANNUAL MEAN	144		160		166	
HIGHEST ANNUAL MEAN					281	1938
LOWEST ANNUAL MEAN					71.7	1966
HIGHEST DAILY MEAN	1610	Apr 22	2880	Mar 22	8690	Jun 6 1982
LOWEST DAILY MEAN	12	Jul 25	6.1	Sep 13	2.3	Aug 30 1963
ANNUAL SEVEN-DAY MINIMUM	16	Jul 20	6.5	Sep 7	3.0	Aug 30 1963
MAXIMUM PEAK FLOW			5580	Jun 17	**a**13500	Sep 21 1938
MAXIMUM PEAK STAGE			11.06	Jun 17	**b**14.66	Sep 21 1938
INSTANTANEOUS LOW FLOW			**c**6.0	Sep 10	2.2	Aug 30 1963
ANNUAL RUNOFF (CFSM)	1.61		1.79		1.86	
ANNUAL RUNOFF (INCHES)	21.96		24.29		25.21	
10 PERCENT EXCEEDS	307		365		368	
50 PERCENT EXCEEDS	90		75		95	
90 PERCENT EXCEEDS	28		15		13	

a From computation of flow over two dams 2.4 mi. upstream and 3.0 mi. downstream, respectively.
b A slightly higher gage height of 14.88 ft. occurred on June 6, 1982 due to reconstruction of the river bank following the flood of 1938.
c Also occurred on Sep. 13 and 14.



RESERVOIRS IN THAMES RIVER BASIN

01119259 STAFFORDVILLE RESERVOIR.--Lat 41°59’46”, long 72°15’37”, Tolland County, Conn. , Hydrologic Unit 01100002 on Furnace Brook in Willimantic River basin, at Staffordville. Drainage area, 8.34 mi^2. Usable capacity, 75,500,000 ft^3, based on reservoir survey by Connecticut Board of Fisheries and Game. Records available, September 1960 to 1992. Dam was built after 1886 flood for storage of water for power and industrial supply.

01121500 MANSFIELD HOLLOW LAKE.--Lat 41°45’22”, long 72°10’57”, Tolland County, Conn., Hydrologic Unit 01100002, on Natchaug River at Mansfield Hollow, 3.5 mi northeast of Willimantic. Drainage area, 160 mi^2. Usable capacity, 2,260,000,000 ft^3, including 90,000,000 ft^3 storage in recreation pool. Records available, March 1952 to current year. Completed in 1952 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01123350 EAST BRIMFIELD LAKE.--Lat 42°06’32”, long 72°07’35”, Worcester County, Mass., Hydrologic Unit 01100001, on Quinebaug River, 0.7 mi southeast of Fiskdale, 1.2 mi east of East Brimfield. Drainage area, 67.5 mi^2. Usable capacity, 1,400,000,000 ft^3, including 83,000,000 ft^3 storage in recreation and conservation. Records available, July 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for recreation, conservation, and flood control. Records furnished by Corps of Engineers.

01123550 WESTVILLE LAKE.--Lat 42°04’55”, long 72°03’28”, Worcester County, Mass., Hydrologic Unit 01100001, on Quinebaug River, 1.3 mi west of Southbridge. Drainage area, 99.1 mi^2. Usable capacity, 484,000,000 ft^3, including 4,400,000 ft^3 storage in recreation pool. Records available, February 1962 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124150 WEST THOMPSON LAKE.--Lat 41°56’40”, long 71°54’00”, Windham County, Conn. , Hydrologic Unit 01100001, on Quinebaug River above mouth of French River, at West Thompson. Drainage area, 172 mi^2. Usable capacity, 1,170,000,000 ft^3, including 52,000,000 ft^3 storage in recreation pool. Records available, July 1965 to current year. Completed in 1965 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124300 HODGES VILLAGE RESERVOIR.--Lat 42°07’09”, long 71°52’51”, Worcester County, Mass. , Hydrologic Unit 01100001, on French River at Hodges Village. Drainage area, 31.0 mi^2. Usable capacity, 577,000,000 ft^3. Records available, February 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for flood control. Records furnished by Corps of Engineers.

01124400 BUFFUMVILLE LAKE.--Lat 42°06’58”, long 71°54’29”, Worcester County, Mass. , Hydrologic Unit 01100001, on Little River in French River basin, at Buffumville, 2.2 mi west of Oxford. Drainage area, 26.5 mi^2. Usable capacity, 555,000,000 ft^3, including 61,000,000 ft^3 storage in recreation pool. Records available, September 1958 to current year. Completed in 1958 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

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01172003 CONNECTICUT RIVER BELOW HOLYOKE DAM AT HOLYOKE, MA

LOCATION.--Lat 42°12'36", long 72°35'44", Hampden County, Hydrologic Unit 01080201, on right bank, 2,200 ft downstream from dam of Holyoke Water Power Co. in Holyoke, Mass. and at mile 86.
DRAINAGE AREA.--8,309 mi^2 .
PERIOD OF RECORD.--December 1983 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 43.276 ft above sea level. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records fair. Flow regulated by powerplants, by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, and other reservoirs, combined usable capacity, about 47 billion ft^3. Records do not include water diverted around gage by Holyoke Water Power Company for industrial use.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1854, 244,000 ft^3/s, Mar. 20, 1936, gage height, 35.0 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 89,100 ft^3/s, Apr. 24, gage height, 18.12 ft; minimum discharge, 387 ft^3/s, Aug. 20, gage height, 1.97 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	1100	2110	6580	7770	6460	5640	11000	42400	10000	4220	1550	2790
2	1300	3850	8760	7660	6350	5180	9330	40200	10200	7300	1020	2550
3	2360	2100	7710	8430	6090	4600	8280	39100	26900	5920	762	1470
4	3780	877	7810	10800	7160	3030	6840	35600	41000	5960	774	1350
5	2820	1040	6780	10200	5550	3550	7860	34200	37000	5800	957	2020
6	3980	3320	6530	9380	4160	6310	10700	26300	30600	8110	1640	1840
7	3700	4280	6630	7100	7310	3620	14500	20600	22100	6520	3740	2530
8	5550	4820	7110	7460	6430	4990	19000	18600	16900	3240	2790	1520
9	4210	5510	5600	7700	7300	6450	25000	13400	12000	5560	2570	1230
10	3920	7450	4940	7080	8190	4920	38400	10800	9370	7400	4210	2190
11	4820	10000	4170	9210	6050	2840	46900	10200	8480	7120	2490	2110
12	4830	9130	3350	8700	5350	5430	49600	11700	11900	4830	465	1260
13	4170	9670	5780	7160	6390	6280	55200	10400	17000	3630	969	1680
14	4260	9150	6970	7830	7680	6800	68500	8780	15600	3010	3120	2420
15	1290	10200	5960	8040	7900	5280	75100	10500	11400	2920	1200	1080
16	2260	10800	4570	7480	7890	3320	73200	9690	7770	4440	1570	1080
17	4340	11200	8770	5430	8340	6280	66500	7620	8000	7120	1730	1190
18	3400	12000	52200	6550	6400	4720	61500	4950	9430	6740	2170	2470
19	8400	11200	67900	6440	5230	5890	54400	5610	9590	5650	663	1860
20	8580	9310	54700	5720	5000	6050	50100	6890	8120	5630	1270	1390
21	6760	8930	40700	3520	6000	6710	47300	6600	8180	3490	1580	3250
22	7710	7790	33000	4260	6810	13200	54000	8150	6700	3480	1070	3530
23	6930	6170	26100	6160	7260	16500	76800	8500	4010	3900	520	3130
24	7410	4720	16900	6300	6310	17300	86900	9480	4520	5600	842	2310
25	6080	4630	14000	6030	6140	17400	86300	8550	4660	5840	1770	3460
26	8450	4270	10800	5950	5650	15300	82800	7340	5840	4960	517	6370
27	10100	6090	8250	7040	4930	13700	80500	9510	3830	3110	1470	4680
28	5220	8960	9470	6300	5210	11600	78400	9900	2420	1180	2130	4510
29	4550	9910	9810	4120	---	11200	70500	11000	2130	1290	1040	4630
30	3500	8450	7260	5470	---	12900	57700	8840	2270	900	1000	2720
31	5670	---	8040	6180	---	13500	---	10700	---	1350	1290	---
TOTAL	151450	207937	467150	217470	179540	250490	1473110	466110	367920	146220	48889	74620
MEAN	4885	6931	15070	7015	6412	8080	49100	15040	12260	4717	1577	2487
MAX	10100	12000	67900	10800	8340	17400	86900	42400	41000	8110	4210	6370
MIN	1100	877	3350	3520	4160	2840	6840	4950	2130	900	465	1080

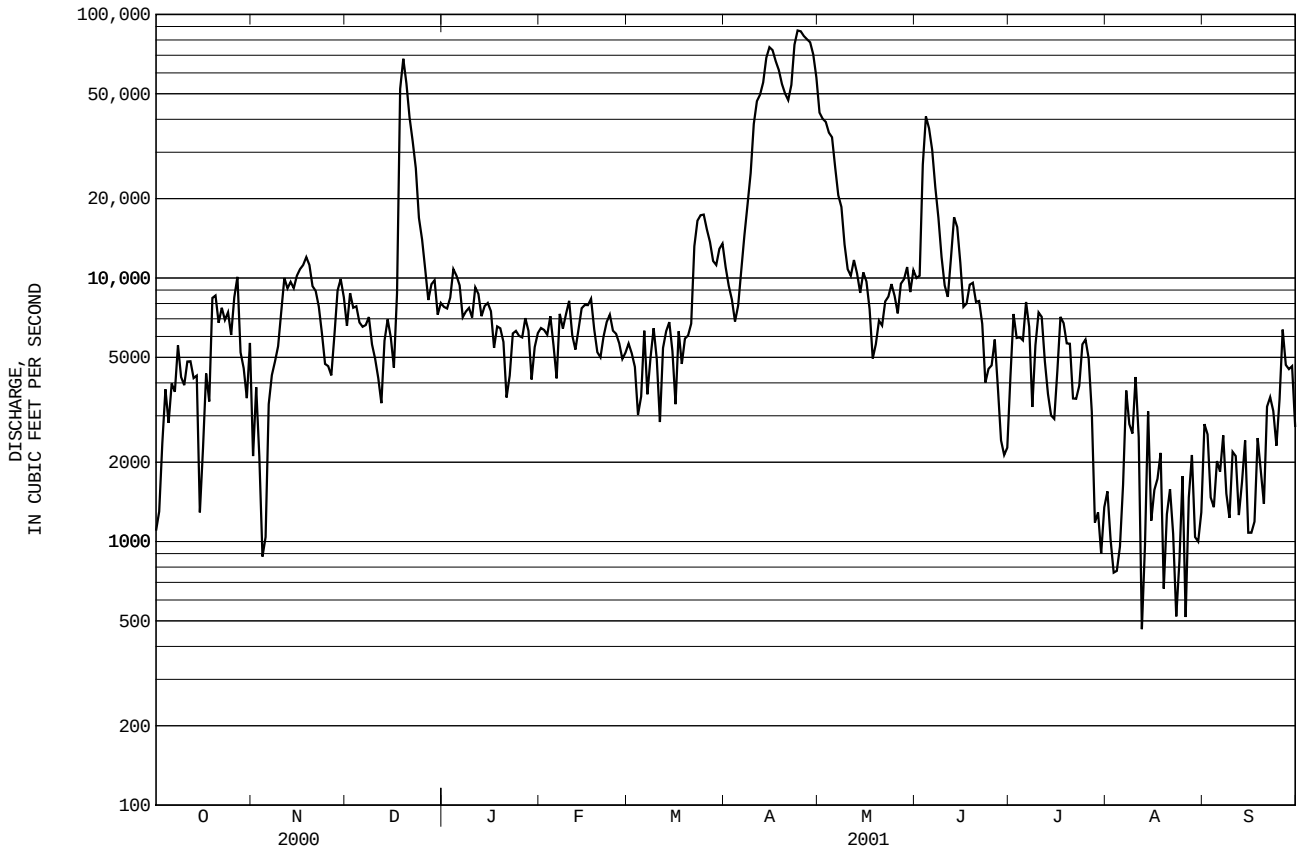
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	9047	11720	11490	10430	9779	18150	34680	17500	10590	6341	5477	4886
MAX	16340	25800	27410	23660	21890	34660	58300	40670	31100	16930	14780	13840
(WY)	1991	1996	1997	1996	1984	1990	1993	1996	1984	1996	1990	1999
MIN	1512	3540	5787	4760	4250	8080	10270	7366	4056	2578	1577	1378
(WY)	1985	1985	1985	1989	1987	2001	1995	1987	1999	1991	2001	1984

01172003 CONNECTICUT RIVER BELOW HOLYOKE DAM AT HOLYOKE, MA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	5236578		4050906			
ANNUAL MEAN	14310		11100		12320	
HIGHEST ANNUAL MEAN					19030	1996
LOWEST ANNUAL MEAN					6580	1985
HIGHEST DAILY MEAN	68200	Apr 6	86900	Apr 24	145000	Jun 1 1984
LOWEST DAILY MEAN	877	Nov 4	465	Aug 12	465	Aug 12 2001
ANNUAL SEVEN-DAY MINIMUM	1780	Sep 6	1040	Jul 30	707	Sep 18 1984
MAXIMUM PEAK FLOW			89100	Apr 24	153000	Jun 1 1984
MAXIMUM PEAK STAGE			18.12	Apr 24	25.62	Jun 1 1984
INSTANTANEOUS LOW FLOW			387	Aug 20	**a**200	Aug 15 1995
10 PERCENT EXCEEDS	33500		26200		27400	
50 PERCENT EXCEEDS	9620		6370		8120	
90 PERCENT EXCEEDS	3540		1560		2960	

a Occurred when Hadley 1 generator shut down. Discharge was derived from extending the rating below 2.5 ft.



01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from Enfield Dam, 1.0 mi downstream from Thompsonville, 3.0 mi downstream from Massachusetts-Connecticut State line, and at mile 63.6.
DRAINAGE AREA.--9,660 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to current year.
REVISED RECORDS.--WSP 741: 1932. WDR CT-77-1: 1976. WDR CT-83-1: Drainage area, 1982.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 38.48 ft above sea level. November 28, 1986 to August 2, 1990, recorder at site 200 ft downstream at datum 0.28 ft lower. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by power plants, by diversion from Chicopee River Basin and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Quabbin Reservoir, and other reservoirs, combined usable capacity, about 107 billion ft^3.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 106,000 ft^3/s, Apr. 24, gage height, 16.14 ft; minimum discharge, 1,770 ft^3/s, Aug. 31, gage height, 7.83 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	5930	8280	12500	13800	10400	9770	20200	51200	13000	6730	4010	4150
2	5870	8790	14100	12600	10000	9510	17600	47000	13700	9110	3500	4000
3	6070	7760	13200	13100	9990	8880	16200	46000	32600	9030	3360	2970
4	7350	6540	12200	15200	10300	7270	14100	41600	49900	8710	4610	2980
5	7890	5510	12100	14800	9890	7540	14800	40700	46300	8000	4520	3210
6	8230	6690	10500	13800	8450	10200	17900	34100	38200	10000	3970	3180
7	8760	8910	9240	12400	10200	7910	21600	25900	28700	9630	5410	4060
8	10400	8900	9580	11500	10600	9000	29400	24400	21800	6210	6590	3670
9	9680	9770	9630	12300	11200	10200	37200	20200	16700	6840	4870	2550
10	8380	12500	7800	10400	13200	9930	50800	16400	13000	10400	6290	3620
11	8890	15900	7770	12000	12200	7490	62100	14500	11500	8680	6040	4190
12	10200	15200	6350	12500	9680	8800	66600	15000	14500	8730	3400	2970
13	9000	15100	8670	11200	9720	10600	73600	14000	20800	6170	2920	2670
14	9940	15300	10300	11200	11700	11400	88400	11300	19600	5660	4750	4940
15	7090	16100	9910	11200	13300	10300	95800	13400	15300	5950	3340	3500
16	5760	17100	9000	11400	13000	8550	92600	12600	11200	5800	2810	2850
17	9060	17000	11900	9230	13500	10600	84900	11600	12100	8820	3160	2810
18	8610	17400	57600	9550	12200	10500	77800	8940	15100	8930	4110	3880
19	12800	17200	86400	10300	10600	10700	68800	9130	14300	7940	2750	3620
20	14300	14900	72100	9430	9640	11700	61700	10200	12900	7780	2510	3230
21	12200	14500	52300	7980	9310	13200	58000	9710	12000	6220	4020	5340
22	10600	13600	41200	7330	10100	22300	63200	11200	11300	6120	3510	6680
23	9190	11700	31700	9040	10800	27900	88600	12000	8570	5660	2510	6190
24	9770	9000	23200	9730	10400	26700	103000	14900	8900	7940	2500	4040
25	8730	8310	18000	9410	11000	26700	103000	15000	8620	8070	3800	5440
26	9730	8530	13400	9220	10300	23500	100000	12300	9310	8190	2540	9220
27	12600	10400	14700	9910	9370	21700	95300	15500	8230	6250	2140	8880
28	8590	14600	18100	9970	9570	18500	92400	14600	6540	4090	3900	6450
29	6920	15600	18500	7310	---	18000	84000	15600	5510	3810	2440	6600
30	6440	14900	13600	9070	---	21600	69600	14300	5000	3580	2220	5330
31	9820	---	13200	9870	---	24200	---	14500	---	3770	2110	---
TOTAL	278800	365990	648750	336750	300620	435150	1869200	617780	505180	222820	114610	133220
MEAN	8994	12200	20930	10860	10740	14040	62310	19930	16840	7188	3697	4441
MAX	14300	17400	86400	15200	13500	27900	103000	51200	49900	10400	6590	9220
MIN	5760	5510	6350	7310	8450	7270	14100	8940	5000	3580	2110	2550

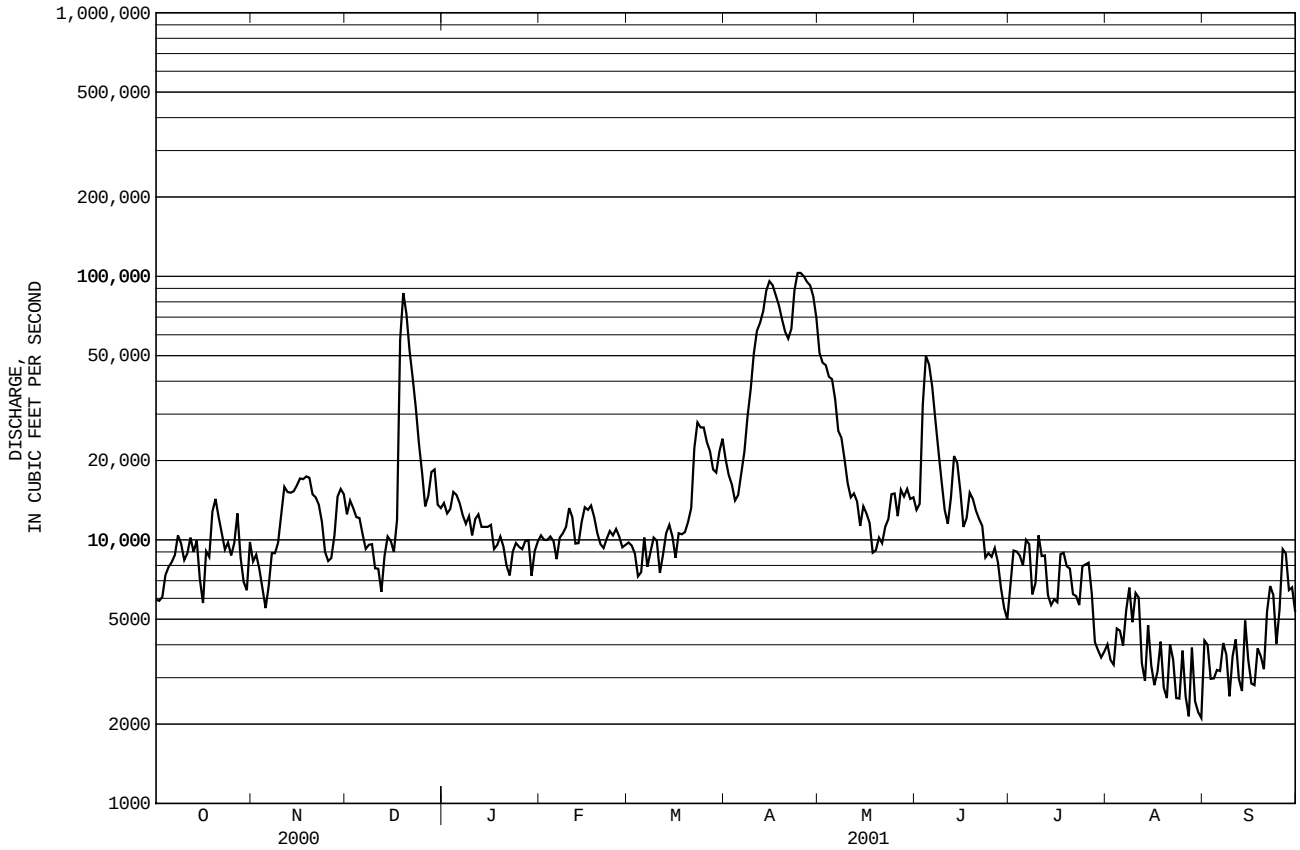
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

MEAN	10170	14860	15680	14250	13680	25130	45410	27070	13780	7921	7015	7186
MAX	31730	33310	39000	30180	39100	89210	76050	51520	42600	28810	22530	42700
(WY)	1978	1996	1997	1978	1981	1936	1960	1972	1984	1973	1955	1938
MIN	2690	5015	5548	4311	4386	6965	14920	9611	4900	3202	2911	2719
(WY)	1964	1965	1948	1931	1940	1940	1995	1941	1964	1962	1965	1964

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001	
ANNUAL TOTAL	7162140		5828870			
ANNUAL MEAN	19570		15970		16820	
HIGHEST ANNUAL MEAN					24920	1996
LOWEST ANNUAL MEAN					7847	1965
HIGHEST DAILY MEAN	86400	Dec 19	103000	Apr 24	278000	Mar 20 1936
LOWEST DAILY MEAN	4460	Sep 12	2110	Aug 31	968	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	6220	Sep 6	2740	Aug 25	1870	Aug 15 1964
MAXIMUM PEAK FLOW			106000	Apr 24	282000	Mar 20 1936
MAXIMUM PEAK STAGE			16.14	Apr 24	**a**16.60	Mar 20 1936
INSTANTANEOUS LOW FLOW			1770	Aug 31	968	Oct 20 1963
10 PERCENT EXCEEDS	42100		33200		37300	
50 PERCENT EXCEEDS	14000		10100		11200	
90 PERCENT EXCEEDS	7760		3890		4080	

a From floodmarks.



01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1966 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1999.
WATER TEMPERATURES: October 1955 to September 1956, October 1973 to September 1999.
INSTRUMENTATION.--Water-quality monitor since October 1973.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 443 microsiemens Feb. 15, 1992; minimum, 46 microsiemens Apr. 2, 1977.
WATER TEMPERATURES: Maximum, 36.5°C Aug. 30, 1977; minimum, 0.0°C on many days during winter periods.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
05...	0945	8890	148	7.5	13.5	16.0	1.0	9.1	92	120	27	40	13.0
NOV													
02...	1150	9230	142	7.7	15.0	9.0	.9	10.9	94	--	--	42	13.5
DEC													
06...	1345	10900	130	7.6	.0	1.5	1.6	13.8	95	180	39	38	12.0
JAN													
30...	0930	9160	146	8.0	.5	1.5	1.4	13.5	96	--	--	38	12.2
FEB													
20...	1050	10000	150	7.7	14.0	1.0	2.2	13.9	97	1100	116	36	11.1
MAR													
02...	1115	10000	164	7.6	3.5	2.0	1.5	14.7	108	--	--	39	12.1
APR													
20...	1010	62500	90	7.6	16.5	6.0	11	13.2	105	11k	14k	24	7.94
MAY													
24...	1010	15200	128	7.5	14.0	15.0	--	9.3	92	1000	980	36	11.4
JUN													
22...	0945	11800	106	7.4	23.5	22.5	2.7	7.5	87	73	19k	29	8.96
JUL													
30...	1200	3590	168	7.9	25.5	24.5	.9	8.4	101	9k	1k	47	15.1
AUG													
10...	1015	7060	148	7.3	36.0	28.5	.5	5.8	76	32	6k	37	11.6
SEP													
27...	1000	10700	146	7.6	17.0	19.5	1.3	8.0	89	100	24	40	12.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
05...	1.90	10.9	1.65	.0	38	31	9.2	15.1	<.2	5.0	84	89	.010
NOV													
02...	1.93	10.5	1.70	.0	35	29	8.9	14.9	E.1	5.5	80	--	.010
DEC													
06...	1.89	9.5	1.40	.0	38	31	8.3	12.6	<.2	6.2	76	74	.011
JAN													
30...	1.91	11.0	1.77	.0	35	29	9.4	15.6	<.2	6.7	83	--	.013
FEB													
20...	1.93	12.8	1.27	.0	31	25	8.2	20.6	<.2	6.4	94	93	.009
MAR													
02...	2.08	14.8	1.50	.0	29	24	9.3	23.3	<.2	6.5	94	--	.010
APR													
20...	1.12	5.8	.91	.0	21	18	6.2	9.7	<.2	5.0	52	62	<.006
MAY													
24...	1.79	9.7	1.53	.0	29	24	7.2	14.3	<.2	5.4	219	84	.010
JUN													
22...	1.49	8.6	1.14	.0	25	20	7.0	13.6	<.2	5.5	81	78	.007
JUL													
30...	2.16	13.0	1.79	.0	41	34	8.2	19.9	E.1	4.3	102	108	.009
AUG													
10...	1.86	11.0	1.62	.0	34	28	9.2	18.7	E.1	3.8	84	74	.015
SEP													
27...	1.99	10.9	1.72	.0	40	33	9.0	16.6	<.2	3.1	84	82	.007

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

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

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
05...	.449	.067	.26	.33	.29	.77	.053	.036	.028	18	.06	13.5	<.06
NOV													
02...	.362	.058	.59	.65	.28	1.0	.069	.052	.038	--	--	--	--
DEC													
06...	.449	.085	.19	.28	.24	.73	.049	.043	.039	19	.09	13.2	<.06
JAN													
30...	.491	.123	.62	.74	.31	1.2	.046	.037	.031	--	--	--	--
FEB													
20...	.488	.079	.22	.30	.19	.78	.032	.017	E.014	21	.05	15.0	<.06
MAR													
02...	.524	.091	.17	.26	.23	.78	.037	.024	.018	--	--	--	--
APR													
20...	.321	<.041	--	.25	.11	.57	.053	.008	<.018	25	E.04	8.3	<.06
MAY													
24...	.382	.092	.32	.41	.29	.80	.065	.030	.018	16	.08	14.7	<.06
JUN													
22...	.315	.091	.23	.32	.20	.63	.042	.028	.027	19	.05	12.5	<.06
JUL													
30...	.311	<.040	--	.24	.21	.55	.048	.041	E.017	18	.08	16.0	<.06
AUG													
10...	.323	.074	.24	.32	.26	.64	.069	.060	.050	11	.07	15.8	<.06
SEP													
27...	.252	.070	.28	.35	.30	.60	.054	.044	.027	17	.10	14.4	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
05...	<.04	<.8	.09	2.4	130	.11	18.8	.3	1.14	<1.0	2	.07	3.8
NOV													
02...	--	--	--	--	140	--	21.3	--	--	--	--	--	--
DEC													
06...	.07	<.8	.07	1.9	100	.13	20.9	.3	1.10	<1.0	4	.08	4.2
JAN													
30...	--	--	--	--	120	--	37.3	--	--	--	--	--	--
FEB													
20...	<.04	<.8	.09	2.0	100	.11	33.3	E.2	.76	<1.0	3	.09	2.8
MAR													
02...	--	--	--	--	100	--	36.2	--	--	--	--	--	--
APR													
20...	<.04	<.8	.06	3.2	40	.09	9.2	E.1	.37	<1.0	2	.07	4.0
MAY													
24...	<.04	1.6	.08	2.4	70	.13	27.2	.2	1.14	<1.0	2	.07	4.2
JUN													
22...	<.04	<.8	.06	2.4	100	<.08	16.9	.2	.48	<1.0	2	.05	5.3
JUL													
30...	E.03	<.8	.05	2.5	60	E.05	13.3	.5	.24	<1.0	3	.07	4.5
AUG													
10...	<.04	<.8	.04	1.6	40	E.06	17.5	.5	.28	<1.0	2	.04	3.5
SEP													
27...	<.04	<.8	.06	2.6	50	E.07	26.1	.5	.48	<1.0	1	.06	3.9

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

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

DATE	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	PROMETON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DISSOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)
OCT													
05...	3	71	62	<.010	<.002	<.011	<.015	E.004	<.018	<.003	<.005	<.003	<.005
NOV													
02...	3	56	75	<.010	<.002	<.011	<.015	E.005	<.018	<.003	<.005	<.003	<.005
DEC													
06...	8	193	60	<.010	<.002	<.011	E.002	<.006	<.018	<.003	<.005	<.003	<.005
JAN													
30...	5	97	67	<.010	<.002	<.011	<.015	E.005	<.018	<.003	<.005	<.007	<.005
FEB													
20...	7	155	70	<.010	<.002	<.011	<.015	E.003	<.018	<.003	<.005	<.003	<.005
MAR													
02...	2	42	57	<.010	<.002	<.011	E.003	E.004	<.018	<.003	<.005	<.003	<.005
APR													
20...	59	10100	65	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005
MAY													
24...	14	534	80	<.010	<.002	<.011	<.015	E.004	<.018	<.003	<.005	<.003	<.005
JUN													
22...	10	349	67	<.010	<.002	E.004	<.015	E.004	<.018	<.003	<.005	<.003	<.005
JUL													
30...	11	113	68	<.010	<.002	<.011	<.015	E.003	<.018	<.003	<.005	<.003	<.005
AUG													
10...	11	238	62	<.010	<.002	<.011	<.015	E.003	<.018	<.003	<.005	<.003	<.005
SEP													
27...	5	145	85	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005

DATE	LINDANE DISSOLVED (UG/L) (39341)	DIELDRIN DISSOLVED (UG/L) (39381)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	MALATHION, DISSOLVED (UG/L) (39532)	PARATHION, DISSOLVED (UG/L) (39542)	DIAZINON, DISSOLVED (UG/L) (39572)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT													
05...	<.004	<.005	E.005	<.027	<.007	<.005	E.004	<.002	<.004	<.006	<.002	<.009	<.009
NOV													
02...	<.004	<.005	E.002	<.027	<.007	<.005	E.002	<.002	<.004	<.006	<.002	<.009	<.009
DEC													
06...	<.004	<.005	E.003	<.027	<.007	<.005	E.003	<.002	<.004	<.006	<.002	<.009	<.009
JAN													
30...	<.004	<.005	E.002	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
FEB													
20...	<.004	<.005	E.001	<.027	<.007	<.005	E.002	<.002	<.004	<.006	<.002	<.009	<.009
MAR													
02...	<.004	<.005	E.004	<.027	<.007	<.005	E.003	<.002	<.004	<.006	<.002	<.009	<.009
APR													
20...	<.004	<.005	E.002	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
MAY													
24...	<.004	<.005	.022	<.027	<.007	.019	.022	<.002	<.004	<.006	<.002	<.009	<.009
JUN													
22...	<.004	<.005	.016	<.027	<.007	E.004	.018	<.002	<.004	<.006	<.002	<.009	<.009
JUL													
30...	<.004	<.005	E.001	<.027	<.007	<.005	E.004	<.002	<.004	<.006	<.002	<.009	<.009
AUG													
10...	<.004	<.005	E.004	<.027	<.007	E.004	E.005	<.002	<.004	<.006	<.002	<.009	<.009
SEP													
27...	<.004	<.005	E.004	<.027	<.007	E.004	E.005	<.002	<.004	<.006	<.002	<.009	<.009

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

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

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	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)
OCT													
05...	<.011	<.034	<.035	<.006	<.007	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
NOV													
02...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
DEC													
06...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JAN													
30...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
FEB													
20...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
MAR													
02...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
APR													
20...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
MAY													
24...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JUN													
22...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JUL													
30...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
AUG													
10...	<.011	<.034	<.035	<.030	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
SEP													
27...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004

DATE	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	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)
OCT											
05...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
NOV											
02...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.070	<.050	<.006
DEC											
06...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JAN											
30...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.070	<.050	<.006
FEB											
20...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
MAR											
02...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
APR											
20...	<.021	<.002	<.011	E.004	<.005	<.003	<.010	<.007	<.023	<.050	<.006
MAY											
24...	<.021	<.002	<.011	E.002	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JUN											
22...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JUL											
30...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
AUG											
10...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
SEP											
27...	<.021	<.002	<.011	E.091	<.005	<.003	<.010	<.007	<.023	<.050	<.006

01184100 STONY BROOK NEAR WEST SUFFIELD, CT

LOCATION.--Lat 41°57'38", long 72°42'39", Hartford County, Hydrologic Unit 01080205, on right bank at upstream side of bridge on South Grand St, 2.1 ,mi south of West Suffield.
DRAINAGE AREA.--10.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1960-81. May 1981 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 149.21 ft above sea level. Gage temporarily relocated during reconstruction of the South Grand St. bridge from July 18, 2000 to July 21, 2001.
REMARKS.--Records poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 17,300 ft^3/s on basis of slope-area measurement, at site 5.6 mi downstream, just below State Route 75, drainage area = 36.9 mi^2, Aug. 19, 1955.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 22	----	e*800	----	No other peaks greater than base discharge.			

Minimum discharge, 0.20 ft^3/s, Sept. 8, 10, 19, 20, gage height, 1.18 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	1.2	4.6	24	e5.2	e20	e19	e200	9.3	11	2.1	.38	.52
2	1.2	4.9	16	e5.1	e18	e18	91	8.8	42	2.1	.35	.28
3	1.2	5.5	11	e5.0	e17	e17	64	7.8	89	2.4	.46	.24
4	1.2	5.8	8.8	e5.0	e16	e16	54	7.2	51	1.9	.63	.24
5	1.2	5.1	8.0	e4.9	e15	e15	47	6.1	25	2.0	.41	.28
6	1.4	4.4	7.9	e4.9	e14	e15	47	5.0	17	2.0	.31	.27
7	1.4	4.3	6.7	e4.8	e20	e14	64	4.4	11	1.0	.33	.29
8	1.3	4.7	5.9	e4.8	e17	e14	62	4.3	8.9	.83	.33	.22
9	1.3	5.2	5.8	e4.7	e16	14	63	4.6	6.8	1.2	.28	.22
10	4.0	30	5.4	e4.7	e15	17	58	4.3	5.9	1.5	.32	.35
11	5.8	48	6.7	e4.6	e14	23	42	3.5	5.4	1.4	.95	.61
12	5.6	25	11	e4.6	e14	24	47	3.2	8.4	e5.0	1.8	.32
13	4.7	15	11	e4.5	e13	40	48	3.0	7.5	.96	3.0	.41
14	4.3	18	8.9	e4.5	e17	57	35	2.4	5.7	.87	4.2	1.2
15	3.5	40	11	e6.0	e20	55	27	2.1	5.2	.71	1.6	1.0
16	3.3	24	9.9	7.3	e18	59	27	2.0	4.6	.91	.89	.56
17	4.6	17	85	8.5	e16	67	23	2.2	56	.82	.88	.40
18	7.8	15	83	9.3	e14	83	24	4.6	e500	.97	.64	.27
19	20	11	60	10	e19	84	19	4.1	24	1.0	.64	.22
20	14	9.4	32	e9.5	e21	86	18	2.3	13	.82	.57	.20
21	10	9.1	24	e9.0	e17	91	18	1.5	19	.76	.84	11
22	7.3	8.5	18	e8.5	e16	e700	18	12	14	.57	.71	8.9
23	5.5	10	e16	e8.0	e15	e360	17	48	13	.56	.59	1.6
24	5.3	7.0	e11	e7.6	e14	e220	15	111	11	.62	.53	.73
25	6.7	5.6	e9.0	e7.2	e13	e100	14	80	8.4	.64	.43	8.6
26	5.8	15	e7.5	e7.0	e28	87	13	65	7.5	.92	.36	9.6
27	5.6	43	e7.0	e6.8	e24	72	12	107	5.2	.54	.30	2.5
28	6.1	25	e6.5	e6.5	e21	61	11	45	3.7	.54	.30	1.8
29	3.6	18	e5.8	e6.2	---	56	9.8	23	3.2	.52	.33	1.8
30	3.5	22	e5.5	e10	---	95	9.4	18	2.4	.38	.32	1.3
31	4.3	---	e5.3	e21	---	e525	---	15	---	.41	.55	---
TOTAL	152.7	460.1	533.6	215.7	482	3104	1197.2	616.7	984.8	36.95	24.23	55.93
MEAN	4.93	15.3	17.2	6.96	17.2	100	39.9	19.9	32.8	1.19	.78	1.86
MAX	20	48	85	21	28	700	200	111	500	5.0	4.2	11
MIN	1.2	4.3	5.3	4.5	13	14	9.4	1.5	2.4	.38	.28	.20
CFSM	.47	1.47	1.66	.67	1.66	9.63	3.84	1.91	3.16	.11	.08	.18
IN.	.55	1.65	1.91	.77	1.72	11.10	4.28	2.21	3.52	.13	.09	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

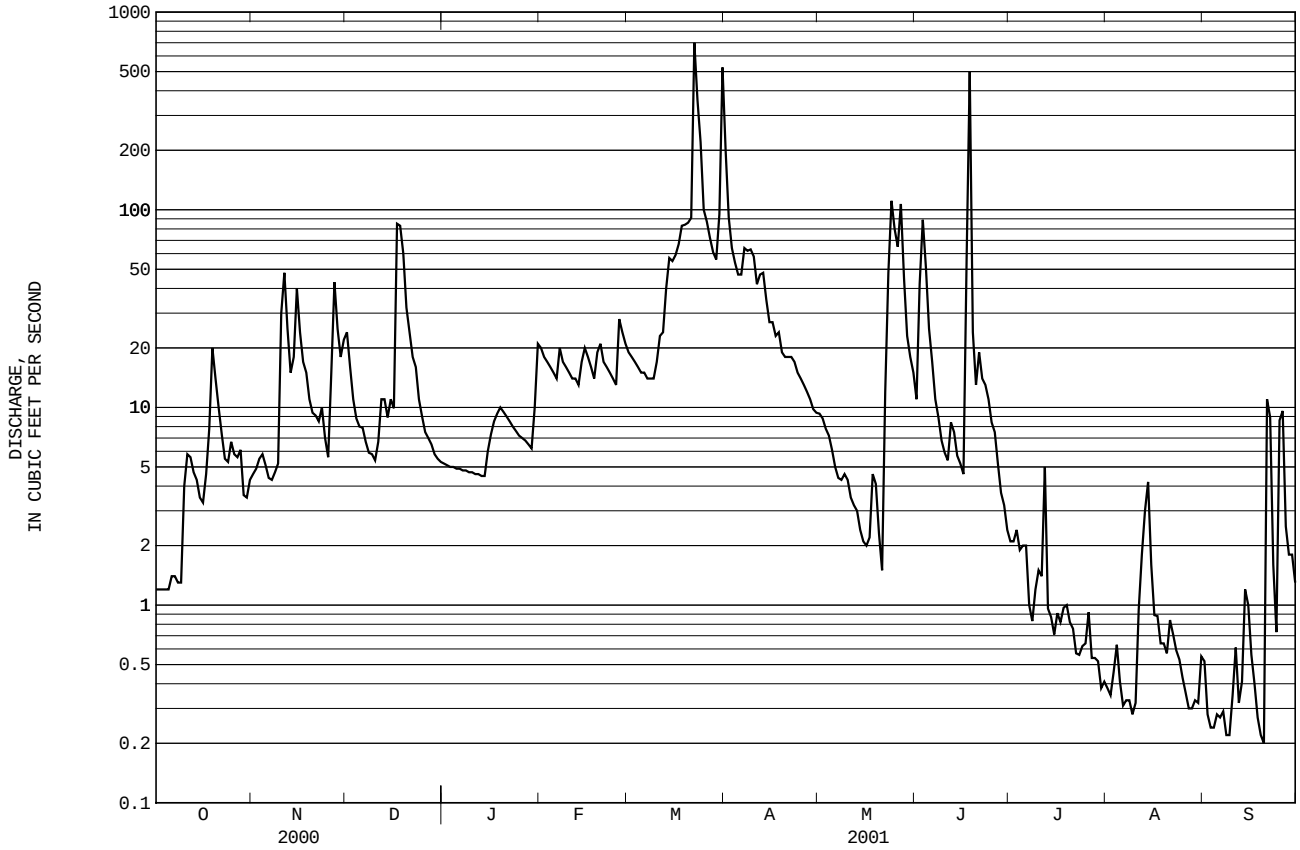
MEAN	12.7	19.2	22.4	23.0	25.9	43.0	35.4	23.9	20.0	5.62	6.36	7.28
MAX	44.2	36.5	57.9	60.3	59.6	100	92.6	73.9	97.5	14.0	20.3	37.2
(WY)	1990	1996	1997	1996	1984	2001	1983	1989	1982	2000	2000	1999
MIN	2.37	5.98	4.18	3.93	9.01	12.8	8.13	5.79	1.25	.56	.41	.48
(WY)	1998	1985	1999	1985	1985	1985	1985	1986	1999	1999	1993	1983

e Estimated.

01184100 STONY BROOK NEAR WEST SUFFIELD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1981 - 2001	
ANNUAL TOTAL	7798.0		7863.91			
ANNUAL MEAN	21.3		21.5		20.5	
HIGHEST ANNUAL MEAN					29.9	1984
LOWEST ANNUAL MEAN					7.42	1985
HIGHEST DAILY MEAN	379	Jun 7	e700	Mar 22	910	Jun 6 1982
LOWEST DAILY MEAN	1.2	Oct 1	.20	Sep 20	.08	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	1.3	Oct 1	.25	Sep 3	.13	Sep 2 1995
MAXIMUM PEAK FLOW			e800	Mar 22	1280	Jun 6 1982
MAXIMUM PEAK STAGE					5.83	Jun 6 1982
INSTANTANEOUS LOW FLOW			**a** .20	Sep 8	.07	Sep 3 1995
ANNUAL RUNOFF (CFSM)	2.05		2.07		1.97	
ANNUAL RUNOFF (INCHES)	27.89		28.13		26.76	
10 PERCENT EXCEEDS	46		52		47	
50 PERCENT EXCEEDS	13		7.2		9.8	
90 PERCENT EXCEEDS	4.4		.54		1.2	

a Also occurred on Sep. 10, 19, 20.



01184490 BROAD BROOK AT BROAD BROOK, CT

LOCATION.--Lat 41°54'50", long 72°33'00", Hartford County, Hydrologic Unit 01080205, on left bank just upstream from bridge on State Route 191 (Mill Street) at Broad Brook, 0.5 mi upstream from mouth.
DRAINAGE AREA.--15.5 mi^2.
PERIOD OF RECORD.--August 1961 to September 1976, May 1982 to current year.
REVISED RECORDS.--WSP 2101: 1962 (P). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 46.21 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair. Flow regulated by reservoir and mill upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	0945	385	3.40	Jun 17	1715	*456	*3.74
Mar 30	1915	327	3.11				

Minimum discharge, 4.6 ft^3/s, July 21, gage height, 0.55 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	13	13	16	e12	22	24	77	26	20	25	11	12
2	14	13	13	e12	20	22	64	25	38	21	11	10
3	13	13	12	e12	18	22	56	24	35	19	11	12
4	13	13	12	e12	16	21	51	23	30	19	17	13
5	13	13	12	e12	16	22	48	22	24	22	15	9.9
6	15	13	12	e12	17	22	50	21	21	19	12	9.5
7	14	13	11	e12	16	22	57	20	20	18	11	9.4
8	13	13	11	e12	15	21	59	20	19	18	11	9.2
9	13	13	10	e12	17	22	54	20	17	18	11	8.9
10	13	30	10	12	29	24	50	19	17	19	11	10
11	13	22	10	12	27	24	44	19	20	18	12	10
12	13	16	11	12	20	25	48	21	23	16	12	8.8
13	13	14	11	12	19	51	46	21	18	16	24	8.7
14	13	17	14	12	19	51	40	21	15	15	21	14
15	13	21	14	13	21	44	38	21	14	15	14	12
16	13	16	13	13	22	49	36	19	14	14	13	10
17	13	18	62	13	22	55	35	17	229	15	12	9.6
18	14	15	60	13	19	67	34	16	102	15	13	9.4
19	15	13	26	15	18	60	32	16	41	14	11	9.4
20	13	13	22	18	18	59	31	15	42	22	13	9.3
21	13	13	19	16	21	65	31	16	59	9.1	13	20
22	13	13	18	14	20	284	31	22	36	8.5	11	13
23	13	12	16	14	19	132	29	28	32	12	11	11
24	13	12	15	13	18	86	30	33	29	12	11	10
25	13	12	14	13	22	73	31	47	27	12	11	16
26	13	16	13	13	45	63	29	39	24	14	10	12
27	13	18	e13	13	34	56	28	48	22	13	9.9	11
28	13	15	e13	13	29	51	27	29	21	12	11	10
29	13	14	e12	12	---	48	26	25	20	12	11	9.6
30	14	16	e12	17	---	178	26	26	21	12	10	9.7
31	14	---	e12	23	---	133	---	22	---	11	12	---
TOTAL	412	453	519	414	599	1876	1238	741	1050	485.6	386.9	327.4
MEAN	13.3	15.1	16.7	13.4	21.4	60.5	41.3	23.9	35.0	15.7	12.5	10.9
MAX	15	30	62	23	45	284	77	48	229	25	24	20
MIN	13	12	10	12	15	21	26	15	14	8.5	9.9	8.7
CFSM	.86	.97	1.08	.86	1.38	3.90	2.66	1.54	2.26	1.01	.81	.70
IN.	.99	1.09	1.25	.99	1.44	4.50	2.97	1.78	2.52	1.17	.93	.79

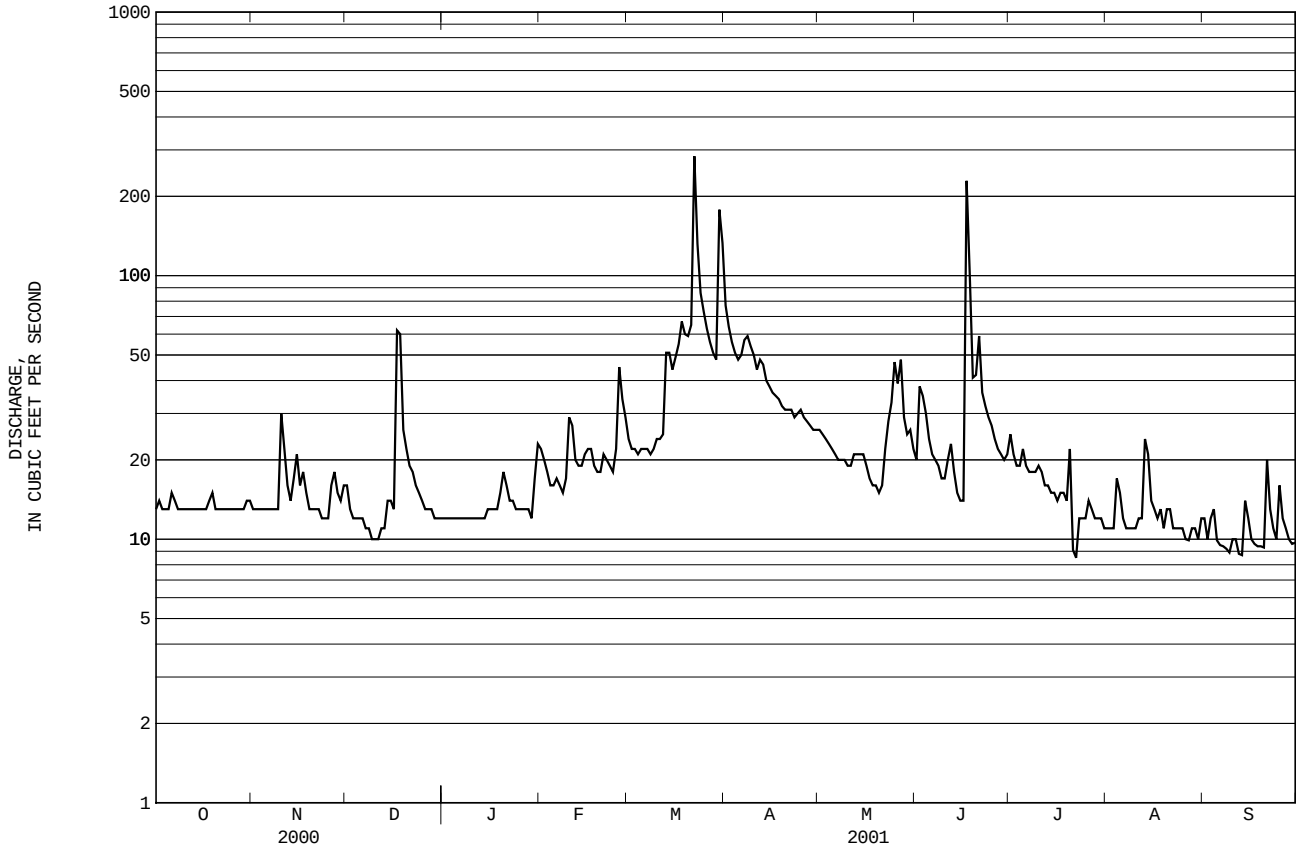
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2001, BY WATER YEAR (WY)

MEAN	16.2	20.4	24.7	27.7	30.1	41.8	37.6	29.7	24.2	16.4	14.8	14.8
MAX	44.3	45.8	64.7	68.5	66.4	86.2	87.5	64.1	65.4	31.3	33.1	53.8
(WY)	1990	1976	1997	1976	1970	1972	1983	1984	1982	1967	1989	1975
MIN	7.44	8.37	8.71	7.98	13.8	18.0	12.9	12.7	9.78	5.24	5.00	6.77
(WY)	1966	1966	1966	1966	1969	1985	1966	1965	1965	1965	1965	1963

e Estimated.

01184490 BROAD BROOK AT BROAD BROOK, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1961 - 2001	
ANNUAL TOTAL	9528		8501.9			
ANNUAL MEAN	26.0		23.3		24.7	
HIGHEST ANNUAL MEAN					34.9	1976
LOWEST ANNUAL MEAN					11.6	1966
HIGHEST DAILY MEAN	252	Apr 22	284	Mar 22	487	Mar 3 1972
LOWEST DAILY MEAN	10	Aug 31	8.5	Jul 22	1.7	Jul 17 1965
ANNUAL SEVEN-DAY MINIMUM	11	Dec 7	9.3	Sep 7	2.9	Jul 12 1965
MAXIMUM PEAK FLOW			456	Jun 17	1140	Sep 27 1975
MAXIMUM PEAK STAGE			3.74	Jun 17	6.56	Sep 27 1975
INSTANTANEOUS LOW FLOW			4.6	Jul 21	1.3	Jan 1 1965
ANNUAL RUNOFF (CFSM)	1.68		1.50		1.60	
ANNUAL RUNOFF (INCHES)	22.87		20.40		21.68	
10 PERCENT EXCEEDS	46		46		43	
50 PERCENT EXCEEDS	20		16		18	
90 PERCENT EXCEEDS	13		11		9.9	



PERIOD OF RECORD.--April 1997 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
10...	0915	13	347	8.7	17.0	10.0	3.5	11.2	99	500	120	140	41.3
DEC													
12...	1340	12	357	8.1	4.0	3.5	1.5	13.0	99	65	62k	140	41.0
FEB													
08...	1045	15	339	8.1	2.0	2.0	2.5	15.1	107	170	84	110	34.7
APR													
17...	0930	35	271	8.0	14.5	11.0	2.5	11.3	104	47	22	88	26.3
JUN													
21...	1220	54	209	7.7	22.0	20.0	24	8.9	98	17000k	4500	71	21.0
JUL													
26...	1340	16	352	8.6	20.5	23.5	1.9	7.9	93	700	2900	130	39.9
AUG													
17...	0955	13	330	8.0	28.5	21.0	2.2	7.7	87	220	192	130	38.3
SEP													
13...	1105	8.6	366	8.0	27.5	20.0	3.4	8.4	92	130	71	140	44.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
10...	7.91	14.5	3.28	.0	98	80	35.6	25.2	<.2	14.1	209	214	.034
DEC													
12...	7.91	13.3	2.99	.0	95	78	36.2	24.1	<.2	13.2	214	223	.026
FEB													
08...	6.86	15.8	2.95	.0	76	62	30.9	29.8	<.2	12.6	195	204	.024
APR													
17...	5.44	14.4	2.39	.0	56	46	23.4	26.7	<.2	10.1	164	136	.020
JUN													
21...	4.63	10.6	3.88	.0	49	40	18.6	19.9	E.1	10.6	155	156	.054
JUL													
26...	7.49	14.5	3.02	.0	89	73	31.2	26.3	<.2	13.0	215	236	.048
AUG													
17...	7.43	13.3	3.39	.0	92	76	32.0	24.5	<.2	13.0	198	198	.060
SEP													
13...	8.49	14.7	3.00	.0	106	88	46.0	27.3	<.2	13.4	211	217	.053

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
10...	4.87	.071	.30	.38	.22	5.2	.074	.044	.032	11	<.05	113	<.06
DEC													
12...	5.27	.055	.26	.32	.30	5.6	.049	.035	.025	6	E.03	116	<.06
FEB													
08...	4.77	.137	.26	.40	.28	5.2	.059	.037	.031	7	E.04	96.4	<.06
APR													
17...	3.42	<.041	--	.26	.21	3.7	.057	.038	.029	17	.06	73.7	<.06
JUN													
21...	2.60	.186	.79	.98	.67	3.6	.266	.152	.145	26	.09	62.0	<.06
JUL													
26...	3.68	.056	.38	.43	.34	4.1	.090	.062	.047	34	E.03	101	<.06
AUG													
17...	3.73	.050	.45	.50	.28	4.2	.091	.059	.042	16	.06	103	<.06
SEP													
13...	3.74	.089	.27	.36	.29	4.1	.074	.048	.025	18	E.04	104	<.06

01184490 BROAD BROOK AT BROAD BROOK, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
10...	.16	E.6	.16	.7	40	E.05	87.8	.3	.92	<1.0	<1	.37	2.1
DEC													
12...	<.04	<.8	.16	.8	M	E.08	53.5	.4	.48	<1.0	<1	.46	1.8
FEB													
08...	<.04	<.8	.13	.9	40	E.05	169	.3	.11	<1.0	<1	.35	2.2
APR													
17...	<.04	<.8	.11	1.3	50	E.08	144	.2	.15	<1.0	<1	.24	2.6
JUN													
21...	<.04	E.4	.15	2.7	80	<.08	113	.4	.41	<1.0	<1	.11	9.3
JUL													
26...	<.04	<.8	.13	2.3	30	.10	51.6	.4	<.06	<1.0	<1	.44	4.2
AUG													
17...	<.04	<.8	.10	1.0	40	<.08	23.4	.4	<.06	<1.0	<1	.23	3.3
SEP													
13...	<.04	E.5	.13	1.0	30	E.04	92.6	.4	<.06	<1.0	<1	.47	2.6

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT

LOCATION.--Lat 41°57'46", long 73°01'05", Litchfield County, Hydrologic Unit 01080207, on right bank at downstream side of bridge on State Route 20 at Riverton, 0.3 mi upstream from Still River, 2.0 mi downstream from Goodwin Dam of West Branch Reservoir, and at mile 55.
DRAINAGE AREA.--131 mi^2.
PERIOD OF RECORD.--Discharge: August 1955 to current year. Water-quality records: Water Years 1954, 1955, 1975-80.
REVISED RECORDS.--WSP 1501: 1956. WSP 1551: 1957. WSP 1701: 1958-59.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 485.60 ft above sea level. Prior to Mar. 29, 1957, nonrecording gage at same site and datum. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Otis and West Branch Reservoirs and Colebrook River Lake.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 21.1 ft, from floodmarks, discharge, 57,200 ft^3/s, by slope-area measurement 1.5 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft^3/s, Apr. 18, gage height, 6.30 ft; minimum discharge, 65 ft^3/s, Dec. 13, gage height, 3.26 ft.

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

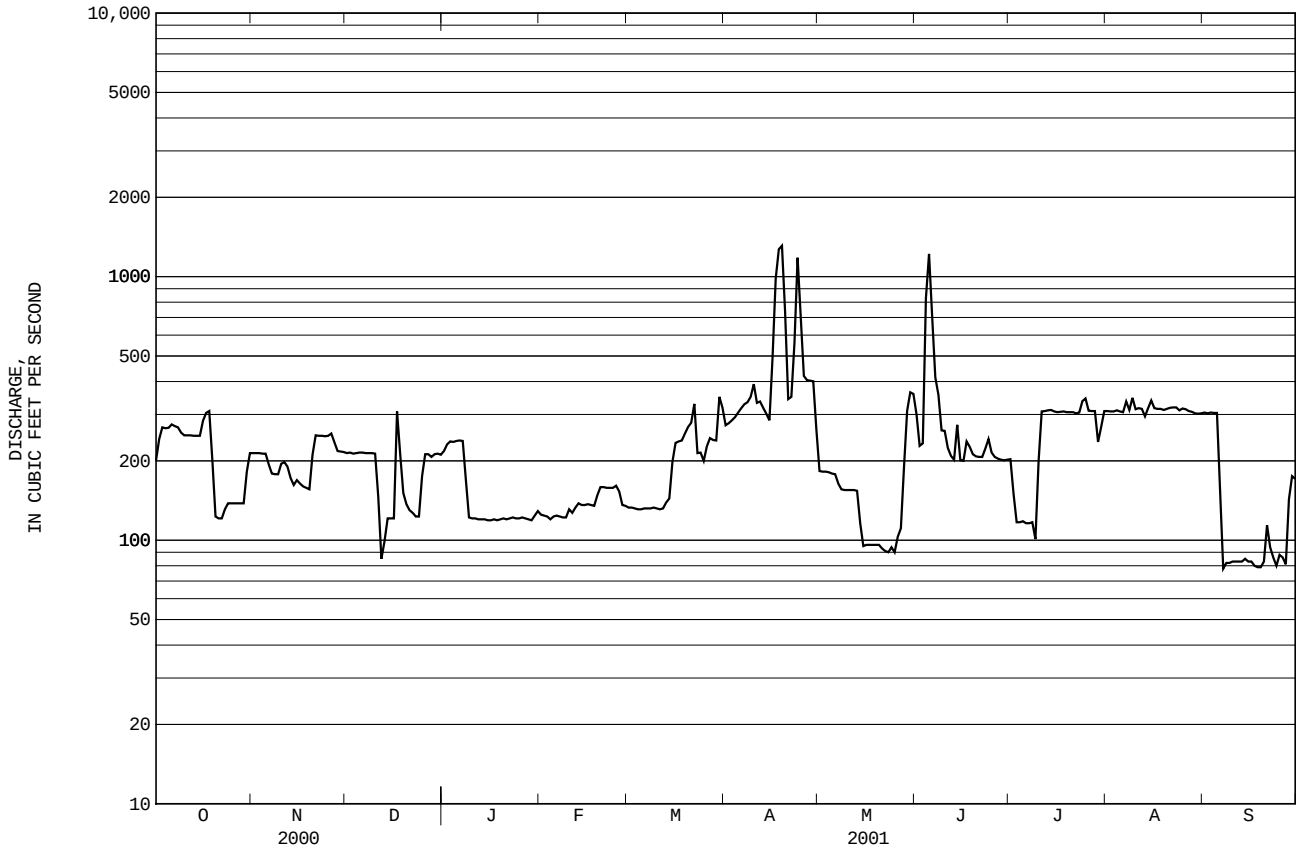
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	214	214	218	125	133	273	183	300	203	309	305
2	242	214	215	231	124	133	278	182	228	150	308	303
3	268	214	213	237	123	132	285	182	233	117	308	305
4	266	213	214	236	120	131	293	181	829	117	311	304
5	267	213	215	238	123	131	305	179	1220	118	308	304
6	275	194	215	239	124	132	317	178	703	116	306	154
7	271	179	214	238	123	132	328	164	415	116	336	78
8	268	178	214	169	122	132	334	156	356	117	312	82
9	256	178	214	122	122	133	350	155	261	101	347	82
10	250	195	213	121	131	132	391	155	260	199	314	83
11	250	198	146	121	127	131	332	155	224	308	317	83
12	250	190	85	120	133	132	336	155	209	309	315	83
13	249	172	99	120	138	139	318	154	202	311	295	83
14	249	162	121	120	136	144	302	116	274	312	317	85
15	249	169	121	119	136	198	285	95	201	308	339	83
16	284	164	121	119	137	234	494	96	200	306	317	83
17	304	160	308	120	136	237	982	96	237	307	315	80
18	309	158	213	119	135	239	1270	96	226	308	315	79
19	200	156	151	120	148	254	1310	96	212	306	312	79
20	123	211	137	121	159	269	736	96	208	306	315	83
21	121	250	130	120	159	279	343	93	207	306	318	114
22	121	249	127	121	158	329	350	91	207	303	319	94
23	131	249	123	122	158	214	562	90	223	305	319	86
24	138	248	123	121	158	215	1180	94	242	337	311	80
25	138	249	175	121	161	200	704	90	215	345	316	88
26	138	254	212	122	153	227	420	103	207	310	314	86
27	138	235	212	121	136	244	405	111	204	309	309	81
28	138	218	207	120	135	240	403	190	202	309	307	143
29	138	217	212	119	---	239	401	310	201	236	303	175
30	182	216	213	124	---	350	263	364	202	269	302	171
31	214	---	211	129	---	318	---	359	---	309	303	---
TOTAL	6628	6117	5588	4588	3840	6153	14550	4765	9108	7773	9737	3939
MEAN	214	204	180	148	137	198	485	154	304	251	314	131
MAX	309	254	308	239	161	350	1310	364	1220	345	347	305
MIN	121	156	85	119	120	131	263	90	200	101	295	78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2001, BY WATER YEAR (WY)

MEAN	190	253	253	218	213	267	451	300	279	219	231	168
MAX	1080	794	655	597	729	668	1134	673	903	720	509	490
(WY)	1956	1956	1997	1978	1976	1968	1958	1983	1984	1972	1969	1973
MIN	34.2	52.1	89.0	41.7	57.4	106	122	94.3	35.6	15.8	12.3	25.0
(WY)	1969	1965	1965	1981	1977	1989	1985	1985	1957	1957	1957	1967

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1956 - 2001	
ANNUAL TOTAL	88568		82786			
ANNUAL MEAN	242		227		253	
HIGHEST ANNUAL MEAN					384	1956
LOWEST ANNUAL MEAN					102	1965
HIGHEST DAILY MEAN	1250	Jun 15	1310	Apr 19	7310	Oct 16 1955
LOWEST DAILY MEAN	79	Sep 13	78	Sep 7	2.7	Oct 5 1960
ANNUAL SEVEN-DAY MINIMUM	120	Feb 7	82	Sep 13	3.8	Oct 1 1960
MAXIMUM PEAK FLOW			1360	Apr 18	10600	Oct 16 1955
MAXIMUM PEAK STAGE			6.30	Apr 18	12.47	Oct 16 1955
INSTANTANEOUS LOW FLOW			65	Dec 13	.90	Jul 21 1960
10 PERCENT EXCEEDS	389		318		458	
50 PERCENT EXCEEDS	207		208		202	
90 PERCENT EXCEEDS	127		113		68	



01186500 STILL RIVER AT ROBERTSVILLE, CT

LOCATION.--Lat 41°58'04", long 73°02'04", Litchfield County, Hydrologic Unit 01080207, on left bank 1,500 ft downstream from Sandy Brook, 1 mi southeast of Robertsville, 1 mi northwest of Riverton, and 1 mi upstream from mouth.
DRAINAGE AREA.--85.0 mi^2.
PERIOD OF RECORD.--July 1948 to September 1967, July 1969 to current year.
REVISED RECORDS.--WSP 1901: 1948-60. WDR-CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 510.24 ft above sea level. Telephone telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are poor. Flow regulated by power plant, Mad River and Sucker Brook Detention Reservoirs, and Highland Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft^3/s, Apr. 10, gage height, 5.35 ft; minimum discharge, 7.8 ft^3/s, Sep. 9, 10, gage height, 1.29 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	43	58	81	e200	140	128	708	86	111	81	13	14
2	51	89	69	e170	122	116	503	83	370	74	13	11
3	45	88	61	e160	e100	108	439	76	739	58	12	11
4	34	87	79	e140	e95	104	476	72	498	54	37	12
5	36	86	e55	e130	e90	102	546	66	301	53	45	11
6	98	85	e52	e120	e85	108	663	60	202	52	33	9.5
7	81	88	e50	e110	e83	106	817	57	154	46	27	8.8
8	62	77	e48	e105	108	93	845	55	123	41	23	8.8
9	50	84	e47	e100	114	100	984	52	94	34	20	8.2
10	44	163	e46	e95	201	114	1440	51	81	38	18	10
11	40	254	e50	e90	210	110	1160	37	71	37	46	15
12	38	211	62	e85	238	110	1090	44	111	34	29	13
13	36	168	99	e80	195	150	1070	42	93	40	29	12
14	33	155	92	e75	112	190	970	40	77	28	32	34
15	30	200	65	e70	119	177	735	37	77	24	35	31
16	30	163	60	e65	125	184	540	39	59	26	27	24
17	33	120	271	e63	122	203	427	39	427	23	23	19
18	66	79	936	e60	119	224	350	39	406	23	28	16
19	133	71	601	e75	122	210	296	42	202	26	22	15
20	89	64	346	e90	102	225	253	42	133	23	20	24
21	72	60	268	e100	94	261	210	38	114	20	19	336
22	60	57	241	e80	97	1050	211	94	105	19	17	213
23	56	59	186	e75	94	943	190	255	132	17	15	110
24	49	58	e160	e70	94	609	163	288	277	16	14	66
25	67	62	e150	e65	97	488	152	212	171	15	13	283
26	73	73	e140	e64	176	404	137	267	121	16	12	262
27	57	118	e130	e63	162	339	125	575	93	25	11	125
28	44	105	e120	e60	141	306	110	354	74	16	12	88
29	40	90	e115	e70	---	285	97	227	63	14	13	70
30	39	89	e110	e60	---	871	93	170	61	16	11	59
31	51	---	e150	e55	---	1050	---	134	---	16	10	---
TOTAL	1680	3161	4940	2845	3557	9468	15800	3673	5540	1005	679	1919.3
MEAN	54.2	105	159	91.8	127	305	527	118	185	32.4	21.9	64.0
MAX	133	254	936	200	238	1050	1440	575	739	81	46	336
MIN	30	57	46	55	83	93	93	37	59	14	10	8.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2001, BY WATER YEAR (WY)

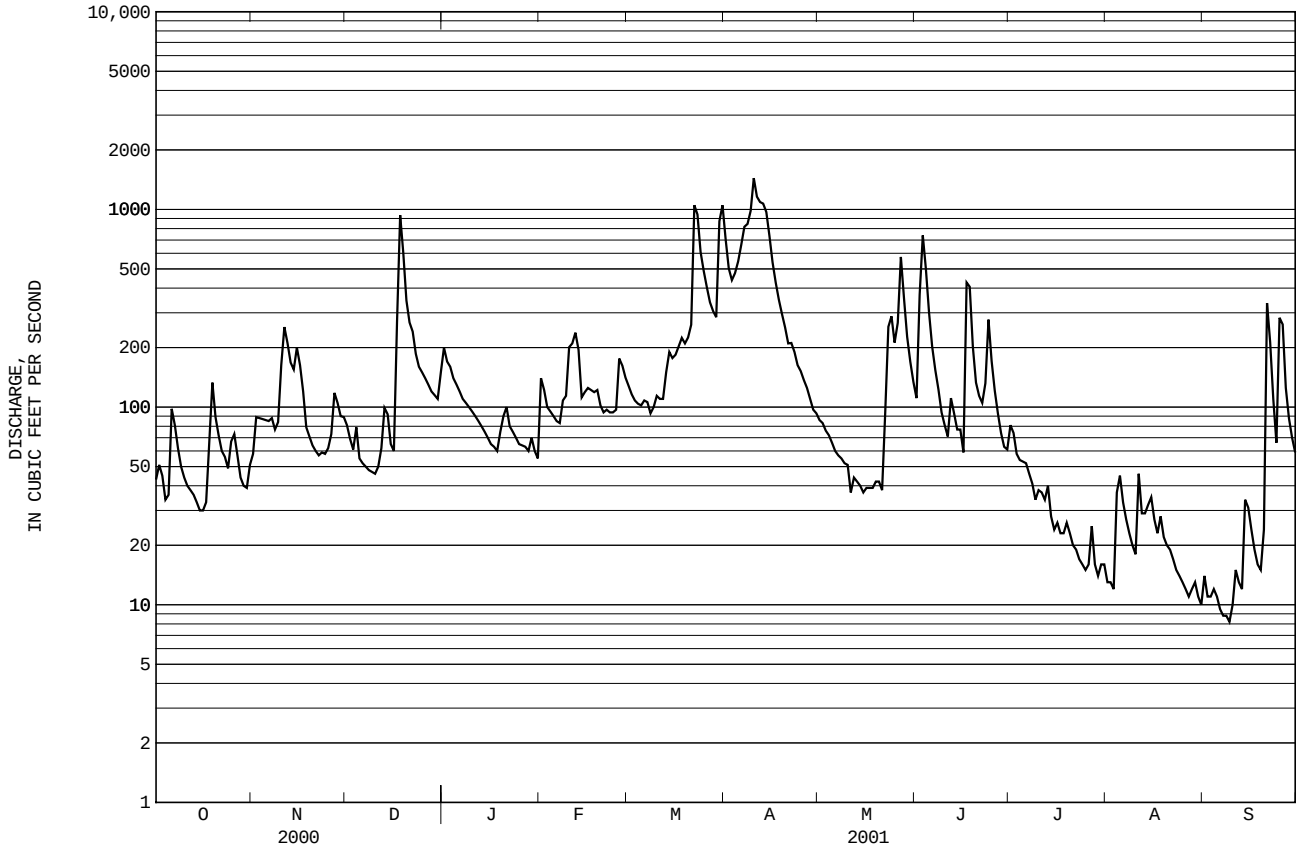
MEAN	124	167	188	193	199	305	370	202	126	60.2	80.8	75.8
MAX	832	569	527	503	621	699	786	577	492	276	1228	363
(WY)	1956	1956	1974	1999	1981	1953	1987	1989	1972	1972	1955	1975
MIN	16.8	24.6	37.5	15.7	47.9	106	92.9	59.4	28.9	12.1	9.32	10.3
(WY)	1958	1965	1981	1981	1980	1989	1985	1965	1995	1957	1957	1995

e Estimated.

01186500 STILL RIVER AT ROBERTSVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1949 - 2001	
ANNUAL TOTAL	60462		54267.3			
ANNUAL MEAN	165		149		174	
HIGHEST ANNUAL MEAN					269	1955
LOWEST ANNUAL MEAN					62.0	1965
HIGHEST DAILY MEAN	2140	Jun 7	1440	Apr 10	24800	Aug 19 1955
LOWEST DAILY MEAN	23	Jul 13	8.2	Sep 9	.30	Sep 14 1957
ANNUAL SEVEN-DAY MINIMUM	30	Jul 8	9.8	Sep 4	2.1	Sep 10 1995
MAXIMUM PEAK FLOW			1520	Apr 10	**a**44000	Aug 19 1955
MAXIMUM PEAK STAGE			5.35	Apr 10	**b**16.48	Aug 19 1955
INSTANTANEOUS LOW FLOW			**c**7.8	Sep 9	.20	Sep 14 1957
10 PERCENT EXCEEDS	346		337		374	
50 PERCENT EXCEEDS	110		83		101	
90 PERCENT EXCEEDS	43		18		22	

a From rating curve extended above 5,600 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks.
c Also occurred Sep. 10.



01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT

LOCATION.--Lat 42°02'14", long 72°56'22", Hartford County, Hydrologic Unit 01080207, on left bank at Massachusetts-Connecticut Stateline, 800 ft upstream from bridge on State Route 20, 0.5 mi upstream from confluence with Valley Brook, and 2.6 mi northeast of West Hartland.
DRAINAGE AREA.--19.9 mi^2.
PERIOD OF RECORD.--January 1938 to September 1955, September 1956 to current year. Monthly discharge only for periods January 1938 to September 1955, October 1956 to September 1960, published in WSP 1721. Daily figures for the periods January 1938 to September 1955, September 1956 to September 1960, available upon request.
REVISED RECORDS.--WDR-CT-83-1: Drainage area.
GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 594.57 ft above sea level. Prior to October 1, 1981, at datum 0.05 ft higher.
REMARKS.--Records good except those for periods of estimated record, which are poor.
COOPERATION.--Gage-height record prior to May 28, 1982 furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	1715	*1,320	*6.49	Apr 9	2330	681	4.95
Mar 22	0400	961	5.65				

Minimum discharge, 0.48 ft^3/s, Sep. 9, 10, gage height, 0.08 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	7.0	9.4	28	e40	33	28	123	24	20	7.0	1.0	1.6
2	6.4	9.0	23	e30	29	25	89	22	80	7.3	.91	1.1
3	5.9	8.8	20	e26	25	23	77	20	146	5.8	.90	.87
4	5.4	8.7	e19	e24	25	22	85	18	105	e5.5	1.4	.75
5	6.2	8.5	e18	e22	22	22	110	16	59	e5.2	1.5	.90
6	37	8.6	17	e21.6	26	24	139	14	38	e4.9	1.3	.83
7	30	10	16	e21.3	23	24	181	13	27	e4.6	1.2	.70
8	17	14	15	e21	21	22	222	12	20	e4.3	1.0	.60
9	12	15	14	e21	26	22	361	10	17	e4.0	.91	.52
10	10	64	16	21	56	23	514	8.9	14	e3.8	2.6	.57
11	9.7	97	18	20	49	22	285	7.9	12	e3.6	6.6	.97
12	8.5	60	22	20	40	23	299	7.3	17	e3.4	3.1	7.7
13	8.4	39	20	20	34	29	304	7.0	13	e3.2	3.0	15
14	7.7	42	18	20	29	41	275	6.5	11	e3.0	3.1	20
15	7.5	72	17	20	32	38	204	6.2	9.1	e2.8	2.3	15
16	7.2	47	16	20	30	38	163	5.6	7.8	e2.6	1.7	12
17	8.4	35	568	20	28	44	127	5.5	113	e2.4	3.0	11
18	21	28	314	20	27	50	103	5.4	84	e2.2	3.6	9.4
19	54	25	110	20	25	45	87	5.5	37	e2.1	2.1	12
20	30	22	e70	23	25	48	76	5.1	23	2.0	1.6	18
21	21	e20	e50	21	26	59	74	4.6	24	1.9	1.5	142
22	16	e18	e34	e19	24	519	74	22	21	1.7	1.3	46
23	13	e16	e30	e18	23	281	65	83	35	1.6	1.2	23
24	12	e14	e26	e18	21	155	55	112	66	1.5	1.1	16
25	12	e12	e24	18	25	114	47	104	34	1.4	.89	63
26	11	e10	e22	17	52	88	40	160	21	1.8	.84	49
27	10	e8.0	e20	17	37	72	35	161	15	1.9	.85	24
28	9.5	e6.0	e18	17	30	61	32	82	11	1.5	.88	17
29	9.4	30	e16	17	---	56	30	50	8.3	1.3	.85	14
30	9.1	29	e15	21	---	180	27	36	7.2	1.2	.78	12
31	9.5	---	e55	39	---	181	---	26	---	1.0	.72	---
TOTAL	431.8	786.0	1669	672.9	843	2379	4303	1060.5	1095.4	96.5	53.73	535.51
MEAN	13.9	26.2	53.8	21.7	30.1	76.7	143	34.2	36.5	3.11	1.73	17.9
MAX	54	97	568	40	56	519	514	161	146	7.3	6.6	142
MIN	5.4	6.0	14	17	21	22	27	4.6	7.2	1.0	.72	.52
CFSM	.70	1.32	2.71	1.09	1.51	3.86	7.21	1.72	1.83	.16	.09	.90
IN.	.81	1.47	3.12	1.26	1.58	4.45	8.04	1.98	2.05	.18	.10	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

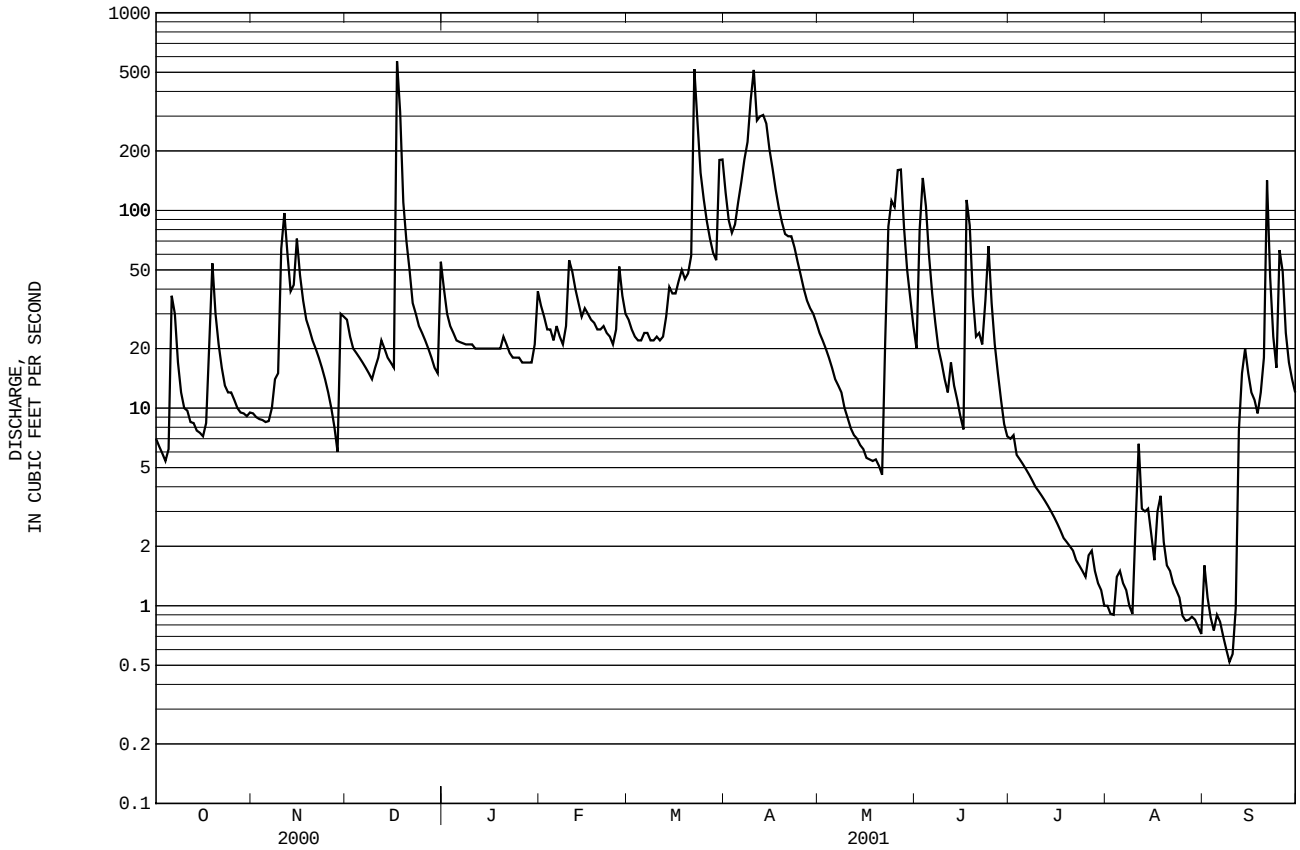
MEAN	21.2	41.5	45.9	40.3	40.9	81.8	95.6	49.8	28.9	12.5	13.7	13.7
MAX	101	103	132	117	165	193	230	145	124	61.8	270	88.7
(WY)	1997	1996	1974	1996	1981	1953	1993	1989	1972	1969	1955	1975
MIN	1.41	4.86	8.25	3.47	6.64	22.0	24.2	12.2	3.18	1.12	.57	.81
(WY)	1965	1965	1947	1981	1980	1941	1999	1980	1957	1971	1957	1953

e Estimated.

01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	15819.2		13926.34			
ANNUAL MEAN	43.2		38.2		40.4	
HIGHEST ANNUAL MEAN					64.3	1955
LOWEST ANNUAL MEAN					16.2	1965
HIGHEST DAILY MEAN	748	Jun 7	568	Dec 17	5000	Aug 19 1955
LOWEST DAILY MEAN	4.0	Sep 1	.52	Sep 9	.19	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 26	.70	Sep 4	.21	Aug 15 1957
MAXIMUM PEAK FLOW			1320	Dec 17	**a**10500	Aug 19 1955
MAXIMUM PEAK STAGE			6.49	Dec 17	**b**16.50	Aug 19 1955
INSTANTANEOUS LOW FLOW			**d** .48	Sep 9	**c** .00	
ANNUAL RUNOFF (CFSM)	2.17		1.92		2.03	
ANNUAL RUNOFF (INCHES)	29.57		26.03		27.60	
10 PERCENT EXCEEDS	84		86		93	
50 PERCENT EXCEEDS	24		20		20	
90 PERCENT EXCEEDS	8.0		1.6		2.4	

a From rating curve extended above 300 ft^3/s, on basis of contracted-opening measurement of peak flow.
b From high water marks in the gage well.
c Occurred frequently during low-flow periods.
d Also occurred Sep. 10.



01188000 BURLINGTON BROOK NEAR BURLINGTON, CT

LOCATION.--Lat 41°47'10", long 72°57'55", Hartford County, Hydrologic Unit 01080207, on left bank 1.2 mi north of Burlington, 3 mi upstream from mouth, 2,000 ft east of the intersection of Covey Road and Hotchkiss Road, and 3 mi southwest of Collinsville.
DRAINAGE AREA.--4.10 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1931 to current year.
REVISED RECORDS.--WSP 1301: 1933-45 (M). WDR-CT-83-1: Drainage area.
GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 714.00 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair, and estimated records, which are poor. Occasional regulation at low flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	0600	221	5.73	Jun 17	1045	*466	*6.91
Mar 30	1530	257	5.96				

Minimum discharge, 0.58 ft^3/s, Sep. 7, gage height, 1.79 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	2.1	2.0	5.2	e3.1	8.8	5.9	32	6.0	6.0	4.8	1.1	.99
2	1.9	1.9	4.3	e3.1	7.0	5.2	24	5.6	23	6.1	1.1	.84
3	1.9	2.3	3.6	e3.0	5.9	4.9	26	5.3	17	4.0	1.1	.77
4	1.8	1.8	e3.3	e3.0	5.0	4.6	33	4.9	12	3.6	1.2	.82
5	1.8	1.8	e3.1	e2.9	4.5	5.1	36	4.6	7.8	4.6	1.4	.81
6	2.9	1.8	e2.9	e2.9	5.7	5.4	38	4.4	6.4	3.7	1.2	.74
7	2.6	1.7	e2.8	e2.9	4.7	4.9	38	4.3	5.3	3.0	1.0	.67
8	2.2	1.7	e2.7	e2.8	4.3	4.6	38	4.2	4.7	3.3	1.0	.65
9	2.0	1.7	e2.7	e2.8	e4.2	4.6	33	4.1	4.2	4.4	.86	.66
10	1.8	16	e2.6	e2.8	e6.2	4.9	36	4.1	4.0	3.5	.92	3.6
11	2.9	28	e2.5	e2.8	e5.4	4.8	23	3.9	4.7	3.0	.85	3.5
12	1.7	8.8	3.9	e2.7	e4.9	5.1	28	3.6	11	2.8	.99	1.4
13	1.6	5.3	3.5	e2.7	e4.6	11	22	3.7	5.4	2.6	6.9	.94
14	1.5	5.2	3.9	e2.7	e4.4	13	16	3.4	4.4	2.6	4.1	4.2
15	1.5	10	4.5	3.3	e4.3	10	14	3.1	4.0	2.5	2.4	2.7
16	1.5	5.7	3.9	3.7	e5.0	12	12	3.3	3.6	2.1	1.6	1.5
17	1.8	4.5	e67	3.7	e5.5	15	11	3.2	133	2.2	1.3	1.1
18	3.0	4.0	e25	3.4	e5.1	16	11	3.2	29	2.3	1.3	.97
19	6.2	3.8	e10	4.1	e4.9	13	9.5	3.3	12	1.8	1.2	.78
20	3.4	3.4	e7.0	5.8	e4.7	14	8.9	3.0	10	1.7	1.3	1.0
21	2.7	e3.2	e6.0	4.5	e4.5	18	8.5	2.8	19	1.5	2.1	13
22	2.2	e3.0	e5.0	4.0	e4.4	160	9.3	12	12	1.4	1.3	3.7
23	2.0	e2.8	e4.6	e3.6	e4.3	58	8.2	49	10	1.4	1.1	2.1
24	2.0	e2.7	e4.3	e3.3	4.2	34	8.0	33	12	1.4	1.2	1.3
25	2.0	e2.6	e4.0	e3.1	6.5	30	8.2	19	7.8	1.3	1.1	7.2
26	2.0	6.5	e3.9	e3.0	18	23	7.9	38	6.1	1.7	.91	4.2
27	1.9	10	e3.7	e2.9	9.4	17	6.9	38	4.9	1.9	.91	2.4
28	1.9	5.9	e3.5	e2.8	7.1	15	6.5	16	4.3	1.4	.99	1.7
29	1.8	4.5	e3.4	e2.7	---	16	6.1	10	3.9	1.4	1.1	1.7
30	1.9	4.7	e3.3	5.5	---	125	6.0	8.5	3.6	1.2	.94	1.4
31	2.0	---	e3.2	12	---	61	---	7.0	---	1.2	.97	---
TOTAL	68.5	157.3	209.3	111.6	163.5	721.0	565.0	314.5	391.1	80.4	45.44	67.34
MEAN	2.21	5.24	6.75	3.60	5.84	23.3	18.8	10.1	13.0	2.59	1.47	2.24
MAX	6.2	28	67	12	18	160	38	49	133	6.1	6.9	13
MIN	1.5	1.7	2.5	2.7	4.2	4.6	6.0	2.8	3.6	1.2	.85	.65
CFSM	.54	1.28	1.65	.88	1.42	5.67	4.59	2.47	3.18	.63	.36	.55
IN.	.62	1.43	1.90	1.01	1.48	6.54	5.13	2.85	3.55	.73	.41	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

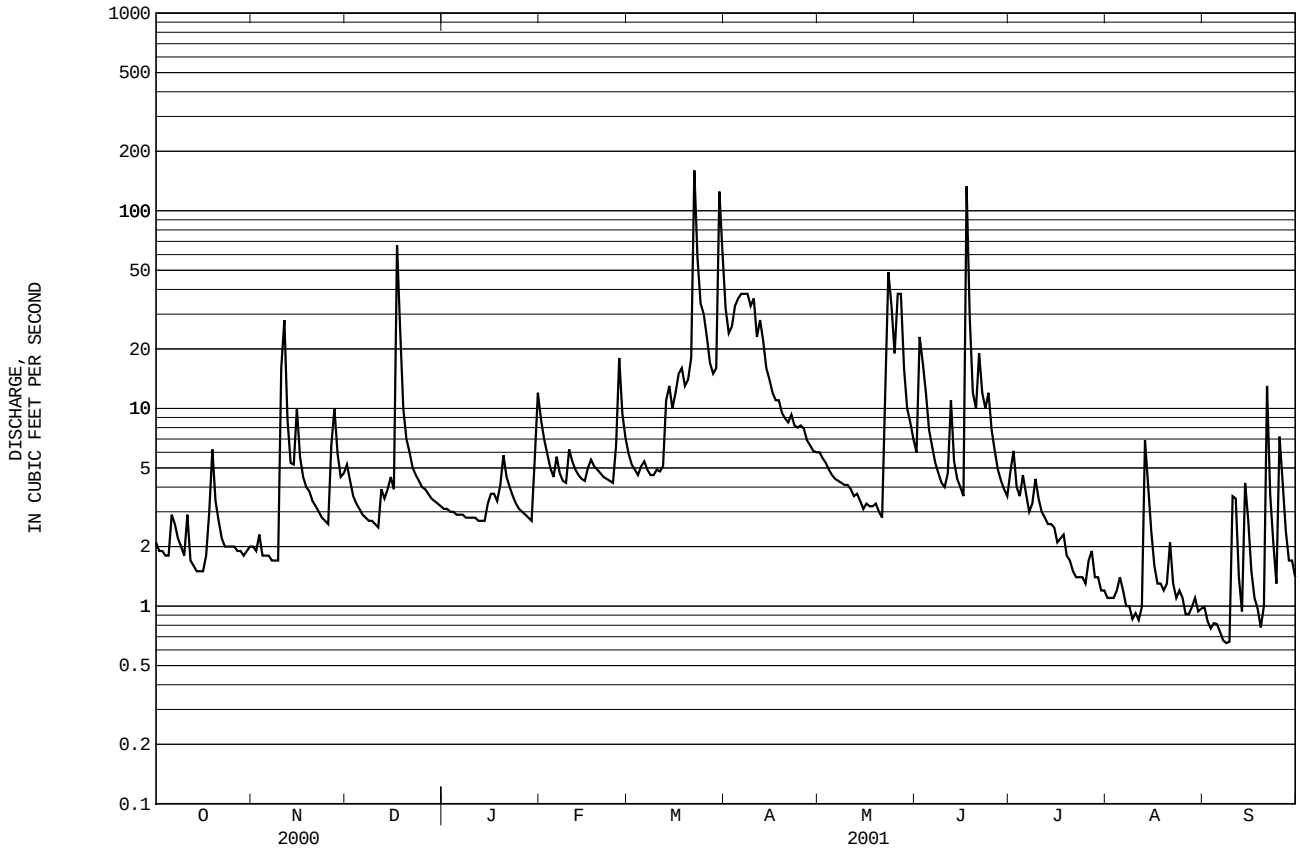
MEAN	5.35	8.21	8.98	9.29	9.15	16.3	15.2	10.3	6.53	3.80	3.85	4.09
MAX	37.6	28.4	27.1	25.7	25.0	39.4	38.8	30.1	29.2	15.2	36.0	19.7
(WY)	1956	1956	1974	1996	1981	1983	1983	1989	1982	1938	1955	1999
MIN	1.02	1.22	2.13	1.07	2.02	6.37	4.26	3.42	1.45	.80	.65	.77
(WY)	1942	1932	1932	1981	1934	1985	1985	1965	1957	1966	1999	1964

e Estimated.

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1932 - 2001	
ANNUAL TOTAL	3030.0		2894.98			
ANNUAL MEAN	8.28		7.93		8.41	
HIGHEST ANNUAL MEAN					13.2	1973
LOWEST ANNUAL MEAN					3.51	1965
HIGHEST DAILY MEAN	101	Jun 7	160	Mar 22	673	Aug 19 1955
LOWEST DAILY MEAN	1.5	Oct 14	.65	Sep 8	.16	Sep 2 1995
ANNUAL SEVEN-DAY MINIMUM	1.8	Oct 10	.73	Sep 3	.24	Sep 2 1995
MAXIMUM PEAK FLOW			466	Jun 17	**a**1690	Aug 19 1955
MAXIMUM PEAK STAGE			6.91	Jun 17	**b**9.22	Aug 19 1955
INSTANTANEOUS LOW FLOW			.58	Sep 7	.08	Sep 4 1995
ANNUAL RUNOFF (CFSM)	2.02		1.93		2.05	
ANNUAL RUNOFF (INCHES)	27.49		26.27		27.88	
10 PERCENT EXCEEDS	18		16		17	
50 PERCENT EXCEEDS	5.1		3.9		5.0	
90 PERCENT EXCEEDS	2.0		1.2		1.3	

a From rating curve extended above 320 ft^3/s on basis of computation of peak flow through orifice and over weir abutments at 676 ft^3/s and 1,690 ft^3/s.
b From high water marks.



01188000 BURLINGTON BROOK NEAR BURLINGTON, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1968 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1971 to January 1972.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 23.5°C July 27, Aug. 9, 1971; minimum, 0.0°C on many days during winter periods.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
03...	0915	1.9	105	7.6	16.5	12.0	2.2	10.5	101	40	9k	22	5.56
JAN													
05...	1130	3.0	107	7.8	-1.0	.5	1.4	14.0	101	2k	3k	20	4.80
APR													
24...	0840	7.9	90	7.4	20.0	15.0	1.6	9.3	98	10k	8k	16	4.04
JUL													
05...	1415	4.8	98	7.4	20.5	20.5	3.4	8.3	95	72k	15k	19	4.91

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
03...	2.00	9.7	1.44	.0	22	18	6.2	14.2	<.1	10.4	66	62	<.010
JAN													
05...	1.96	8.9	1.03	.0	15	12	6.8	13.8	<.2	10.8	65	65	E.003
APR													
24...	1.53	8.8	.91	.0	13	11	6.5	13.8	2.7	6.5	62	64	<.006
JUL													
05...	1.75	10.4	1.15	.0	16	13	4.9	15.2	<.2	9.7	71	78	.008

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
03...	.186	.167	.12	.28	.25	.47	E.006	<.006	<.010	8	E.03	8.9	<.06
JAN													
05...	.246	.180	.10	.28	.27	.53	.005	<.006	<.018	16	.06	9.1	<.06
APR													
24...	.085	.069	.16	.23	.20	.32	.010	E.003	<.018	21	.07	10.2	<.06
JUL													
05...	.163	.103	.23	.33	.23	.50	.013	.006	<.020	18	E.02	8.9	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
03...	<.04	<.8	.14	.2	230	E.07	146	E.2	.67	<1.0	1	<.02	1.9
JAN													
05...	E.02	<.8	.37	.3	250	E.07	221	E.1	.44	<1.0	3	<.02	2.1
APR													
24...	<.000	<.8	.25	.7	150	.11	123	E.1	.50	<1.0	8	<.02	2.8
JUL													
05...	E.02	<.8	.18	.3	480	.29	140	E.2	.48	<1.0	2	E.01	3.2

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01188090 FARMINGTON RIVER AT UNIONVILLE, CT

LOCATION.--Lat 41°45'2", long 72°53'14", Hartford County, Hydrologic Unit 01080207, at right bank upstream from steel truss highway bridge on State Route 177 at Unionville, 4.1 mi downstream from Burlington Brook and 3.0 mi upstream from Pequabuck River.
DRAINAGE AREA.--378 mi^2.

WATER DISCHARGE RECORDS

PERIOD OR RECORD.--October 1977 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 178.20 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch, and Nepaug Reservoirs, and by diversion for municipal supply from Barkhamsted and Nepaug Reservoirs.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955 reached a stage of 32.9 ft from floodmark, discharge, 140,000 ft^3/s, by slope-area measurement 3.8 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,390 ft^3/s, Mar. 30, gage height, 9.43 ft; minimum discharge, 104 ft^3/s, Sep. 19, 20, gage height, 4.38 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	481	300	378	509	425	360	2180	425	634	356	337	354
2	414	331	347	535	377	e330	1710	362	900	343	335	350
3	348	336	320	544	349	e315	1520	403	1390	234	335	348
4	339	333	e315	549	343	e300	1570	365	1580	208	367	354
5	331	331	e310	553	318	e320	1720	317	1900	231	391	353
6	386	325	e305	536	413	e315	2000	302	1410	215	365	324
7	404	294	e300	526	368	e310	2380	290	811	202	362	139
8	372	291	e295	441	340	e305	2520	268	743	202	381	206
9	354	282	e290	311	314	311	2580	262	511	199	362	219
10	409	488	e285	300	396	331	3550	277	478	173	371	254
11	534	686	e280	e295	428	323	3120	240	396	383	375	260
12	535	547	199	e290	e390	321	2870	233	416	382	381	225
13	535	434	173	e285	e360	432	2660	248	393	384	433	131
14	563	383	232	e280	e340	514	2430	245	397	375	403	138
15	541	468	238	e275	e320	524	2030	160	383	366	410	148
16	553	408	228	e270	e340	613	1800	161	336	362	382	131
17	593	366	1500	e265	e335	668	2000	165	1300	363	371	120
18	620	303	2050	e262	e330	745	2290	165	1350	366	373	114
19	705	281	1040	e260	e325	714	2230	162	931	361	366	107
20	481	280	714	e258	e320	762	1780	160	770	358	368	114
21	440	358	559	e256	e310	846	966	157	643	348	375	548
22	419	354	512	e254	e300	3140	989	230	644	345	366	437
23	435	347	468	e252	e297	2600	979	634	619	338	364	268
24	454	342	408	e250	e294	1760	1660	826	761	346	358	203
25	456	334	385	e248	e292	1400	1350	732	650	371	353	292
26	392	390	463	e246	507	1150	810	792	584	377	355	487
27	260	474	534	e244	450	1000	722	1400	485	353	354	282
28	248	405	472	e243	405	902	698	1150	384	355	354	222
29	235	388	451	e242	---	862	672	1050	334	313	354	275
30	215	402	482	e241	---	2580	599	991	325	255	344	261
31	285	---	506	424	---	3120	---	736	---	340	353	---
TOTAL	13337	11261	15039	10444	9986	28173	54385	13908	22458	9804	11398	7664
MEAN	430	375	485	337	357	909	1813	449	749	316	368	255
MAX	705	686	2050	553	507	3140	3550	1400	1900	384	433	548
MIN	215	280	173	241	292	300	599	157	325	173	335	107

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

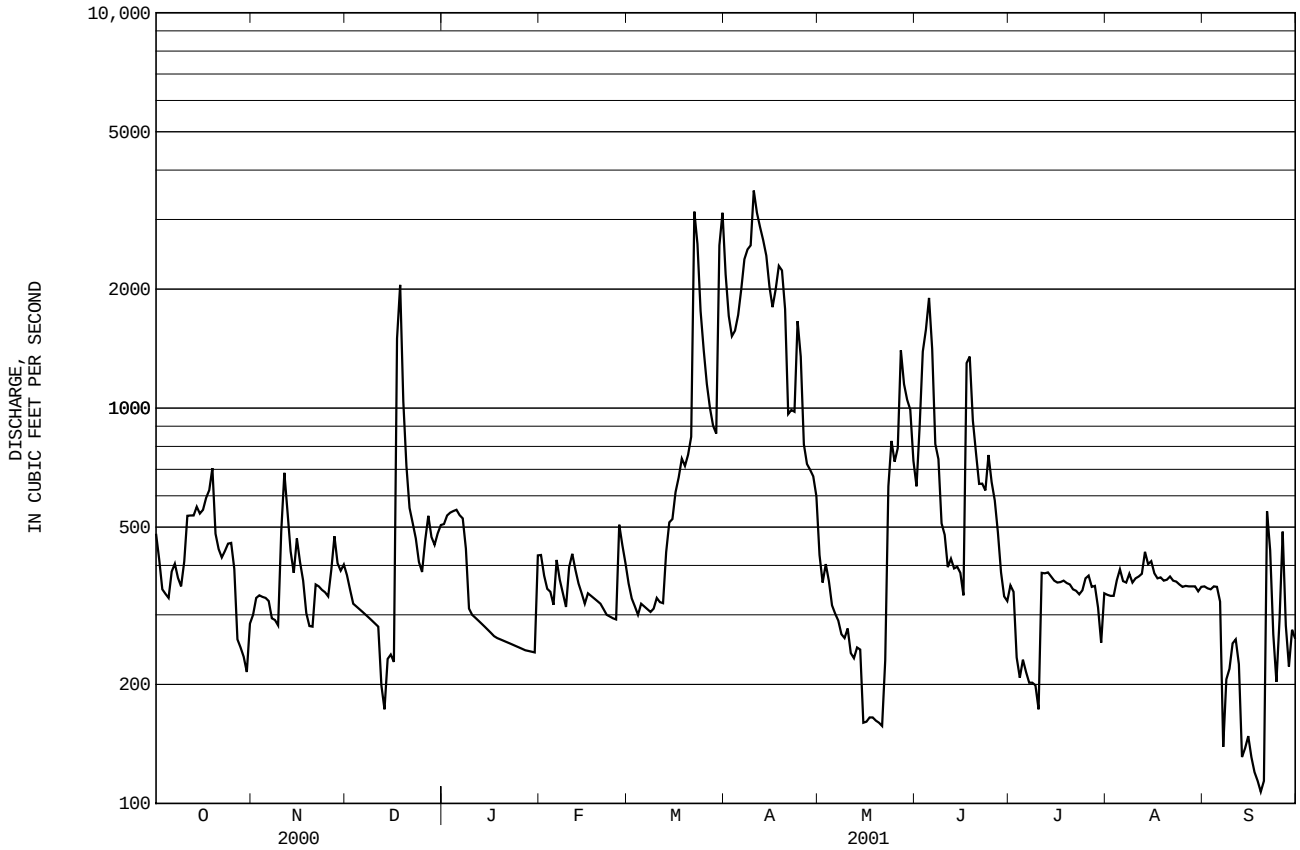
MEAN	475	594	628	676	657	1001	1298	818	699	369	426	396
MAX	1211	1172	2031	1661	1162	1907	2902	1902	2149	717	763	595
(WY)	1997	1997	1997	1978	1996	1983	1983	1989	1982	2000	1990	1999
MIN	175	214	207	135	201	289	269	238	183	159	204	173
(WY)	1981	1985	1981	1981	1980	1989	1985	1985	1985	1985	1995	1995

e Estimated.

01188090 FARMINGTON RIVER AT UNIONVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1978 - 2001	
ANNUAL TOTAL	238524		207857			
ANNUAL MEAN	652		569		669	
HIGHEST ANNUAL MEAN					954	1984
LOWEST ANNUAL MEAN					287	1985
HIGHEST DAILY MEAN	4290	Jun 7	3550	Apr 10	13600	Mar 22 1980
LOWEST DAILY MEAN	173	Dec 13	107	Sep 19	79	Sep 15 1995
ANNUAL SEVEN-DAY MINIMUM	234	Dec 10	125	Sep 14	113	Sep 11 1995
MAXIMUM PEAK FLOW			4390	Mar 30	20300	Mar 23 1980
MAXIMUM PEAK STAGE			9.43	Mar 30	16.57	Mar 23 1980
INSTANTANEOUS LOW FLOW			**a**104	Sep 19	66	Jul 10 1985
10 PERCENT EXCEEDS	1140		1320		1320	
50 PERCENT EXCEEDS	506		366		473	
90 PERCENT EXCEEDS	307		235		220	

a Also occurred on Sep. 20.



01188090 FARMINGTON RIVER AT UNIONVILLE, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-80, 1984 to present.
REMARKS.--Water-quality records for this site published under station 01188085 from water year 1984 to water year 1990.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
18...	1040	588	74	7.5	10.0	12.5	1.2	10.2	94	9k	14k	17	4.44
JAN													
05...	1530	540	96	7.3	-1.0	.5	1.1	14.4	101	80	25k	22	5.80
APR													
26...	0940	858	90	7.4	14.0	8.5	.6	12.6	106	6k	3k	19	5.06
JUL													
19...	0930	362	103	8.0	20.0	17.0	.4	10.4	108	37	37	21	5.67

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
18...	1.34	6.7	.84	.0	11	9	5.0	9.2	<.2	4.0	47	51	<.006
JAN													
05...	1.86	8.1	.89	.0	17	14	5.7	12.1	<.2	5.6	59	62	E.003
APR													
26...	1.53	9.6	.85	.0	11	9	6.3	16.2	<.2	5.3	75	78	E.003
JUL													
19...	1.70	11.4	.92	.0	15	12	5.4	18.0	<.2	4.7	59	66	E.005

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
18...	.111	<.041	.18	.19	.29	.014	<.006	<.018	8	.06	11.8	.09	<.04
JAN													
05...	.206	<.041	.16	.19	.37	.012	.007	<.018	17	.09	12.7	<.06	<.04
APR													
26...	.145	<.041	.18	E.09	.33	.009	E.004	<.018	28	E.04	13.5	<.06	<.04
JUL													
19...	.193	<.040	.20	.13	.40	.016	.006	<.020	22	E.04	15.0	<.06	<.04

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
18...	E.5	.04	.5	70	E.06	9.1	<.2	.34	<1.0	<1	E.01	3.5
JAN												
05...	<.8	.04	.7	100	.12	13.4	E.1	.27	<1.0	2	.02	4.1
APR												
26...	<.8	.05	.5	70	.09	16.6	<.2	<.06	<1.0	2	E.01	3.4
JUL												
19...	<.8	.03	.7	80	.10	6.3	<.2	.13	<1.0	<1	.02	3.0

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01189000 PEQUABUCK RIVER AT FORESTVILLE, CT

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, Hydrologic Unit 01080207, on left bank 500 ft upstream from bridge on Central Street, 0.2 mi downstream from Copper Mine Brook, and 6.5 mi upstream from mouth.
DRAINAGE AREA.--45.8 mi^2.
PERIOD OF RECORD.--Discharge: July 1941 to current year. Water-quality records: Water years 1956, 1960, 1971-72.
REVISED RECORDS.--WSP 971: 1941-42. WSP 1111: 1947. WSP 1901: 1959-60. WDR-CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 197.72 ft above sea level.
REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Whigville Reservoir and mills upstream. Diversion for municipal supply of City of New Britain from Whigville Reservoir, Whites Bridge wells, and Copper Mine Brook.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1938 reached a stage of about 7.3 ft, from floodmarks, discharge, 3,800 ft^3/s, on basis of slope-area measurement of peak flow and computation of peak flow over dam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	0545	*1,240	*4.31	Mar 30	1845	1,120	4.12

Minimum discharge, 18 ft^3/s, Sep. 13, gage height, 1.16 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	31	27	e51	e37	69	58	332	66	75	49	24	32
2	31	31	e44	e36	60	55	268	64	192	47	24	23
3	31	28	e40	e35	e53	51	235	61	178	41	24	23
4	33	27	e37	e35	e49	46	232	59	139	41	27	33
5	31	27	e36	e35	46	50	222	59	112	76	25	24
6	37	27	e34	e34	56	59	229	56	94	47	24	22
7	32	26	e33	e34	46	56	238	55	84	40	23	22
8	29	27	e33	e34	36	48	266	54	69	48	22	22
9	28	28	e32	e34	38	46	226	54	63	47	22	21
10	29	161	e32	e34	75	61	216	52	59	40	25	23
11	31	153	e31	e33	51	58	163	49	76	40	22	22
12	33	64	e42	e33	39	61	216	50	131	37	40	21
13	28	46	e40	e33	e36	146	200	46	78	36	140	21
14	26	56	e43	e34	e35	106	173	45	67	34	42	69
15	25	64	e47	e37	43	99	156	43	61	33	29	27
16	26	45	e42	e37	46	116	141	42	56	33	26	24
17	25	39	e410	36	54	137	120	42	306	38	36	23
18	57	37	e240	35	42	140	117	42	289	35	28	22
19	55	35	e135	61	38	125	104	42	149	32	25	23
20	34	34	e70	62	41	136	99	39	124	31	33	44
21	28	35	e56	49	47	193	97	39	120	29	30	179
22	26	32	e50	43	39	984	102	111	104	28	26	48
23	26	30	e47	e40	43	516	94	310	89	28	27	35
24	27	28	e46	e38	39	327	92	239	94	27	27	31
25	26	28	e44	e37	94	284	90	167	78	26	24	76
26	25	83	e42	e35	123	246	82	177	63	33	23	40
27	26	65	e41	e33	82	201	79	284	58	28	22	32
28	26	e58	e40	e32	67	184	75	161	54	26	27	40
29	26	e47	e39	32	---	182	71	127	50	25	25	41
30	25	e49	e38	80	---	742	69	104	47	25	24	31
31	27	---	e37	82	---	555	---	86	---	25	53	---
TOTAL	940	1437	1952	1250	1487	6068	4804	2825	3159	1125	969	1094
MEAN	30.3	47.9	63.0	40.3	53.1	196	160	91.1	105	36.3	31.3	36.5
MAX	57	161	410	82	123	984	332	310	306	76	140	179
MIN	25	26	31	32	35	46	69	39	47	25	22	21

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

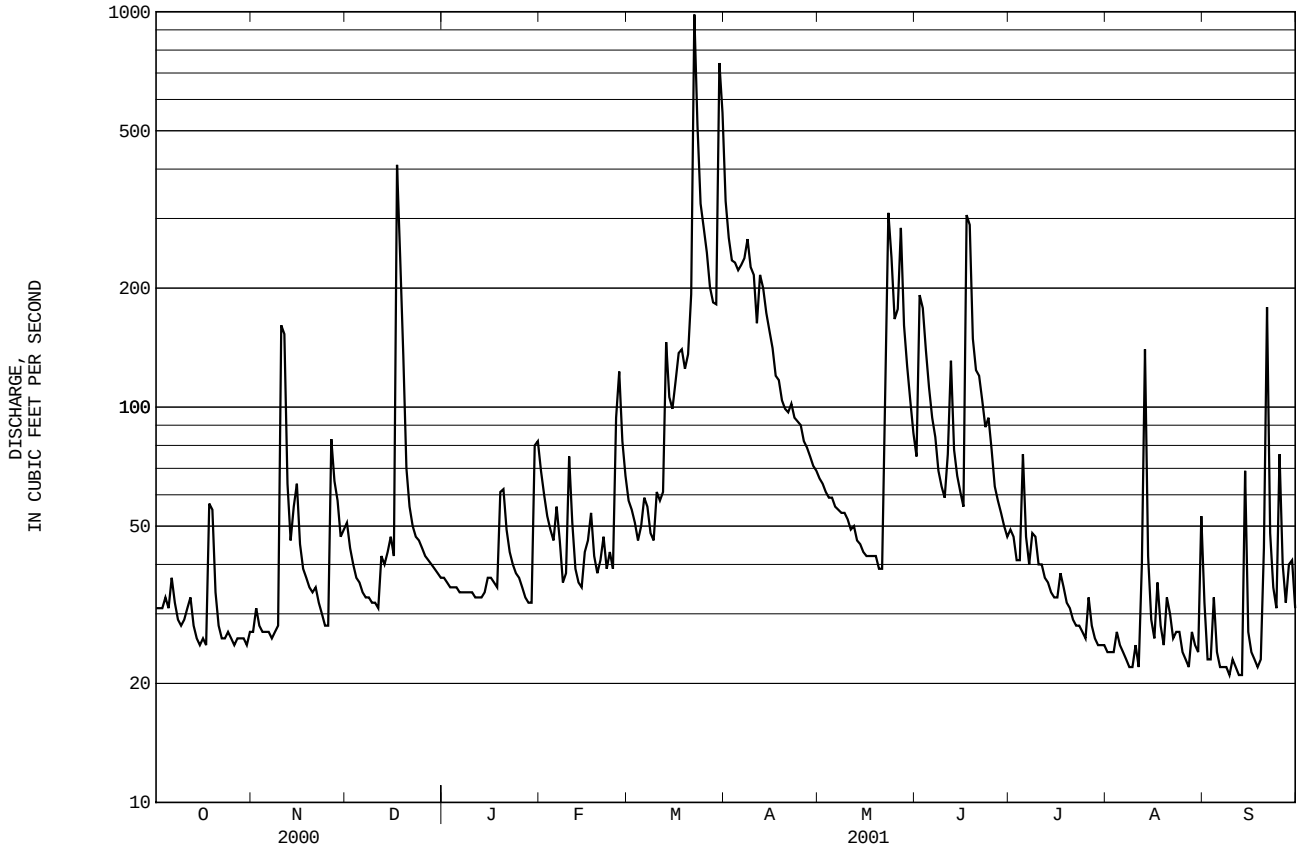
MEAN	50.7	69.5	82.6	87.3	93.3	147	144	101	69.4	42.6	42.9	40.6
MAX	372	303	247	232	214	391	463	396	368	99.4	356	167
(WY)	1956	1956	1997	1979	1951	1983	1983	1989	1982	1972	1955	1975
MIN	11.6	17.4	18.5	11.7	32.1	39.9	26.5	27.0	22.1	18.7	14.7	14.8
(WY)	1942	1950	1981	1981	1980	1985	1985	1965	1957	1957	1944	1986

e Estimated.

01189000 PEQUABUCK RIVER AT FORESTVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1942 - 2001	
ANNUAL TOTAL	29438		27110			
ANNUAL MEAN	80.4		74.3		80.9	
HIGHEST ANNUAL MEAN					136	1984
LOWEST ANNUAL MEAN					29.9	1965
HIGHEST DAILY MEAN	534	Jun 7	984	Mar 22	6500	Aug 19 1955
LOWEST DAILY MEAN	25	Oct 15	21	Sep 9	7.0	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	26	Oct 24	22	Sep 7	9.2	Oct 20 1941
MAXIMUM PEAK FLOW			1240	Mar 22	**a**11700	Aug 19 1955
MAXIMUM PEAK STAGE			4.31	Mar 22	**b**13.22	Aug 19 1955
INSTANTANEOUS LOW FLOW			18	Sep 13	**c**6.5	Sep 21 1941
10 PERCENT EXCEEDS	157		165		161	
50 PERCENT EXCEEDS	64		42		50	
90 PERCENT EXCEEDS	31		25		20	

a From rating curve extended above 2,100 ft^3/s on basis of slope-area measurement at gage height of 7.3 and 13.22 ft.
b From high water mark in gage well.
c Also occurred on Sep. 22, 1941.



01189030 PEQUABUCK RIVER AT FARMINGTON, CT

LOCATION.--Lat 41°43'00", long 72°50'25", Hartford County, Hydrologic Unit 01080207, at bridge on Meadow Rd. at Farmington, and 0.2 mi upstream from Farmington River.
DRAINAGE AREA.--57.2 mi^2.
PERIOD OF RECORD.--Water years 1971, 1974 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
03...	1145	40	302	7.3	23.0	15.0	3.4	8.3	83	40	51	69	20.9
DEC													
13...	1005	45	359	7.4	-4.0	1.5	13	11.3	78	3000	296k	65	19.7
FEB													
27...	0950	123	291	7.2	4.0	1.5	12	11.8	84	720	940	45	13.6
APR													
24...	1120	112	239	7.4	30.0	17.0	2.7	8.8	93	36	9k	57	17.0
JUN													
18...	1320	714	91	6.0	27.5	21.0	7.2	5.4	61	--	--	23	6.62
JUL													
05...	0930	104	185	7.2	26.5	20.5	15	6.0	67	11000k	19700k	43	13.1
AUG													
02...	0815	--	523	7.4	29.5	21.0	1.2	6.1	69	88	224	82	25.0
SEP													
18...	0925	27	392	7.4	18.0	16.5	2.8	7.2	74	210	184	75	22.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
03...	4.12	28.8	4.70	.0	59	48	16.5	36.7	.2	11.2	183	182	.191
DEC													
13...	3.85	36.8	5.16	.0	73	60	17.8	53.6	.3	12.2	216	216	.023
FEB													
27...	2.76	30.3	2.57	.0	40	33	11.3	51.0	E.1	8.4	145	152	.024
APR													
24...	3.43	21.2	2.92	.0	40	33	12.8	33.9	E.1	6.9	150	148	.170
JUN													
18...	1.47	8.3	1.49	.0	18	15	5.8	11.3	<.2	5.9	73	74	.016
JUL													
05...	2.52	17.2	3.04	.0	35	29	9.8	24.3	E.1	6.3	124	148	.094
AUG													
02...	4.88	64.4	9.73	.0	65	53	43.6	74.0	.5	10.2	311	300	.042
SEP													
18...	4.62	42.9	5.51	.0	73	61	22.2	53.0	.4	10.9	224	218	.056

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
03...	5.35	.161	.71	.87	.60	6.2	.765	.635	.602	8	.13	38.9	<.06
DEC													
13...	2.09	3.32	.83	4.1	3.9	6.2	.738	.567	.527	6	.14	41.2	<.06
FEB													
27...	1.28	1.33	.59	1.9	1.6	3.2	.356	.216	.188	10	.10	35.8	<.06
APR													
24...	1.92	.255	.45	.71	.54	2.6	.345	.257	.225	10	.13	43.3	<.06
JUN													
18...	.413	E.025	--	.60	.39	1.0	.165	.094	.072	27	.13	22.1	<.06
JUL													
05...	1.98	.091	.89	.98	.55	3.0	.440	.259	.217	9	.27	32.5	<.06
AUG													
02...	6.37	E.026	--	.93	.89	7.3	.985	.947	.925	7	.23	59.0	<.06
SEP													
18...	5.20	.073	.69	.77	.62	6.0	1.04	1.03	.967	5	.23	46.2	<.06

01189030 PEQUABUCK RIVER AT FARMINGTON, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
03...	.43	E.6	.17	8.4	150	.32	56.3	1.4	8.02	<1.0	15	.09	4.4
DEC													
13...	.28	1.6	.27	6.8	170	.53	153	2.0	8.36	<1.0	19	.17	6.2
FEB													
27...	.70	<.8	.24	5.7	160	.37	159	.8	4.76	<1.0	24	.08	5.2
APR													
24...	.46	E.7	.18	6.9	130	.38	71.3	1.0	3.70	<1.0	26	.08	3.6
JUN													
18...	.61	1.1	.09	10.4	150	.46	16.9	.4	2.95	<1.0	20	.04	8.5
JUL													
05...	.47	E.7	.09	8.7	120	.75	41.8	.8	2.64	<1.0	13	.04	7.1
AUG													
02...	.82	1.1	.38	14.0	80	.38	45.4	6.9	8.24	<1.0	20	.09	6.2
SEP													
18...	.49	E.6	.16	10.5	70	.24	59.7	2.6	5.38	<1.0	19	.12	5.7

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, Hydrologic Unit 01080207, on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mi downstream from bridge on State Route 189 and 5.5 mi upstream from gage at Rainbow.
DRAINAGE AREA.--577 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1913 to August 1928 furnished by Farmington River Power Company. August 1928 to September 1939, October 1971 to current year.
REVISED RECORDS.--WSP 851: 1936. WSP 1301: 1937-39 (revised records published are included with those for "Farmington River at Rainbow, Conn."). WDR CT-76-1: 1972-75. WDR CT-80-1: Drainage area.
GAGE.--Water-stage recorder August 1928 to September 1939 and October 1971 to current year. January 1913 to August 1928, staff gage on forebay of dam of Hartford Electric Light Co. Datum of gage is 130.21 ft above sea level. Telephone telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,040 ft^3/s, Mar. 23, gage height, 6.52 ft; minimum discharge, 206 ft^3/s, Sep. 19, 20, gage height, 0.85 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	642	410	658	649	e450	689	5150	883	1070	649	447	476
2	633	418	593	667	e500	641	3750	750	1330	620	445	437
3	528	451	535	674	e470	606	2920	722	2190	536	437	417
4	492	449	499	673	e450	573	2690	718	2200	439	459	408
5	480	442	e470	673	e430	570	2730	647	2420	473	514	420
6	525	439	e450	673	523	598	2960	599	2310	476	496	407
7	591	427	e435	673	718	625	3440	578	1520	431	465	346
8	552	413	e430	601	621	599	3670	545	1210	412	473	238
9	508	401	e425	509	611	558	3830	526	1020	425	449	284
10	485	582	448	483	604	593	4290	517	846	401	464	300
11	610	1090	467	481	735	617	4530	515	769	426	472	365
12	670	1020	457	e450	633	617	4200	472	879	566	478	334
13	673	768	372	e430	656	786	3970	495	869	555	620	291
14	666	642	369	e410	609	1060	3630	474	726	551	747	269
15	694	729	435	e390	562	1020	3170	447	724	534	620	319
16	675	711	417	e370	547	1090	2680	383	638	521	550	269
17	708	637	1120	e355	e525	1230	2550	388	1680	522	494	237
18	732	565	3520	e335	e520	1420	2780	383	3000	541	494	221
19	945	497	2350	307	514	1430	2880	382	2200	520	479	210
20	805	467	1460	e298	515	1440	2750	372	1510	508	463	212
21	640	487	1060	e295	530	1560	1860	360	1370	495	495	517
22	583	528	922	e290	512	4560	1500	466	1140	485	475	977
23	556	517	804	e287	502	5860	1630	1110	1150	475	453	581
24	590	505	749	e285	503	4810	2010	2130	1160	471	454	391
25	592	489	702	e280	509	3470	2090	2020	1140	489	436	402
26	597	535	761	e278	817	2670	1500	1750	1020	512	430	629
27	467	826	812	e275	896	2210	1200	2830	883	503	428	558
28	396	749	686	e273	785	1930	1130	2430	771	477	429	399
29	374	640	676	e270	---	1770	1070	1900	640	464	440	374
30	361	640	588	e320	---	3180	1030	1650	608	400	426	398
31	359	---	595	e360	---	5770	---	1390	---	402	423	---
TOTAL	18129	17474	24265	13314	16247	54552	83590	28832	38993	15279	14955	11686
MEAN	585	582	783	429	580	1760	2786	930	1300	493	482	390
MAX	945	1090	3520	674	896	5860	5150	2830	3000	649	747	977
MIN	359	401	369	270	430	558	1030	360	608	400	423	210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

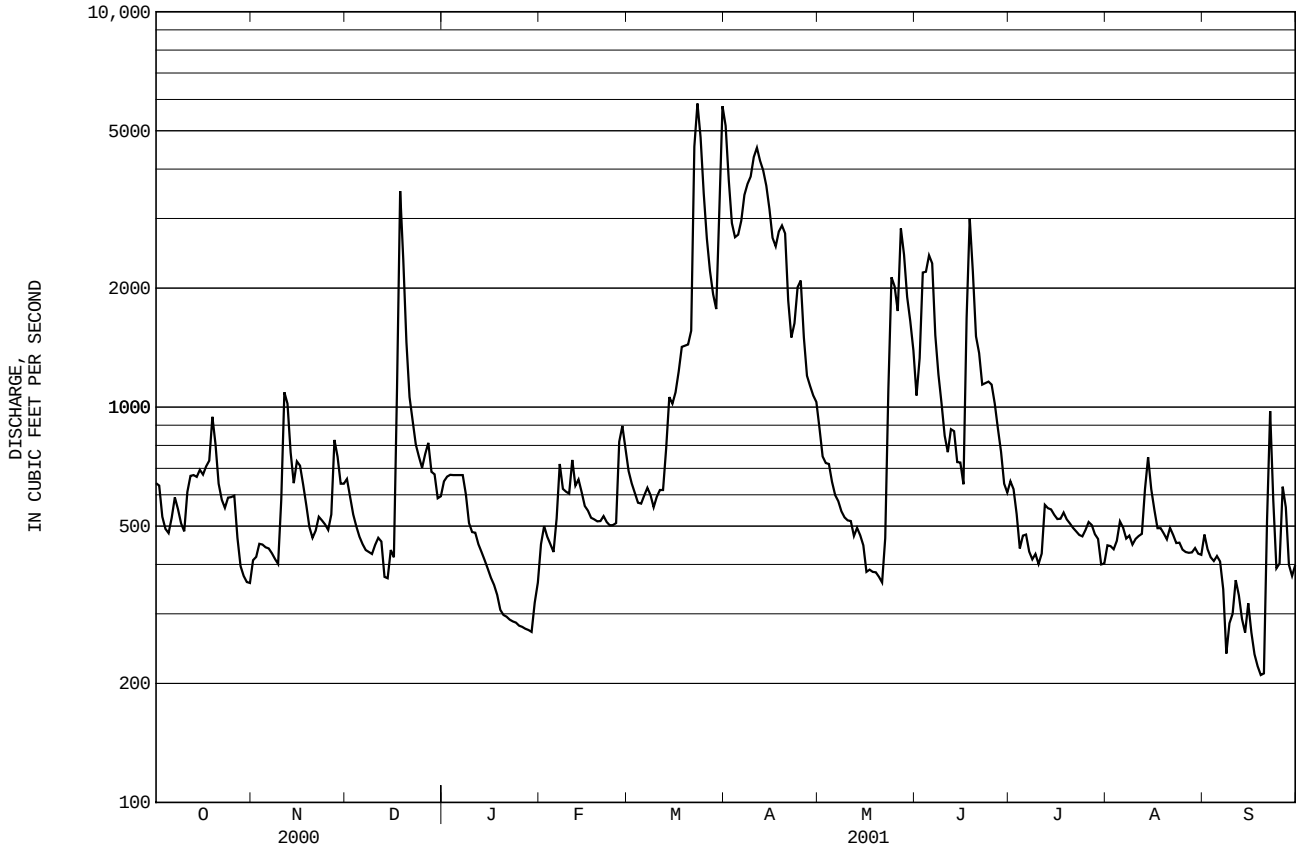
MEAN	815	995	1184	1219	1254	1865	2178	1466	1180	703	665	681
MAX	2233	1985	3287	2886	2790	3378	4721	3329	3647	2398	1285	1794
(WY)	1976	1996	1997	1978	1976	1983	1983	1989	1982	1972	1990	1975
MIN	253	351	287	140	366	627	475	470	355	306	358	272
(WY)	1981	1985	1981	1981	1980	1985	1985	1985	1985	1985	1999	1995

e Estimated.

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1972 - 2001	
ANNUAL TOTAL	397778		337316			
ANNUAL MEAN	1087		924		1182	
HIGHEST ANNUAL MEAN					1637	1972
LOWEST ANNUAL MEAN					451	1985
HIGHEST DAILY MEAN	5450	Jun 8	5860	Mar 23	14200	Mar 23 1980
LOWEST DAILY MEAN	359	Oct 31	210	Sep 19	128	Feb 7 1985
ANNUAL SEVEN-DAY MINIMUM	396	Oct 28	248	Sep 14	131	Jan 19 1981
MAXIMUM PEAK FLOW			6040	Mar 23	**a**29900	Sep 22 1938
MAXIMUM PEAK STAGE			6.52	Mar 23	**b**14.00	Sep 22 1938
INSTANTANEOUS LOW FLOW			**d**206	Sep 19	**c**	
10 PERCENT EXCEEDS	2040		2200		2400	
50 PERCENT EXCEEDS	792		562		805	
90 PERCENT EXCEEDS	496		373		389	

a From computation of flow over dam 0.6 mi downstream.
b From floodmarks.
c Probably less than 30 ft^3/s Mar. 1, 1938, river below intake.
d Also occurred Sep. 20.



01189995 FARMINGTON RIVER AT TARIFFVILLE, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1971 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1971 to January 1972.
WATER TEMPERATURES: January 1971 to January 1972.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 285 microsiemens Feb. 16, 1971; minimum recorded, 70 microsiemens May 14, 15, 1971.
WATER TEMPERATURES: Maximum, 26.5°C June 25, 27, 1971; minimum, 0.0°C on many days during winter period in 1971.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
18...	0900	716	105	7.3	8.5	12.5	1.7	10.0	93	1600	92	25	7.26
DEC													
13...	1435	354	160	7.3	.0	1.5	1.4	13.3	93	290k	32	42	12.8
FEB													
05...	1140	530	220	7.6	2.0	.5	1.8	14.3	99	880	208	42	12.5
APR													
26...	1220	1460	121	7.4	15.5	10.5	1.9	11.5	103	96	48	30	8.80
JUN													
18...	1000	3110	89	7.0	24.5	19.0	17	7.5	82	--	--	21	5.90
JUL													
19...	1300	513	146	7.5	24.5	20.5	1.4	8.8	98	49	68	36	10.7
AUG													
02...	1245	444	154	7.5	32.5	22.5	.6	8.7	101	49	10k	34	10.0
SEP													
18...	1250	219	194	7.6	25.0	18.5	1.2	9.3	100	35	56	43	13.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
18...	1.66	8.5	1.34	.0	21	17	6.7	11.8	<.2	5.1	66	67	.006
DEC													
13...	2.55	12.5	1.70	.0	35	29	9.0	19.0	<.2	6.7	89	95	.008
FEB													
05...	2.61	22.2	1.74	.0	33	27	9.2	36.5	<.2	8.5	131	140	.010
APR													
26...	1.94	11.5	1.10	.0	20	16	7.7	19.5	<.2	5.8	89	98	.016
JUN													
18...	1.46	8.1	1.28	.0	31	25	4.9	12.4	<.2	5.2	69	102	.010
JUL													
19...	2.24	14.6	1.53	.0	24	20	7.8	21.6	<.2	5.5	86	90	.008
AUG													
02...	2.22	13.9	1.60	.0	27	22	9.3	22.6	<.2	4.3	93	80	.014
SEP													
18...	2.50	17.6	2.31	.0	39	32	11.2	24.4	<.2	5.1	103	94	.013

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
18...	.697	.068	.22	.28	<.10	.98	.122	.086	.074	6	.08	20.8	.09
DEC													
13...	.890	.396	.32	.72	.59	1.6	.115	.101	.082	9	E.03	31.3	<.06
FEB													
05...	.905	.414	.27	.69	.63	1.6	.120	.100	.096	12	<.05	32.4	<.06
APR													
26...	.430	.042	.25	.29	.19	.72	.052	.031	E.017	19	E.04	25.6	<.06
JUN													
18...	.289	E.039	--	.70	.38	.99	.163	.056	.037	37	.09	21.8	<.06
JUL													
19...	.888	.073	.27	.35	.28	1.2	.130	.107	.091	11	.06	30.3	<.06
AUG													
02...	.871	.042	.30	.35	.26	1.2	.139	.117	.102	11	.06	27.8	<.06
SEP													
18...	1.56	.057	.28	.34	.28	1.9	.213	.202	.185	7	.09	37.4	<.06

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
18...	.05	E.4	.05	1.4	80	.11	12.3	.2	.73	<1.0	2	.03	3.6
DEC													
13...	.08	E.6	.08	2.2	130	.21	33.1	.3	1.20	<1.0	5	.06	3.5
FEB													
05...	.07	<.8	.08	2.0	130	.16	50.4	E.2	1.49	<1.0	6	<.02	2.9
APR													
26...	.07	<.8	.07	1.2	90	.11	29.4	E.2	.14	<1.0	3	.03	3.5
JUN													
18...	.14	<.8	.06	3.9	170	.41	23.7	.2	1.10	<1.0	5	.04	7.5
JUL													
19...	.08	E.7	.05	1.7	100	.14	24.4	.5	.39	<1.0	3	.04	3.1
AUG													
02...	.08	<.8	.06	2.1	80	.13	23.6	.6	.50	<1.0	3	.03	4.0
SEP													
18...	.08	E.5	.06	2.6	90	.09	38.9	1.0	.84	<1.0	3	.05	3.4

01190070 CONNECTICUT RIVER AT HARTFORD, CT

LOCATION.--Lat 41°46'10", long 72°40'04", Hartford County, Hydrologic Unit 01080205, at Bulkeley Memorial Bridge on U.S. Highway 84, at Hartford, 1.5 mi downstream from Podunk River and 1.2 mi upstream from Hockanum River.
DRAINAGE AREA.--10,487 mi^2.

WATER-STAGE RECORD

PERIOD OF RECORD.--January 1905 to current year.
REVISED RECORDS.-- WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to water year 2001, datum of gage was 10 ft below sea level. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--Records prior to 1973 available at the River Forecast Center, NOAA, Taunton Mass. Records good. Tidal effect, at times of high freshwater inflow, is eliminated. Stage data in feet at 15-minute intervals available upon request. Current stage data are converted to the Hartford datum by subtracting 0.55 ft. Stage data collected in previous water years are converted to National Geodetic Datum of 1929 (NGVD of 1929) elevation by subtracting 10 ft or to the Hartford datum by subtracting 9.45 ft.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 313,000 ft^3/s, Mar. 20, 1936; maximum elevation, 37.05 ft, Mar. 21, 1936; minimum tidal elevation (1973-95), -0.91 ft, Aug. 12, 1974.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100,000 ft^3/s, Apr. 29, elevation, 20.29 ft; minimum tidal elevation, 0.12 ft, Sep. 9.

ELEVATIONS, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001[a]

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Maximum high tide	Elevation	4.10	5.10	16.70	5.92	4.07	9.49	20.29	16.14	12.33	3.92	3.33	3.88
	Date	27	10	19	5	10	23	26	1	5	19	21	30
	Time	1430	1330	2300	2315	0400	1300	0930	0015	0615	0030	1645	1345
Minimum high tide	Elevation	0.71	0.68	0.30	1.42	1.22	1.18	4.30	1.88	0.93	0.31	0.21	0.12
	Date	11	6	13	22	22	12	5	19	30	28	24	9
	Time	0915	0530	1030	0900	1000	1315	2130	0800	0645	1645	1415	1345

a.Time shown is Eastern standard.

01190070 CONNECTICUT RIVER AT HARTFORD, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1976 to current year.

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

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
04...	1445	152	7.5	23.0	16.5	1.1	8.9	92	110	24	43	13.8	2.12
DEC													
21...	1030	86	7.5	-1.0	.5	50	13.4	92	140	1900k	23	7.38	1.07
FEB													
14...	1440	162	7.4	4.5	1.0	2.6	14.6	102	400	124	36	11.4	1.80
APR													
13...	1545	114	7.3	20.0	6.0	14	12.1	98	30k	36	28	8.94	1.34
JUN													
11...	1430	111	7.3	25.0	19.5	1.9	8.7	95	16k	28k	32	10.2	1.52
AUG													
10...	1330	152	7.4	31.0	29.0	1.4	6.4	84	21	8	39	12.3	2.00

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
04...	11.3	1.70	.0	39	32	9.2	16.4	<.2	4.8	88	87	.019	.524
DEC													
21...	5.9	1.23	.0	19	16	5.6	9.0	<.2	4.8	58	155	<.006	.292
FEB													
14...	13.5	1.41	.0	29	24	8.7	21.3	<.2	7.0	96	97	.007	.500
APR													
13...	8.9	1.03	.0	19	15	6.5	15.4	<.2	5.4	74	112	<.006	.243
JUN													
11...	8.4	1.15	.0	27	22	7.2	12.5	E.1	5.6	69	66	.006	.303
AUG													
10...	11.2	1.69	.0	34	28	9.6	18.4	E.1	3.6	84	74	.012	.365

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
04...	.026	.25	.27	.23	.80	.074	.053	.042	16	.06	16.3	<.06	<.04
DEC													
21...	.052	.44	.49	.17	.78	.159	.014	<.018	36	.15	8.9	<.06	<.04
FEB													
14...	.148	.21	.36	.26	.86	.040	.023	E.014	20	.05	16.3	<.06	<.04
APR													
13...	E.031	--	.29	.14	.53	.091	.009	<.018	21	.06	10.8	<.06	<.04
JUN													
11...	<.040	--	.25	.17	.56	.051	.033	.021	17	E.04	13.3	<.06	<.04
AUG													
10...	E.037	--	.30	.24	.67	.071	.056	.043	8	.07	17.7	<.06	<.04

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
04...	<.8	.09	1.8	120	.12	9.4	.4	1.20	<1.0	2	.06	3.6
DEC												
21...	<.8	.07	1.4	90	.19	12.8	E.1	.53	<1.0	1	.08	8.3
FEB												
14...	<.8	.09	1.2	110	.15	27.7	.3	.50	<1.0	2	.09	3.3
APR												
13...	<.8	.07	1.1	50	.10	15.6	<.2	.33	<1.0	2	.05	2.1
JUN												
11...	<.8	.05	1.2	70	.14	10.6	.2	.42	<1.0	2	.06	4.2
AUG												
10...	<.8	.04	1.1	20	E.05	7.4	.5	.27	<1.0	<1	.03	3.5

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT

LOCATION.--Lat 41°51'57", long 72°29'12", Hartford County, Hydrologic Unit 01080203, at bridge on State Highway 74 near Rockville.
DRAINAGE AREA.--25.5 mi^2.
PERIOD OF RECORD.--August 1968, March 1995 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
12...	0915	--	274	7.1	16.5	8.5	3.0	7.5	64	46	100	91	25.5
DEC													
07...	1045	11	192	7.1	1.0	.5	2.2	16.0	113	45	24	52	14.5
FEB													
07...	0950	10	479	7.0	4.0	.5	3.9	8.0	56	54	10k	91	25.5
APR													
25...	0945	52	153	7.3	10.5	10.5	2.3	10.3	93	38	50	39	10.6
JUN													
20...	0830	58	134	6.8	26.5	20.0	4.2	4.5	49	960	236	35	9.47
JUL													
23...	0930	12	166	7.2	29.5	20.5	2.2	6.5	73	300k	420	46	12.9
AUG													
20...	0920	13	176	6.8	21.5	21.5	2.5	3.4	39	520	1100	48	13.4
SEP													
17...	1215	9.9	168	6.9	24.0	16.0	1.8	8.1	83	100	95	43	11.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
12...	6.77	16.0	3.96	.0	73	60	18.7	30.1	E.1	10.4	172	174	.015
DEC													
07...	3.88	12.9	2.36	.0	37	30	13.3	21.8	<.2	7.5	105	104	.022
FEB													
07...	6.64	50.2	4.02	.0	73	60	18.1	87.8	<.2	10.4	257	261	.123
APR													
25...	2.93	12.7	2.04	.0	26	21	10.7	23.0	<.2	5.8	104	90	.011
JUN													
20...	2.80	10.4	2.45	.0	27	22	8.1	19.5	E.1	7.1	101	106	.014
JUL													
23...	3.40	14.2	1.59	.0	31	25	10.8	24.8	<.2	6.3	102	120	.013
AUG													
20...	3.59	13.0	1.99	.0	37	30	10.5	24.4	<.2	6.6	104	106	.007
SEP													
17...	3.18	13.2	1.72	.0	29	24	10.1	22.6	<.2	5.8	95	98	E.005

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
12...	1.02	.049	.30	.34	<.10	1.4	.090	.019	E.016	4	<.05	58.2	<.06
DEC													
07...	.902	.051	.27	.32	.25	1.2	E.051	.020	E.016	9	.07	36.5	<.06
FEB													
07...	1.91	.455	.54	1.00	.84	2.9	.144	.056	.045	12	.10	68.6	<.06
APR													
25...	.737	E.035	--	.50	.32	1.2	.077	.044	.032	26	.08	32.0	<.06
JUN													
20...	.314	.078	.64	.72	.57	1.0	.235	.124	.114	27	.10	30.7	<.06
JUL													
23...	.717	E.035	--	.39	.26	1.1	.100	.056	.043	7	.08	35.9	<.06
AUG													
20...	.467	E.028	--	.38	.30	.85	.125	.063	.048	5	.07	38.2	<.06
SEP													
17...	.708	E.040	--	.28	.25	.99	.046	.022	E.013	3	.10	37.6	<.06

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
12...	E.02	<.8	.26	3.3	100	.14	173	E.2	.77	<1.0	3	.15	4.2
DEC													
07...	<.04	<.8	.13	6.9	160	.26	50.8	E.1	.76	<1.0	4	.05	4.2
FEB													
07...	.06	<.8	.62	3.1	440	.30	408	.3	1.15	<1.0	7	.20	5.2
APR													
25...	E.02	E.4	.18	5.3	250	.46	76.5	E.2	.14	<1.0	5	.05	5.6
JUN													
20...	<.04	E.5	.29	4.3	720	.39	159	.3	.69	<1.0	4	.06	8.2
JUL													
23...	<.04	<.8	.10	3.0	200	.41	78.3	E.2	.19	<1.0	2	.04	4.9
AUG													
20...	<.04	<.8	.20	2.3	280	.23	175	.2	<.06	<1.0	2	<.02	4.9
SEP													
17...	<.04	<.8	.07	2.4	60	.13	85.7	E.2	<.06	<1.0	1	.03	3.9

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT

LOCATION.--Lat 41°46'59", long 72°35'16", Hartford County, Hydrologic Unit 01080205, on left bank at end of Preston Street, 0.2 mi upstream from bridge on Walnut Street, 1.5 mi downstream from Hop Brook, and 2.8 mi east of East Hartford.
DRAINAGE AREA.--73.4 mi^2.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--September 1919 to September 1921, July 1928 to September 1971. Annual maximum, water years 1972-76. October 1976 to current year.
GAGE.--Water-stage recorder. Datum of gage is 53.60 ft above sea level (revised). Prior to October 1, 1981, datum in error by +0.90 ft, original levels by Department of Engineering, City of Hartford. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Flow regulated by Shenipsit Lake, small reservoirs, and industrial facilities.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft^3/s, June 17, gage height, 7.31 ft; minimum discharge, 33 ft^3/s, Sep. 6, 8, 9, 10, gage height, 1.39 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	43	54	67	55	86	144	511	104	102	69	39	41
2	43	53	58	53	77	141	424	100	164	67	38	38
3	43	52	55	54	70	139	358	90	142	63	38	37
4	41	52	54	54	66	131	312	82	116	62	84	39
5	43	52	51	55	68	130	276	77	98	128	73	40
6	50	52	46	55	69	120	281	73	88	91	52	37
7	47	51	48	53	69	102	308	73	83	66	45	37
8	43	55	48	e56	65	87	332	72	81	65	41	36
9	42	51	46	59	70	91	291	71	77	65	40	36
10	42	160	46	54	142	105	269	70	75	63	53	45
11	43	123	50	53	106	101	225	68	100	64	44	52
12	42	78	52	53	79	104	245	69	174	58	43	40
13	41	68	48	51	76	239	221	68	77	55	250	41
14	40	85	68	52	73	188	192	65	67	54	127	105
15	39	105	44	64	86	162	179	66	62	53	70	64
16	42	73	45	63	85	171	173	64	59	52	52	45
17	45	66	185	61	104	185	167	64	647	57	56	42
18	50	61	205	60	77	217	161	63	494	55	57	40
19	56	59	110	83	73	195	153	64	176	51	46	38
20	67	56	93	90	75	186	149	60	151	49	103	38
21	83	54	76	70	81	204	146	60	265	47	76	131
22	77	54	71	61	72	876	152	84	155	46	50	63
23	106	53	66	59	72	562	143	106	135	45	44	47
24	63	51	63	60	68	364	141	140	133	45	43	43
25	45	51	61	57	104	282	132	191	126	44	41	82
26	43	82	58	55	163	235	124	201	115	52	39	53
27	46	87	59	55	133	221	120	231	109	50	42	44
28	50	66	59	54	138	214	116	146	103	43	52	42
29	50	60	57	52	---	208	113	127	91	42	47	41
30	51	75	59	98	---	645	110	124	76	41	40	39
31	55	---	58	110	---	733	---	108	---	40	42	---
TOTAL	1571	2039	2106	1909	2447	7482	6524	2981	4341	1782	1867	1476
MEAN	50.7	68.0	67.9	61.6	87.4	241	217	96.2	145	57.5	60.2	49.2
MAX	106	160	205	110	163	876	511	231	647	128	250	131
MIN	39	51	44	51	65	87	110	60	59	40	38	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2001, BY WATER YEAR (WY)

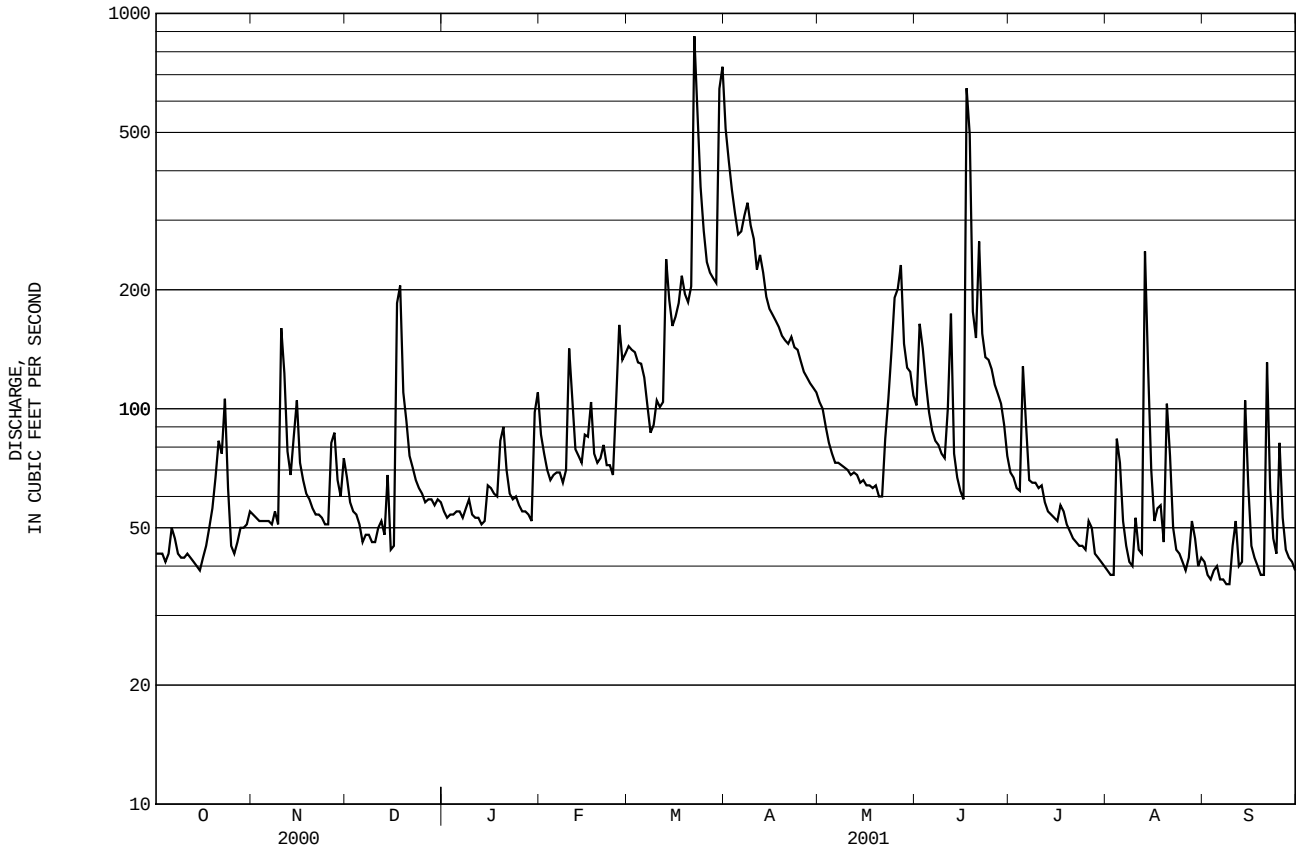
MEAN	72.4	93.2	112	130	141	198	194	140	109	74.0	71.6	71.0
MAX	284	381	352	368	371	406	430	262	448	200	289	518
(WY)	1956	1956	1997	1979	1970	1920	1983	1984	1982	1938	1955	1938
MIN	25.8	35.4	31.6	23.2	57.4	82.0	65.2	56.1	36.3	29.5	28.4	27.0
(WY)	1931	1965	1931	1981	1980	1985	1985	1965	1965	1965	1966	1957

e Estimated.

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1920 - 2001	
ANNUAL TOTAL	43552		36525			
ANNUAL MEAN	119		100		117	
HIGHEST ANNUAL MEAN					176	1938
LOWEST ANNUAL MEAN					55.8	1965
HIGHEST DAILY MEAN	1070	Apr 22	876	Mar 22	4300	Sep 21 1938
LOWEST DAILY MEAN	39	Oct 15	36	Sep 8	1.2	Sep 2 1920
ANNUAL SEVEN-DAY MINIMUM	41	Oct 9	37	Sep 3	13	Sep 2 1934
MAXIMUM PEAK FLOW			1180	Jun 17	**a**5160	Sep 21 1938
MAXIMUM PEAK STAGE			7.31	Jun 17	**b**13.78	Sep 21 1938
INSTANTANEOUS LOW FLOW			**d**33	Sep 6	**c**1.2	Sep 2 1920
10 PERCENT EXCEEDS	214		189		221	
50 PERCENT EXCEEDS	80		66		87	
90 PERCENT EXCEEDS	48		42		39	

a By computation of flow over dam just above gage.
b From floodmarks.
c Practically no flow at times caused by regulation.
d Also occurred Sep. 8-10.



01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-55, 1961-62, 1968-69 , October 1991 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
12...	1300	44	418	7.9	20.0	13.5	2.8	11.7	111	400	70	43	7.96
DEC													
07...	1445	49	425	7.7	.5	4.0	3.5	14.6	112	430k	143k	110	32.5
FEB													
07...	1330	66	563	7.6	5.5	5.0	2.9	12.3	96	120	89k	100	31.7
APR													
25...	1230	132	275	7.9	11.5	14.5	2.3	11.0	108	100k	55	64	19.6
JUN													
20...	1220	134	242	7.3	30.0	23.0	9.2	8.3	97	2700	300k	61	18.9
JUL													
23...	1400	46	382	8.4	30.5	25.0	2.1	9.2	112	460	59	100	32.4
AUG													
20...	1145	55	322	7.4	24.0	22.0	5.8	7.0	80	2000	1800k	85	26.9
SEP													
17...	0925	46	386	7.8	19.5	15.5	7.5	9.5	95	230	148	95	29.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
12...	5.69	37.8	5.88	.0	81	66	38.9	51.7	.3	10.2	262	261	.021
DEC													
07...	5.78	36.4	5.38	.0	76	62	34.9	50.4	.2	12.8	248	246	.029
FEB													
07...	5.48	62.6	4.87	.0	62	51	27.7	101	.2	11.2	318	314	.040
APR													
25...	3.68	25.9	2.99	.0	43	36	19.1	42.4	E.1	7.5	175	170	.035
JUN													
20...	3.44	21.1	3.28	.0	43	35	17.7	33.7	E.1	9.2	164	172	.022
JUL													
23...	5.15	36.7	4.21	2	73	64	30.3	54.4	.3	5.7	236	236	.017
AUG													
20...	4.19	27.6	3.47	.0	67	56	23.1	41.5	.2	6.7	185	196	.020
SEP													
17...	4.86	34.0	3.89	.0	79	66	31.3	50.4	E.1	5.8	209	215	.014

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
12...	5.43	.079	.75	.83	.77	6.3	.930	.883	.828	13	.13	75.9	<.06
DEC													
07...	5.35	.133	.73	.86	.69	6.2	.750	.627	.613	18	.30	75.3	<.06
FEB													
07...	5.24	.295	.71	1.0	.85	6.2	.564	.453	.422	19	.20	81.1	<.06
APR													
25...	2.13	.085	.65	.73	.41	2.9	.232	.163	.146	34	.17	59.1	<.06
JUN													
20...	1.58	.104	.74	.84	.59	2.4	.331	.220	.221	21	.20	54.9	<.06
JUL													
23...	3.55	E.027	--	.82	.55	4.4	.246	.212	.172	43	.20	70.2	<.06
AUG													
20...	2.38	.091	.58	.67	.48	3.0	.218	.156	.136	13	.32	70.3	<.06
SEP													
17...	2.61	.094	.71	.80	.54	3.4	.221	.145	.116	12	.34	84.7	<.06

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
12...	E.03	<.8	.21	4.4	70	.31	72.4	2.6	1.07	<1.0	38	.30	5.0
DEC													
07...	E.03	<.8	.28	5.1	90	.33	125	1.3	2.28	<1.0	57	.33	5.4
FEB													
07...	.06	E.4	.30	4.3	130	.34	192	1.0	1.36	<1.0	36	.31	5.2
APR													
25...	E.02	E.6	.24	3.6	160	.50	98.7	.7	.15	<1.0	13	.16	5.7
JUN													
20...	<.04	E.7	.17	3.9	220	.42	96.6	1.0	.72	<1.0	11	.13	11
JUL													
23...	.04	<.8	.26	3.4	100	.28	63.5	2.8	.44	<1.0	18	.29	6.3
AUG													
20...	E.02	<.8	.16	3.2	110	.38	112	4.4	.07	<1.0	14	.12	5.8
SEP													
17...	E.03	<.8	.18	2.8	90	.79	125	.8	<.06	<1.0	11	.24	6.2

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT

LOCATION.--Lat 41°36'29", long 72°42'56", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from bridge on Rt. 372, and on the Hartford-Middlesex County line.
DRAINAGE AREA.--48.1 mi^2.
PERIOD OF RECORD.--March 1995 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
11...	0915	17	404	8.1	13.5	9.5	1.6	11.9	97	22k	21	170	46.3
DEC													
12...	1120	29	412	8.2	5.0	3.5	3.7	13.4	102	40	21k	160	42.9
FEB													
08...	1405	60	665	8.1	1.5	1.5	5.1	15.4	108	23k	25	140	38.9
APR													
13...	1015	111	303	7.9	15.0	9.5	2.5	11.4	100	190	88	110	29.9
JUN													
21...	0830	90	271	7.8	24.5	22.5	6.8	7.7	89	1900k	172	110	28.9
JUL													
24...	0930	15	434	8.2	32.0	23.5	2.5	9.3	109	80	44	170	45.4
AUG													
17...	1240	15	362	8.3	29.0	23.5	3.4	9.5	112	150	61	150	39.1
SEP													
13...	0905	10	461	8.0	22.5	18.5	1.8	7.7	82	64	45	190	50.7

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
11...	14.2	17.1	1.52	.0	173	142	22.5	27.7	<.2	11.5	235	237	.007
DEC													
12...	12.5	18.7	1.31	.0	159	130	21.9	32.6	E.1	11.4	238	240	.006
FEB													
08...	11.1	71.0	1.55	.0	124	102	17.8	126	<.2	9.6	355	363	.008
APR													
13...	8.67	15.7	1.22	.0	105	86	14.6	28.2	<.2	8.8	185	194	.007
JUN													
21...	8.51	14.7	1.33	.0	103	84	13.7	25.5	E.1	11.0	181	174	.021
JUL													
24...	14.2	19.3	1.32	.0	168	138	21.8	33.9	E.1	8.6	238	244	.007
AUG													
17...	11.9	16.5	1.60	.0	142	118	21.4	29.3	E.1	12.1	215	206	E.004
SEP													
13...	15.7	20.2	1.38	.0	184	153	24.9	38.5	<.2	12.2	259	265	.006

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
11...	.805	<.041	--	.23	.21	1.0	.041	.020	.018	3	.09	118	<.06
DEC													
12...	1.03	E.039	--	.28	.21	1.3	.033	.011	<.018	2	.08	104	<.06
FEB													
08...	.859	.056	.26	.32	.18	1.2	.025	.007	<.018	3	.12	105	<.06
APR													
13...	.669	.041	.27	.31	.25	.98	.030	.011	<.018	5	.14	75.3	<.06
JUN													
21...	.697	.089	.35	.44	.32	1.1	.078	.040	.036	6	.14	72.6	<.06
JUL													
24...	.737	<.040	--	.28	.20	1.0	.048	.032	.020	1	.10	119	<.06
AUG													
17...	.623	<.040	--	.46	.27	1.1	.098	.060	.040	2	.19	95.9	<.06
SEP													
13...	.752	<.040	--	.26	.21	1.0	.067	.050	.028	1	.14	119	<.06

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
11...	E.03	<.8	.15	1.8	50	E.06	39.1	.5	1.60	<1.0	1	.62	3.7
DEC													
12...	E.03	<.8	.18	1.8	30	.09	128	.8	.99	<1.0	2	.71	3.2
FEB													
08...	.06	<.8	.17	1.9	50	.11	147	.4	.79	<1.0	5	.46	3.3
APR													
13...	.04	<.8	.13	2.2	70	.12	73.1	.4	.61	<1.0	3	.32	2.1
JUN													
21...	<.04	E.4	.11	2.6	70	<.08	73.6	.6	.93	<1.0	2	.27	6.1
JUL													
24...	<.04	E.6	.10	2.0	50	.09	43.8	.6	E.04	<1.0	<1	.68	5.1
AUG													
17...	E.03	E.7	.09	2.7	40	.10	64.9	.7	.55	<1.0	<1	.40	4.4
SEP													
13...	.05	.8	.10	2.5	30	.10	46.4	.6	.11	<1.0	1	.72	3.2

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT

LOCATION.--Lat 41°31'12", long 72°42'23", Middlesex County, Hydrologic Unit 01080205, on right bank just upstream from Cider Mill Road, 0.5 mi northeast of Middlefield, and 0.75 mi upstream from Wadsworth Falls.
DRAINAGE AREA.--29.8 mi^2.
PERIOD OF RECORD.--October 1961 to December 1980, published as "at Rockfall", December 1980 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 134.17 ft above sea level. Satellite telemetry at station. Prior to Dec. 2, 1980, water-stage recorder at site 2.0 mi downstream at datum 73.01 ft lower.
REMARKS.--Records good except those for periods of estimated record, which are fair. Infrequent regulation from Beseck Lake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 775 ft^3/s, Mar. 23, gage height, 9.35 ft; minimum discharge, 2.1 ft^3/s, Aug. 10, Sep. 12, 13, 14, gage height, 3.98 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	18	12	54	e24	106	116	439	25	38	16	4.2	4.9
2	16	12	48	e25	126	89	290	23	49	14	3.7	4.1
3	14	12	41	e22	107	75	198	21	64	13	3.3	3.6
4	13	12	34	e21	e90	68	142	20	69	13	3.1	3.1
5	13	11	29	e20	e70	63	112	19	60	19	3.2	3.0
6	15	12	e25	e19	e60	55	97	18	45	25	3.1	2.7
7	16	10	e19	e18	e53	57	97	17	33	26	2.8	2.6
8	15	8.9	e16	e18	e49	62	105	16	26	24	2.7	2.5
9	14	8.7	e14	e17	e47	66	107	16	21	21	2.3	2.4
10	13	34	e13	e17	85	68	114	15	18	20	5.3	2.4
11	12	49	e13	e16	e100	74	104	14	23	18	7.4	2.2
12	12	52	e13	e16	e85	79	97	13	51	16	7.4	2.1
13	11	43	26	e15	e70	160	96	12	38	14	11	2.1
14	11	36	30	e15	72	264	87	11	30	13	10	4.2
15	11	48	36	e15	76	252	75	11	22	12	8.0	5.4
16	11	45	41	e15	80	226	65	11	18	9.9	6.6	5.6
17	11	39	143	e19	e90	245	59	11	186	8.9	5.6	4.8
18	11	31	324	22	e80	258	56	11	379	8.4	5.3	3.2
19	15	25	292	27	e68	228	52	11	326	7.8	4.8	2.5
20	16	21	214	39	e61	187	48	11	214	7.4	6.8	8.8
21	17	e20	165	e33	75	167	46	10	136	6.7	17	17
22	15	e18	120	e29	e68	558	46	17	93	6.1	18	13
23	14	e18	105	e26	e57	691	44	27	68	5.4	13	9.7
24	13	e17	e80	e25	e55	447	42	39	54	4.9	9.1	7.7
25	12	e17	e60	e23	e52	298	38	49	43	4.6	6.8	14
26	12	e16	e48	e21	157	213	33	64	35	6.2	5.8	15
27	12	70	e42	e22	186	159	31	115	28	7.3	5.3	13
28	12	76	e36	e21	149	125	29	132	23	7.0	6.0	15
29	11	66	e32	e21	---	103	27	107	19	6.5	12	24
30	11	59	e29	e20	---	286	26	78	17	5.7	9.9	20
31	12	---	e26	65	---	615	---	55	---	4.9	6.2	---
TOTAL	409	898.6	2168	706	2374	6354	2802	999	2226	371.7	215.7	220.6
MEAN	13.2	30.0	69.9	22.8	84.8	205	93.4	32.2	74.2	12.0	6.96	7.35
MAX	18	76	324	65	186	691	439	132	379	26	18	24
MIN	11	8.7	13	15	47	55	26	10	17	4.6	2.3	2.1
CFSM	.44	1.01	2.35	.76	2.85	6.88	3.13	1.08	2.49	.40	.23	.25
IN.	.51	1.12	2.71	.88	2.96	7.93	3.50	1.25	2.78	.46	.27	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

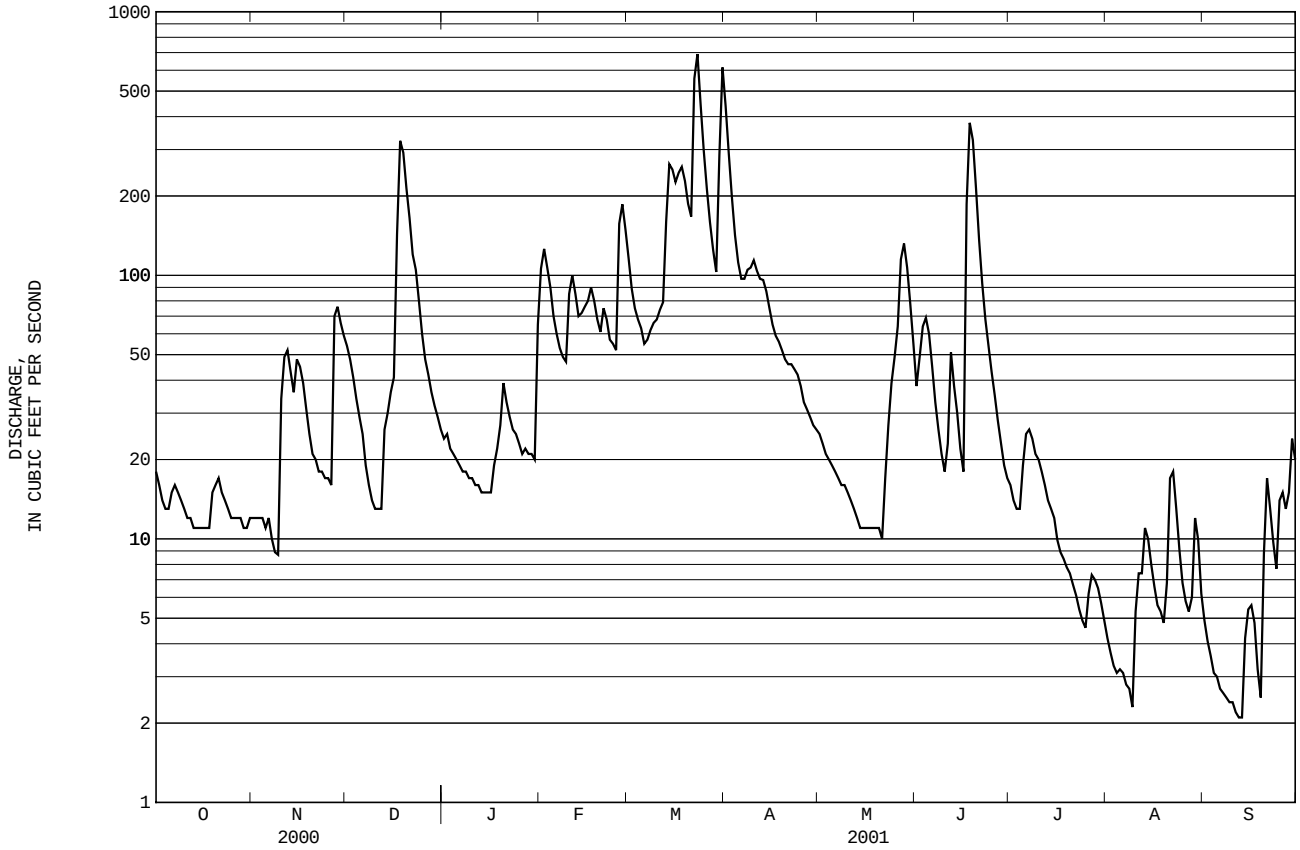
MEAN	34.9	60.5	81.1	78.4	91.4	107	104	58.1	54.3	17.6	22.1	14.6
MAX	130	121	237	144	162	206	284	172	242	61.3	73.6	41.2
(WY)	1990	1997	1997	1982	1981	1983	1983	1989	1982	1984	1991	1989
MIN	4.43	21.0	19.4	8.43	46.1	47.8	25.4	16.2	5.20	2.45	2.07	2.56
(WY)	1998	1999	1996	1981	1987	1981	1985	1986	1988	1987	1981	1995

e Estimated.

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1981 - 2001	
ANNUAL TOTAL	19944.5		19744.6			
ANNUAL MEAN	54.5		54.1		61.0	
HIGHEST ANNUAL MEAN					95.6	1984
LOWEST ANNUAL MEAN					30.8	1985
HIGHEST DAILY MEAN	552	Apr 22	691	Mar 23	1670	Jun 6 1982
LOWEST DAILY MEAN	7.7	Jul 25	2.1	Sep 12	.38	Aug 22 1988
ANNUAL SEVEN-DAY MINIMUM	11	Nov 3	2.3	Sep 7	.74	Aug 20 1987
MAXIMUM PEAK FLOW			775	Mar 23	2260	Apr 16 1996
MAXIMUM PEAK STAGE			9.35	Mar 23	12.46	Apr 16 1996
INSTANTANEOUS LOW FLOW			**b**2.1	Aug 10	**a** .30	Aug 2 1964
ANNUAL RUNOFF (CFSM)	1.83		1.82		2.05	
ANNUAL RUNOFF (INCHES)	24.90		24.65		27.81	
10 PERCENT EXCEEDS	113		125		137	
50 PERCENT EXCEEDS	39		21		35	
90 PERCENT EXCEEDS	12		5.6		4.5	

a Site and datum then in use - downstream station “at Rockfall”.
b Also occurred Sep. 12-14.



01193000 CONNECTICUT RIVER NEAR MIDDLETOWN, CT

LOCATION.--Lat 41°33'40", long 72°36'43", Middlesex County, Hydrologic Unit 01080205, on right bank 0.5 mi upstream from Bodkin Rock, 2 mi downstream from Middletown, and 29.5 mi upstream from mouth.
DRAINAGE AREA.--10,887 mi^2.
PERIOD OF RECORD.--October 1965 to current year. Jan. 1, 1947 to Sept. 30, 1948, twice daily readings on outside staff gage, and Sept. 8, 1948 to Oct. 14, 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.
REVISED RECORDS.-- WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to June 23, 1998, at same location but datum was 10 ft below sea level. Telephone telemetry at station. Auxiliary digital water-stage recorder at same datum on right bank 3.8 mi downstream, 120 ft downstream from pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL).
REMARKS.--Prior to 1994 water year, volume discharge records are available.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 186,000 ft^3/s June 2, 1984, gage height, 31.27 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 267,000 ft^3/s Mar. 21, 1936, gage height, 38.2 ft, from rating curve extended above 125,000 ft^3/s on basis of stage and discharge determinations of 1927, 1936, and 1938 floods. Peak discharges for floods dating back to 1814 are available in the office at East Hartford, Conn.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 97,400 ft^3/s, Apr. 26, elevation, 11.92 ft.; minimum tidal elevation, -0.87 ft, July 16.

ELEVATIONS, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001[a]

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Maximum high tide	Elevation	2.89	4.02	8.51	3.58	2.94	4.98	11.92	9.17	5.90	2.90	3.47	3.67
	Date	27	10	20	9	17	23	26	1	5	20	25	22
	Time	1415	1315	0900	1345	0930	0200	1715	0015	0145	0130	2100	1930
Minimum high tide	Elevation	-0.21	0.42	-0.31	0.58	-0.31	0.19	1.76	0.85	0.35	-0.87	0.11	0.88
	Date	11	6	13	28	11	12	5	14	28	16	3	11
	Time	1930	0400	0900	1130	2330	1130	1930	1445	1500	0530	0945	1530

a.Time shown is Eastern standard.

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, Hydrologic Unit 01080205, on pier of United Technologies Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mi south of Middle Haddam, 7.6 mi upstream from Salmon River, and 6.1 mi south of Middletown.
DRAINAGE AREA.--10,897 mi^2 rev.
PERIOD OF RECORD.--Water year 1967 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.
pH: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.
WATER TEMPERATURES: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.
DISSOLVED OXYGEN: October 1967 to September 1970, October 1973 to June 1976, June 1978 to September 1997, October 1998 to September 1999.
INSTRUMENTATION.--Water-quality monitor October 1967 to current year.
REMARKS.--USGS water-quality monitoring system installed June 1978. Interruptions of the record due to malfunctions of the instrument. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records due to the depth and location of the probes used for the monitoring system. Stream tidal affected. Extremes for period of daily record and current year are only for those values reported.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 483 microsiemens Aug. 18, 1975; minimum, 33 microsiemens March 23, 1980.
pH: Maximum, 9.7 units July 3, 1975; minimum, 4.9 units Apr. 23, 1976.
WATER TEMPERATURES: Maximum, 33.0°C July 12, 1970; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 19.2 mg/L Feb. 17, 1980; minimum 0.6 mg/L Aug. 11, 1970.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 30.4°C, Aug. 9; minimum, 0.0°C, Dec. 25, Jan. 10.
SPECIFIC CONDUCTANCE: Maximum, 251 microsiemens/cm, Mar. 13; minimum, 67 microsiemens/cm, Apr. 26, 27.
pH: Maximum, 9.2 units, Aug. 1; minimum, 6.8 units, Aug. 27.

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

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
04...	1030	160	7.5	23.0	17.0	1.8	9.1	94	900	5k	45	14.0	2.38
DEC													
20...	1300	106	7.2	-1.0	.5	76	13.7	104	800	2500	23	7.40	1.12
FEB													
14...	1245	198	7.5	4.5	1.5	2.7	14.0	99	440	84	43	13.4	2.28
APR													
12...	0945	110	7.3	12.0	5.5	14	12.8	101	260	80	28	8.71	1.45
JUN													
11...	1050	108	7.4	24.5	19.5	5.3	8.4	91	23	20k	32	10.2	1.52
AUG													
09...	1015	177	7.8	35.5	29.0	2.8	8.3	108	12k	1k	43	13.4	2.32

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
04...	12.2	1.72	.0	41	34	10.3	17.7	E.1	5.2	92	90	.030	.677
DEC													
20...	7.2	1.12	.0	23	19	5.8	12.5	<.2	4.9	65	235	E.004	.284
FEB													
14...	17.5	1.52	.0	35	29	9.7	27.4	<.2	7.0	109	116	.018	.595
APR													
12...	9.8	.93	.0	29	24	6.6	15.7	<.2	5.6	73	112	E.003	.285
JUN													
11...	8.2	1.08	.0	26	22	7.2	12.2	<.2	5.5	69	76	.008	.273
AUG													
09...	14.1	2.20	.0	38	31	11.5	23.5	E.1	2.7	96	90	.032	.569

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
04...	.212	.28	.49	.44	1.2	.109	.084	.076	13	.07	17.4	<.06	E.03
DEC													
20...	.073	.69	.76	.24	1.0	.257	.018	<.018	20	.12	9.8	<.06	<.04
FEB													
14...	.214	.18	.40	.33	.99	.064	.044	.034	18	.06	19.2	<.06	E.03
APR													
12...	.046	.28	.33	.16	.62	.089	.017	<.018	195	.11	12.6	E.04	<.04
JUN													
11...	.066	.25	.32	.25	.59	.055	.026	E.017	16	.05	13.3	<.06	<.04
AUG													
09...	E.039	--	.50	.24	1.1	.120	.078	.061	8	.15	19.8	<.06	<.04

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

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

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
04...	<.8	.10	2.6	120	.16	24.5	.6	1.33	<1.0	2	.08	3.9
DEC												
20...	<.8	.07	1.2	60	.17	20.9	E.1	.70	<1.0	1	.06	9.7
FEB												
14...	<.8	.11	1.5	120	.18	38.8	.4	.75	<1.0	3	.11	3.0
APR												
12...	<.8	.22	.7	70	.50	32.0	<.2	.52	<1.0	5	<.02	4.5
JUN												
11...	<.8	.07	1.4	80	.14	24.3	.2	.40	<1.0	1	.07	4.1
AUG												
09...	E.4	.05	1.8	10	<.08	.4	.9	.42	<1.0	1	.05	4.6

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.0	16.0	16.5	10.5	9.0	9.5	6.5	4.5	5.0	.5	.0	.0
2	16.5	16.0	16.5	10.5	9.0	9.5	5.0	3.5	4.0	.5	.0	.0
3	17.0	16.5	16.5	10.5	9.5	10.0	5.0	3.0	3.5	.5	.0	.0
4	17.5	16.5	17.0	11.0	9.5	10.0	4.5	2.5	3.0	.5	.0	.0
5	17.5	17.0	17.5	11.0	10.0	10.5	5.0	2.0	2.5	1.0	.0	.5
6	17.5	17.0	17.0	11.0	10.0	10.5	5.0	2.0	2.5	1.5	.0	.5
7	17.0	16.0	16.5	11.0	10.0	10.5	5.5	2.0	2.5	1.5	.0	.5
8	16.0	15.0	15.5	11.0	10.0	10.5	5.0	1.5	2.0	1.5	.0	.5
9	15.5	14.5	14.5	10.5	9.5	10.0	4.5	1.0	1.5	3.0	.0	.5
10	14.5	13.5	14.0	11.0	10.0	10.5	3.5	.5	1.0	1.0	.0	.5
11	13.5	12.5	13.0	12.0	10.5	10.5	3.5	1.0	1.5	3.0	.0	.5
12	13.5	12.5	13.0	11.5	10.0	10.5	3.0	1.0	2.0	1.0	.0	.5
13	14.0	12.5	13.0	11.0	10.0	10.0	3.0	1.0	1.5	.5	.0	.0
14	14.5	13.0	13.5	10.0	9.5	9.5	4.5	1.5	2.0	.5	.0	.0
15	15.0	14.0	14.0	10.0	9.0	9.0	2.5	1.0	1.5	1.5	.0	.0
16	14.5	14.5	14.5	9.5	8.5	9.0	2.0	1.0	1.0	1.5	.0	.5
17	15.0	14.0	14.5	8.5	8.0	8.5	3.5	1.0	2.0	1.5	.0	.5
18	15.0	14.0	14.5	8.5	8.0	8.0	4.0	2.0	3.0	1.5	.0	.5
19	14.5	13.5	14.0	8.0	7.0	7.5	2.0	.5	1.5	2.0	.0	.5
20	14.0	13.5	13.5	8.0	7.0	7.0	.5	.0	.5	.0	.0	.0
21	13.5	13.0	13.5	8.0	6.5	7.0	.5	.0	.5	.0	.0	.0
22	14.0	13.0	13.5	8.0	6.0	6.5	.5	.0	.5	.0	.0	.0
23	14.0	13.0	13.5	7.0	5.0	5.5	.0	.0	.0	.0	.0	.0
24	14.0	12.5	13.0	6.0	4.0	4.5	.5	.0	.0	.0	.0	.0
25	14.0	12.5	13.0	6.0	4.0	4.5	.0	.0	.0	.0	.0	.0
26	14.0	13.0	13.5	5.5	3.5	4.0	.5	.0	.5	.0	.0	.0
27	14.5	13.5	13.5	5.5	3.5	4.0	1.0	.0	.5	.0	.0	.0
28	15.0	13.0	13.5	6.0	3.5	4.5	1.0	.0	.5	.0	.0	.0
29	13.0	12.0	12.5	5.5	4.5	5.0	.5	.0	.0	.0	.0	.0
30	12.0	11.5	11.5	6.0	4.5	5.0	.5	.0	.0	.0	.0	.0
31	11.5	10.0	11.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	17.5	10.0	14.2	12.0	3.5	8.1	6.5	.0	1.5	3.0	.0	.2

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	4.0	2.0	2.5	3.5	3.0	3.5	10.0	9.0	9.5
2	4.0	.0	1.0	4.0	1.5	2.5	3.5	3.0	3.0	11.0	10.0	10.5
3	4.0	1.0	1.5	4.0	1.5	2.5	4.5	3.0	3.5	11.5	10.5	11.0
4	3.5	1.0	1.5	3.5	2.0	2.5	6.0	3.5	4.5	12.5	11.5	12.0
5	4.0	.5	1.0	5.0	1.5	2.5	7.0	4.5	5.5	13.5	12.5	13.0
6	3.0	.0	.5	4.5	1.0	1.5	7.0	5.5	6.5	13.5	12.5	13.0
7	2.5	.5	.5	4.5	1.0	1.5	7.5	6.0	6.5	14.5	13.0	14.0
8	2.0	.0	.5	3.5	1.0	1.5	6.5	5.5	6.0	15.0	13.5	14.5
9	3.5	1.0	1.5	4.5	1.5	2.0	6.0	5.5	5.5	16.0	14.0	15.0
10	3.5	1.0	1.5	5.5	2.0	2.5	6.5	5.5	6.0	18.0	.0	15.0
11	2.5	1.0	1.5	5.0	2.0	3.0	6.0	5.5	6.0	17.5	16.0	17.0
12	4.0	1.0	1.5	6.0	2.5	4.0	5.5	4.5	5.0	19.0	17.5	18.0
13	3.0	.5	1.0	5.5	3.0	4.0	5.5	4.5	5.0	18.5	18.0	18.5
14	3.0	.5	1.0	5.5	3.0	4.0	5.5	5.0	5.0	18.5	17.0	17.5
15	3.5	1.0	1.5	6.5	3.5	4.0	5.5	5.0	5.0	17.5	16.5	17.0
16	3.0	1.5	1.5	5.0	4.0	4.5	5.5	5.0	5.5	17.0	16.0	16.5
17	3.5	1.5	1.5	5.5	4.5	5.0	5.5	5.0	5.5	16.0	15.5	16.0
18	3.0	1.0	1.5	6.5	5.0	5.5	6.0	5.5	5.5	16.0	15.5	15.5
19	3.5	.5	1.0	6.5	5.5	6.0	6.0	5.5	5.5	17.0	15.0	16.0
20	4.0	1.0	1.5	7.0	5.5	6.0	6.5	6.0	6.0	17.5	16.0	16.5
21	3.0	1.5	2.0	7.0	5.5	6.0	7.0	6.5	6.5	18.5	16.5	17.5
22	4.0	1.5	2.0	7.5	4.5	5.5	8.0	7.0	7.5	18.5	17.5	18.0
23	4.0	.5	1.5	4.5	3.0	3.5	8.0	7.5	8.0	18.0	17.5	17.5
24	4.0	1.0	1.0	3.0	3.0	3.0	8.5	8.0	8.5	20.0	16.5	17.0
25	4.0	1.0	1.5	3.5	2.5	3.0	8.5	8.0	8.0	16.5	15.5	16.0
26	3.5	1.5	2.0	3.5	3.0	3.0	8.5	8.0	8.5	15.5	15.0	15.0
27	4.5	1.5	2.0	3.5	2.5	3.0	9.0	8.0	8.5	15.5	15.0	15.0
28	5.0	2.0	2.5	4.0	2.5	3.0	8.5	8.5	8.5	16.0	15.5	15.5
29	---	---	---	4.5	3.0	3.5	8.5	8.0	8.0	16.5	15.5	16.0
30	---	---	---	4.0	3.0	3.5	9.0	8.5	8.5	17.5	16.0	16.5
31	---	---	---	4.0	3.5	3.5	---	---	---	17.0	16.0	16.5
MONTH	5.0	.0	1.3	7.5	1.0	3.5	9.0	3.0	6.2	20.0	.0	15.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.5	16.0	16.5	28.0	27.0	27.5	27.0	25.5	26.0	27.0	26.0	26.5
2	18.0	16.5	17.0	27.0	25.0	26.0	27.0	26.0	26.5	26.0	25.5	26.0
3	17.5	17.0	17.0	26.0	24.5	25.5	27.5	26.0	27.0	25.5	25.0	25.5
4	17.0	15.5	16.5	25.0	24.0	24.5	27.5	26.5	27.0	25.5	24.5	25.0
5	15.5	15.0	15.5	24.5	23.5	24.0	28.0	26.5	27.0	25.0	24.0	24.5
6	16.0	15.0	15.5	24.5	23.5	24.0	28.5	27.0	28.0	25.0	24.0	24.5
7	17.0	15.5	16.5	25.0	23.5	24.0	29.0	28.0	28.5	25.0	24.0	24.5
8	18.0	16.5	17.5	24.0	23.0	23.5	29.5	28.0	28.5	25.0	24.0	24.5
9	19.0	17.5	18.5	24.5	23.0	23.5	30.5	29.0	29.5	25.5	24.0	24.5
10	20.0	18.5	19.0	25.5	24.0	24.5	30.0	29.5	30.0	26.0	24.5	25.0
11	20.0	19.0	19.5	26.0	24.0	25.0	30.0	29.0	29.5	25.5	24.5	25.0
12	20.5	20.0	20.0	26.0	25.0	25.5	29.5	28.5	28.5	25.5	24.5	25.0
13	25.0	19.5	20.5	25.0	24.0	24.5	28.5	28.0	28.0	25.5	24.5	25.0
14	22.0	20.5	21.5	25.0	24.0	24.0	28.0	27.0	27.5	25.5	23.5	24.5
15	23.5	21.0	22.5	24.5	23.5	24.0	27.5	26.5	27.0	23.5	23.0	23.0
16	24.0	22.5	23.5	25.0	23.5	24.0	27.5	26.0	27.0	23.0	22.0	22.5
17	24.0	23.0	23.5	24.5	24.0	24.5	27.0	26.5	27.0	23.0	22.0	22.5
18	23.5	22.5	23.0	25.5	24.0	25.0	27.5	26.5	26.5	23.5	22.0	22.5
19	24.5	22.5	23.5	25.0	24.5	24.5	27.0	26.5	26.5	23.0	22.0	22.5
20	25.0	23.0	24.0	25.5	23.5	24.5	27.0	26.5	27.0	22.5	21.5	22.5
21	24.5	23.5	24.0	26.5	25.0	25.5	27.5	26.5	27.0	22.5	21.5	22.0
22	24.0	23.5	23.5	26.0	25.0	25.5	27.0	26.0	27.0	23.0	21.5	22.0
23	23.5	23.0	23.0	27.0	25.0	26.0	27.5	26.5	27.0	23.0	22.0	22.5
24	24.0	23.0	23.5	28.0	26.0	27.0	27.5	27.0	27.0	23.0	22.0	22.5
25	25.0	23.0	24.0	28.5	27.0	27.5	27.5	26.5	27.0	23.5	22.5	23.0
26	25.5	23.5	24.5	28.0	27.0	27.5	27.5	26.5	27.0	23.0	22.0	22.0
27	27.0	24.5	26.0	27.5	26.0	27.0	27.5	26.5	27.0	22.5	21.0	21.5
28	27.0	25.5	26.5	27.0	26.0	26.5	27.5	23.0	27.0	21.5	20.0	20.5
29	27.0	26.0	26.5	26.0	25.5	26.0	27.0	26.0	27.0	20.5	19.0	20.0
30	27.5	27.0	27.5	26.0	25.0	25.5	27.0	26.0	26.5	19.5	18.5	18.5
31	---	---	---	26.0	25.0	25.5	27.5	26.0	26.5	---	---	---
MONTH	27.5	15.0	21.3	28.5	23.0	25.2	30.5	23.0	27.4	27.0	18.5	23.3
YEAR	30.5	.0	12.4									

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	156	155	155	157	145	151	125	119	122	120	114	117
2	160	155	157	165	156	157	128	120	125	126	114	119
3	166	157	160	162	147	153	129	124	126	130	122	126
4	169	162	165	153	147	149	125	122	123	132	125	128
5	167	164	166	159	150	153	128	123	125	132	125	127
6	168	166	167	165	156	158	130	126	128	128	123	125
7	169	163	166	176	154	159	132	126	129	129	124	126
8	163	158	160	171	155	162	132	129	131	141	125	133
9	161	154	158	178	156	163	141	131	135	143	136	140
10	156	147	149	157	146	150	135	130	132	142	136	140
11	150	146	147	155	145	150	135	130	133	155	137	144
12	153	144	148	154	138	143	138	131	133	164	155	160
13	153	145	148	142	137	139	141	136	139	158	141	150
14	158	149	153	142	133	137	154	138	142	147	140	142
15	160	151	153	144	132	137	184	151	156	147	140	142
16	151	147	150	141	129	133	187	171	179	155	141	144
17	148	146	147	129	121	124	201	174	178	162	149	154
18	151	144	147	122	118	120	192	137	176	172	160	166
19	157	147	150	124	121	122	137	97	109	---	---	---
20	153	146	149	124	113	117	106	89	99	---	---	---
21	152	141	145	115	110	112	94	87	91	---	---	---
22	151	140	145	112	109	110	92	86	90	---	---	---
23	153	143	146	117	109	113	96	88	93	---	---	---
24	150	139	143	127	115	120	97	91	94	---	---	---
25	151	138	144	123	121	122	100	89	94	---	---	---
26	151	142	144	124	121	122	101	97	99	---	---	---
27	154	140	144	133	123	129	106	99	103	---	---	---
28	144	139	141	144	132	138	115	103	108	---	---	---
29	141	137	139	147	126	138	114	109	110	---	---	---
30	140	137	138	126	118	121	115	110	113	---	---	---
31	146	139	142	---	---	---	118	107	112	---	---	---
MONTH	169	137	151	178	109	137	201	86	123	172	114	138

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	243	211	230	147	142	143	83	76	80
2	---	---	---	212	202	208	144	139	142	87	80	85
3	166	156	162	202	195	199	150	143	146	87	79	83
4	161	156	158	195	185	189	152	148	150	91	81	86
5	161	154	157	191	186	188	157	152	154	94	86	89
6	154	145	148	197	185	193	159	154	156	94	86	90
7	151	143	147	201	189	196	159	152	155	103	88	95
8	175	150	164	219	197	203	154	140	147	102	93	97
9	178	170	175	231	213	221	142	127	134	101	92	96
10	176	166	169	235	219	229	129	119	125	104	95	99
11	198	176	189	222	215	218	119	113	117	110	103	106
12	200	184	192	242	216	228	113	108	110	113	110	112
13	186	182	183	251	236	242	111	109	110	116	111	113
14	184	179	182	243	217	231	111	101	107	117	113	114
15	185	171	177	224	217	220	101	95	98	124	117	120
16	184	172	179	226	207	217	95	91	92	129	124	127
17	191	179	183	211	206	208	91	88	90	130	126	129
18	186	178	182	213	206	209	92	90	91	135	129	134
19	195	181	189	208	199	204	96	92	93	139	133	135
20	186	175	180	202	197	200	97	96	97	146	137	141
21	181	171	177	199	189	195	98	95	97	148	143	146
22	184	176	180	189	161	177	102	93	97	148	144	147
23	187	180	182	161	140	152	93	88	91	152	145	149
24	182	170	176	141	132	136	90	77	83	154	144	148
25	189	170	177	135	130	132	77	70	74	145	133	140
26	223	184	199	144	135	139	71	67	69	137	128	133
27	235	210	224	147	143	145	71	67	68	137	128	133
28	248	215	238	153	147	150	72	68	70	133	117	128
29	---	---	---	158	153	155	73	71	72	118	116	117
30	---	---	---	158	152	156	76	72	74	122	116	119
31	---	---	---	152	145	148	---	---	---	119	116	118
MONTH	248	143	180	251	130	191	159	67	108	154	76	116

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	122	117	120	157	151	154	173	167	170	189	177	180
2	123	120	122	165	155	161	176	170	174	182	176	179
3	130	123	126	170	162	164	183	173	176	196	177	183
4	126	101	111	163	153	158	181	174	177	190	180	184
5	101	88	93	161	148	151	183	173	178	192	181	184
6	95	88	91	154	147	150	177	173	174	188	181	184
7	102	95	99	151	144	148	177	172	173	194	180	182
8	106	96	101	150	143	146	177	171	173	187	179	182
9	110	103	107	151	136	141	178	168	172	188	178	181
10	112	106	108	145	136	138	175	164	170	185	179	182
11	125	111	113	149	145	147	169	161	163	194	182	188
12	127	112	121	149	145	147	166	160	162	193	182	187
13	130	110	121	149	145	146	168	157	160	195	185	187
14	116	104	108	153	146	148	169	157	162	194	184	189
15	119	102	113	155	146	150	170	159	163	199	186	191
16	119	111	114	160	151	153	170	159	164	206	186	192
17	126	113	119	164	153	159	174	162	165	202	186	193
18	185	114	124	165	157	161	170	161	165	199	189	193
19	192	185	189	160	155	156	169	161	165	207	190	196
20	187	121	163	159	153	157	171	162	167	203	188	194
21	157	117	148	159	156	157	172	165	168	207	189	196
22	143	124	131	158	157	157	172	166	169	206	190	196
23	131	128	129	164	157	159	172	167	169	211	193	201
24	134	129	131	166	157	161	179	168	171	205	185	192
25	139	133	136	167	160	163	174	165	168	196	181	187
26	145	138	141	170	163	166	172	165	168	199	169	180
27	164	144	152	166	162	163	172	166	167	187	172	177
28	168	144	162	170	157	163	176	165	171	187	171	176
29	152	144	147	172	162	166	180	174	176	178	155	164
30	152	148	150	168	163	166	183	174	176	170	155	161
31	---	---	---	171	165	168	185	174	178	---	---	---
MONTH	192	88	126	172	136	156	185	157	169	211	155	185
YEAR	251	67	148									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	7.3	7.1	7.8	7.2	9.2	8.4	7.7	7.1
2	---	---	---	---	7.3	7.1	8.1	7.3	9.1	8.1	8.1	7.3
3	---	---	---	---	7.2	7.1	8.9	7.6	---	---	8.5	7.4
4	---	---	---	---	7.1	7.0	8.9	8.2	8.7	8.0	8.6	7.4
5	---	---	---	---	7.1	7.0	8.8	7.6	8.6	7.6	8.7	7.4
6	---	---	---	---	7.0	7.0	8.5	7.5	8.7	7.6	8.8	7.4
7	---	---	---	---	7.1	7.0	8.6	7.4	8.6	7.6	8.7	7.5
8	---	---	---	---	7.2	7.0	7.6	7.3	8.2	7.4	8.8	7.5
9	---	---	---	---	7.2	7.1	7.9	7.2	7.8	7.2	8.8	7.4
10	---	---	---	---	7.2	7.1	8.5	7.3	7.4	6.9	8.3	7.4
11	---	---	7.4	7.1	7.2	7.1	8.3	7.4	7.3	7.0	8.4	7.4
12	---	---	7.4	7.1	7.2	7.0	8.8	7.4	7.1	6.9	8.3	7.0
13	---	---	7.4	7.1	7.2	7.0	8.6	7.7	7.1	6.8	7.9	7.2
14	---	---	7.2	7.0	7.3	7.2	8.1	7.4	7.2	6.9	7.6	7.3
15	---	---	7.3	7.1	7.4	7.2	7.9	7.3	7.3	7.0	7.6	7.2
16	---	---	7.3	7.1	7.3	7.2	8.2	7.3	7.3	7.0	7.5	7.2
17	---	---	7.4	7.1	7.3	7.1	8.1	7.4	7.4	7.0	7.4	7.0
18	---	---	7.4	7.1	7.1	6.9	8.5	7.6	7.9	7.1	7.4	7.0
19	---	---	7.4	7.1	7.0	6.9	8.5	7.6	7.9	7.2	7.4	7.1
20	---	---	7.4	7.0	7.0	6.9	---	---	7.5	7.0	7.4	7.0
21	---	---	7.4	7.0	7.0	6.9	8.8	7.8	7.7	7.0	7.3	6.9
22	---	---	7.4	7.1	7.1	6.9	8.9	7.8	8.4	7.0	7.3	7.0
23	---	---	7.4	7.1	7.1	7.0	9.1	8.1	8.3	7.1	7.2	7.1
24	---	---	7.4	7.0	7.1	7.0	9.1	8.1	8.0	7.0	7.2	6.9
25	---	---	7.2	7.1	7.2	6.9	9.1	8.3	8.4	6.8	7.2	7.0
26	---	---	7.2	7.1	7.2	7.0	8.7	8.0	8.6	6.9	7.2	7.0
27	---	---	7.2	7.1	7.3	7.0	8.5	7.6	8.1	6.8	7.2	7.0
28	---	---	7.2	7.0	7.4	7.1	8.7	7.8	7.7	7.0	7.2	7.0
29	---	---	7.1	7.0	7.5	7.1	8.9	7.6	7.6	7.2	7.2	7.0
30	---	---	7.2	7.1	7.7	7.2	9.1	7.9	7.4	7.1	7.2	7.0
31	---	---	7.2	7.1	---	---	9.1	8.2	7.4	7.1	---	---
MONTH	---	---	7.4	7.0	7.7	6.9	9.1	7.2	9.2	6.8	8.8	6.9
YEAR	9.2	6.8										

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01193500 SALMON RIVER NEAR EAST HAMPTON, CT

LOCATION.--Lat 41°32'53", long 72°26'59", Middlesex County, Hydrologic Unit 01080205, on left bank at Route 16 Bridge, 450 ft downstream from New London-Middlesex County line, 300 ft downstream from Comstock Bridge, 0.7 mi downstream from Dickinson Creek, and 3.5 mi southeast of East Hampton.
DRAINAGE AREA.--100 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to current year.
REVISED RECORDS.--WSP 1201: 1929. WDR CT-78-1: 1976 (P). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 64.38 ft above sea level. Prior to June 23, 1974, at datum 2.99 ft higher for site and datum then in use; prior to May 20, 1980, at datum 2.80 ft higher and at site 400 ft upstream; prior to June 24, 1987, at datum 0.67 ft lower for site amd datum then in use. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Slight regulation at low flow by ponds upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	1945	1,360	5.45	Mar 30	1830	2,380	6.63
Mar 22	0815	*2,910	*7.14	Jun 17	1800	2,410	6.66

Minimum discharge, 7.2 ft^3/s, Sep. 13, gage height, 2.07 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	31	110	e86	e210	232	747	126	97	77	18	19
2	38	29	90	e85	e180	204	578	119	449	73	16	16
3	35	29	74	e84	e160	187	483	113	405	65	15	14
4	32	29	e70	e83	e130	176	424	106	238	67	19	13
5	31	29	e66	e82	e150	178	386	99	168	104	23	20
6	38	28	e62	e81	e160	188	403	92	133	132	19	16
7	45	27	e59	e80	e150	209	476	88	112	89	16	13
8	39	27	e56	e80	e140	188	471	86	99	80	15	11
9	35	27	e55	e79	e130	183	457	84	88	79	13	11
10	33	138	e54	e79	e180	206	460	80	80	66	16	10
11	29	153	e53	e78	e160	224	375	75	89	58	22	9.7
12	26	95	88	e78	e145	235	373	71	557	55	22	8.8
13	25	71	71	e77	e140	519	361	66	253	52	30	7.9
14	25	83	121	e77	e135	527	304	62	154	47	67	18
15	25	151	155	e82	e130	446	272	60	122	43	42	29
16	25	106	109	e90	e150	491	251	59	102	40	28	19
17	27	81	796	e95	e170	582	237	59	1190	40	21	15
18	31	68	916	e90	e150	648	227	59	1160	42	19	13
19	41	59	427	e110	e145	556	209	60	474	38	18	12
20	39	56	e300	e190	e140	509	199	56	342	34	38	11
21	33	51	e230	e130	e138	548	194	52	253	30	56	38
22	31	46	e190	e110	e136	2300	207	91	203	27	36	42
23	30	43	e150	e95	e134	1250	189	180	199	25	26	27
24	29	e44	e140	e90	e132	787	177	292	189	22	24	20
25	30	e41	e130	e85	186	617	163	367	165	22	20	26
26	29	111	e120	e82	471	515	156	285	137	29	18	40
27	29	203	e110	e79	370	469	150	393	116	33	17	27
28	28	130	e100	e76	294	427	141	238	101	26	59	22
29	27	97	e96	e74	---	385	133	172	89	24	39	25
30	27	105	e92	e120	---	1440	129	133	81	22	27	20
31	28	---	e88	e270	---	1290	---	112	---	20	22	---
TOTAL	981	2188	5178	2997	4916	16716	9332	3935	7845	1561	821	573.4
MEAN	31.6	72.9	167	96.7	176	539	311	127	262	50.4	26.5	19.1
MAX	45	203	916	270	471	2300	747	393	1190	132	67	42
MIN	25	27	53	74	130	176	129	52	80	20	13	7.9
CFSM	.32	.73	1.67	.97	1.76	5.39	3.11	1.27	2.62	.50	.26	.19
IN.	.36	.81	1.93	1.11	1.83	6.22	3.47	1.46	2.92	.58	.31	.21

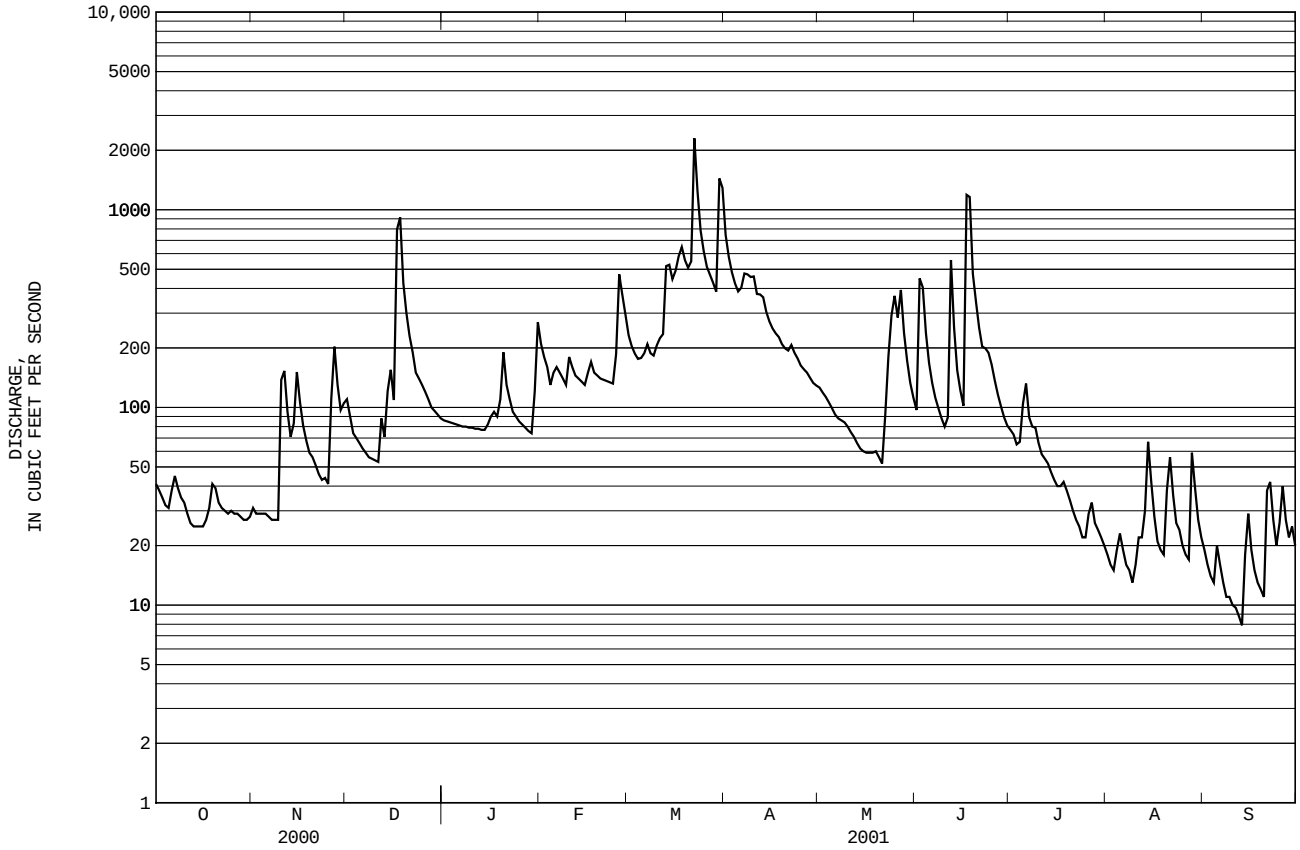
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	87.9	161	216	251	254	374	338	223	137	63.6	54.6	64.3
MAX	734	551	641	1144	623	797	803	482	801	426	357	834
(WY)	1956	1956	1973	1979	1973	1936	1983	1989	1982	1938	1955	1938
MIN	12.4	25.2	41.5	25.2	64.6	170	110	82.6	22.4	8.41	7.50	5.80
(WY)	1931	1932	1944	1981	1934	1985	1985	1986	1957	1957	1957	1943

e Estimated.

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	59863		57043.4			
ANNUAL MEAN	164		156		185	
HIGHEST ANNUAL MEAN					326	1973
LOWEST ANNUAL MEAN					84.9	1966
HIGHEST DAILY MEAN	1700	Apr 22	2300	Mar 22	8720	Sep 21 1938
LOWEST DAILY MEAN	24	Sep 12	7.9	Sep 13	1.0	Oct 13 1929
ANNUAL SEVEN-DAY MINIMUM	26	Oct 11	10	Sep 7	3.0	Sep 6 1963
MAXIMUM PEAK FLOW			2910	Mar 22	18500	Jun 6 1982
MAXIMUM PEAK STAGE			7.14	Mar 22	14.40	Jun 6 1982
INSTANTANEOUS LOW FLOW			7.2	Sep 13	.90	Jan 19 1997
ANNUAL RUNOFF (CFSM)	1.64		1.56		1.85	
ANNUAL RUNOFF (INCHES)	22.27		21.22		25.14	
10 PERCENT EXCEEDS	344		404		403	
50 PERCENT EXCEEDS	110		85		116	
90 PERCENT EXCEEDS	31		21		19	



01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1953, April 1954, October 1960 to September 1961, June 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1975 to September 1993.
pH: December 1984 to September 1992.
WATER TEMPERATURES: March 1975 to April 1993.
DISSOLVED OXYGEN: January 1985 to September 1992.
SUSPENDED-SEDIMENT DISCHARGE: January 1982 to September 1986, October 1987 to September 1990.
INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE: March 1987 to September 1987.
INSTRUMENTATION.--Water-quality 2-channel mini-monitor March 1975 to September 1984, August 1993 to September 1993.
Water-quality 4-channel mini-monitor October 1984 to April 1993.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 257 microsiemens Jan. 1, 1990; minimum, 23 microsiemens February 23, 1978.
pH: Maximum, 8.8 units Oct. 14, 1985, Aug. 9, 18, 19, 1987; minimum 6.2 units Dec. 19, 1986, Jan. 24, March 13, Sept. 30, 1992.
WATER TEMPERATURES: Maximum, 32.0°C Aug. 2, 1975; minimum, 0.0°C on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 17.1 mg/L March 9, 1986; minimum 0.2 mg/L Dec. 3, 1986.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,870 mg/L June 6, 1982; minimum daily mean, 0 mg/L on numerous days.
SEDIMENT LOADS: Maximum daily, 95,400 tons June 6, 1982; minimum daily, 0 tons on numerous days.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
11...	1240	27	109	7.5	16.5	10.5	.9	11.7	95	3k	13k	24	6.45
JAN													
08...	1100	296	112	7.0	4.0	.5	.7	14.5	101	8k	10k	23	6.20
APR													
13...	1335	361	95	7.1	16.0	10.5	.7	11.1	100	13k	15k	18	4.94
JUL													
24...	1345	23	118	7.8	30.0	27.5	.7	8.1	104	19	23	23	6.29

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
11...	1.85	9.8	2.21	.0	17	14	7.9	14.8	<.2	11.0	72	67	<.006
JAN													
08...	1.78	9.9	1.80	.0	12	10	9.8	17.2	<.2	10.7	73	75	<.006
APR													
13...	1.39	8.9	1.45	.0	8	7	8.6	14.6	<.2	6.6	59	72	<.006
JUL													
24...	1.73	11.1	1.76	.0	15	12	7.5	17.6	<.2	8.5	71	68	<.006

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
11...	.082	<.041	--	.17	.18	.25	.008	E.003	<.018	18	E.04	7.3	<.06
JAN													
08...	.347	.043	.14	.18	.17	.53	.008	E.003	<.018	20	.07	8.4	<.06
APR													
13...	.239	<.041	--	.14	.11	.38	.011	E.003	<.018	29	.07	8.5	<.06
JUL													
24...	.143	<.040	--	.22	.14	.36	.007	E.004	<.020	18	E.04	6.1	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
11...	<.04	<.8	.07	.5	230	.12	3.9	<.2	.90	<1.0	1	.02	4.3
JAN													
08...	<.04	<.8	.14	.5	100	.16	16.5	<.2	.68	<1.0	2	E.01	3.0
APR													
13...	<.04	<.8	.14	.9	50	.11	12.8	<.2	.80	<1.0	2	.02	2.9
JUL													
24...	<.04	<.8	.06	.5	80	E.06	5.8	<.2	.36	<1.0	<1	E.01	2.7

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT

LOCATION.--Lat 41°27'05", long 72°27'55", Middlesex County, Hydrologic Unit 01080205, at bridge on State Highway 82, at East Haddam, 1.1 mi downstream from Salmon River and 3.7 mi upstream from Chester Creek.
DRAINAGE AREA.--11,092 mi^2.
PERIOD OF RECORD.--Water years 1968, 1974 to current year.
REMARKS.--Stream tidal affected.

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

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
04...	1000	152	7.6	23.0	16.5	2.0	8.7	89	31k	1k	43	13.3	2.26
DEC													
20...	1205	101	7.8	-1.0	.5	92	14.5	101	600	3000	27	8.50	1.33
FEB													
14...	1045	195	7.6	6.5	1.0	3.0	13.8	97	270	152	41	12.7	2.19
APR													
12...	0900	113	7.4	12.0	6.0	18	12.5	100	120	60	27	8.54	1.45
JUN													
11...	1000	106	7.5	24.5	20.0	4.7	8.7	95	10k	4k	31	10.0	1.51
AUG													
09...	0930	181	7.7	30.5	28.5	2.7	7.1	92	6k	6k	45	14.0	2.34

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
04...	11.4	1.67	.0	39	32	9.7	16.2	E.1	5.2	88	92	.024	.640
DEC													
20...	7.4	1.32	.0	26	21	6.0	11.1	E.1	5.1	65	295	E.003	.289
FEB													
14...	17.6	2.03	.0	34	28	9.4	28.4	<.2	7.1	109	115	.015	.614
APR													
12...	9.5	1.02	.0	19	15	6.8	15.9	<.2	5.5	77	106	E.004	<.047
JUN													
11...	8.1	1.02	.0	28	23	6.9	12.0	<.2	5.4	66	76	.008	.273
AUG													
09...	13.8	2.06	.0	41	34	11.6	22.5	E.1	1.5	98	92	.019	.397

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
04...	.136	.28	.41	.38	1.1	.102	.077	.062	12	.07	16.7	<.06	E.02
DEC													
20...	.066	.93	.99	.20	1.3	.374	.018	E.009	23	.18	11.2	<.06	E.02
FEB													
14...	.210	.35	.56	.39	1.2	.060	.039	.033	19	.07	19.1	<.06	.04
APR													
12...	.046	.42	.47	.17	--	.118	.017	<.018	14	.14	24.4	<.06	.05
JUN													
11...	.045	.29	.33	.23	.60	.058	.026	E.017	17	.06	12.9	<.06	<.04
AUG													
09...	.084	.43	.52	.33	.92	.086	.060	.045	10	.11	19.0	<.06	<.04

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT--Continued

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

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
04...	<.8	.09	2.2	110	.17	16.8	.5	1.34	<1.0	2	.07	3.8
DEC												
20...	<.8	.08	1.3	80	.22	29.5	E.2	.46	<1.0	1	.06	11
FEB												
14...	<.8	.11	1.9	120	.21	36.2	.3	.78	<1.0	3	.10	3.2
APR												
12...	<.8	.20	1.3	70	.09	17.2	.4	.77	<1.0	13	.14	4.4
JUN												
11...	<.8	.06	1.5	70	.17	20.3	.2	.45	<1.0	1	.07	4.0
AUG												
09...	<.8	.06	1.5	10	<.08	.6	.9	.47	<1.0	1	.07	4.0

01194796 CONNECTICUT RIVER AT OLD LYME, CT

LOCATION.--Lat 41°18'45", long 72°20'47", New London County, Hydrologic Unit 01080205, on left bank at Connecticut Department of Environmental Protection Marine Headquarters boat dock gas house, 1,000 ft upstream from railroad bridge, near mouth of Connecticut River.
DRAINAGE AREA.--11,224 mi^2.
PERIOD OF RECORD.--June 1976 to current year
GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Feb. 1978, at site at Lynde Point, at datum 9.68 ft below sea level. Prior to June 1998, at site in jetty lighthouse at the mouth of the Connecticut River, at datum 4.56 ft below sea level. Telephone telemetry at station.
REMARKS.--Stage data in feet at 5-minute intervals available upon request. Station was relocated from Old Saybrook (gage 01194825) to Old Lyme during June 1998.
EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.78 ft, Mar. 7; minimum, -2.78 ft, Feb. 11.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001[a]

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Maximum high tide	Elevation	3.31	4.38	4.45	3.81	3.20	4.78	3.53	3.57	3.45	3.48	3.28	3.90
	Date	16	10	30	9	9	7	10	23	22	19	17	30
	Time	1230	0950	1450	0950	1110	0825	0020	2300	2340	2135	2140	0940
Minimum high tide	Elevation	-1.62	-1.73	-2.71	-1.97	-2.78	-2.24	-1.37	-1.38	-1.37	-1.36	-1.31	-1.15
	Date	11	23	12	10	11	12	5	8	25	23	18	17
	Time	1515	0150	1825	0430	1800	0640	1420	0530	0755	0630	0345	1635

a.Time shown is Eastern standard.

CONNECTICUT RIVER BASIN

RESERVOIRS IN CONNECTICUT RIVER BASIN

01185000 OTIS RESERVOIR.--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., Hydrologic Unit 01080207, on Fall River in West Branch Farmington River basin, 1 mi northeast of Cold Spring. Drainage area, 15.9 mi^2. Usable capacity, 780,000,000 ft^3. Records available, April 1913 to current year. Completed in 1865 for storage of water for power. Records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks.

01185850 COLEBROOK RIVER LAKE.--Lat 42°00'22", long 73°02'12", Litchfield County, Conn., Hydrologic Unit 01080207, on West Branch Farmington River, 1.6 mi upstream from West Branch Reservoir and 3.1 mi north of Riverton. Drainage area, 119 mi^2. Usable capacity, 4,213,000,000 ft^3. Records available, June 1969 to current year. Completed in June 1969 for multi-purpose use. Records furnished by Corps of Engineers.

01185900 WEST BRANCH RESERVOIR.--Lat 41°59'22", long 73°01'15", Hartford County, Hydrologic Unit 01080207, on West Branch Farmington River, 2 mi west of Hartland, and 2 mi north of Riverton. Drainage area, 127 mi^2. Usable capacity, 374,000,000 ft^3. Records available, March 1960 to current year. Completed in April 1960 for future storage of water for municipal supply of Hartford. Presently used to compensate for water diverted from the river. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01186090 MAD RIVER DETENTION RESERVOIR.--Lat 41°55'53", long 73°05'33", Litchfield County, Conn., Hydrologic Unit 01080207, on Mad River in West Branch Farmington River basin, 1.4 mi northwest of Winsted. Drainage area, 18.3 mi^2. Usable capacity, 423,000,000 ft^3, including 8,000,000 ft^3 storage in recreation pool. Records available, September 1964 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.

01186150 SUCKER BROOK RESERVOIR.--Lat 41°54'90", long 73°06'00", Litchfield County, Conn., Hydrologic Unit 01080207, at mouth of Sucker Brook, a tributary of Highland Lake in West Branch Farmington River basin, 2 mi southwest of Winsted. Drainage area, 3.50 mi^2. Usable capacity, 64,500,000 ft^3. Records available, February 1971 to current year. Completed in 1970 by Corps of Engineers for storage of water for flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.

01186160 HIGHLAND LAKE.--Lat 41°55'22", long 73°04'58", Litchfield County, Conn., Hydrologic Unit 01080207, at head of the Lake Stream, a tributary of Mad River in West Branch Farmington River basin, at Winsted, and 0.4 mi upstream from Mad River. Drainage area, 7.05 mi^2. Usable capacity, 144,400,000 ft^3, based on lake survey by Connecticut Board of Fisheries and Game. Records available, September 1936 to current year. Dam raised to its present crest elevation in 1875. Lake used for storage of water for power, recreation, and flood control. Capacity and contents figures computed by U.S. Geological Survey.

01187500 BARKHAMSTED RESERVOIR.--Lat 41°54'38", long 72°57'15", Litchfield County, Conn., Hydrologic Unit 01080207, on East Branch Farmington River, 1.2 mi south of Barkhamsted. Drainage area, 52.5 mi^2. Usable capacity, 4,050,000,000 ft^3. Records available, October 1950 to current year. For period March 1940 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1939 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187600 EAST BRANCH RESERVOIR.--Lat 41°52'49", long 72°57'30", Litchfield County, Conn., Hydrologic Unit 01080207, on East Branch Farmington River in Farmington River basin, 1 mi east of New Hartford. Drainage area, including Barkhamsted Reservoir, 61.2 mi^2. Usable capacity, 393,000,000 ft^3. Records available, October 1950 to current year. For period August 1928 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1919 for storage of water to compensate for water diverted from the river for municipal supply of Hartford. Since the construction of West Branch Reservoir in April 1960, it has been used only for recreation. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187900 NEPAUG RESERVOIR.--Lat 41°49'37", long 72°56'34", Litchfield County, Conn., Hydrologic Unit 01080207, on Nepaug River in Farmington River basin, 1.5 mi northwest of Collinsville. Drainage area, 31.5 mi^2. Usable capacity, 1,270,000,000 ft^3. Records available, August 1928 to current year. Completed in 1918 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01188500 WHIGVILLE RESERVOIR.--Lat 41°44'08", long 72°57'02", Hartford County, Conn., Hydrologic Unit 01080207, on Whigville Brook in Pequabuck River basin, at Whigville. Drainage area, 4.10 mi^2. Usable capacity, 5,050,000 ft^3. Records available, July 1928 to current year. Completed in 1908 for storage of water for municipal supply of New Britain. Records furnished by Board of Water Commissioners, New Britain, Conn.

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01195100 INDIAN RIVER NEAR CLINTON, CT

LOCATION.--Lat 41°18'21", long 72°31'54", Middlesex County, Hydrologic Unit 01100004, on right downstream side of bridge at Hurd Bridge Road, 2.0 mi north of Clinton.
DRAINAGE AREA.--5.68 mi^2.
PERIOD OF RECORD.--July 1961 to September 1973, occasional low-flow measurements. November 1981 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 34.81 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 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	1145	158	3.64	May 26	2315	195	3.90
Mar 22	0645	*271	*4.32	Jun 2	1330	198	3.92
Mar 30	1615	204	3.96	Jun 17	1830	208	3.99

Minimum discharge, 0.18 ft^3/s, on several days, gage height, 1.61 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	.93	.80	6.3	5.0	e16	14	36	5.2	10	4.6	.44	.48
2	.91	.80	4.9	e4.8	e14	12	26	5.0	109	11	.40	.40
3	.83	.86	4.1	e4.6	e12	11	22	4.6	63	4.4	.37	.32
4	.75	.91	3.6	e4.5	e10	9.9	19	4.4	27	3.3	.37	.25
5	.69	.91	3.3	e4.4	9.3	11	17	4.0	19	5.4	.37	.23
6	.70	.95	3.2	e4.3	11	13	17	3.6	14	4.3	.35	.21
7	.74	.94	2.9	e4.3	14	13	19	3.3	11	2.9	.30	.21
8	.70	.91	2.8	e4.2	12	12	24	3.2	8.6	2.6	.26	.24
9	.64	.91	2.5	e4.2	10	16	21	3.2	7.0	3.2	.24	.25
10	.59	9.1	2.4	e4.1	19	22	26	3.1	5.9	2.4	.30	.24
11	.55	9.4	2.9	e4.1	20	20	20	2.7	5.2	1.9	.52	.20
12	.51	4.6	3.7	e4.0	14	20	22	2.5	6.1	1.8	.71	.18
13	.52	3.2	3.3	e4.0	12	99	21	2.0	5.4	1.5	4.5	.18
14	.58	3.1	7.7	4.0	11	61	17	1.8	4.7	1.3	2.3	.37
15	.52	7.0	9.6	5.7	15	38	15	1.6	4.2	1.2	1.2	.39
16	.48	4.6	6.1	9.0	15	30	13	1.5	3.8	1.1	.75	.36
17	.66	3.4	42	8.4	21	32	12	1.5	92	.94	.55	.29
18	.80	2.9	40	7.2	15	29	12	1.5	69	.91	.51	.22
19	1.0	2.5	21	9.8	12	23	10	1.5	22	.82	.51	.19
20	1.0	2.2	17	20	11	20	9.5	1.4	13	.75	6.3	.21
21	1.0	2.0	13	e13	13	22	9.0	1.3	9.6	.63	7.8	2.8
22	.97	1.9	11	e11	11	208	9.3	4.8	8.7	.56	2.7	2.1
23	.91	1.7	8.9	e9.5	9.5	80	8.6	25	8.6	.48	1.4	.83
24	.84	1.5	7.7	e8.5	8.6	37	7.8	35	7.8	.51	.99	.53
25	.90	1.5	7.1	7.5	14	27	7.0	59	6.8	.46	.80	.59
26	.93	8.2	e7.0	7.1	37	22	6.6	68	5.2	2.6	.63	1.1
27	.91	19	e6.0	6.5	23	21	6.3	105	4.2	2.6	.59	.69
28	.85	8.8	5.5	6.1	18	19	5.9	35	3.3	1.1	.76	.50
29	.80	5.7	5.2	6.0	---	17	5.5	23	2.7	.75	.80	.44
30	.80	6.4	4.9	12	---	105	5.4	17	2.2	.62	.68	.77
31	.80	---	5.2	23	---	81	---	13	---	.50	.55	---
TOTAL	23.81	116.69	270.8	230.8	407.4	1144.9	449.9	443.7	559.0	67.13	38.95	15.77
MEAN	.77	3.89	8.74	7.45	14.6	36.9	15.0	14.3	18.6	2.17	1.26	.53
MAX	1.0	19	42	23	37	208	36	105	109	11	7.8	2.8
MIN	.48	.80	2.4	4.0	8.6	9.9	5.4	1.3	2.2	.46	.24	.18
CFSM	.14	.68	1.54	1.31	2.56	6.50	2.64	2.52	3.28	.38	.22	.09
IN.	.16	.76	1.77	1.51	2.67	7.50	2.95	2.91	3.66	.44	.26	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

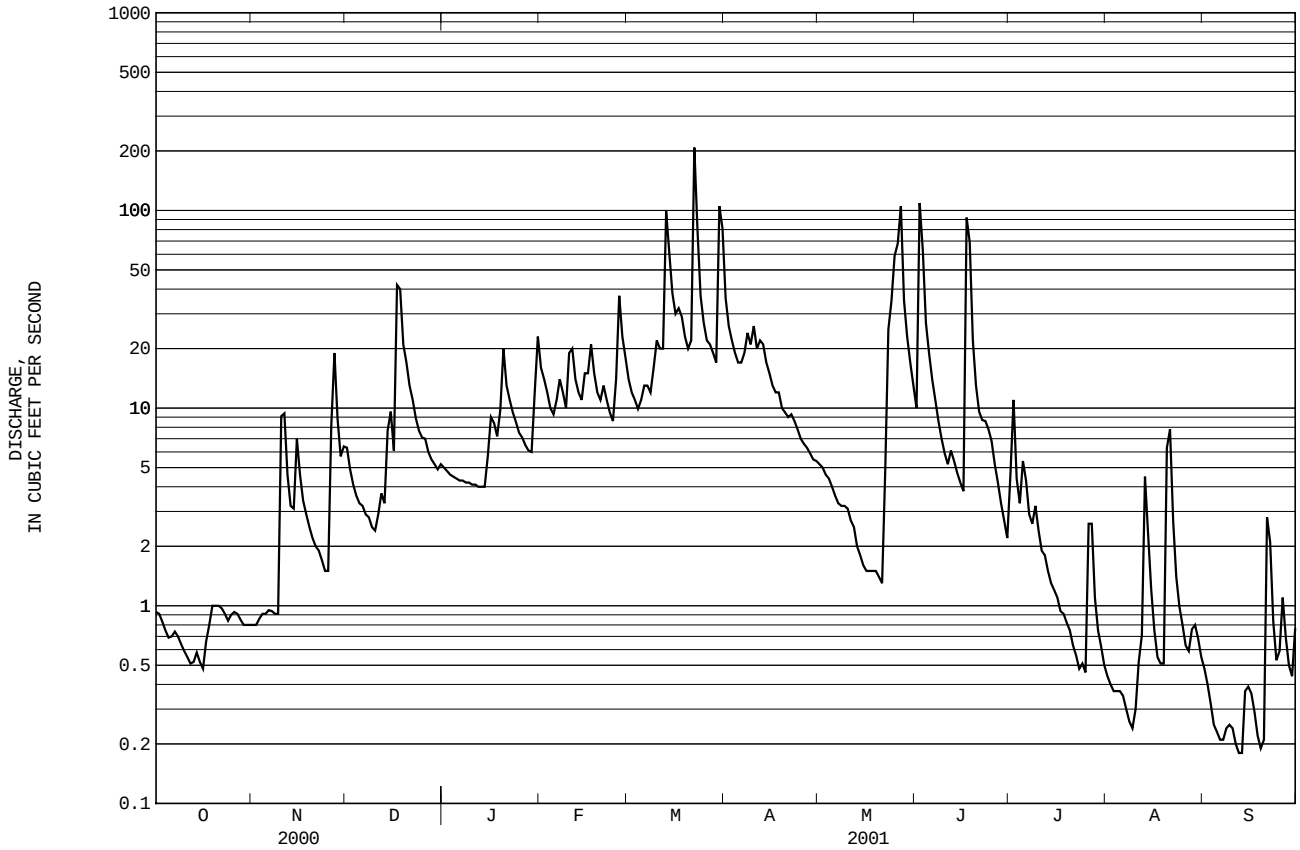
MEAN	4.98	10.1	13.8	14.0	14.5	18.3	17.5	11.2	9.53	2.44	3.14	2.00
MAX	24.0	26.7	36.8	25.2	29.3	37.7	38.9	21.3	57.1	13.4	12.5	7.30
(WY)	1991	1984	1984	1982	1984	1994	1983	1989	1982	1984	1992	1992
MIN	.30	1.98	1.77	4.80	7.42	8.57	6.16	3.55	1.11	.32	.22	.19
(WY)	1998	1999	1999	1985	1985	1990	1985	1986	1994	1999	1993	1997

e Estimated.

01195100 INDIAN RIVER NEAR CLINTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1982 - 2001	
ANNUAL TOTAL	3136.96		3768.85			
ANNUAL MEAN	8.57		10.3		9.85	
HIGHEST ANNUAL MEAN					16.8	1984
LOWEST ANNUAL MEAN					5.84	1988
HIGHEST DAILY MEAN	134	Apr 22	208	Mar 22	576	Jun 6 1982
LOWEST DAILY MEAN	.37	Jul 25	.18	Sep 12	.00	Jul 22 1991
ANNUAL SEVEN-DAY MINIMUM	.49	Jul 19	.21	Sep 7	.02	Aug 9 1993
MAXIMUM PEAK FLOW			271	Mar 22	**a**2600	Jun 6 1982
MAXIMUM PEAK STAGE			4.32	Mar 22	**b**8.29	Jun 6 1982
INSTANTANEOUS LOW FLOW			**d** .18	Sep 11	**c** .00	Jul 22 1991
ANNUAL RUNOFF (CFSM)	1.51		1.82		1.73	
ANNUAL RUNOFF (INCHES)	20.54		24.68		23.56	
10 PERCENT EXCEEDS	19		22		22	
50 PERCENT EXCEEDS	5.4		4.5		5.9	
90 PERCENT EXCEEDS	.80		.51		.52	

a From contracted-opening measurement.
b From digital recorder and floodmarks in gage well.
c Also occurred on July 23, 1991.
d Also occurred on Sep. 12-14, 19, 20.



01195490 QUINNIPIAC RIVER AT SOUTHINGTON, CT

LOCATION.--Lat 41°36'06", long 72°53'03", Hartford County, Hydrologic Unit 01100004, on west bank, 400 ft downstream from bridge on Mill Street, and 500 ft upstream from bridge on Center Street in Southington.
DRAINAGE AREA.--17.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1987 to current year.
GAGE.--Water-stage recorder. Datum of gage is 138.47 ft above sea level. Telephone telemetry at station.
REMARKS.--Records good except those for periods of ice effect, which are fair.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 18	0215	227	5.68	May 27	0245	223	5.58
Mar 22	1715	434	7.27	Jun 12	0615	211	5.47
Mar 30	2245	416	7.13	Jun 17	2030	*559	*8.20

Minimum discharge, 4.1 ft^3/s, Sep. 13, gage height, 2.59 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	9.7	7.8	16	e12	29	29	118	21	27	22	7.7	7.9
2	9.7	7.7	13	e12	25	e25	85	20	61	21	7.3	6.0
3	9.6	7.8	11	e11	22	e23	71	19	98	20	6.8	5.4
4	9.3	8.0	10	e11	e17	e23	62	18	64	20	7.2	7.5
5	9.3	7.9	10	e11	e14	e22	55	17	40	37	7.4	7.2
6	10	7.7	10	e11	19	25	54	15	33	35	6.9	5.6
7	10	7.7	e9.5	e10	19	25	63	15	28	22	6.3	5.2
8	9.1	7.7	e9.0	e10	17	24	66	15	26	23	5.8	4.9
9	8.6	7.8	e8.8	e10	17	24	59	14	24	22	5.4	4.7
10	8.5	47	e8.5	e10	30	29	65	14	22	19	12	4.8
11	8.5	59	e8.4	e9.9	32	31	50	13	34	19	8.8	5.1
12	8.5	21	11	e9.8	21	33	57	13	155	17	8.3	4.6
13	8.5	14	10	e9.8	20	84	53	14	46	16	67	4.5
14	8.4	16	15	e9.7	20	86	44	13	30	15	51	19
15	8.1	24	17	e9.6	23	65	40	12	26	15	15	13
16	8.2	15	13	15	25	67	37	12	24	14	10	6.9
17	9.1	12	98	15	32	78	37	12	321	15	12	5.5
18	11	11	168	14	23	84	34	13	339	15	14	5.1
19	22	10	51	18	e20	74	31	13	92	14	9.2	4.9
20	12	e9.6	33	29	e18	69	30	12	60	13	9.4	9.7
21	9.6	e9.1	25	19	25	74	29	11	54	12	8.9	76
22	8.7	e8.6	e20	15	e21	345	30	31	48	11	7.9	31
23	8.2	e8.2	e19	e13	e18	247	27	91	43	11	7.6	11
24	8.1	e8.1	e17	e12	e18	118	26	108	41	10	8.7	8.1
25	8.2	e7.9	e16	e12	28	88	24	90	37	9.6	7.2	33
26	8.2	24	e15	e11	58	73	23	90	33	14	6.6	29
27	8.1	45	e14	e12	40	64	22	160	29	12	6.5	12
28	8.0	19	e14	e10	33	56	22	61	27	10	7.1	11
29	7.7	14	e13	e10	---	51	21	42	25	9.5	7.1	16
30	7.7	18	e13	21	---	236	21	35	23	8.9	6.5	10
31	7.7	---	e12	37	---	286	---	30	---	8.5	6.6	---
TOTAL	288.3	470.6	708.2	419.8	684	2558	1356	1044	1910	510.5	358.2	374.6
MEAN	9.30	15.7	22.8	13.5	24.4	82.5	45.2	33.7	63.7	16.5	11.6	12.5
MAX	22	59	168	37	58	345	118	160	339	37	67	76
MIN	7.7	7.7	8.4	9.6	14	22	21	11	22	8.5	5.4	4.5
CFSM	.53	.90	1.31	.78	1.40	4.74	2.60	1.94	3.66	.95	.66	.72
IN.	.62	1.01	1.51	.90	1.46	5.47	2.90	2.23	4.08	1.09	.77	.80

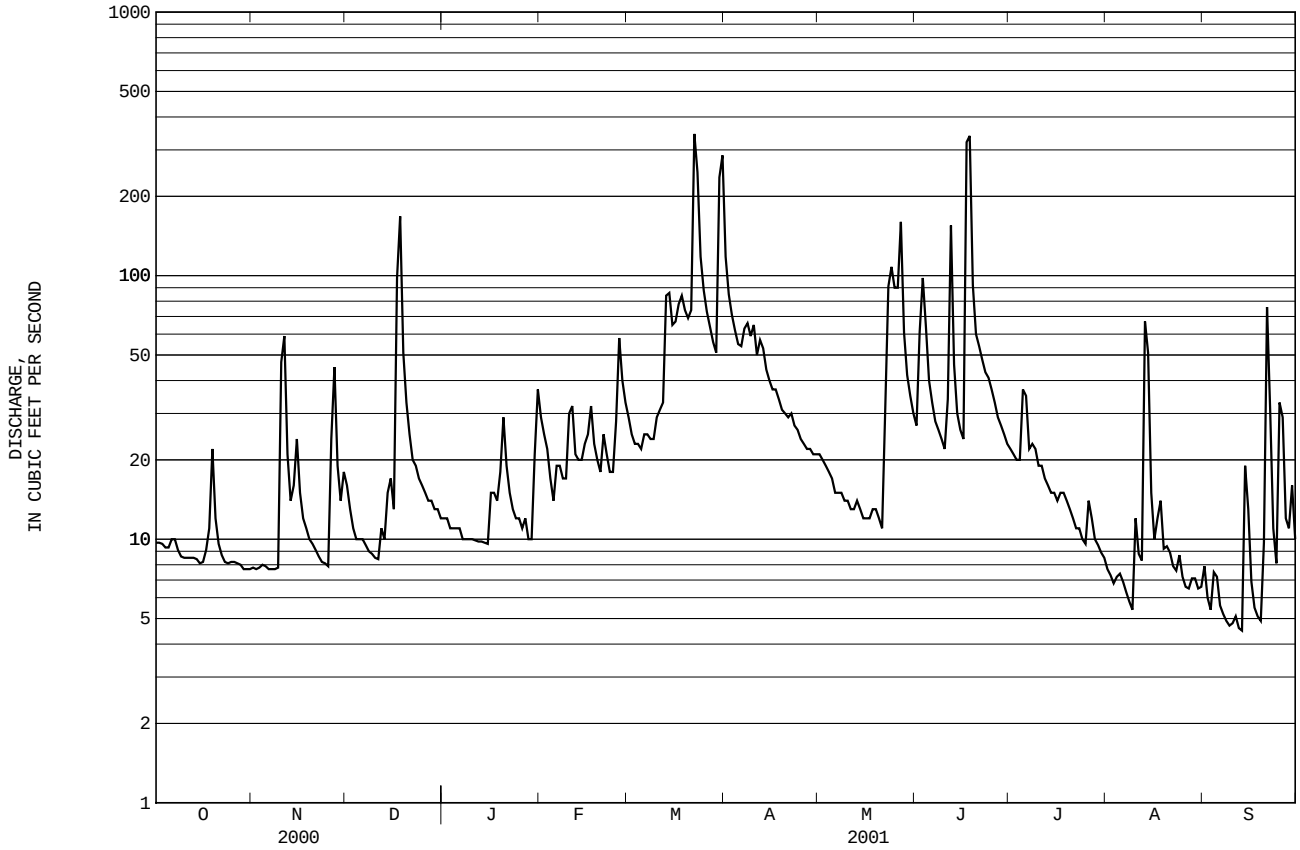
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	27.4	32.8	32.5	37.5	36.9	52.4	45.8	41.5	31.0	20.6	21.1	18.6
MAX	89.9	57.8	80.0	64.7	51.3	84.8	71.1	109	68.5	30.1	55.0	55.2
(WY)	1990	1990	1997	1996	1990	1994	1993	1989	1992	1996	1994	1999
MIN	7.51	12.9	9.28	13.5	19.5	27.2	22.9	20.8	9.30	6.95	5.19	8.54
(WY)	1998	1999	1999	2001	1989	1989	1988	1992	1999	1999	1999	1995

e Estimated.

01195490 QUINNIPIAC RIVER AT SOUTHINGTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	11055.2		10682.2			
ANNUAL MEAN	30.2		29.3		33.8	
HIGHEST ANNUAL MEAN					42.5	1990
LOWEST ANNUAL MEAN					25.4	1995
HIGHEST DAILY MEAN	360	Apr 22	345	Mar 22	810	Oct 21 1989
LOWEST DAILY MEAN	7.7	Oct 29	4.5	Sep 13	3.8	Aug 20 1999
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 28	4.8	Sep 7	4.1	Aug 4 1999
MAXIMUM PEAK FLOW			559	Jun 17	830	Sep 17 1999
MAXIMUM PEAK STAGE			8.20	Jun 17	10.00	Sep 17 1999
INSTANTANEOUS LOW FLOW			4.1	Sep 13	3.7	Aug 7 1999
ANNUAL RUNOFF (CFSM)	1.74		1.68		1.94	
ANNUAL RUNOFF (INCHES)	23.64		22.84		26.40	
10 PERCENT EXCEEDS	59		64		62	
50 PERCENT EXCEEDS	22		15		24	
90 PERCENT EXCEEDS	9.0		7.7		8.9	



01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT

LOCATION.--Lat 41°31'45", long 72°51'50", New Haven County, Hydrologic Unit 01100004, at bridge on Cheshire St., 3 mi west of Meriden, and 1.7 mi upstream from Hanover Pond.
DRAINAGE AREA.--69.6 mi^2.
PERIOD OF RECORD.--Water year 1974 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
20...	1410	69	310	7.5	22.0	12.0	1.9	8.5	79	2700k	3480k	96	30.6
DEC													
18...	1430	700	177	7.0	3.0	4.0	15	11.4	87	360k	6320k	38	11.6
FEB													
13...	1415	62	376	7.8	9.0	2.5	2.0	14.4	104	220	140	98	31.4
APR													
16...	1250	130	271	7.7	16.0	7.5	1.8	11.4	108	300	207	83	26.5
JUN													
26...	1340	146	284	7.4	29.5	20.5	4.2	7.9	87	170	80	99	31.6
JUL													
10...	1250	102	307	7.4	29.0	20.5	3.7	7.8	89	980	335k	99	31.6
AUG													
27...	1315	45	384	7.5	28.0	20.0	1.2	7.5	83	110	92k	120	39.6
SEP													
10...	1330	38	414	7.6	27.5	20.5	1.1	7.8	87	75	79	130	41.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
20...	4.72	20.5	3.54	.0	74	61	14.7	37.0	E.1	11.9	184	197	.008
DEC													
18...	2.32	15.5	1.87	.0	26	21	8.1	27.0	E.1	6.2	105	119	.023
FEB													
13...	4.70	34.8	2.29	.0	71	58	14.8	58.5	E.1	12.4	210	218	.064
APR													
16...	4.11	18.1	1.78	.0	71	58	12.7	33.9	<.2	8.9	170	196	.020
JUN													
26...	4.77	19.3	2.13	.0	81	66	13.4	32.9	E.1	14.2	177	176	.014
JUL													
10...	4.74	20.2	2.31	.0	82	67	12.7	35.7	E.1	13.0	195	218	.010
AUG													
27...	5.72	28.1	3.55	.0	90	75	18.0	47.0	.2	14.5	245	250	E.006
SEP													
10...	5.93	28.8	4.02	.0	101	84	19.0	48.8	.2	14.5	244	255	.010

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
20...	3.20	<.041	--	.42	.27	3.6	.427	.366	.348	5	.24	95.3	E.04
DEC													
18...	.883	.060	.52	.58	.39	1.5	.149	.075	.056	47	.17	42.3	<.06
FEB													
13...	2.76	.049	.24	.29	.26	3.0	.246	.202	.208	7	.11	90.2	<.06
APR													
16...	1.74	E.022	--	.64	.26	2.4	.191	.138	.123	11	.11	79.6	<.06
JUN													
26...	2.29	E.023	--	.35	.30	2.6	.239	.205	.177	9	.08	97.1	<.06
JUL													
10...	3.05	E.027	--	.41	.24	3.5	.330	.281	.279	8	.10	90.8	<.06
AUG													
27...	E6.63	E.032	--	.58	.47	--	.812	.768	E.762	6	.12	122	<.06
SEP													
10...	6.78	<.040	--	.47	.45	7.3	.904	.932	.859	6	.14	123	<.06

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
20...	.08	1.0	.19	3.1	70	.12	28.1	.4	1.82	<1.0	12	.15	4.4
DEC													
18...	.24	<.8	.14	3.2	140	.51	93.9	E.2	1.23	<1.0	13	.06	9.8
FEB													
13...	.15	<.8	.16	1.8	70	.10	116	.2	.69	<1.0	11	.19	2.8
APR													
16...	.12	<.8	.13	2.2	90	.14	65.9	.2	.69	<1.0	8	.21	3.1
JUN													
26...	.10	E.8	.13	2.4	120	.16	56.2	.4	.79	<1.0	7	.22	4.5
JUL													
10...	.09	E.5	.11	3.0	130	.33	35.7	.4	.36	<1.0	7	.19	3.5
AUG													
27...	.11	E.7	.17	4.8	50	.12	41.4	.7	.16	<1.0	13	.23	6.2
SEP													
10...	.11	.8	.17	4.5	40	.12	30.1	.7	<.06	<1.0	12	.25	3.6

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, Hydrologic Unit 01100004, on right bank on Wilbur Cross Highway, 0.8 mi downstream from bridge on Quinnipiac Street in Wallingford, and 2 mi upstream from Wharton Brook.
DRAINAGE AREA.--115 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder, crest-stage gage, and timber control. Datum of gage is 19.24 ft above sea level. Prior to Jan. 27, 1965, at datum 1.00 ft higher. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Wolcott Reservoir, Broad Brook Reservoir, and by mills upstream. Diversion from Wolcott Reservoir for municipal supply of New Britain and diversion into the basin from Merimere and Elmere Reservoirs for municipal supply of Meriden.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2044	1,720	8.14	Mar 31	0729	2,000	9.01
Mar 13	1129	965	6.48	May 26	2000	1,020	6.64
Mar 22	2259	*2,450	*9.77	Jun 18	0715	1,890	8.81

Minimum discharge, 52 ft^3/s, Sep. 13, 20, gage height, 1.68 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	86	72	136	135	228	236	1020	165	200	129	70	63
2	85	72	121	128	205	216	665	161	380	125	68	62
3	84	72	111	124	184	201	537	155	434	118	66	60
4	83	72	106	127	157	194	466	150	372	116	66	60
5	83	73	103	123	152	201	423	145	258	200	68	72
6	88	70	100	124	156	213	410	140	212	262	67	63
7	88	71	96	122	177	211	426	137	189	149	64	60
8	82	73	94	119	156	198	460	133	174	132	62	59
9	78	71	93	122	148	201	443	133	162	136	61	59
10	76	381	90	118	230	228	458	130	151	139	73	58
11	75	364	96	113	249	238	388	126	158	119	86	58
12	74	208	101	113	183	246	392	122	608	114	72	57
13	74	136	100	106	176	703	389	121	351	106	171	56
14	74	135	142	107	168	650	337	116	209	102	211	113
15	73	167	140	121	185	506	302	112	178	98	112	103
16	72	135	126	129	200	491	281	110	162	94	83	73
17	72	115	851	127	248	606	265	109	1040	93	76	63
18	85	106	1060	120	203	626	250	109	1660	96	83	59
19	133	101	527	151	175	533	235	109	702	92	75	58
20	105	97	313	211	174	470	225	106	347	88	102	57
21	88	95	244	166	196	492	219	101	265	85	91	217
22	80	92	212	137	182	2090	225	200	241	82	74	188
23	76	89	190	126	173	1920	214	382	225	79	69	95
24	75	85	173	123	166	1040	206	604	230	78	73	75
25	75	85	163	119	249	703	197	528	198	76	68	98
26	74	201	144	115	436	566	189	635	177	86	63	130
27	75	309	146	114	338	493	184	867	163	88	79	87
28	75	189	143	111	275	427	179	554	151	78	73	74
29	72	136	136	106	---	387	171	324	140	74	74	108
30	72	140	136	207	---	1300	168	255	133	73	65	86
31	72	---	143	273	---	1840	---	220	---	72	62	---
TOTAL	2504	4012	6336	4137	5769	18426	10324	7259	9870	3379	2527	2471
MEAN	80.8	134	204	133	206	594	344	234	329	109	81.5	82.4
MAX	133	381	1060	273	436	2090	1020	867	1660	262	211	217
MIN	72	70	90	106	148	194	168	101	133	72	61	56

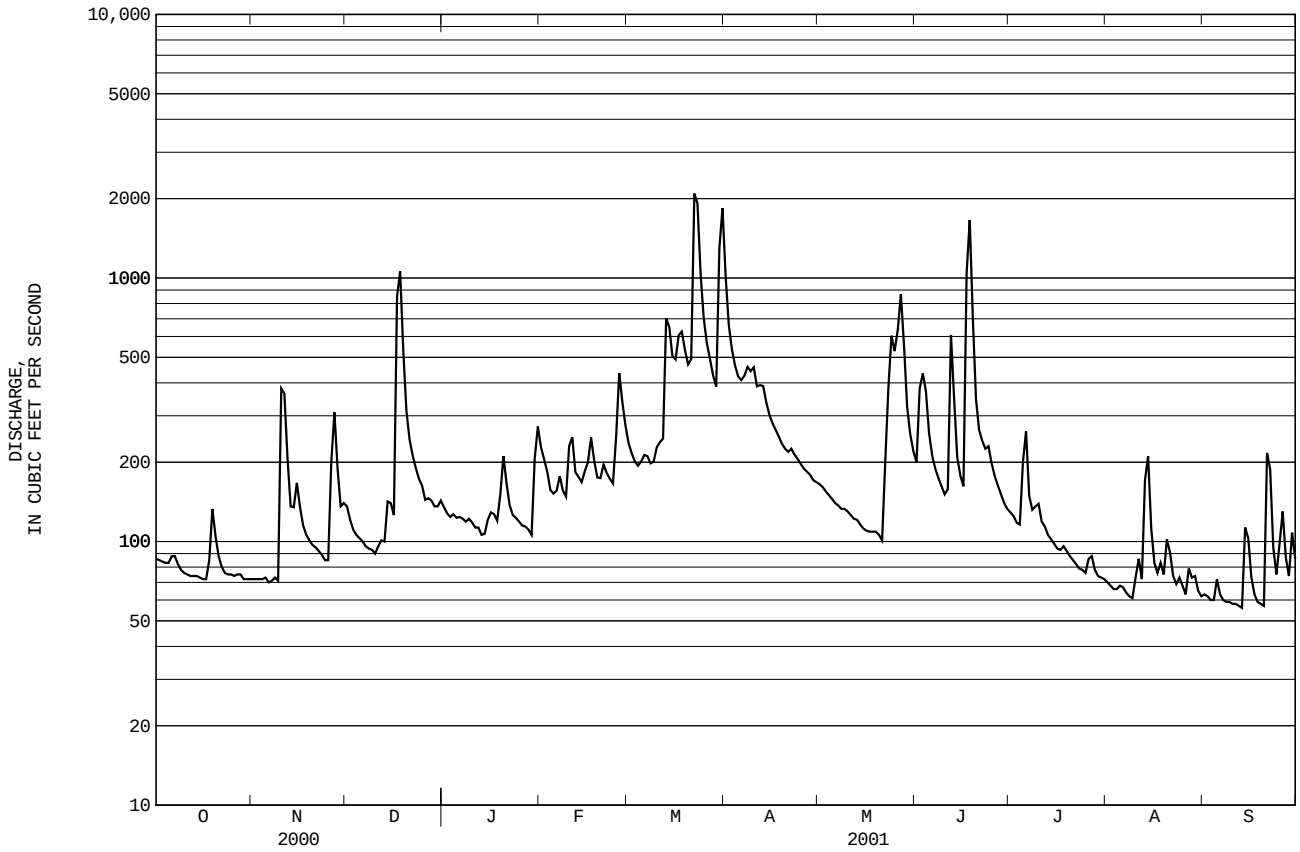
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

MEAN	133	187	230	260	273	386	358	248	187	118	110	113
MAX	554	658	657	890	611	792	1169	756	920	357	411	563
(WY)	1956	1956	1997	1979	1970	1953	1983	1989	1982	1972	1955	1938
MIN	45.5	47.6	57.9	52.0	101	164	107	88.1	61.4	37.5	27.1	41.7
(WY)	1931	1966	1966	1966	1934	1985	1966	1941	1957	1966	1966	1986

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	76610		77014			
ANNUAL MEAN	209		211		216	
HIGHEST ANNUAL MEAN					357	1984
LOWEST ANNUAL MEAN					84.6	1966
HIGHEST DAILY MEAN	2310	Apr 22	2090	Mar 22	7210	Jun 6 1982
LOWEST DAILY MEAN	70	Nov 6	56	Sep 13	9.0	Nov 2 1930
ANNUAL SEVEN-DAY MINIMUM	72	Nov 1	58	Sep 7	16	Aug 28 1966
MAXIMUM PEAK FLOW			2450	Mar 22	8200	Jun 6 1982
MAXIMUM PEAK STAGE			9.77	Mar 22	14.02	Jun 6 1982
INSTANTANEOUS LOW FLOW			**a**52	Sep 13	8.0	Nov 2 1930
10 PERCENT EXCEEDS	365		439		420	
50 PERCENT EXCEEDS	160		133		150	
90 PERCENT EXCEEDS	84		72		61	

a Also occurred Sep. 20



01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-54, 1957, 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1969 to December 1970.
WATER TEMPERATURES: November 1969 to December 1970.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 530 microsiemens July 16, 1970; minimum recorded, 47 microsiemens July 4, 1970.
WATER TEMPERATURES: Maximum, 31.0°C July 28, 1970; minimum, 0.0°C on many days during winter periods.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
20...	1135	103	372	7.6	22.0	12.0	3.2	8.7	80	11000k	11200k	120	36.9
DEC													
18...	1200	1050	208	7.3	3.0	5.5	28	11.5	91	4500k	4340k	46	14.2
FEB													
13...	1200	171	452	7.8	8.5	3.0	2.9	14.3	105	170	84	110	32.7
APR													
16...	1100	279	299	7.8	19.0	11.5	2.6	11.1	103	2100	302k	92	28.4
JUN													
26...	1040	177	298	7.5	28.0	21.5	5.2	7.7	87	150	40	99	30.7
JUL													
10...	1015	138	330	7.5	30.5	21.5	4.5	8.2	94	310k	480	110	33.3
AUG													
27...	1105	61	399	7.6	28.0	22.0	2.8	7.8	90	200	70	120	38.0
SEP													
10...	1100	57	433	7.6	28.0	22.0	2.6	7.5	85	440	48	120	38.8

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
20...	6.24	26.6	4.16	.0	103	84	19.6	40.7	.2	12.5	221	239	.148
DEC													
18...	2.63	18.1	1.89	.0	34	28	9.3	30.6	<.2	6.2	119	157	.021
FEB													
13...	5.91	43.3	2.29	.0	83	68	17.1	76.0	E.1	11.3	249	254	.155
APR													
16...	5.01	21.0	2.14	.0	79	65	14.4	37.7	E.1	8.6	181	204	.031
JUN													
26...	5.38	21.0	2.19	.0	84	69	15.5	36.7	E.1	13.3	183	182	.045
JUL													
10...	5.78	22.6	2.63	.0	88	72	15.3	38.5	E.1	12.7	208	220	.056
AUG													
27...	6.52	29.7	3.73	.0	100	83	21.6	51.1	.3	11.1	242	246	E.023
SEP													
10...	6.72	33.2	4.26	.0	105	87	25.4	53.3	.3	10.9	241	255	.033

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
20...	3.88	.550	.65	1.2	.95	5.1	1.12	1.03	.936	4	.28	101	E.03
DEC													
18...	.971	.125	1.0	1.2	.50	2.1	.269	.106	.076	30	.27	49.0	<.06
FEB													
13...	2.13	.124	.40	.52	.35	2.7	.177	.106	.093	7	.26	93.9	<.06
APR													
16...	1.46	.164	.96	1.1	.44	2.6	.220	.135	.118	12	.19	86.2	<.06
JUN													
26...	2.26	E.036	--	.42	.35	2.7	.245	.193	.166	8	.15	94.0	<.06
JUL													
10...	3.02	.057	.38	.43	.28	3.5	.400	.349	.337	7	.23	90.7	<.06
AUG													
27...	E4.44	<.040	--	.48	.37	--	.300	.245	E.211	6	.31	114	<.06
SEP													
10...	4.38	<.040	--	.53	.44	4.9	.382	.367	.304	5	.32	92.8	<.06

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
20...	.11	.8	.86	4.4	40	.18	182	5.8	3.47	<1.0	12	.22	5.6
DEC													
18...	.11	<.8	.16	6.1	130	.51	92.7	.7	1.49	<1.0	10	.07	11
FEB													
13...	.15	<.8	.39	3.1	80	.24	130	2.6	5.40	<1.0	13	.25	3.4
APR													
16...	.08	<.8	.28	3.1	100	.25	109	1.5	1.55	<1.0	7	.26	2.1
JUN													
26...	.07	E.5	.15	3.2	50	.14	62.0	1.4	1.41	<1.0	4	.21	5.1
JUL													
10...	.07	<.8	.19	3.4	50	.21	43.9	2.1	1.30	<1.0	5	.21	4.2
AUG													
27...	.09	E.5	.75	4.3	50	.16	63.6	4.5	3.27	<1.0	6	.21	4.3
SEP													
10...	.16	E.6	2.26	5.3	50	.20	68.0	11.6	3.98	<1.0	8	.27	5.5

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT

LOCATION.--Lat 41°23'24", long 72°52'19", New Haven County, Hydrologic Unit 01100004, at bridge on U.S. Highway 5, at North Haven, 2.3 mi downstream from Wharton Brook and 0.9 mi upstream from Watermans Brook.
DRAINAGE AREA.--128 mi^2.
PERIOD OF RECORD.--Water year 1974 to current year.
REMARKS.--Stream tidal affected.

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

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
20...	0945	376	7.6	22.0	12.5	5.7	7.8	72	2900	680	120	36.0	6.27
DEC													
18...	1000	224	7.5	1.5	5.5	37	10.5	83	4300	>60k	50	15.2	2.81
FEB													
13...	1020	445	7.7	5.0	2.0	3.4	12.9	92	1300k	224	100	31.9	5.97
APR													
16...	0930	311	7.6	12.0	12.0	2.9	9.6	89	2800	3900	92	28.5	4.96
JUN													
26...	0845	316	7.5	28.0	21.0	13	6.7	74	210	80	100	30.9	5.62
JUL													
10...	0850	338	7.5	29.0	21.5	6.5	6.4	74	430k	460k	100	31.5	5.66
AUG													
27...	0920	420	7.5	27.5	22.0	4.2	5.5	63	240k	188	120	37.2	6.91
SEP													
10...	0930	466	7.6	27.0	22.0	4.2	5.5	62	130	115	130	38.7	7.20

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
20...	28.7	4.04	.0	101	83	19.9	41.9	.2	11.8	229	244	.071	4.21
DEC													
18...	20.3	2.09	.0	37	30	9.4	33.9	<.2	6.0	127	164	.023	1.27
FEB													
13...	41.2	2.51	.0	88	72	19.2	71.3	E.1	10.9	247	251	.096	2.44
APR													
16...	21.1	<.09	.0	79	65	14.9	38.5	E.1	8.5	184	190	.039	1.72
JUN													
26...	24.5	2.48	.0	88	72	16.8	38.9	.2	13.2	191	216	.059	2.46
JUL													
10...	26.9	3.27	.0	93	76	15.5	38.2	.2	11.7	212	246	.042	2.81
AUG													
27...	36.0	4.11	.0	112	97	21.9	52.5	.3	11.4	261	270	E.107	E4.71
SEP													
10...	40.5	4.84	.0	118	98	24.2	54.5	.3	11.0	266	276	.110	5.89

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
20...	.096	2.5	2.6	2.3	6.8	.554	.481	.444	4	.30	97.2	E.05	.11
DEC													
18...	.170	1.4	1.6	.73	2.8	.377	.151	.117	24	.24	50.9	<.06	.13
FEB													
13...	.257	1.1	1.4	1.4	3.8	.194	.171	.164	5	.38	89.5	<.06	.16
APR													
16...	.245	--	--	.91	--	--	.153	.133	7	.20	87.4	<.06	.09
JUN													
26...	.069	1.4	1.5	1.3	4.0	.363	.262	.225	8	.20	92.4	<.06	.09
JUL													
10...	.063	1.8	1.8	1.4	4.6	.540	.451	.430	7	.32	85.6	<.06	.10
AUG													
27...	E.403	--	3.1	2.8	--	.576	.523	E.468	6	.33	116	<.06	.12
SEP													
10...	.169	3.9	4.1	3.9	10	.733	.678	.605	5	.30	98.9	<.06	.17

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT--Continued

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

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
20...	E.6	.68	5.1	50	.31	61.5	11.5	4.23	<1.0	14	.26	7.2
DEC												
18...	<.8	.20	7.4	100	.61	113	1.0	2.11	<1.0	11	.07	9.8
FEB												
13...	<.8	.53	3.8	70	.28	120	3.7	7.78	<1.0	14	.23	4.8
APR												
16...	<.8	.26	3.6	110	.25	99.3	2.0	2.11	<1.0	8	.21	2.1
JUN												
26...	E.7	.20	3.9	50	.20	76.0	2.5	2.17	<1.0	6	.22	6.6
JUL												
10...	<.8	.28	4.3	40	.22	46.1	4.1	2.49	<1.0	6	.20	6.3
AUG												
27...	E.6	.68	5.1	50	.18	92.7	6.8	3.78	<1.0	8	.23	6.6
SEP												
10...	E.4	2.36	6.0	40	.23	92.5	12.6	4.85	<1.0	9	.29	9.6

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RESERVOIRS IN QUINNIPIAC RIVER BASIN

01195800 WOLCOTT RESERVOIR.--Lat 41°36’35”, long 72°05’08”, New Haven County, Conn., Hydrologic Unit 01100004, on Roaring Brook in Eightmile River basin, 2.1 mi northeast of Wolcott. Drainage area, 2.45 mi^2. Completed in 1904 for storage of water for municipal supply of city of New Britain. Usable capacity, 22,700,000 ft^3. Records available, September 1960 to current year. Records furnished by Board of Water Commissioners, New Britain, Conn.

01196225 BROAD BROOK RESERVOIR.--Lat 41°31’20”, long 72°51’34”, New Haven County, Conn., Hydrologic Unit 01100004, on Broad Brook in Quinnipiac River basin, 3 mi southwest of Meriden. Drainage area, 4.85 mi^2. Completed in 1907 for storage of water for municipal supply of city of Meriden. Usable capacity, 134,000,000 ft^3. Records available, September 1970 to current year. Records furnished by Water Department, city of Meriden, Conn.

01196620 MILL RIVER NEAR HAMDEN, CT

LOCATION.--Lat 41°25'15", long 72°54'12", New Haven County, Hydrologic Unit 01100004, 150 ft downstream from bridge on Mount Carmel Avenue, 0.4 mi downstream from Eatons Brook, and 2.5 mi north of Hamden.
DRAINAGE AREA.--24.5 mi^2.
PERIOD OF RECORD.--October 1968 to September 1970, October 1978 to current year.
GAGE.--Water-stage recorder and broad-crested concrete weir. Datum of gage is 82.57 ft above sea level. October 1, 1968, to September 30, 1970, 150 ft upstream at datum 0.73 ft higher.
REMARKS.--Records good except those for periods of ice effect, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2200	440	2.75	May 26	2130	546	2.96
Mar 22	0500	*865	*3.53	Jun 17	1915	638	3.13
Mar 30	1630	733	3.29				

Minimum discharge, 4.4 ft^3/s, Sep. 12, 13, 14, gage height, 1.17 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	12	7.4	25	e23	56	59	203	37	52	27	7.9	5.9
2	12	7.4	21	e22	50	54	154	36	135	26	7.5	6.0
3	12	7.6	19	e22	43	50	127	34	93	23	7.2	5.7
4	10	8.0	17	e21	e30	48	110	32	68	24	7.7	5.8
5	11	8.0	17	e20	e26	49	100	30	55	38	7.9	6.4
6	13	7.8	17	e20	e26	50	99	28	48	40	7.3	5.5
7	13	8.0	16	e20	37	47	100	27	44	26	6.5	5.2
8	11	8.0	15	e20	32	44	121	27	40	26	5.9	5.2
9	9.7	8.0	e14	e19	31	46	101	27	36	25	5.4	4.8
10	9.4	74	e13	e19	50	50	110	26	34	23	8.0	4.8
11	9.4	64	e12	e19	e38	52	88	24	33	21	7.5	4.8
12	8.8	31	19	e18	e35	54	107	23	52	19	7.1	4.4
13	8.7	21	16	e18	e34	198	94	22	37	18	18	4.4
14	8.7	20	28	e18	36	155	81	21	33	17	16	16
15	8.4	28	29	e18	42	126	74	20	30	16	9.1	9.9
16	8.0	19	25	25	43	136	69	19	28	15	7.4	6.6
17	8.0	16	243	24	56	195	66	19	321	15	7.0	5.8
18	10	15	239	23	e35	177	63	19	263	15	7.7	5.3
19	19	14	92	32	e33	144	58	19	87	14	6.3	5.1
20	11	13	69	47	e32	131	56	17	62	13	16	8.8
21	9.4	13	51	e30	45	141	54	17	54	12	15	36
22	8.8	12	46	e27	39	708	54	49	52	12	7.9	15
23	8.5	12	40	e24	37	417	49	155	49	11	7.2	7.5
24	8.7	11	35	e22	34	226	49	144	48	10	9.7	5.8
25	8.7	11	e30	e21	64	168	45	199	41	9.9	6.9	21
26	8.3	62	e28	e19	122	141	44	253	36	14	6.0	13
27	7.8	80	e26	e19	85	121	43	291	33	12	15	7.2
28	7.6	37	e25	e18	71	107	41	125	30	10	14	6.0
29	6.8	26	e24	e18	---	97	39	88	28	10	8.4	6.2
30	7.2	29	e24	47	---	468	37	69	27	9.2	6.5	5.5
31	7.4	---	e23	72	---	397	---	59	---	8.4	6.2	---
TOTAL	302.3	678.2	1298	765	1262	4856	2436	1956	1949	559.5	276.2	249.6
MEAN	9.75	22.6	41.9	24.7	45.1	157	81.2	63.1	65.0	18.0	8.91	8.32
MAX	19	80	243	72	122	708	203	291	321	40	18	36
MIN	6.8	7.4	12	18	26	44	37	17	27	8.4	5.4	4.4
CFSM	.40	.92	1.71	1.01	1.84	6.39	3.31	2.58	2.65	.74	.36	.34
IN.	.46	1.03	1.97	1.16	1.92	7.37	3.70	2.97	2.96	.85	.42	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2001, BY WATER YEAR (WY)

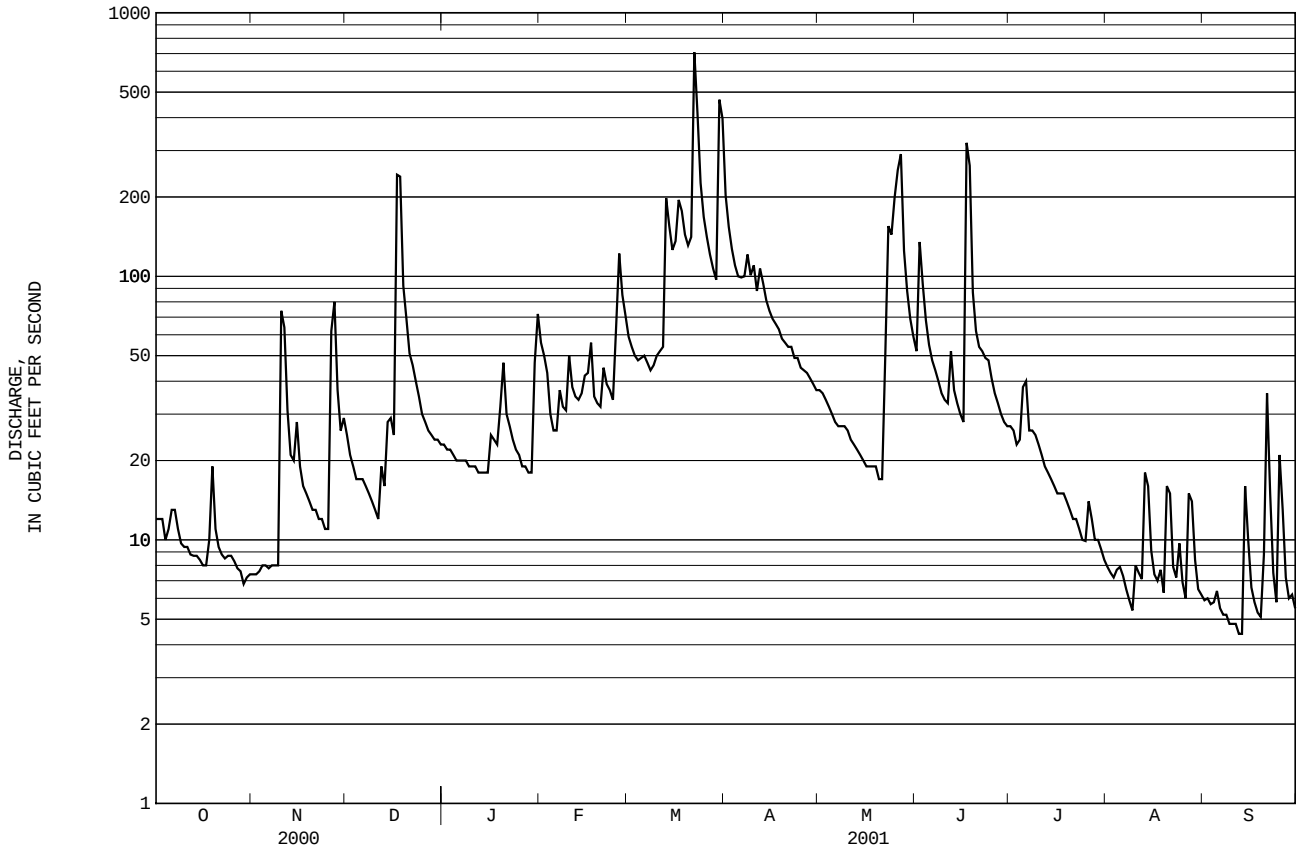
MEAN	23.6	39.3	55.8	60.9	63.1	89.7	92.8	58.9	53.3	19.2	18.8	13.8
MAX	123	99.1	192	258	108	183	317	169	411	58.2	70.0	38.6
(WY)	1990	1990	1984	1979	1984	1983	1983	1989	1982	1984	1989	1999
MIN	4.64	9.72	9.31	8.96	16.5	38.0	20.9	18.9	8.92	5.04	1.84	2.29
(WY)	1998	1982	1999	1981	1980	1985	1985	1986	1999	1995	1999	1995

e Estimated.

01196620 MILL RIVER NEAR HAMDEN, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1969 - 2001	
ANNUAL TOTAL	17202.5		16587.8			
ANNUAL MEAN	47.0		45.4		49.0	
HIGHEST ANNUAL MEAN					85.1	1984
LOWEST ANNUAL MEAN					18.7	1985
HIGHEST DAILY MEAN	664	Apr 22	708	Mar 22	4300	Jun 6 1982
LOWEST DAILY MEAN	6.8	Oct 29	4.4	Sep 12	.15	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	7.3	Oct 28	4.8	Sep 7	.21	Sep 6 1995
MAXIMUM PEAK FLOW			865	Mar 22	**a**5580	Jun 6 1982
MAXIMUM PEAK STAGE			3.53	Mar 22	**b**9.53	Jun 6 1982
INSTANTANEOUS LOW FLOW			**d**4.4	Sep 12	**c** .15	Sep 12 1995
ANNUAL RUNOFF (CFSM)	1.92		1.85		2.00	
ANNUAL RUNOFF (INCHES)	26.12		25.19		27.17	
10 PERCENT EXCEEDS	91		107		100	
50 PERCENT EXCEEDS	33		24		29	
90 PERCENT EXCEEDS	11		7.3		6.6	

a From contracted opening measurement 0.7 mi downstream.
b From floodmarks.
c Also occurred on Sep. 13, 1995.
d Also occurred on Sep. 13, 14.



01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA

LOCATION.--Lat 42°04'29", long 73°20'02", Berkshire County, Hydrologic Unit 01100005, 2.5 mi downstream from Soda Creek, 3.1 mi upstream from Konkapot River.
DRAINAGE AREA.--465 mi^2.
PERIOD OF RECORD.--October 1991 to current year.
PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: March 1994 to September 1995.
SUSPENDED-SEDIMENT DISCHARGE: March 1994 to September 1995.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 94 mg/L, March 9, 1995, minimum daily mean, 1 mg/L on several days.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 962 tons, April 8, 1994, minimum daily 0.41 tons, Aug. 25, 1995.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
13...	1045	731	292	8.1	5.5	8.0	2.4	10.6	91	160k	152k	110	29.5
JAN													
24...	1215	413	413	8.0	1.5	.5	2.1	12.9	91	100	70	140	36.4
MAR													
19...	1135	771	426	8.2	6.0	3.5	2.4	13.1	100	74	86	130	34.7
MAY													
02...	1000	857	307	8.1	28.0	15.5	5.5	8.6	98	6k	2k	110	30.4
JUN													
14...	1200	758	324	8.0	31.0	21.5	7.3	8.0	93	34k	28k	130	33.0
JUL													
17...	1030	269	344	8.2	21.0	21.0	2.0	7.7	89	64k	55	130	33.0
AUG													
14...	1120	239	436	8.4	33.0	24.0	2.0	7.0	85	190	108	160	38.9
SEP													
19...	1045	102	459	8.3	24.5	18.0	1.5	7.8	84	53	33	160	38.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
13...	9.57	13.5	1.70	.0	128	105	9.0	17.7	<.2	3.7	159	165	.006
JAN													
24...	12.4	27.3	1.70	.0	160	131	11.8	40.6	<.2	5.1	217	231	.008
MAR													
19...	11.1	28.6	1.39	.0	144	118	10	51.7	<.2	3.1	238	234	.008
MAY													
02...	9.41	15.2	1.12	.0	124	102	9.0	27.3	<.2	2.3	173	190	E.004
JUN													
14...	10.7	16.5	1.13	.0	124	102	9.0	27.2	<.2	3.2	172	37	.006
JUL													
17...	11.3	18.0	1.41	.0	138	113	9.9	29.9	<.2	2.8	197	194	.012
AUG													
14...	14.2	29.6	2.37	.0	166	138	16.8	40.5	E.1	3.1	234	216	.007
SEP													
19...	14.8	29.3	3.19	.0	173	144	19.4	43.5	<.2	1.4	240	243	.014

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
13...	.416	E.035	--	.35	.27	.77	.039	.023	E.010	8	.11	11.2	<.06
JAN													
24...	.762	.141	.24	.38	.36	1.1	.045	.022	.022	6	.32	13.5	<.06
MAR													
19...	.461	E.036	--	.30	.22	.76	.030	.013	<.018	9	.08	12.0	<.06
MAY													
02...	.368	<.041	--	.25	.16	.62	.039	.012	E.016	23	.07	12.3	<.06
JUN													
14...	.529	<.040	--	.44	.22	.97	.051	.021	<.020	16	.09	12.8	<.06
JUL													
17...	.550	<.040	--	.34	.27	.89	.046	.021	E.012	11	.12	13.9	<.06
AUG													
14...	.752	E.031	--	.51	.41	1.3	.063	.039	.032	12	.21	17.0	<.06
SEP													
19...	1.22	<.040	--	.43	.37	1.7	.083	.067	.047	10	.24	14.1	<.06

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA--Continued

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

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
13...	<.04	<.8	.10	1.0	60	.14	16.6	.3	.27	<1.0	1	.34	4.0
JAN													
24...	E.02	<.8	.16	1.1	80	.13	86.8	.4	.21	<1.0	2	.53	4.0
MAR													
19...	E.02	<.8	.16	.9	100	.12	62.8	.3	.23	<1.0	1	.43	3.2
MAY													
02...	<.04	E.8	.14	1.0	60	.13	47.4	.4	.06	<1.0	2	.41	5.1
JUN													
14...	<.04	<.8	.13	1.5	40	.10	20.5	.5	.45	<1.0	<1	.39	3.6
JUL													
17...	E.02	<.8	.14	1.5	50	.11	48.8	.6	<.06	<1.0	1	.39	3.9
AUG													
14...	E.03	<.8	.17	1.8	20	E.06	18.0	1.0	.12	<1.0	<1	.49	4.2
SEP													
19...	E.02	<.8	.17	2.5	20	E.06	40.8	1.0	<.06	<1.0	1	.55	3.6

01198990 FALLS VILLAGE RESERVOIR AT FALLS VILLAGE, CT

LOCATION.--Lat 41°57'45", long 73°22'18", Litchfield County, Hydrologic Unit 01100005, on Housatonic River at Great Falls, 0.4 mi upstream from hydroelectric plant of Connecticut Light and Power Company and gaging station at Falls Village, 0.9 mi downstream from Hollenbeck River and 2.0 mi upstream from Salmon Creek.
DRAINAGE AREA.--633 mi^2.
PERIOD OF RECORD.--Water years 1921, 1956 to current year.

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1955 to current year.
COOPERATION.--Records were furnished by the Connecticut Light and Power Company.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 28.5°C Aug 10, 2001; minimum daily, 0.0°C on many days during winter periods.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.5°C Aug. 10; minimum daily, 0.0°C on numerous days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
ONCE DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.5	6.5	4.0	.0	.0	.5	1.5	13.0	14.5	25.0	23.0	23.5
2	13.5	6.5	3.0	.0	.0	.5	2.0	15.0	15.5	23.0	23.5	23.0
3	14.0	7.0	1.5	.0	.0	1.0	3.0	16.5	14.5	21.5	24.5	22.5
4	14.5	7.5	.5	.0	.0	1.5	4.0	18.5	15.0	20.5	24.5	22.0
5	14.0	8.0	.0	.0	.0	1.5	4.5	19.0	14.5	21.0	23.5	21.5
6	14.0	8.0	.0	.0	.0	.0	5.0	18.5	15.5	21.5	24.0	21.0
7	13.5	8.0	.0	.0	.0	.0	4.5	16.5	16.0	20.5	25.0	20.5
8	13.0	8.0	.0	.0	.0	.0	4.5	16.0	16.5	21.0	26.0	20.5
9	11.0	8.0	.0	.0	.0	1.0	4.0	16.0	17.0	20.5	26.5	21.0
10	10.0	8.0	.0	.0	.0	1.0	6.0	16.5	19.0	22.0	28.5	21.5
11	9.5	9.0	.0	.0	.0	1.0	6.5	17.5	18.5	23.0	28.0	21.5
12	9.5	9.0	.0	.0	.0	1.5	6.0	18.5	18.5	23.5	27.5	21.5
13	10.0	8.5	.0	.0	.0	2.0	6.5	18.5	20.0	21.5	25.5	21.0
14	10.5	8.0	.0	.0	.0	2.0	7.0	18.0	20.5	21.0	25.0	21.0
15	13.0	7.5	.0	.0	.0	2.0	7.5	16.5	22.0	20.0	24.5	19.5
16	13.0	6.0	.0	.0	.5	3.0	8.5	16.0	23.5	21.5	24.5	18.0
17	10.0	6.5	.0	.0	.5	3.5	8.5	16.0	24.0	21.5	25.0	17.5
18	9.5	6.0	1.5	.0	.5	4.0	8.0	14.5	21.5	21.5	24.0	15.5
19	11.0	5.0	.5	.0	.0	3.0	7.5	14.5	22.0	22.0	24.0	15.5
20	11.0	4.5	.5	.0	.0	3.5	7.5	15.5	23.0	22.0	24.0	17.0
21	10.5	4.0	.0	.0	1.0	4.0	8.5	17.0	23.5	23.0	24.0	18.0
22	11.0	3.5	.0	.0	.5	3.5	9.5	18.0	21.5	23.5	24.0	18.5
23	10.5	3.0	.0	.0	.0	1.5	12.0	17.5	21.5	24.0	24.0	19.5
24	10.0	1.5	.0	.0	.0	1.0	13.0	16.0	21.0	25.0	23.5	19.5
25	10.0	.5	.0	.0	.5	1.5	13.0	15.5	20.5	26.0	23.5	19.5
26	10.5	1.5	.0	.0	.5	1.0	12.5	15.0	21.5	26.5	23.5	19.0
27	11.5	3.0	.0	.0	.5	1.0	12.5	15.0	23.0	25.0	23.5	17.5
28	11.5	3.5	.0	.0	.5	1.5	12.5	15.0	24.0	24.5	23.5	16.0
29	10.5	4.0	.0	.0	---	2.0	12.5	15.5	24.0	23.0	23.5	15.5
30	8.5	4.0	.0	.0	---	3.0	12.5	15.5	24.0	22.5	23.5	14.5
31	7.0	---	.0	.0	---	1.5	---	15.0	---	22.5	23.5	---
MEAN	11.0	6.0	.5	.0	.0	1.5	7.5	16.5	20.0	22.5	24.5	19.5

WTR YR 2001 MEAN 11.0 MAX 28.5 MIN .0

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01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CT

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, Hydrologic Unit 01100005, on left bank at hydroelectric plant of Connecticut Light and Power Company at Falls Village, 1.4 mi downstream from Hollenbeck River, and at mile 75.9.
DRAINAGE AREA.--634 mi^2.
PERIOD OF RECORD.--Discharge: July 1912 to current year. Water-quality records: Water years 1974-80.
REVISED RECORDS.--WSP 781: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 529.06 ft above sea level (levels by Corps of Engineers). Prior to Oct. 26, 1964, at site 0.6 mi downstream at datum 6.72 ft lower.
REMARKS.--No estimated daily discharges. Records good. Low flow completely regulated by power plant of Connecticut Light and Power Company. High flow is regulated by flood-control reservoirs from 20.5 mi^2 in the Blackberry River Basin, but does not affect monthly runoff appreciably.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 18	1715	5,610	7.16	Apr 16	1130	5,930	7.40
Mar 31	1215	3,830	5.85	Jun 4	1830	4,640	6.45
Apr 11	2400	*7,500	*8.56				

Minimum discharge, 125 ft^3/s, Dec. 9, gage height, 1.66 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	432	484	728	808	876	729	3260	1070	870	641	203	135
2	472	490	692	764	867	749	2550	970	1270	710	191	135
3	478	482	616	758	763	740	2150	918	3870	658	185	137
4	481	477	547	758	635	738	2180	777	4530	518	344	138
5	426	486	541	755	638	701	2370	749	4520	499	506	141
6	614	470	546	754	570	659	2700	738	3900	604	299	141
7	985	458	538	721	710	839	3280	667	2640	562	261	141
8	1040	459	525	697	667	785	3780	619	1750	502	258	141
9	839	458	493	696	604	718	4860	596	1440	444	245	141
10	714	531	523	699	873	738	6350	585	1150	397	213	141
11	632	1020	527	707	1250	714	7330	559	992	421	228	141
12	585	1050	512	679	974	676	7370	526	994	554	258	138
13	510	903	552	589	1060	745	7040	469	1000	499	261	141
14	484	830	535	553	1070	955	6720	440	951	416	370	333
15	526	931	531	554	964	1010	6400	407	799	338	275	354
16	564	1090	548	557	1000	1050	5890	374	738	338	240	327
17	498	1020	1400	556	987	1030	5120	371	728	368	239	230
18	532	886	4910	622	857	1080	4430	399	961	340	206	193
19	833	795	5260	550	756	1050	3700	415	950	345	206	170
20	1030	715	4400	588	813	1030	3060	455	760	323	138	163
21	925	682	2830	556	764	1220	2650	414	716	248	176	689
22	764	664	2060	524	745	2250	2470	413	676	277	176	660
23	675	662	1650	515	740	3390	2440	571	679	214	141	640
24	634	597	1400	510	762	3130	2490	682	911	229	178	463
25	535	551	1240	538	723	2710	2370	674	885	253	178	527
26	522	542	839	490	852	2290	2030	756	737	220	141	845
27	517	615	904	527	938	1910	1690	1550	571	223	173	792
28	512	732	1100	525	883	1700	1500	1960	558	378	135	641
29	511	754	877	489	---	1550	1290	1760	496	270	187	589
30	490	735	808	518	---	2180	1180	1420	424	231	135	419
31	506	---	781	662	---	3750	---	1110	---	186	135	---
TOTAL	19266	20569	39413	19219	23341	42816	110650	23414	41466	12206	6881	9846
MEAN	621	686	1271	620	834	1381	3688	755	1382	394	222	328
MAX	1040	1090	5260	808	1250	3750	7370	1960	4530	710	506	845
MIN	426	458	493	489	570	659	1180	371	424	186	135	135
CFSM	.98	1.08	2.01	.98	1.31	2.18	5.82	1.19	2.18	.62	.35	.52
IN.	1.13	1.21	2.31	1.13	1.37	2.51	6.49	1.37	2.43	.72	.40	.58

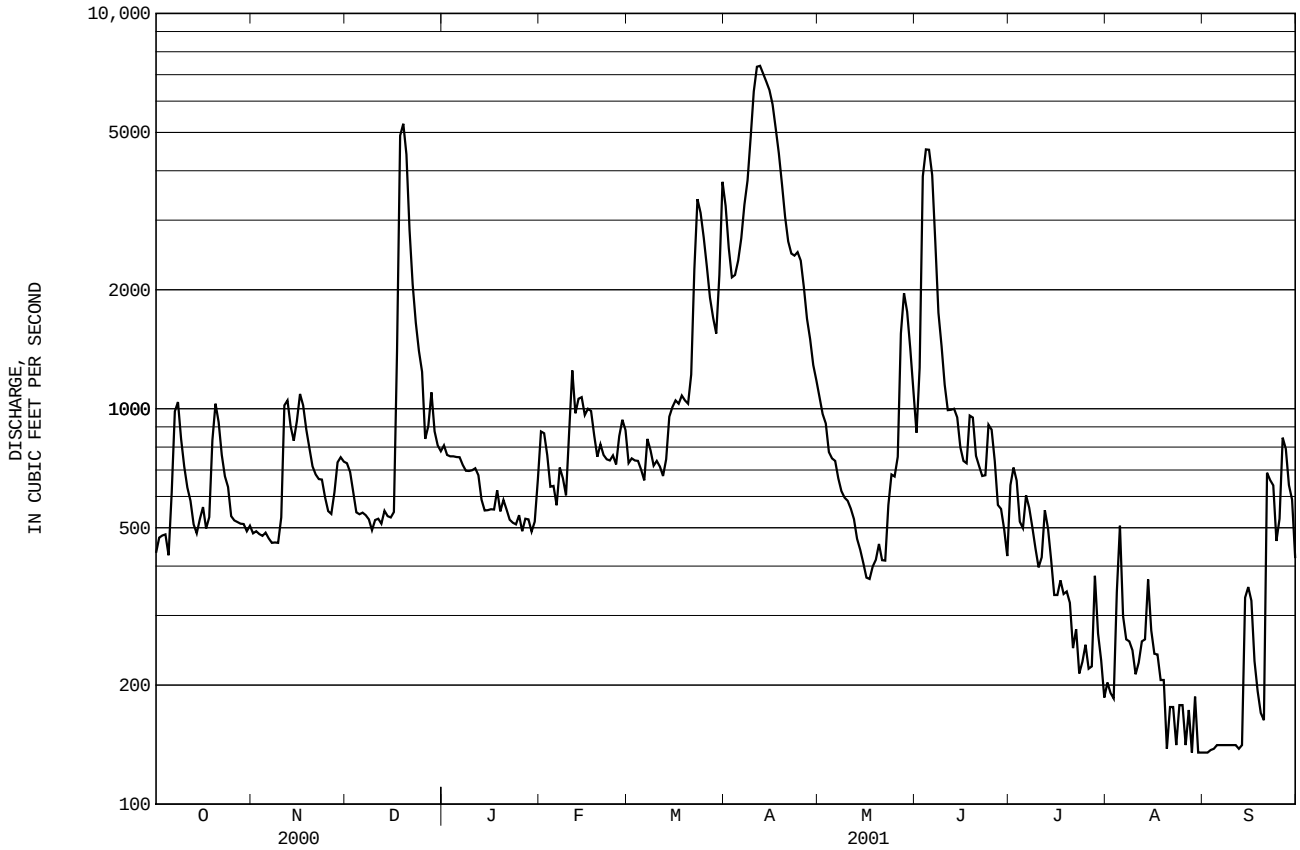
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

MEAN	618	942	1104	1127	1098	1940	2430	1392	897	582	501	505
MAX	2657	3795	3151	4490	2790	5291	5207	2892	3143	2302	2509	3543
(WY)	1956	1928	1974	1949	1976	1936	1940	1984	1984	1945	1955	1938
MIN	122	117	131	189	267	669	756	541	277	170	157	126
(WY)	1915	1915	1915	1981	1920	1965	1985	1941	1964	1965	1913	1995

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1913 - 2001	
ANNUAL TOTAL	468334		369087			
ANNUAL MEAN	1280		1011		1094	
HIGHEST ANNUAL MEAN					1782	1928
LOWEST ANNUAL MEAN					403	1965
HIGHEST DAILY MEAN	6320	Jun 8	7370	Apr 12	23700	Jan 1 1949
LOWEST DAILY MEAN	371	Aug 31	135	Aug 28	24	Oct 15 1914
ANNUAL SEVEN-DAY MINIMUM	441	Feb 7	137	Aug 30	73	Oct 14 1914
MAXIMUM PEAK FLOW			**c**7500	Apr 11	23900	Jan 1 1949
MAXIMUM PEAK STAGE			8.56	Apr 11	**a**19.40	Jan 1 1949
INSTANTANEOUS LOW FLOW			125	Dec 9	**b**	
ANNUAL RUNOFF (CFSM)	2.02		1.59		1.72	
ANNUAL RUNOFF (INCHES)	27.48		21.66		23.44	
10 PERCENT EXCEEDS	2520		2320		2400	
50 PERCENT EXCEEDS	970		662		732	
90 PERCENT EXCEEDS	486		218		230	

a From floodmarks, present site and datum.
b Practically no flow at times when power plant was shut down.
c Also occurred on Apr. 12.



01199050 SALMON CREEK AT LIME ROCK, CT

LOCATION.--Lat 41°56'32", long 73°23'29", Litchfield County, Hydrologic Unit 01100005, on left bank 300 ft upstream from bridge on Uptown Salisbury Road, 0.6 mi north of Lime Rock, and 3.0 mi upstream from mouth.
DRAINAGE AREA.--29.4 mi^2.
PERIOD OF RECORD.--October 1961 to current year.
GAGE.--Water-stage recorder. Datum of gage is 620.37 ft above sea level. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of about 13.5 ft, from floodmarks, discharge 6,300 ft^3/s, from rating curve extended above 350 ft^3/s on basis of contracted-opening measurement of peak flow.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2100	*1,100	*4.61	Apr 10	0800	338	2.70
Mar 31	0115	359	2.77	Jun 3	0715	394	2.88

Minimum discharge, 3.6 ft^3/s, Sep. 8, 9, 10, gage height, 0.70 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	20	21	35	e37	39	31	162	36	30	42	7.2	4.7
2	21	21	e31	e36	35	28	127	34	179	36	6.9	4.2
3	21	20	e28	e35	e33	28	118	32	336	22	6.7	4.1
4	21	19	e26	e34	e30	27	125	30	187	20	30	4.0
5	22	20	e24	e33	e28	28	135	29	115	24	30	4.1
6	43	19	e23	e33	e35	40	162	26	85	22	14	3.9
7	33	19	e22	e32	e31	31	199	25	66	18	11	3.8
8	28	18	e21	e32	e29	28	201	24	55	17	9.9	3.6
9	26	18	e20	e31	e27	27	206	23	48	17	8.6	3.6
10	25	51	e19	e31	e38	30	309	21	42	17	8.0	3.7
11	24	62	e18	e30	e33	29	266	20	41	19	7.5	5.4
12	23	47	26	e29	e30	28	233	19	46	17	9.2	4.6
13	22	39	31	e29	e29	39	216	20	38	15	11	4.1
14	21	38	24	e28	e28	48	196	18	34	14	10	9.3
15	20	61	26	e28	e27	42	156	18	31	13	8.5	8.3
16	19	47	24	29	e34	44	129	16	28	12	7.6	6.1
17	20	41	360	29	e32	47	110	16	48	12	8.1	5.4
18	31	40	516	28	e30	49	98	16	40	13	9.6	5.1
19	46	36	206	29	e29	46	85	16	30	11	9.0	4.9
20	30	34	e120	30	e28	52	76	14	31	11	9.8	5.8
21	27	32	e90	29	e27	59	70	14	36	10	8.6	48
22	25	31	e80	43	e27	156	72	24	33	9.6	7.1	20
23	24	30	e70	e33	e26	128	63	32	39	9.0	5.9	12
24	24	29	e60	e29	e26	106	57	31	71	8.6	5.6	9.5
25	24	e29	e54	e25	e25	101	52	26	42	8.0	4.8	15
26	23	e28	e50	e24	43	85	48	42	27	10	4.6	14
27	22	40	e47	e23	36	72	45	93	23	10	4.6	11
28	23	36	e44	e23	32	70	43	64	20	8.9	5.7	10
29	23	34	e42	e22	---	69	40	51	17	8.6	5.1	11
30	22	36	e40	28	---	209	38	43	22	8.1	4.7	9.9
31	22	---	e39	44	---	255	---	35	---	7.6	4.7	---
TOTAL	775	996	2216	946	867	2032	3837	908	1840	470.4	284.0	259.1
MEAN	25.0	33.2	71.5	30.5	31.0	65.5	128	29.3	61.3	15.2	9.16	8.64
MAX	46	62	516	44	43	255	309	93	336	42	30	48
MIN	19	18	18	22	25	27	38	14	17	7.6	4.6	3.6
CFSM	.85	1.13	2.43	1.04	1.05	2.23	4.35	1.00	2.09	.52	.31	.29
IN.	.98	1.26	2.80	1.20	1.10	2.57	4.85	1.15	2.33	.60	.36	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

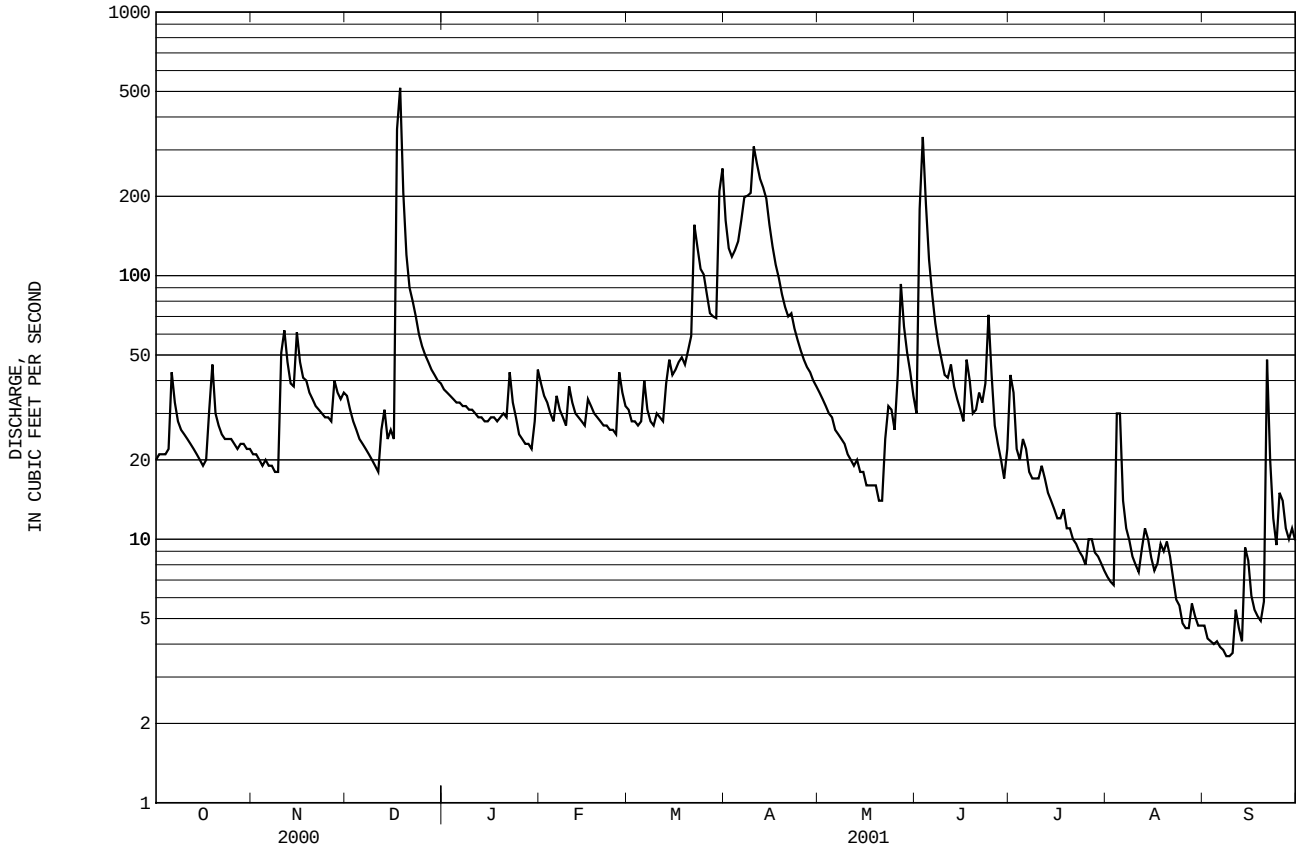
MEAN	32.2	40.9	53.7	51.5	56.1	85.2	94.8	61.0	41.4	26.7	22.0	20.9
MAX	100	92.2	155	130	134	194	198	181	118	94.1	95.1	72.6
(WY)	1978	1996	1984	1979	1982	1977	1997	1984	1972	1996	1976	1975
MIN	6.99	5.56	8.07	4.97	8.91	29.4	26.6	20.6	9.50	5.27	4.86	3.48
(WY)	1965	1965	1981	1981	1980	1965	1985	1965	1964	1993	1964	1964

e Estimated.

01199050 SALMON CREEK AT LIME ROCK, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	21668		15430.5			
ANNUAL MEAN	59.2		42.3		48.8	
HIGHEST ANNUAL MEAN					73.3	1996
LOWEST ANNUAL MEAN					15.9	1965
HIGHEST DAILY MEAN	516	Dec 18	516	Dec 18	1730	May 30 1984
LOWEST DAILY MEAN	14	Feb 5	3.6	Sep 8	1.5	Aug 11 1964
ANNUAL SEVEN-DAY MINIMUM	14	Feb 5	3.8	Sep 4	2.1	Aug 31 1995
MAXIMUM PEAK FLOW			1100	Dec 17	1840	Mar 6 1979
MAXIMUM PEAK STAGE			4.61	Dec 17	5.90	Mar 6 1979
INSTANTANEOUS LOW FLOW			**a**3.6	Sep 8	.70	Sep 25 1964
ANNUAL RUNOFF (CFSM)	2.01		1.44		1.66	
ANNUAL RUNOFF (INCHES)	27.42		19.52		22.55	
10 PERCENT EXCEEDS	113		85		101	
50 PERCENT EXCEEDS	41		28		32	
90 PERCENT EXCEEDS	19		8.1		8.7	

a Also occurred on Sep. 9, 10.



01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CT

LOCATION.--Lat 41°39'32", long 73°31'44", Dutchess County, New York, Hydrologic Unit 01100005, on right bank 0.1 mi downstream from Deuel Hollow Brook, 1.2 mi upstream from New York-Connecticut State line, 1.7 mi upstream from mouth, and 2.5 mi northwest of Gaylordsville.
DRAINAGE AREA.--203 mi^2.
PERIOD OF RECORD.--Discharge: October 1929 to September 1987, October 1991 to current year. Monthly discharge only for period October to December 1929, published in WSP 1301. Partial record site: October 1987 to September 1991. Water-quality records: Water years 1959, 1968, 1973-75, 1980. Daily water temperature: Water year 1959. Daily specific conductance: Water years 1958-59.
Daily pH: Water years 1958-59. Daily iron: Water years 1958-59.
REVISED RECORDS.--WSP 1201: 1939. WSP 1701: 1955-56, 1957(M), 1958-59. WSP 1901: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 304.4 ft above sea level (levels by Connecticut Light and Power Company).
REMARKS.--Records good except those for periods of estimated record, which are fair. Infrequent regulation at low flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 18	1115	*2,540	*5.82	Mar 31	0645	2,470	5.75
Mar 22	2230	1,700	4.80	Jun 3	0145	*2,540	*5.82

Minimum discharge, 22 ft^3/s, Sep. 19, gage height, 0.68 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	114	85	184	e240	280	321	1760	220	142	42	e31	e20
2	107	83	166	e225	279	315	1440	210	590	e210	e30.5	e19.5
3	104	82	145	e210	260	301	1220	199	1930	e130	e30	e19
4	97	80	e125	e205	221	304	1120	187	1230	e100	e29.5	e20
5	93	85	e115	e200	261	300	1070	180	762	e110	e29	e21
6	141	82	e110	e205	235	295	1070	167	574	e140	e28.5	e18
7	149	77	e108	e210	261	313	1140	157	466	e100	e28	e17.5
8	122	75	e105	e220	234	287	1190	151	391	e90	e27.5	e17
9	110	76	e103	226	230	289	1190	144	335	e83	e27	e18
10	98	128	e100	211	307	298	1320	139	296	e90	e26.5	e24
11	99	283	e99	207	359	292	1130	132	276	e80	e26	e20.5
12	92	243	e105	228	287	296	1040	127	294	e70	e60	e42
13	88	190	118	202	325	400	962	123	261	e65	e1500	e36
14	85	178	133	206	297	518	816	116	e160	e55	e1000	e30
15	82	239	138	187	318	500	704	111	e130	e50	e500	e28
16	84	224	133	186	321	543	629	108	e115	e48	e300	e24
17	82	203	997	191	335	654	569	103	124	e46	e150	e22
18	107	184	2310	185	292	697	517	104	139	e44	e70	e21
19	215	181	1340	189	281	664	462	104	94	e42	e38	e40
20	168	163	948	217	285	705	426	102	82	e40	e44	e90
21	138	160	738	198	296	790	402	95	105	e38	e30	e70
22	121	152	645	184	266	1430	408	105	91	e36	e22	e50
23	114	145	532	202	271	1560	372	176	102	e34	e21	e40
24	106	132	486	202	256	1340	342	200	256	e32	e28	e50
25	103	125	456	194	262	1240	315	165	166	e32	e22	57
26	101	142	413	175	367	1080	296	178	110	e34	e21	79
27	100	186	e380	192	373	922	278	346	84	e36	e21.5	63
28	94	187	e340	161	354	835	264	302	67	e35	e20	48
29	89	171	e300	157	---	780	247	221	55	e33	e20	44
30	86	173	e275	172	---	1540	231	188	46	e32	e21	39
31	86	---	e250	258	---	2310	---	164	---	e31.5	e22	---
TOTAL	3375	4514	12397	6245	8113	22119	22930	5024	9473	2008.5	4224.0	1087.5
MEAN	109	150	400	201	290	714	764	162	316	64.8	136	36.2
MAX	215	283	2310	258	373	2310	1760	346	1930	210	1500	90
MIN	82	75	99	157	221	287	231	95	46	32	20	17
CFSM	.54	.74	1.97	.99	1.43	3.51	3.77	.80	1.56	.32	.67	.18
IN.	.62	.83	2.27	1.14	1.49	4.05	4.20	.92	1.74	.37	.77	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

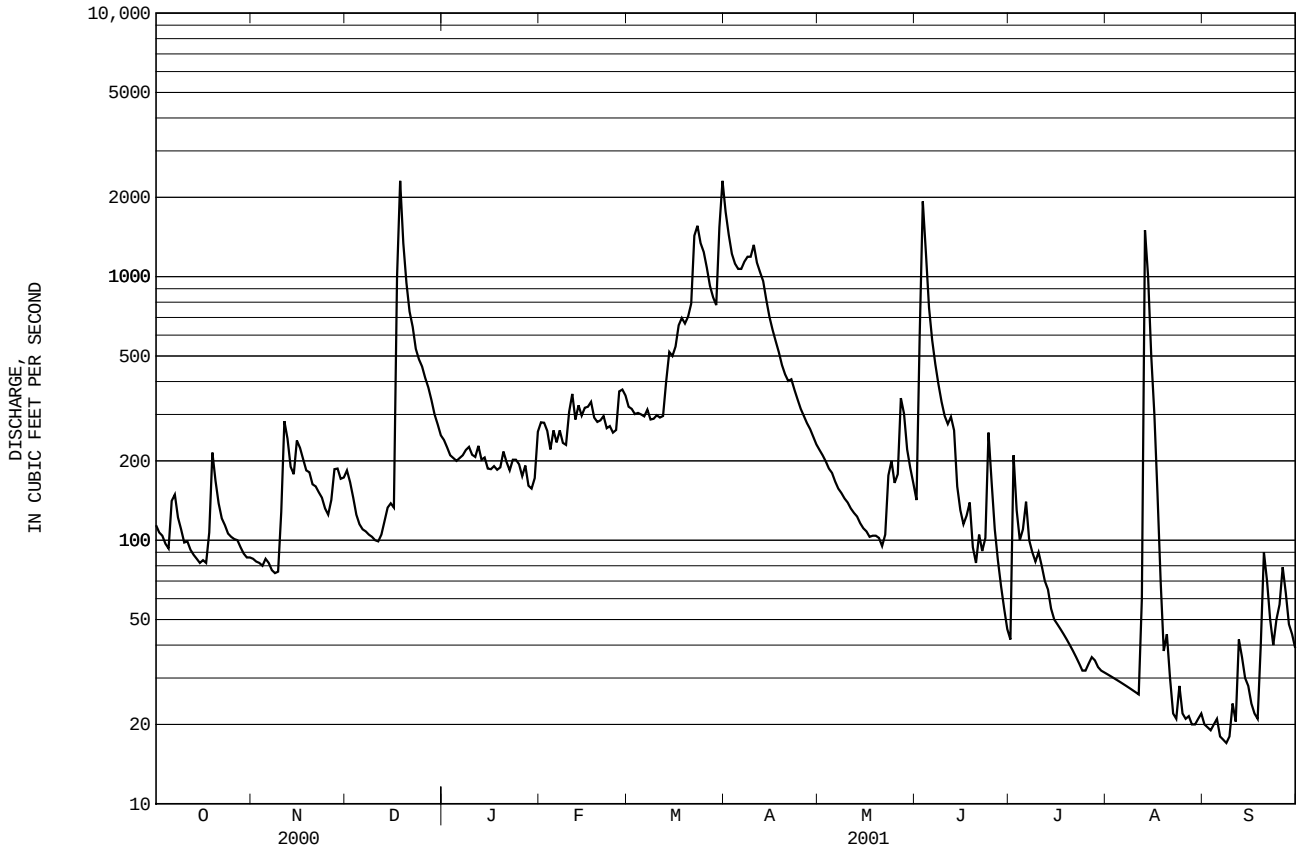
MEAN	147	244	330	370	381	644	619	353	253	152	114	109
MAX	1222	1067	1083	1118	873	1690	1366	779	1078	998	1007	1082
(WY)	1956	1956	1997	1996	1976	1977	1983	1945	1984	1938	1955	1938
MIN	15.7	21.5	56.4	38.1	94.7	216	197	124	48.2	17.8	13.9	10.8
(WY)	1958	1965	1965	1981	1936	1965	1966	1941	1965	1957	1993	1957

e Estimated.

01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1931 - 2001	
ANNUAL TOTAL	130605		101510.0			
ANNUAL MEAN	357		278		309	
HIGHEST ANNUAL MEAN					497	1938
LOWEST ANNUAL MEAN					90.7	1965
HIGHEST DAILY MEAN	2310	Dec 18	2310	Dec 18	10700	Aug 19 1955
LOWEST DAILY MEAN	75	Nov 8	17	Sep 8	7.0	Oct 7 1957
ANNUAL SEVEN-DAY MINIMUM	80	Nov 3	19	Sep 3	8.0	Oct 1 1957
MAXIMUM PEAK FLOW			**c**2540	Dec 18	**a**17400	Aug 19 1955
MAXIMUM PEAK STAGE			**c**5.82	Dec 18	**b**14.90	Aug 19 1955
INSTANTANEOUS LOW FLOW			22	Sep 19	5.0	Sep 8 1957
ANNUAL RUNOFF (CFSM)	1.76		1.37		1.52	
ANNUAL RUNOFF (INCHES)	23.93		18.60		20.68	
10 PERCENT EXCEEDS	745		704		685	
50 PERCENT EXCEEDS	263		165		198	
90 PERCENT EXCEEDS	105		30		36	

a From rating curve extended above 9,800 ft^3/s.
b From high water marks.
c Also occurred on June 3.



01200500 HOUSATONIC RIVER AT GAYLORDSVILLE, CT

LOCATION.--Lat 41°39'11", long 73°29'25", Litchfield County, Hydrologic Unit 01100005, on left bank 0.4 mi downstream from hydroelectric plant of Connecticut Light and Power Co., 0.5 mi upstream from bridge on U.S. Route 7 at Gaylordsville, 1.5 mi downstream from Tenmile River, and at mile 50.6.
DRAINAGE AREA.--996 mi^2.
PERIOD OF RECORD.--Discharge: October 1900 to December 1904 (fragmentary), January 1905 to December 1908 (gage heights only), January 1909 to December 1912 (fragmentary), January 1913 to October 1914 (gage heights only), November 1914 (fragmentary), July 1940 to current year. Water-quality records: Water years 1960, 1968. Daily water temperature: Water years 1960, 1968. Daily suspended-sediment discharge: Water years 1979-80.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 236.78 ft above sea level. October 1900 to November 1914, nonrecording gage on covered bridge 0.6 mi downstream at different datum. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated daily discharges, which are fair. Ordinary flow regulated by power plant upstream. High flow is regulated by flood-control reservoirs in 20.5 mi^2 of the Blackberry River Basin, but flood control does not affect monthly runoff appreciably.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1854 reached a stage of 21 ft^3 in, former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938, reached a stage of 14.5 ft, from floodmarks, at present site, discharge, 37,000 ft^3/s, by computation of peak flow over dam 2.5 mi upstream adjusted for flow from intervening area.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 18	1930	8,940	8.22	Apr 11	1645	*10,300	*8.81
Mar 23	0545	6,110	6.86	Apr 18	1315	6,200	6.91
Mar 31	0600	7,880	7.74	Jun 3	1815	7,270	7.45

Minimum discharge, 142 ft^3/s, Aug. 24, gage height, 1.17 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	807	765	1150	1430	1410	1420	6480	1610	1320	849	253	148
2	672	714	1100	1500	1470	e1300	5190	1500	2010	1110	296	169
3	682	750	1020	1430	1360	e1250	4380	1390	6630	967	290	180
4	770	708	876	1360	1220	e1220	4250	1310	6660	893	336	179
5	675	711	856	1310	1100	e1200	4450	1130	6070	762	690	172
6	851	731	847	1260	1070	1210	4850	1170	5280	810	541	165
7	1220	677	802	1210	1190	1240	5640	1090	4040	926	372	163
8	1360	662	764	1190	1200	1410	6290	994	3010	833	322	163
9	1200	670	788	1160	1100	1330	7290	959	2270	697	350	163
10	1010	792	892	1140	1350	1300	9480	916	1840	636	327	193
11	934	1340	828	1090	1850	1300	10100	885	1510	690	316	208
12	803	1670	847	1170	1740	1300	10100	806	1660	657	310	167
13	836	1440	895	1140	1610	1400	9540	821	1540	830	310	166
14	759	1270	841	1050	1730	1810	8880	692	1480	691	434	300
15	706	1370	859	984	1610	1930	8330	735	1290	619	439	433
16	720	1480	853	961	1620	1990	7820	672	1180	463	371	513
17	743	1550	1650	974	1710	2190	6970	662	1270	566	319	347
18	716	1370	7600	992	1510	2280	6180	633	1560	562	326	242
19	1030	1240	7940	1020	1360	2210	5350	714	1560	536	309	212
20	1270	1120	6510	1030	1380	2220	4620	670	1380	499	253	219
21	1340	1090	4490	1020	1410	2500	4050	576	1270	427	236	535
22	1170	1000	3280	1150	1340	4430	3760	776	1250	412	205	1150
23	975	973	2580	1110	1210	5980	3660	850	1250	384	195	756
24	920	975	2230	1010	1340	5430	3320	1140	1770	328	251	688
25	862	825	2110	926	1280	4890	3120	1100	1740	322	212	584
26	804	935	1630	e900	1540	4220	2780	1150	1490	490	221	962
27	787	934	1590	e850	1680	3500	2440	2240	1270	371	216	880
28	793	1040	1680	e875	1670	3130	2190	2650	994	402	217	994
29	772	1090	1620	e900	---	2910	1970	2400	910	472	211	703
30	764	1160	1350	e950	---	4760	1770	1990	781	411	214	720
31	726	---	1320	1190	---	7640	---	1630	---	297	211	---
TOTAL	27677	31052	61798	34282	40060	80900	165250	35861	66285	18912	9553	12474
MEAN	893	1035	1993	1106	1431	2610	5508	1157	2210	610	308	416
MAX	1360	1670	7940	1500	1850	7640	10100	2650	6660	1110	690	1150
MIN	672	662	764	850	1070	1200	1770	576	781	297	195	148
CFSM	.90	1.04	2.00	1.11	1.44	2.62	5.53	1.16	2.22	.61	.31	.42
IN.	1.03	1.16	2.31	1.28	1.50	3.02	6.17	1.34	2.48	.71	.36	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

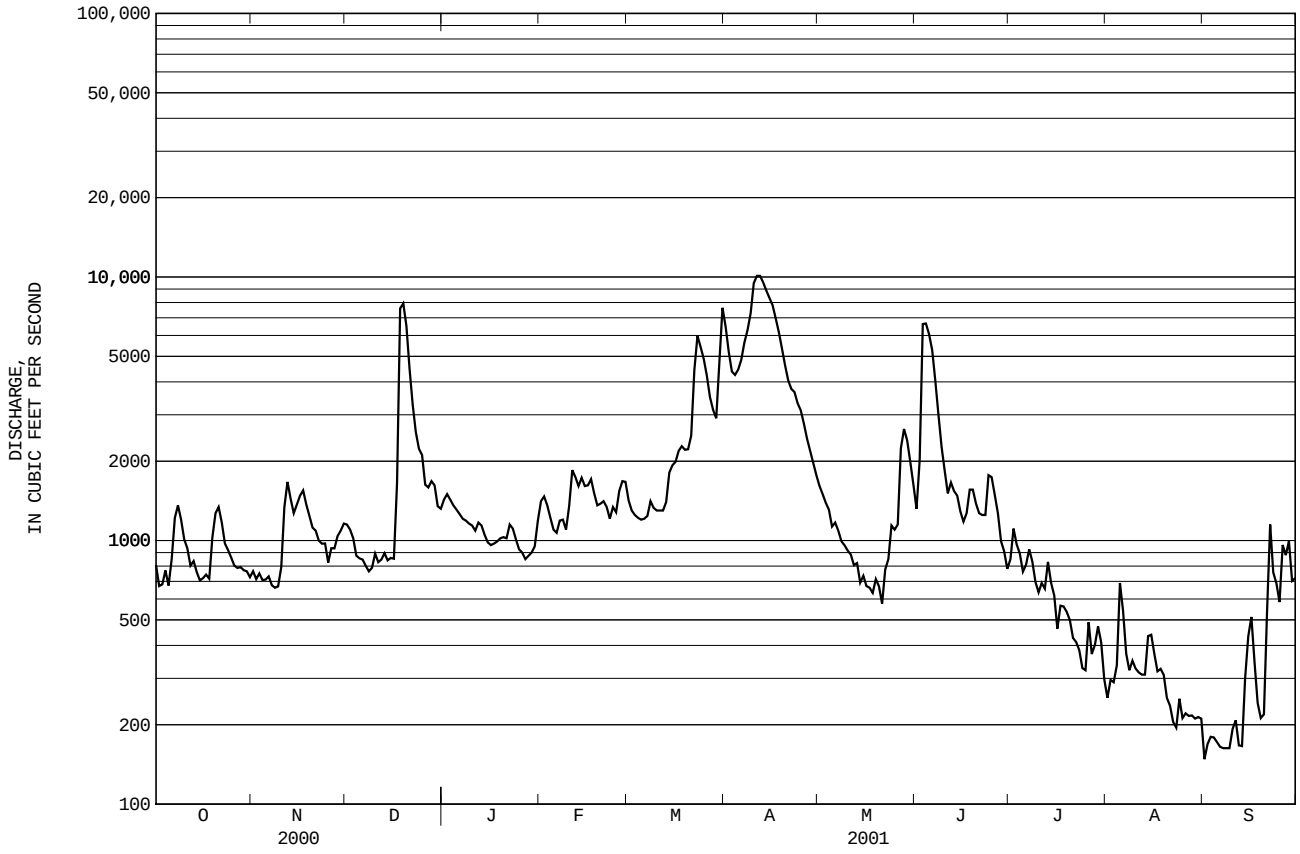
MEAN	943	1430	1762	1855	1885	3043	3524	2199	1461	887	731	637
MAX	4500	5024	4926	6599	4398	6529	6685	5079	4538	3323	4433	2297
(WY)	1956	1956	1997	1949	1976	1977	1993	1989	1984	1972	1955	1975
MIN	203	203	411	288	592	1037	972	810	389	236	213	153
(WY)	1965	1965	1965	1981	1980	1965	1985	1965	1964	1965	1964	1995

e Estimated.

01200500 HOUSATONIC RIVER AT GAYLORDSVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	725517		584104			
ANNUAL MEAN	1982		1600		1694	
HIGHEST ANNUAL MEAN					2557	1996
LOWEST ANNUAL MEAN					572	1965
HIGHEST DAILY MEAN	8900	Jun 8	10100	Apr 11	38800	Aug 19 1955
LOWEST DAILY MEAN	641	Sep 1	148	Sep 1	**a**60	Aug 31 1944
ANNUAL SEVEN-DAY MINIMUM	701	Nov 3	168	Sep 1	104	Aug 18 1981
MAXIMUM PEAK FLOW			10300	Apr 11	51800	Aug 19 1955
MAXIMUM PEAK STAGE			8.81	Apr 11	18.58	Aug 19 1955
INSTANTANEOUS LOW FLOW			142	Aug 24	**b**30	Oct 28 1914
ANNUAL RUNOFF (CFSM)	1.99		1.61		1.70	
ANNUAL RUNOFF (INCHES)	27.10		21.82		23.11	
10 PERCENT EXCEEDS	3960		4040		3680	
50 PERCENT EXCEEDS	1480		1090		1160	
90 PERCENT EXCEEDS	768		314		331	

a Also occurred on Sep. 20, 1949.
b Site and datum then in use.



01200600 HOUSATONIC RIVER NEAR NEW MILFORD, CT

LOCATION.--Lat 41°35'35", long 73°27'00", Litchfield County, Hydrologic Unit 01100005, at Boardman Bridge, 2.3 mi northwest of New Milford, 6.9 mi downstream from Tenmile River, 1.9 mi upstream from Aspetuck River and 4.7 mi upstream from Still River.
DRAINAGE AREA.--1,022 mi^2.
PERIOD OF RECORD.--Water years 1962, 1963, 1974 to 1991, 1995 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
13...	1407	1120	300	8.5	9.0	8.0	1.9	11.6	98	130	24	130	31.9
JAN													
24...	1540	950	333	8.3	1.5	.0	1.7	14.4	101	6k	9k	140	34.3
MAY													
02...	1315	2800	289	8.6	33.0	17.5	2.2	10.2	107	2k	3k	120	30.1
JUL													
17...	1350	325	333	8.7	21.5	22.5	2.5	9.2	107	42	28	130	30.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
13...	11.6	11.6	2.08	.0	135	111	9.9	16.7	<.2	3.9	166	168	E.004
JAN													
24...	12.6	14.0	1.76	.0	151	124	10.7	22.2	<.2	5.7	189	193	E.004
MAY													
02...	10.5	11.4	1.28	2	122	104	8.8	21.1	<.2	2.8	167	170	E.003
JUL													
17...	13.5	16.2	1.88	5	124	110	10.2	27.8	<.2	1.4	187	184	.010

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
13...	.365	<.041	--	.35	.24	.72	.020	E.005	<.018	7	.08	13.8	<.06
JAN													
24...	.593	.066	.22	.29	.20	.88	.027	.015	E.010	4	E.05	13.7	<.06
MAY													
02...	.302	<.041	--	.19	.17	.49	.021	.007	.023	14	.05	13.4	<.06
JUL													
17...	.145	<.040	--	.47	.25	.62	.022	.007	<.020	10	.05	12.1	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
13...	<.04	<.8	.11	1.0	80	.31	6.0	.3	.46	<1.0	1	.41	4.9
JAN													
24...	<.04	<.8	.14	.9	40	E.05	18.5	.4	1.09	<1.0	1	.48	3.2
MAY													
02...	<.04	<.8	.11	.7	50	.10	16.7	.3	<.06	<1.0	<1	.41	5.1
JUL													
17...	<.04	<.8	.05	.9	M	E.07	10.7	<.2	.11	<1.0	<1	.02	4.6

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01201487 STILL RIVER AT RT 7 AT BROOKFIELD CENTER, CT

LOCATION.--Lat 41°27'58", long 73°24'13", Fairfield County, Hydrologic Unit 01100005, on bridge on the upstream side of Route 7 South, approximately 800 ft upstream from Silvermine Rd.
DRAINAGE AREA.--62.3 mi^2.
PERIOD OF RECORD.--October 1983 to current year.
REMARKS.--Water-quality records for this site published under station 01201485 from water year 1984 to water year 1992.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
21...	1410	35	563	8.0	3.0	6.0	1.9	11.8	96	1300k	60	160	42.0
JAN													
29...	1230	26	542	7.6	3.0	1.5	3.5	13.4	94	150	152	160	41.7
MAR													
08...	1040	94	664	7.9	5.0	2.0	5.1	13.7	100	1200	67k	140	36.2
MAY													
14...	1045	34	595	7.8	17.5	15.0	4.5	7.7	77	92	<1k	190	48.6
JUN													
13...	1415	28	630	7.7	27.0	21.0	3.5	7.5	85	320k	112	180	46.9
JUL													
02...	1145	68	402	7.7	18.0	20.0	--	7.0	78	6900k	5820k	120	32.6
AUG													
07...	1320	19	679	7.7	35.0	25.5	1.8	7.9	99	200	57k	170	43.8
SEP													
05...	1320	28	538	7.8	21.0	20.5	2.5	8.1	91	2000	720	150	39.4

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
21...	14.4	41.1	6.97	.0	148	121	26.4	59.3	.3	8.5	318	321	.017
JAN													
29...	14.1	38.6	5.06	.0	144	118	23.6	67.0	.2	8.9	298	310	.063
MAR													
08...	11.7	68.2	3.85	.0	118	97	18.5	121	E.1	7.9	360	360	.029
MAY													
14...	16.3	44.5	9.11	.0	160	131	27.2	73.0	.2	8.6	350	380	.055
JUN													
13...	15.2	46.8	7.00	.0	139	114	27.7	80.9	.2	9.0	367	360	.034
JUL													
02...	10.1	27.0	4.26	.0	110	90	17.8	44.2	E.1	7.3	251	252	.031
AUG													
07...	15.5	60.2	10.7	.0	122	100	35.0	92.0	.4	7.6	382	386	.040
SEP													
05...	13.1	44.0	6.36	.0	134	111	28.8	67.7	.2	7.0	325	322	.024

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
21...	7.77	E.038	--	.69	.63	8.5	.947	1.00	.885	4	.24	24.7	<.06
JAN													
29...	4.76	.219	.73	.95	.77	5.7	.357	.305	.283	9	.18	26.6	<.06
MAR													
08...	2.63	.067	.37	.44	.33	3.1	.203	.179	.160	7	.55	28.9	<.06
MAY													
14...	3.41	.123	.80	.93	.79	4.3	.369	.298	.262	7	.36	30.1	<.06
JUN													
13...	8.38	.065	.69	.76	.56	9.1	.167	.115	.097	17	.37	31.4	<.06
JUL													
02...	3.47	.041	.62	.66	E.07	4.1	.135	.085	.064	9	.48	26.3	<.06
AUG													
07...	13.7	.054	.75	.81	.75	15	.428	.386	.375	13	.52	27.9	<.06
SEP													
05...	3.69	E.026	--	.72	.54	4.4	.160	.130	.109	9	.46	24.1	<.06

01201487 STILL RIVER AT RT 7 AT BROOKFIELD CENTER, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
21...	.04	<.8	.23	5.9	70	.18	61.8	3.4	1.51	<1.0	20	1.06	5.3
JAN													
29...	E.03	<.8	.35	2.9	60	.22	115	1.9	1.52	<1.0	22	1.10	3.5
MAR													
08...	E.03	<.8	.24	1.6	60	.18	96.5	1.4	2.17	<1.0	12	.82	5.1
MAY													
14...	.04	<.8	.35	4.1	90	.25	107	5.7	1.49	<1.0	15	1.14	6.0
JUN													
13...	E.04	<.8	.28	6.8	50	.15	71.2	3.8	1.67	<1.0	11	1.04	4.8
JUL													
02...	E.03	E.7	.16	4.2	40	.22	35.6	2.4	.91	<1.0	6	.60	6.9
AUG													
07...	.08	<.8	.27	8.9	20	.13	47.6	10.3	1.80	<1.0	14	.81	5.4
SEP													
05...	E.03	E.4	.17	5.3	50	.23	27.4	4.0	.64	<1.0	8	.68	6.3

01202501 SHEPAUG RIVER AT PETER'S DAM AT WOODVILLE, CT

LOCATION.--Lat 41°71'92", long 73°29'33", Litchfield County, Hydrologic Unit 01100005, on upstream side of Peter's Dam, 0.2 mi downstream from Shepaug Reservoir Dam, at end of Reservoir Rd. 1 mi north of Woodville.
DRAINAGE AREA.--38.1 mi^2.
PERIOD OF RECORD.--August 2000 to present.
GAGE.--Water-stage recorder and crest-stage gage. Satellite telemetry at station. Reference gage is an enameled USGS staff plate on left bank at gage.
REMARKS.--Records good except those for periods of estimated daily discharge, which are fair. Flow regulated by Shepaug Reservoir. Records for water year 2000 available in East Hartford office.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 654 ft^3/s, Apr. 10, gage height, 3.05 ft; minimum discharge, 5.2 ft^3/s, Oct. 13, gage height, 0.92 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	6.5	6.4	55	e37	35	35	210	29	43	23	6.6	6.6
2	6.5	6.4	53	e30	31	32	141	29	148	28	6.7	6.5
3	6.6	6.5	50	e28	25	29	118	28	230	20	6.8	6.5
4	6.6	6.6	46	e24	19	28	140	27	175	18	6.7	6.7
5	6.6	6.5	38	e22	20	31	171	27	118	20	6.6	6.5
6	6.6	6.5	e34	e21	e21	34	208	22	86	21	6.6	6.4
7	6.6	6.6	e32	e19	e28	31	236	20	67	18	6.6	6.4
8	6.6	6.6	35	20	e34	27	266	19	53	17	6.4	6.4
9	6.6	6.7	35	20	e28	28	335	19	42	13	6.4	6.4
10	6.6	9.9	34	19	e20	30	574	19	35	7.5	6.4	6.8
11	6.2	47	37	17	e19	27	411	17	32	7.6	6.4	6.6
12	5.8	36	39	17	e20	26	342	18	40	7.7	6.5	6.6
13	5.6	26	37	7.4	e21	37	287	23	35	7.6	6.8	6.5
14	5.6	28	39	6.6	e19	51	222	19	30	7.5	6.5	7.0
15	5.6	36	38	6.6	e17	48	170	14	26	7.3	6.4	6.4
16	5.8	33	38	6.8	e16	48	136	6.9	23	7.4	6.5	6.2
17	5.9	41	267	6.8	e15	56	111	6.9	215	7.3	6.6	6.1
18	6.8	37	352	6.8	e14	65	97	6.9	177	7.3	6.6	6.1
19	7.2	34	175	e7.0	e13	58	80	6.8	87	7.2	6.6	6.0
20	7.2	31	123	e6.5	e12	60	69	7.1	60	7.2	6.9	6.8
21	7.2	29	96	9.7	e17	61	63	7.3	65	7.0	6.6	8.7
22	7.2	27	86	16	e21	203	65	7.5	49	7.0	6.6	7.7
23	7.2	26	76	e14	17	220	59	9.2	50	6.7	6.7	7.1
24	7.3	24	70	e12	15	154	55	9.4	104	6.6	6.6	6.7
25	7.2	22	65	e11	17	131	50	8.8	67	6.6	6.8	8.9
26	7.2	27	59	e10	43	107	43	42	48	6.8	6.8	8.0
27	7.2	40	e50	9.6	48	84	40	198	38	6.6	6.7	7.9
28	6.6	40	e44	9.2	45	73	38	134	31	6.6	6.9	7.8
29	6.5	39	e42	8.1	---	70	33	97	26	6.6	6.9	7.6
30	6.3	55	e38	11	---	256	30	74	23	6.6	6.9	7.4
31	6.3	---	e36	30	---	359	---	56	---	6.6	6.7	---
TOTAL	203.7	746.7	2219	469.1	650	2499	4800	1007.8	2223	333.3	205.8	207.3
MEAN	6.57	24.9	71.6	15.1	23.2	80.6	160	32.5	74.1	10.8	6.64	6.91
MAX	7.3	55	352	37	48	359	574	198	230	28	6.9	8.9
MIN	5.6	6.4	32	6.5	12	26	30	6.8	23	6.6	6.4	6.0

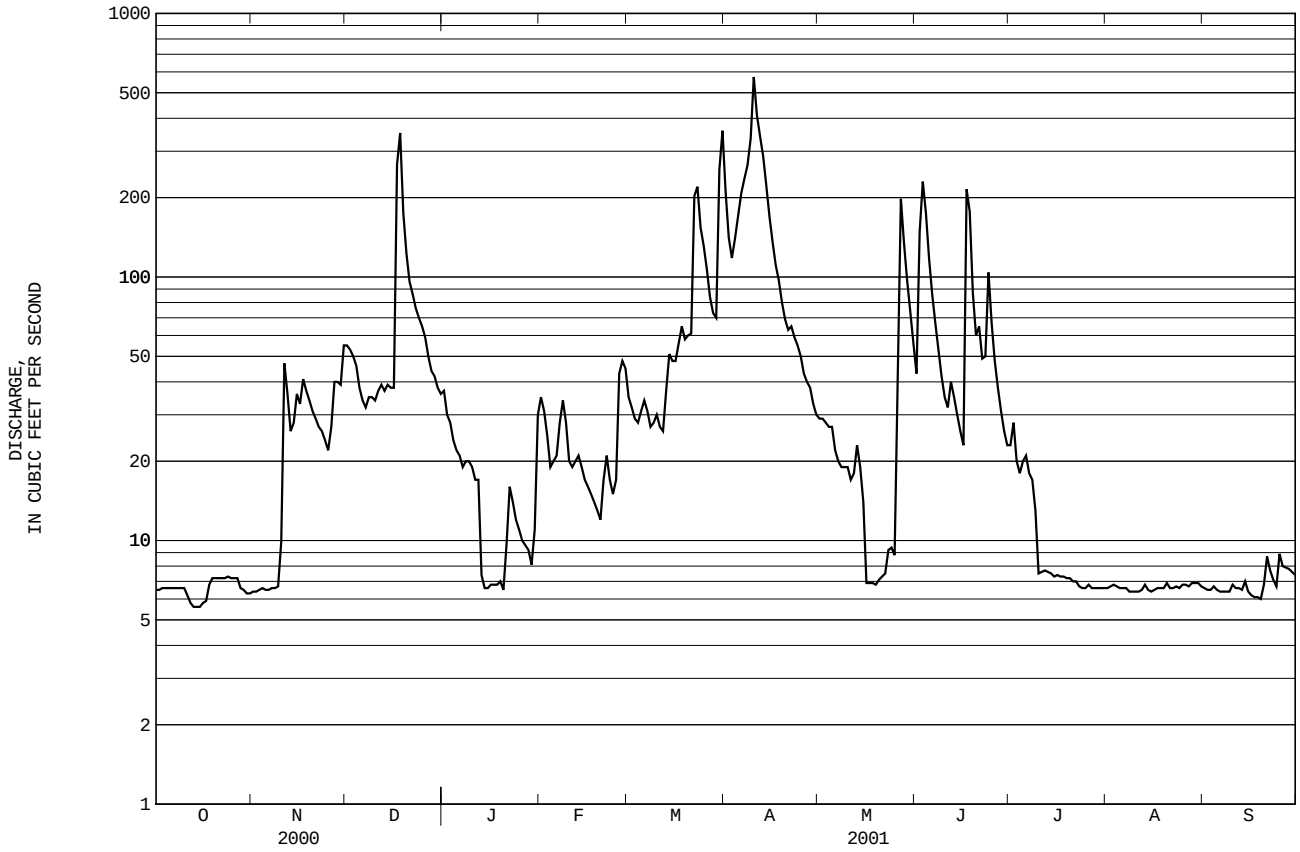
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	6.57	24.9	71.6	15.1	23.2	80.6	160	32.5	74.1	10.8	6.64	6.91
MAX	6.57	24.9	71.6	15.1	23.2	80.6	160	32.5	74.1	10.8	6.64	6.91
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	6.57	24.9	71.6	15.1	23.2	80.6	160	32.5	74.1	10.8	6.64	6.91
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

e Estimated.

01202501 SHEPAUG RIVER AT PETER'S DAM AT WOODVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2001 WATER YEAR	
ANNUAL TOTAL	15564.7	
ANNUAL MEAN	42.6	
HIGHEST DAILY MEAN	574	Apr 10
LOWEST DAILY MEAN	5.6	Oct 13
ANNUAL SEVEN-DAY MINIMUM	5.8	Oct 11
MAXIMUM PEAK FLOW	654	Apr 10
MAXIMUM PEAK STAGE	3.05	Apr 10
INSTANTANEOUS LOW FLOW	5.2	Oct 13
10 PERCENT EXCEEDS	105	
50 PERCENT EXCEEDS	20	
90 PERCENT EXCEEDS	6.5	



01203000 SHEPAUG RIVER NEAR ROXBURY, CT

LOCATION.--Lat 41°32'59", long 73°19'49", Litchfield County, Hydrologic Unit 01100005, on right bank at downstream side of Wellers Bridge 0.5 mi south of Roxbury Station, 1.2 mi southwest of village of Roxbury, and 2.4 mi upstream from Jacks Brook.
DRAINAGE AREA.--132 mi^2.
PERIOD OF RECORD.--Water years 1953-54, 1959, 1974 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1958 to September 1959.
REMARKS.--Records of daily discharge from October 1930 to September 1971 in reports of the U.S. Geological Survey.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 25.0°C Aug. 17, 1959; minimum, 0.0°C Dec. 14, 1958.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
21...	1100	127	118	8.0	4.0	3.0	1.2	14.1	106	27	7k	43	10.4
JAN													
29...	1015	184	138	7.6	.5	.0	.9	14.3	97	8k	7k	45	11.0
MAR													
08...	1335	179	135	7.6	4.5	2.0	1.3	13.8	101	20	9k	42	10.1
MAY													
09...	1045	90	124	8.4	22.0	14.5	1.1	11.1	109	7k	3k	40	9.96
JUN													
13...	1055	203	112	8.1	25.5	20.0	2.1	9.5	107	53	40	40	9.61
JUL													
02...	0945	201	116	8.3	17.0	19.0	2.7	9.8	107	83k	440	40	10.2
AUG													
07...	0945	19	148	7.8	32.5	25.0	.9	7.9	98	42	51	49	12.3
SEP													
05...	1050	19	141	8.1	20.5	19.0	1.0	9.8	107	50	18k	47	11.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
21...	4.06	5.7	1.47	.0	41	34	6.3	8.4	<.2	4.3	69	69	<.006
JAN													
29...	4.31	7.3	1.58	.0	39	32	8.0	11.5	<.2	6.6	79	82	E.003
MAR													
08...	3.95	8.7	1.30	.0	35	29	7.8	13.9	<.2	6.0	79	84	<.006
MAY													
09...	3.73	6.8	1.43	.0	39	32	7.4	11.9	<.2	3.3	83	86	E.004
JUN													
13...	3.76	6.5	1.22	.0	36	29	6.8	10.7	<.2	4.1	71	186	E.004
JUL													
02...	3.65	6.9	1.20	.0	36	29	6.2	10.2	<.2	4.4	73	62	.012
AUG													
07...	4.54	8.7	1.85	.0	48	40	7.3	12.6	<.2	2.1	70	68	.010
SEP													
05...	4.32	8.4	1.71	.0	45	37	7.5	13.1	<.2	1.5	83	80	E.003

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
21...	.149	<.041	--	.30	.22	.45	.023	.014	E.012	6	.05	10.4	<.06
JAN													
29...	.492	E.031	--	.22	.20	.71	.032	.025	E.017	6	E.05	11.5	<.06
MAR													
08...	.311	<.041	--	.18	.16	.49	.019	.011	E.009	8	.46	10.5	<.06
MAY													
09...	.149	<.041	--	.25	.21	.40	.020	.013	<.018	12	<.05	11.4	<.06
JUN													
13...	.147	<.040	--	.34	.17	.49	.038	.020	E.013	16	.05	10.5	<.06
JUL													
02...	.171	E.038	--	.33	.26	.50	.055	.016	<.020	14	.05	10.2	<.06
AUG													
07...	.313	.041	.28	.32	.30	.63	.030	.021	E.009	15	.06	12.6	<.06
SEP													
05...	.208	<.040	--	.24	.18	.44	.020	.014	<.020	17	.06	7.8	<.06

01203000 SHEPAUG RIVER NEAR ROXBURY, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
21...	<.04	<.8	.05	.9	80	E.07	3.9	E.1	.28	<1.0	<1	.10	4.6
JAN													
29...	<.04	<.8	.06	1.0	70	E.05	5.1	E.1	.36	<1.0	<1	.13	5.0
MAR													
08...	<.04	<.8	.06	1.4	60	E.06	6.6	E.1	.50	<1.0	1	.12	3.3
MAY													
09...	E.02	<.8	.07	1.0	60	E.07	13.1	E.1	.20	<1.0	<1	.12	3.4
JUN													
13...	<.04	<.8	.06	1.1	80	E.07	6.9	E.1	.31	<1.0	<1	.10	4.3
JUL													
02...	<.04	<.8	.06	1.0	100	.13	8.0	E.2	.28	<1.0	<1	.08	5.0
AUG													
07...	<.04	<.8	.11	1.3	40	E.08	17.1	.3	.16	<1.0	<1	.11	3.6
SEP													
05...	<.04	<.8	.08	1.1	50	E.07	11.1	.2	.09	<1.0	<1	.13	3.5

01203600 NONEWAUG RIVER AT MINORTOWN, CT

LOCATION.--Lat 41°34'32", long 73°10'45", Litchfield County, Hydrologic Unit 01100005, on right bank 1,000 ft downstream from bridge by State Rts. 6 and 202 at Minortown, and 2.5 mi northeast of Woodbury.
DRAINAGE AREA.-- 17.7 mi^2.
PERIOD OF RECORD.--September 1962 to September 1976; October 1978 to September 1979; 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Satellite telemetry at station. Reference gage is an enameled USGS staff plate on right bank at gage.
REMARKS.--Records fair except for those periods of estimated daily discharge, which are poor. Flow regulated by the Lockwood Reservoir. Diversion for municipal supply for town of Watertown. Records for water year 2000 available in East Hartford office.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,590 ft^3/s, June 17, gage height, 7.45 ft; estimated minimum daily discharge, 0.50 ft^3/s, on Aug. 10.

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	3.9	4.2	11	e14	46	e36	141	18	19	e13	e1.0	e1.2
2	3.8	3.4	8.6	e13	37	e32	110	18	68	e14	e.95	e.90
3	3.9	2.8	e8.0	e12	31	e30	104	16	51	e12	e.85	e.80
4	3.5	2.7	e7.6	e11	e29	e29	100	14	37	e10	e.75	e.78
5	3.5	2.5	e7.3	e11	e27	e28	95	13	28	e26	e.70	e.80
6	4.8	2.3	e7.0	e10	e25	e27	117	12	22	e20	e.63	e.70
7	4.3	2.3	e6.7	e10	e23	e27	110	11	18	e13	e.58	e.65
8	3.7	2.3	e6.5	e10	e22	e26	128	11	15	e12	e.55	e.65
9	3.6	2.3	e6.3	e9.8	e21	e26	99	12	12	e11	e.52	e.60
10	3.6	49	e6.1	e9.6	40	32	101	10	9.9	e10	e.50	e.80
11	3.7	64	e6.0	e9.4	37	32	73	8.6	28	e8.0	e.60	e1.0
12	4.8	22	e5.8	e9.3	e33	33	100	8.2	58	e10	e3.0	e.75
13	3.2	15	e5.6	e9.2	e30	81	76	7.6	25	e7.0	e31	e.65
14	2.8	14	e5.5	e9.1	e28	71	62	6.0	18	e5.0	e11	e4.2
15	2.6	18	13	e9.0	e27	67	53	5.4	15	e4.0	e3.0	e2.0
16	2.6	12	11	13	e26	89	47	5.1	12	e3.5	e2.0	e1.5
17	3.0	10	255	13	e25	125	44	5.2	340	e4.0	e1.7	e1.2
18	9.3	8.2	115	12	e24	99	41	5.3	e110	e4.4	e2.6	e1.0
19	12	7.4	59	19	e24	94	36	5.5	e60	e3.4	e1.4	e.90
20	5.3	6.9	45	26	e23	109	33	4.4	e50	e2.6	e2.6	e23
21	4.2	6.7	37	20	e23	136	33	3.7	e60	e2.2	e2.5	e64
22	3.7	6.5	30	e17	e22	442	36	12	e50	e2.0	e1.7	e14
23	3.3	e6.3	e27	e16	e22	222	29	71	e48	e1.8	e1.4	e9.4
24	3.3	e6.1	e24	e15	e22	168	28	44	e65	e1.6	e2.0	e7.0
25	3.4	e6.0	e22	e14	42	135	27	47	e40	e1.4	e1.3	e18
26	3.5	21	e20	e13	89	108	25	99	e30	e2.2	e1.0	e11
27	3.5	20	e19	e12	56	90	23	86	e25	e2.4	e1.1	e7.6
28	3.3	13	e18	e11	e42	85	23	48	e21	e1.8	e1.0	e6.8
29	2.9	10	e17	23	---	81	20	34	e18	e1.7	e1.1	e7.2
30	3.4	13	e16	70	---	371	20	28	e15	e1.4	e.90	e6.1
31	6.2	---	e15	89	---	208	---	22	---	e1.1	e1.5	---
TOTAL	128.6	359.9	841.0	539.4	896	3139	1934	691.0	1367.9	212.5	81.43	195.18
MEAN	4.15	12.0	27.1	17.4	32.0	101	64.5	22.3	45.6	6.85	2.63	6.51
MAX	12	64	255	89	89	442	141	99	340	26	31	64
MIN	2.6	2.3	5.5	9.0	21	26	20	3.7	9.9	1.1	.50	.60
CFSM	.23	.68	1.53	.98	1.81	5.72	3.64	1.26	2.58	.39	.15	.37
IN.	.27	.76	1.77	1.13	1.88	6.60	4.06	1.45	2.87	.45	.17	.41

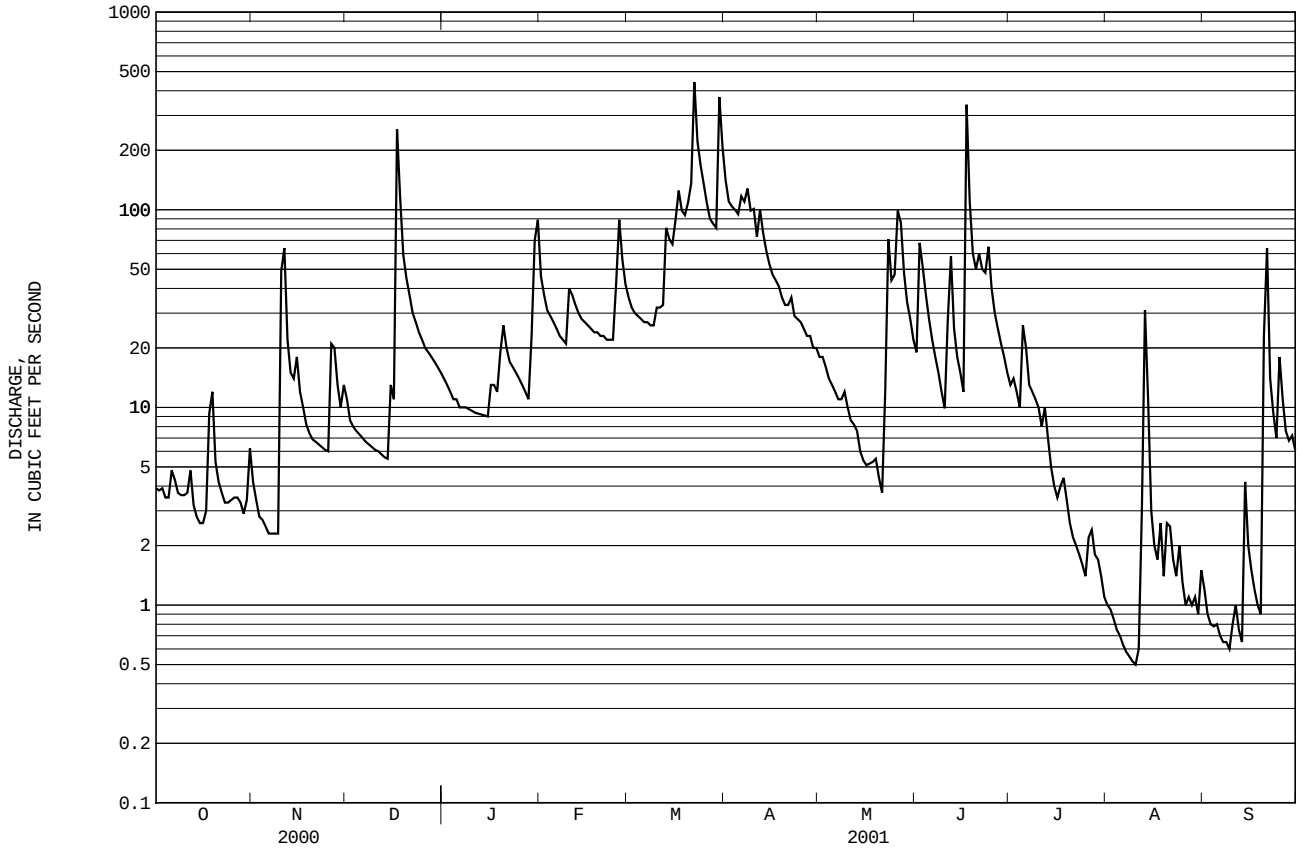
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	12.6	22.9	39.4	45.1	44.1	64.3	47.3	28.2	23.7	15.7	8.78	13.3
MAX	63.9	62.4	110	172	84.6	115	77.4	49.3	130	63.1	34.6	91.7
(WY)	1976	1976	1974	1979	1970	1972	1973	1979	1972	1975	1969	1975
MIN	1.84	2.53	9.23	7.65	15.4	27.5	14.8	9.88	3.38	1.46	1.35	1.24
(WY)	1965	1965	1966	1966	1969	1965	1966	1965	1965	1966	1965	1964

e Estimated

01203600 NONEWAUG RIVER AT MINORTOWN, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL			10385.91			
ANNUAL MEAN			28.5		30.4	
HIGHEST ANNUAL MEAN					48.6	1972
LOWEST ANNUAL MEAN					11.3	1965
HIGHEST DAILY MEAN	255	Dec 17	442	Mar 22	1210	Dec 21 1973
LOWEST DAILY MEAN	2.1	Sep 18	e.50	Aug 10	.45	Sep 2 1964
ANNUAL SEVEN-DAY MINIMUM	2.5	Nov 3	e.58	Aug 5	.58	Aug 5 2001
MAXIMUM PEAK FLOW			4590	Jun 17	4590	Jun 17 2001
MAXIMUM PEAK STAGE			7.45	Jun 17	7.45	Jun 17 2001
INSTANTANEOUS LOW FLOW			e.50	Aug 10	.50	Aug 6 2001
ANNUAL RUNOFF (CFSM)			1.61		1.72	
ANNUAL RUNOFF (INCHES)			21.83		23.37	
10 PERCENT EXCEEDS	25		78		64	
50 PERCENT EXCEEDS	6.0		12		16	
90 PERCENT EXCEEDS	2.7		1.4		2.7	



01203805 WEEKEEPEEMEE RIVER AT HOTCHKISSVILLE, CT

LOCATION.--Lat 41°33'26", long 73°12'51", Litchfield County, Hydrologic Unit 01100005, on downstream left bank at Jack's Bridge Rd., 500 ft upstream from mouth, and 1 mi north of Woodbury.
DRAINAGE AREA.-- 26.8 mi^2.
PERIOD OF RECORD.--October 1978 to September 1979; August 2000 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Satellite telemetry at station.
REMARKS.--Records good except for those periods of estimated daily discharge, which are fair. Records for water year 2000 available in the East Hartford office.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,200 ft^3/s, June 17, gage height, 8.10 ft; minimum discharge, 1.7 ft^3/s, Aug. 9, 10, gage height, 1.41 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	8.0	8.1	21	e30	71	53	217	29	20	21	2.7	4.2
2	7.8	7.9	18	e29	48	46	173	27	91	23	2.7	3.1
3	8.1	7.6	e17	e28	e38	e42	159	25	70	18	2.6	2.7
4	7.4	7.9	e16	e27	e36	e40	152	22	52	17	2.5	2.6
5	7.3	8.1	e15	e26	e34	e38	143	20	37	45	2.4	2.8
6	8.9	7.7	e14	e26	e33	e37	152	19	29	35	2.2	2.5
7	8.4	7.6	e13	e26	e32	e37	143	18	24	21	2.0	2.3
8	7.7	7.7	e13	e26	e32	e36	184	17	21	21	2.0	2.3
9	7.2	8.2	e12	e26	31	40	147	17	18	19	1.9	2.2
10	7.6	52	e12	e26	e40	44	156	15	16	15	1.9	2.6
11	7.5	79	e12	e25	52	44	115	14	23	15	2.0	3.2
12	7.4	36	e11	e25	70	45	148	15	72	19	2.5	2.6
13	7.2	25	e10	e25	50	106	116	13	30	12	36	2.3
14	7.7	25	38	e24	e40	94	95	11	24	9.9	16	9.5
15	7.8	36	34	e24	e39	86	86	10	19	9.8	7.5	6.5
16	7.3	25	22	e30	e38	112	78	9.9	17	8.0	5.1	4.3
17	7.9	21	398	e36	e37	168	71	10	680	9.1	4.6	3.7
18	13	18	181	e30	e36	140	65	10	155	9.6	6.2	3.3
19	22	17	96	e60	e36	126	60	10	82	7.5	4.1	3.0
20	12	15	77	e80	e36	142	58	9.7	61	6.5	6.6	24
21	10	e13	66	e50	e36	181	55	8.0	66	5.7	6.5	84
22	9.5	e12	55	e44	e38	595	57	16	57	5.0	4.5	20
23	8.7	e11	e50	e40	e38	301	48	89	59	4.7	4.1	13
24	8.7	e19	e45	e38	e46	234	46	52	92	4.4	5.3	9.8
25	8.7	e22	e40	e36	52	194	43	37	59	4.0	3.7	63
26	8.5	29	e38	e34	102	160	39	85	45	5.5	3.2	28
27	8.4	33	e36	e32	71	133	37	99	36	5.9	3.3	17
28	10	24	e34	36	59	124	34	52	30	4.1	3.2	14
29	9.2	20	e33	43	---	118	32	35	26	3.6	3.4	13
30	9.1	23	e32	79	---	557	31	30	23	3.3	2.9	10
31	8.3	---	e31	121	---	303	---	24	---	2.8	4.4	---
TOTAL	277.3	625.8	1490	1182	1271	4376	2940	848.6	2034	390.4	158.0	361.5
MEAN	8.95	20.9	48.1	38.1	45.4	141	98.0	27.4	67.8	12.6	5.10	12.1
MAX	22	79	398	121	102	595	217	99	680	45	36	84
MIN	7.2	7.6	10	24	31	36	31	8.0	16	2.8	1.9	2.2
CFSM	.33	.78	1.79	1.42	1.69	5.27	3.66	1.02	2.53	.47	.19	.45
IN.	.38	.87	2.07	1.64	1.76	6.07	4.08	1.18	2.82	.54	.22	.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

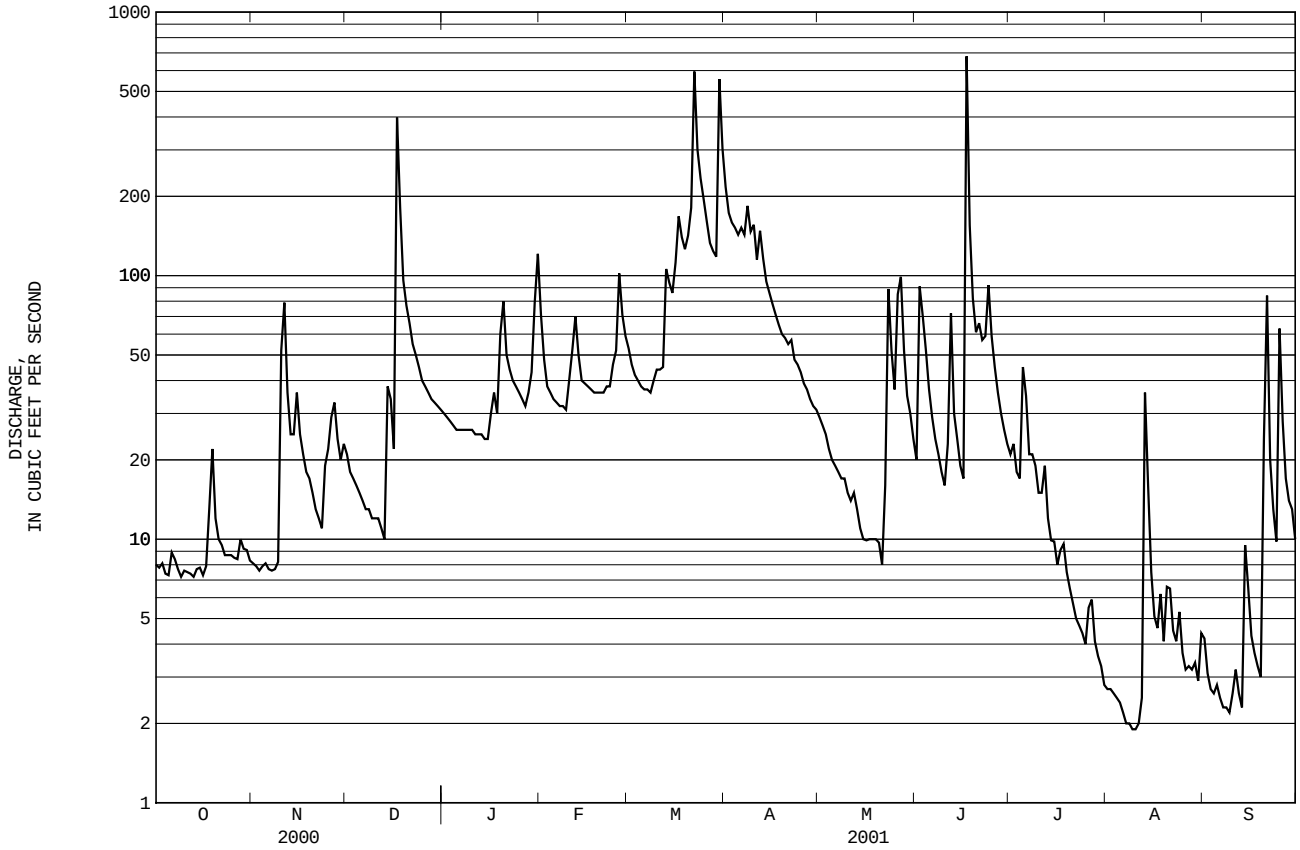
MEAN	7.40	14.4	41.7	112	63.6	155	101	58.0	46.2	8.80	7.58	14.9
MAX	8.95	20.9	48.1	187	81.9	168	104	88.5	67.8	12.6	10.1	17.8
(WY)	2001	2001	2001	1979	1979	1979	1979	1979	2001	2001	1979	1979
MIN	5.85	7.97	35.3	38.1	45.4	141	98.0	27.4	24.6	5.00	5.10	12.1
(WY)	1979	1979	1979	2001	2001	2001	2001	2001	1979	1979	2001	2001

e Estimated

01203805 WEEKEEPEEMEE RIVER AT HOTCHKISSVILLE, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1979 - 2001	
ANNUAL TOTAL			15954.6			
ANNUAL MEAN			43.7		52.6	
HIGHEST ANNUAL MEAN					61.4	1979
LOWEST ANNUAL MEAN					43.7	2001
HIGHEST DAILY MEAN	398	Dec 17	680	Jun 17	1330	Jan 25 1979
LOWEST DAILY MEAN	1.5	Sep 12	1.9	Aug 9	.60	Aug 9 1979
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 25	2.1	Aug 5	1.2	Aug 3 1979
MAXIMUM PEAK FLOW			3200	Jun 17	3200	Jun 17 2001
MAXIMUM PEAK STAGE			8.10	Jun 17	8.10	Jun 8 2001
INSTANTANEOUS LOW FLOW			**a**1.7	Aug 9	1.7	Aug 9 2001
ANNUAL RUNOFF (CFSM)			1.63		1.96	
ANNUAL RUNOFF (INCHES)			22.15		26.65	
10 PERCENT EXCEEDS	38		100		111	
50 PERCENT EXCEEDS	8.7		24		22	
90 PERCENT EXCEEDS	2.4		3.9		3.0	

a Also occurred on Aug. 10.



01204000 POMPERAUG RIVER AT SOUTHBURY, CT

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, Hydrologic Unit 01100005, on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mi west of Southbury, and 5.8 mi upstream from mouth.
DRAINAGE AREA.--75.1 mi^2.
PERIOD OF RECORD.--Discharge: June 1932 to current year. Water-quality records: Water years 1961, 1965-74. Daily water temperature: Water years 1961, 1967. Daily specific conductance: Water years 1960-61. Daily pH: Water years 1960-61. Daily iron: Water years 1960-61.
REVISED RECORDS.--WSP 851: 1934(M), 1936(M). WSP 1201: 1933-34, 1935(M), 1937(M). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 165.60 ft above sea level, (levels by Corps of Engineers). Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated daily discharges, which are fair. Flow regulated by Lockwood Reservoir and occasionally at low flow by mill upstream. Diversion for municipal supply of town of Watertown.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	2015	1,700	6.97	Mar 30	1700	2,200	7.67
Mar 22	0645	2,260	7.75	Jun 17	1645	*2,630	*8.24

Minimum discharge, 8.2 ft^3/s, Aug. 8, gage height, 2.25 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	32	35	58	e66	140	138	592	96	82	59	12	20
2	31	29	50	e65	e100	128	459	90	218	63	11	15
3	30	27	42	e63	e86	120	407	87	188	51	11	13
4	30	27	e39	e61	e78	119	381	77	156	50	11	17
5	28	27	e38	e60	e75	121	356	71	123	102	12	14
6	31	27	e36	e59	107	127	368	66	99	100	11	13
7	32	26	e35	e58	e85	120	383	63	85	61	10	12
8	29	28	e33	e57	e80	109	448	61	73	59	9.4	11
9	27	27	e32	e57	86	113	365	60	64	60	9.6	11
10	27	150	e31	e56	119	124	400	57	59	49	9.9	11
11	27	209	40	e55	e95	124	301	53	56	45	11	12
12	28	106	47	e54	e90	128	374	52	186	45	21	11
13	29	75	37	e53	e85	283	309	48	97	37	121	10
14	27	67	55	e53	e82	271	258	44	76	34	88	26
15	27	90	65	e52	e80	238	237	41	67	31	41	23
16	26	65	55	63	e79	290	214	40	57	28	28	15
17	26	57	753	66	e78	459	198	40	1140	28	23	13
18	35	50	557	62	e77	417	188	40	644	32	25	12
19	70	47	252	77	e76	344	170	40	292	27	20	11
20	44	44	198	e100	e84	367	163	37	200	23	21	38
21	37	42	e140	e75	e79	417	156	36	190	22	33	318
22	34	39	e111	e65	e76	1670	163	54	171	20	21	83
23	30	37	e99	e62	e75	998	147	228	162	19	20	48
24	30	32	e91	e58	e75	686	138	184	204	18	22	35
25	32	33	e85	e56	115	552	130	145	144	16	18	91
26	32	67	e81	e54	261	458	123	250	116	18	16	68
27	30	94	e78	e53	190	377	119	323	97	20	15	44
28	31	66	e75	e52	161	340	110	179	82	17	15	35
29	31	57	e72	e51	---	324	103	132	74	16	15	32
30	32	60	e70	86	---	1270	101	111	64	15	13	27
31	37	---	e68	168	---	918	---	93	---	13	14	---
TOTAL	992	1740	3423	2017	2814	12150	7861	2898	5266	1178	707.9	1089
MEAN	32.0	58.0	110	65.1	100	392	262	93.5	176	38.0	22.8	36.3
MAX	70	209	753	168	261	1670	592	323	1140	102	121	318
MIN	26	26	31	51	75	109	101	36	56	13	9.4	10
CFSM	.43	.77	1.47	.87	1.34	5.22	3.49	1.24	2.34	.51	.30	.48
IN.	.49	.86	1.70	1.00	1.39	6.02	3.89	1.44	2.61	.58	.35	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY)

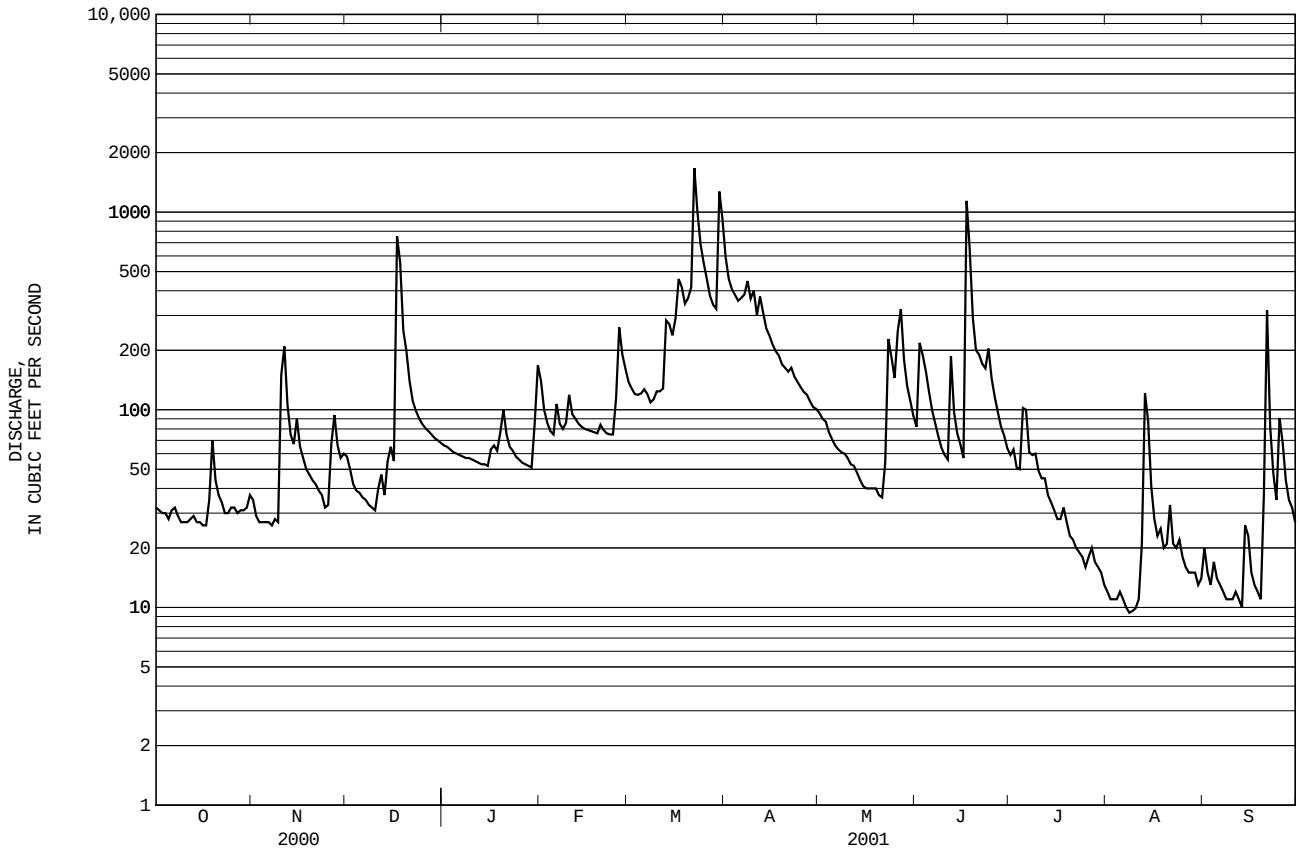
MEAN	74.2	120	152	164	163	260	234	147	94.1	54.0	54.0	52.9
MAX	625	468	415	525	366	557	693	476	493	272	578	304
(WY)	1956	1956	1997	1979	1970	1936	1987	1989	1982	1938	1955	1938
MIN	10.4	13.6	22.1	17.5	44.6	112	61.9	40.3	18.6	9.56	5.90	7.66
(WY)	1936	1965	1936	1981	1936	1989	1985	1941	1957	1957	1999	1953

e Estimated.

01204000 POMPERAUG RIVER AT SOUTHBURY, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1933 - 2001	
ANNUAL TOTAL	44347		42135.9			
ANNUAL MEAN	121		115		131	
HIGHEST ANNUAL MEAN					208	1984
LOWEST ANNUAL MEAN					53.8	1966
HIGHEST DAILY MEAN	944	Jun 7	1670	Mar 22	9510	Aug 19 1955
LOWEST DAILY MEAN	26	Oct 16	9.4	Aug 8	3.3	Aug 30 1966
ANNUAL SEVEN-DAY MINIMUM	27	Nov 3	10	Aug 4	3.9	Sep 9 1977
MAXIMUM PEAK FLOW			2630	Jun 17	**a**29400	Aug 19 1955
MAXIMUM PEAK STAGE			8.24	Jun 17	**b**21.80	Aug 19 1955
INSTANTANEOUS LOW FLOW			8.2	Aug 8	**c**2.5	Aug 30 1966
ANNUAL RUNOFF (CFSM)	1.61		1.54		1.74	
ANNUAL RUNOFF (INCHES)	21.97		20.87		23.62	
10 PERCENT EXCEEDS	235		286		276	
50 PERCENT EXCEEDS	94		61		80	
90 PERCENT EXCEEDS	31		17		16	

a From rating curve extended above 1,200 ft^3/s by computation of peak flow over dam at gage height 16.0 ft and by slope area measurement of peak flow.
b From floodmarks.
c Also occurred on Aug. 31, 1966.



01205500 HOUSATONIC RIVER AT STEVENSON, CT

LOCATION.--Lat 41°23'02", long 73°10'05", New Haven County, Hydrologic Unit 01100005, on left bank, 0.2 mi downstream from dam of Connecticut Light and Power Company at Stevenson, Fairfield County, 0.2 mi upstream from Eightmile Brook, and at mile 19.2.
DRAINAGE AREA.--1,544 mi^2.

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--August 1928 to current year.
REVISED RECORDS.--WSP 711: 1929(M). WSP 1231: 1951. WSP 1301: 1933-34(M), 1936-37. WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 24.98 ft above sea level (levels by Corps of Engineers). Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--Records good. Estimated periods derived from Housatonic Hydrós daily operating report. Ordinary flow completely regulated by Stevenson Hydroelectric Plant. Flow regulated by Lake Candlewood, Lake Lillinonah, Lake Zoar, Cairns and Shepaug Reservoirs, and by diversion out of basin at Shepaug Reservoir. High flows affected by flood control in the Blackberry River Basin for 20.5 mi^2, but do not appreciably affect monthly runoff.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,400 ft^3/s, Mar. 30, gage height, 11.96 ft; minimum discharge, 68 ft^3/s, July 17, gage height, 0.83 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	545	1050	2640	2160	2200	2610	9880	2560	2670	e946	111	108
2	1460	864	1270	2770	2080	2160	7500	3460	4390	e1600	110	666
3	1340	880	1300	2800	2700	2300	6720	2610	6830	1760	1320	108
4	1050	97	1110	2760	1010	2280	6200	3090	8400	1400	107	108
5	1510	91	1090	1980	2380	3280	6920	1810	7190	1380	107	108
6	848	2240	2380	1030	2070	2730	7620	106	6450	1750	105	651
7	691	2220	2330	1230	1300	1460	7790	2120	5150	1600	1360	108
8	1240	864	2270	2360	1280	255	8320	1580	3440	106	108	112
9	1070	663	93	2570	2780	3910	9250	1470	2350	2310	1560	117
10	1880	1220	667	2380	1120	2570	12800	1010	1810	1030	e671	633
11	1610	2130	1430	1510	2870	1840	13100	1260	2070	1010	e107	109
12	1730	2970	1470	1720	3670	2830	11800	103	2210	835	e110	109
13	1370	3070	2480	1070	3740	2080	11300	682	3000	1400	e778	107
14	115	2900	2010	1140	2720	5280	9850	103	2670	107	1350	648
15	111	2570	3480	2020	2710	3120	9950	866	2330	105	1030	108
16	1240	2860	1410	1750	2950	3310	9050	759	1610	1210	1400	109
17	1050	1850	3230	1770	1670	4360	7300	1010	5730	1170	1310	1310
18	1210	1180	13600	1810	2880	4570	6550	1040	6780	831	108	108
19	1800	1390	9970	1540	1560	4690	6360	117	3590	826	108	108
20	1560	2310	6440	1620	1540	4140	6300	114	3550	88	108	105
21	4200	2220	6540	1050	2190	4770	5810	1230	3160	e114	1310	2470
22	3460	2930	5770	1430	2590	10400	3360	1370	2870	e654	107	1960
23	104	589	4450	1340	2620	11400	3870	2370	2500	e1620	105	809
24	1650	1050	1700	1860	2050	9560	4660	2550	2500	e1350	107	1920
25	108	1210	2780	1590	1270	6900	5120	2400	3380	e1000	1300	1580
26	1670	1240	3180	1310	2400	6350	4130	1550	1590	1330	107	1730
27	102	1990	2870	618	2780	5900	3270	4740	2890	140	107	1010
28	101	1800	1880	148	3230	5860	2560	4290	1960	110	107	637
29	87	1810	2310	2380	---	6070	2010	3100	1200	110	1070	806
30	1270	2890	2360	1960	---	10900	2350	2870	e1090	1430	110	102
31	1800	---	1990	2540	---	12500	---	1600	---	108	241	---
TOTAL	37982	51148	96500	54216	64360	150385	211700	53940	105360	29430	16639	18564
MEAN	1225	1705	3113	1749	2299	4851	7057	1740	3512	949	537	619
MAX	4200	3070	13600	2800	3740	12500	13100	4740	8400	2310	1560	2470
MIN	87	91	93	148	1010	255	2010	103	1090	88	105	102

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

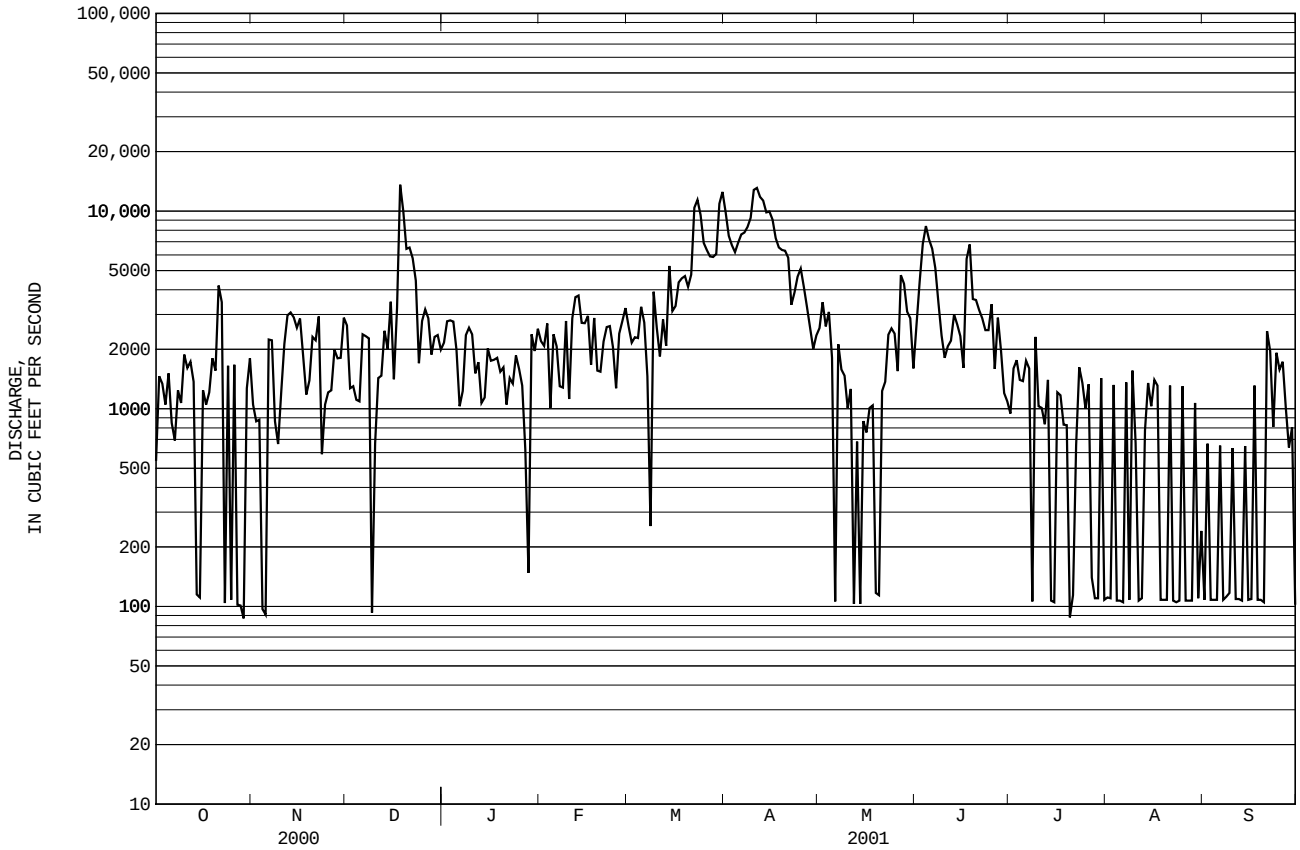
MEAN	1474	2266	2863	3022	2987	4820	5310	3275	2211	1299	1129	1126
MAX	8810	8786	8384	9441	6869	12960	11150	8627	7013	4923	8294	8705
(WY)	1956	1956	1997	1949	1976	1936	1983	1989	1972	1938	1955	1938
MIN	259	258	726	356	800	1911	1272	1092	670	294	280	213
(WY)	1965	1979	1965	1981	1980	1989	1985	1986	1965	1962	1999	1964

e Estimated.

01205500 HOUSATONIC RIVER AT STEVENSON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	1101701		890224			
ANNUAL MEAN	3010		2439		2645	
HIGHEST ANNUAL MEAN					3956	1938
LOWEST ANNUAL MEAN					990	1965
HIGHEST DAILY MEAN	13600	Dec 18	13600	Dec 18	62400	Oct 16 1955
LOWEST DAILY MEAN	87	Oct 29	87	Oct 29	.00	Oct 12 1930
ANNUAL SEVEN-DAY MINIMUM	546	Oct 23	185	Sep 7	56	Aug 13 1984
MAXIMUM PEAK FLOW			16400	Mar 30	**a**75800	Oct 16 1955
MAXIMUM PEAK STAGE			11.96	Mar 30	**b**24.50	Oct 16 1955
INSTANTANEOUS LOW FLOW			68	Jul 17	**c**	
10 PERCENT EXCEEDS	6150		6120		5910	
50 PERCENT EXCEEDS	2470		1730		1850	
90 PERCENT EXCEEDS	781		108		242	

a From rating curve extended above 35,000 ft^3/s, on basis of computation of peak flow at Stevenson and Derby Dams and slope-area measurement at gage-heights 21.5 and 23.5 ft.
b From floodmarks.
c Practically no flow at times, result of regulation.



01205500 HOUSATONIC RIVER AT STEVENSON, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952-53, 1955-56, 1959, 1961, 1963, 1968 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 390 microsiemens Sept. 14, 1977; minimum recorded, 46 microsiemens Mar. 25, 1980.
WATER TEMPERATURES: Maximum recorded, 30.5°C Aug. 3, 6-9, 1976; minimum, 0.0°C many days during the winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
21...	1615	980	292	8.2	4.0	8.0	2.0	10.2	87	5k	<1k	110	28.1
JAN													
29...	1415	138	275	7.8	4.5	2.0	1.4	14.4	101	2k	7k	100	26.5
MAY													
14...	1310	110	225	8.5	18.0	20.0	1.6	12.4	136	46	<1k	88	22.6
JUL													
02...	1400	4500	214	8.2	20.5	23.5	2.6	8.7	102	7k	9k	76	19.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
21...	10.1	12.7	2.04	.0	124	102	9.8	18.4	E.1	2.7	156	156	.008
JAN													
29...	9.35	12.7	1.72	.0	112	92	10.6	20.3	<.2	5.7	151	154	E.004
MAY													
14...	7.65	10.9	1.66	2	83	72	8.8	17.7	<.2	3.2	129	138	.010
JUL													
02...	6.68	9.6	1.50	.0	82	67	8.1	16.3	<.2	2.5	124	112	.028

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
21...	.392	.058	.32	.37	.30	.77	.035	.019	.018	4	.08	14.2	<.06
JAN													
29...	.678	.086	.27	.35	.27	1.0	.033	.025	.018	5	.06	13.0	<.06
MAY													
14...	.248	E.022	--	.30	.16	.55	.020	E.005	<.018	7	E.04	11.4	<.06
JUL													
02...	.186	.045	.44	.48	.52	.67	.026	.007	<.020	9	.10	12.2	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
21...	E.02	<.8	.10	.8	10	E.05	5.5	.7	.39	<1.0	<1	.42	3.9
JAN													
29...	<.04	<.8	.10	.9	40	E.07	20.3	.3	.56	<1.0	2	.37	3.0
MAY													
14...	<.04	<.8	.07	.8	10	E.05	2.2	.3	<.06	<1.0	1	.29	3.4
JUL													
02...	<.04	<.8	.08	1.0	20	<.08	6.0	.4	.27	<1.0	1	.26	5.0

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01206900 NAUGATUCK RIVER AT THOMASTON, CT

LOCATION.--Lat 41°40'25", long 73°04'12", Litchfield County, Hydrologic Unit 01100005, on left bank at downstream side of bridge on U.S. Routes 6 and 202 at Thomaston, 1.5 mi downstream from Thomaston Reservoir, 2.5 mi upstream from Branch Brook, and at mile 29.5.
DRAINAGE AREA.--99.8 mi^2.
PERIOD OF RECORD.--October 1959 to current year.
REVISED RECORDS.--WDR CT-76-1: 1975. WDR CT-83-1:Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 354.39 ft above sea level. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston, Hall Meadow Brook and East Branch Detention Reservoirs, and Lake Winchester.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 27.0 ft, from floodmarks by Corps of Engineers, discharge, 53,400 ft^3/s, from indirect measurements of peak flow on Naugatuck River, 71.9 mi^2, and Leadmine Brook, 24.0 mi^2, adjusted for intervening drainage area.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,820 ft^3/s, June 18, gage height, 4.79 ft; minimum discharge, 8.8 ft^3/s, Sep. 9, 10, gage height, 1.49 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	38	36	e70	132	191	137	1100	108	110	91	20	16
2	36	35	e65	123	158	126	1410	102	338	89	19	14
3	35	34	e60	124	133	115	1400	95	468	71	19	13
4	33	34	e59	120	e105	109	1100	91	431	70	21	14
5	33	34	e58	117	e100	114	846	85	240	84	23	15
6	52	34	e57	115	e95	138	822	79	172	68	21	12
7	52	32	56	108	e93	131	923	74	134	61	17	11
8	46	33	54	100	e90	111	951	72	112	64	15	11
9	40	36	55	99	e88	110	976	69	97	66	13	11
10	38	218	55	94	e85	118	1100	65	86	62	13	24
11	36	438	58	98	e84	116	1050	61	78	57	13	54
12	34	198	68	92	e83	119	976	68	122	54	20	21
13	32	117	65	89	e82	236	906	70	105	51	62	17
14	32	107	76	87	e81	269	691	57	90	41	49	61
15	31	180	80	89	e80	236	479	53	80	37	28	37
16	30	119	71	94	e79	259	388	51	72	34	21	22
17	35	97	492	90	e78	313	327	51	148	36	19	17
18	62	87	1350	83	e77	360	291	50	1130	37	19	15
19	115	77	1430	94	e76	302	249	51	1230	33	17	13
20	67	71	569	124	e75	323	222	48	204	31	19	48
21	55	70	e220	e85	e74	311	210	45	233	29	29	455
22	49	65	e160	e80	e73	533	214	96	183	28	18	83
23	43	61	e150	e79	e100	1270	195	268	212	25	16	48
24	41	57	e130	e78	106	1410	178	318	391	24	18	42
25	40	56	e125	e77	130	1300	165	203	209	24	16	161
26	38	96	e120	e76	295	1320	148	271	151	33	14	146
27	38	141	e115	e75	214	682	140	544	120	31	15	85
28	37	108	e110	e74	166	381	130	442	97	26	15	63
29	36	92	e105	73	---	374	119	214	83	24	23	55
30	35	e80	101	128	---	540	113	169	76	22	16	50
31	36	---	137	228	---	704	---	134	---	21	16	---
TOTAL	1325	2843	6321	3125	3091	12567	17819	4104	7202	1424	644	1634
MEAN	42.7	94.8	204	101	110	405	594	132	240	45.9	20.8	54.5
MAX	115	438	1430	228	295	1410	1410	544	1230	91	62	455
MIN	30	32	54	73	73	109	113	45	72	21	13	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2001, BY WATER YEAR (WY)

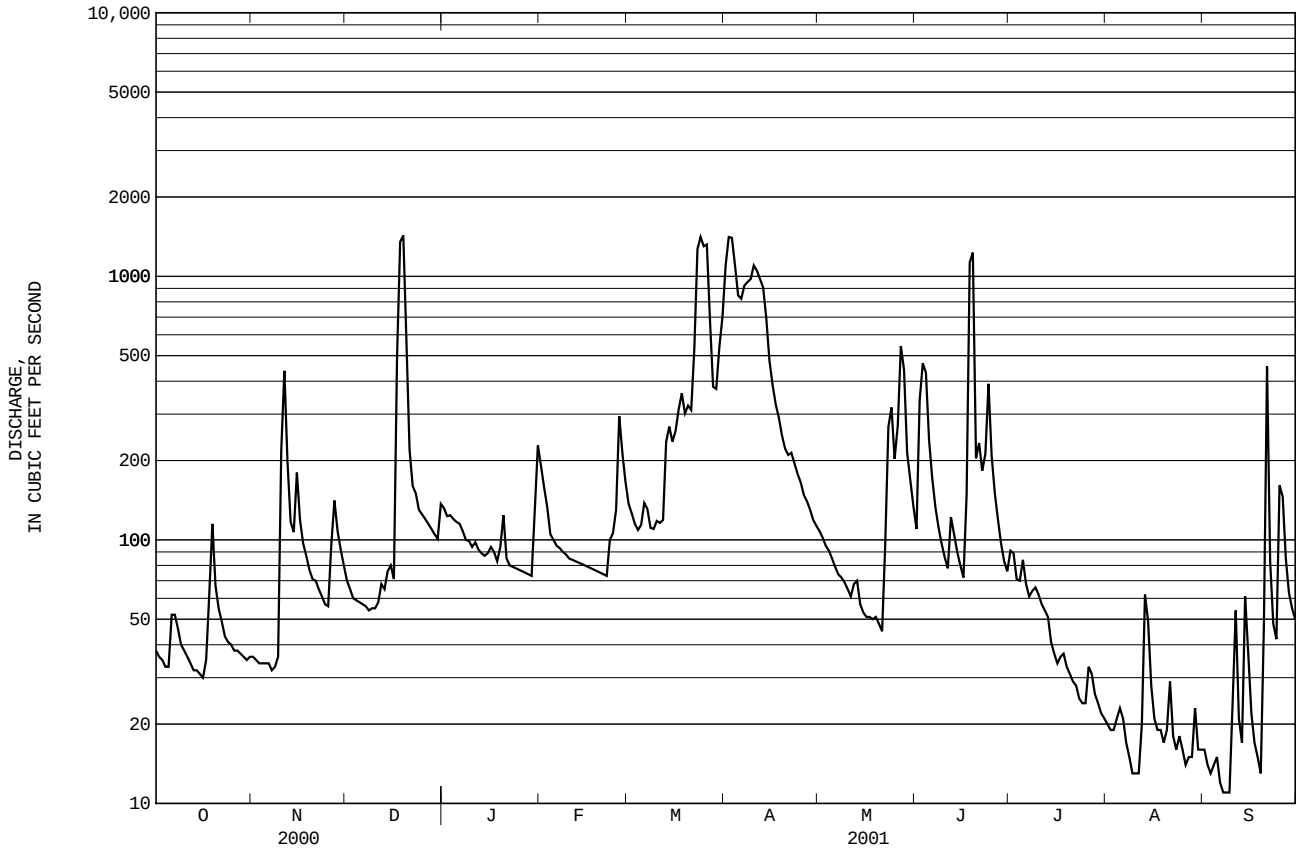
MEAN	128	186	232	237	241	401	392	223	155	80.8	75.3	75.9
MAX	525	510	709	757	776	785	966	721	658	331	429	472
(WY)	1997	1996	1974	1979	1981	1979	1987	1989	1982	1972	1969	1975
MIN	21.1	23.9	51.4	31.1	57.0	158	103	75.0	33.8	18.4	16.6	13.8
(WY)	1965	1965	1981	1981	1980	1989	1985	1965	1964	1962	1999	1964

e Estimated.

01206900 NAUGATUCK RIVER AT THOMASTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1961 - 2001	
ANNUAL TOTAL	67467		62099			
ANNUAL MEAN	184		170		202	
HIGHEST ANNUAL MEAN					300	1973
LOWEST ANNUAL MEAN					76.6	1965
HIGHEST DAILY MEAN	1630	Jun 7	1430	Dec 19	3550	Mar 10 1979
LOWEST DAILY MEAN	30	Jul 14	11	Sep 7	8.4	Sep 14 1964
ANNUAL SEVEN-DAY MINIMUM	33	Oct 11	12	Sep 3	9.8	Sep 21 1964
MAXIMUM PEAK FLOW			1820	Jun 18	5140	Mar 31 1960
MAXIMUM PEAK STAGE			4.79	Jun 18	6.25	Mar 31 1960
INSTANTANEOUS LOW FLOW			**a**8.8	Sep 9	5.6	Sep 1 1999
10 PERCENT EXCEEDS	425		389		438	
50 PERCENT EXCEEDS	111		80		114	
90 PERCENT EXCEEDS	40		21		26	

a Also occurred on Sep.10.



01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT

LOCATION.--Lat 41°36'55", long 73°03'30", New Haven County, Hydrologic Unit 01100005, at Frost Bridge 1.8 mi north of Waterville and 2.4 mi south of Branch Brook.
DRAINAGE AREA.--136 mi^2.
PERIOD OF RECORD.--October 5, 1967, published as "near Waterbury," October 1980 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
15...	1520	47	158	7.2	7.0	8.0	2.5	11.1	95	280	240	31	7.81
JAN													
16...	1605	23	270	7.2	4.5	1.0	2.3	13.5	96	180	152	38	10.2
MAR													
29...	1130	450	149	7.5	7.5	4.0	2.0	13.4	102	170k	300k	28	7.43
MAY													
15...	1010	61	238	7.3	18.5	17.5	3.2	8.1	86	92	<1k	44	12.3
JUN													
12...	1425	39	160	7.1	28.0	18.5	11	8.4	91	--	2200	31	8.37
JUL													
09...	1445	98	206	7.5	31.0	23.5	2.3	8.5	101	17k	2k	42	11.6
AUG													
21...	1515	46	338	8.2	27.0	25.5	2.9	9.9	124	81k	96	53	15.6
SEP													
06...	1400	17	410	7.8	24.5	24.5	1.9	9.2	111	15k	2k	64	18.5

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
15...	2.76	14.2	2.72	.0	28	23	13.9	19.3	.2	6.1	96	96	.010
JAN													
16...	3.07	32.8	2.80	.0	26	21	20.1	49.0	E.1	7.6	145	148	.043
MAR													
29...	2.29	14.4	1.72	.0	16	13	12.2	24.0	<.2	6.3	91	88	.025
MAY													
15...	3.29	25.7	3.26	.0	33	27	21.1	36.0	.2	3.6	152	150	.077
JUN													
12...	2.47	17.7	2.14	.0	20	17	14.1	25.0	.2	5.4	98	102	.044
JUL													
09...	3.22	21.8	2.84	.0	32	26	15.5	32.2	E.1	2.9	122	132	.032
AUG													
21...	3.50	40.8	5.02	.0	34	28	34.5	50.9	.3	2.7	190	184	.064
SEP													
06...	4.20	48.3	7.65	.0	44	36	47.7	63.5	.3	2.4	226	232	.069

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
15...	.520	.061	.40	.46	.45	.98	.099	.074	.035	22	.11	14.2	<.06
JAN													
16...	1.06	.187	.97	1.2	.51	2.2	.128	.108	.089	21	.11	17.4	<.06
MAR													
29...	.628	.152	.23	.38	.31	1.0	.029	.010	<.018	33	E.04	16.4	<.06
MAY													
15...	.763	.162	.54	.70	.73	1.5	.198	.145	.111	13	.14	22.6	<.06
JUN													
12...	.625	.097	.50	.60	.39	1.2	.190	.103	.071	16	.10	16.6	E.04
JUL													
09...	.438	E.034	--	.41	.33	.84	.137	.109	.087	23	.10	17.7	<.06
AUG													
21...	1.33	.045	.94	.99	.63	2.3	.170	.095	.069	17	.18	19.0	<.06
SEP													
06...	1.51	.147	.59	.74	.88	2.2	.166	.119	.084	15	.16	18.7	<.06

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
15...	.08	1.2	.20	6.3	190	.35	33.3	.6	6.40	<1.0	9	.07	5.4
JAN													
16...	.13	2.7	.47	3.9	140	.37	67.1	.7	9.34	<1.0	16	.09	3.3
MAR													
29...	.10	1.0	.42	2.1	60	.33	49.0	E.2	5.05	<1.0	15	.04	2.8
MAY													
15...	.08	2.5	.36	4.7	200	.37	61.0	.9	9.66	<1.0	9	.04	4.7
JUN													
12...	.06	1.6	.21	3.9	90	.31	54.9	1.4	5.87	<1.0	8	.04	4.9
JUL													
09...	.10	2.2	.22	3.6	230	.64	41.3	1.0	7.04	<1.0	6	.07	4.1
AUG													
21...	.15	2.9	.38	8.1	80	.22	30.0	1.8	16.4	<1.0	7	E.01	6.3
SEP													
06...	.12	1.3	.61	7.5	130	.25	129	6.8	18.1	<1.0	8	.07	5.6

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT

LOCATION.--Lat 41°26'32", long 73°03'47", New Haven County, Hydrologic Unit 01100005, on left bank at downstream side of bridge on Bridge Street at Beacon Falls, 0.4 mi upstream from Bronson Brook, and at mile 10.1.
DRAINAGE AREA.--260 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1918 to September 1924, September 1928 to September 1955, published as "near Naugatuck," October 1955 to current year.
REVISED RECORDS.--WSP 1171: 1918-24, 1928-49. WSP 1501: 1956 (P). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 117.28 ft above sea level. Prior to Oct. 1, 1955, water-stage recorder at site 2.5 mi upstream at datum 37.89 ft higher. Oct. 1, 1955, to Mar. 21, 1957, nonrecording gage at present site and datum. Telephone telemetry at station. Satellite telemetry at station.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Winchester, Hall Meadow Brook, East Branch, Thomaston, Pitch, Morris, and Wigwam Reservoirs, Northfield Brook, Hancock Brook, Hop Brook, and Black Rock Lakes, and during low flow, by industrial plants upstream. Flow increased by diversion from Shepaug Reservoir into Naugatuck River Basin. Town of Watertown diverts about 0.5 Mgal/d from Pomperaug River Basin into Naugatuck River about 10 mi upstream.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in November 1927 reached a stage of 14 ft, former site and datum, discharge, about 26,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,020 ft^3/s, June 17, gage height, 9.19 ft; minimum discharge, 57 ft^3/s, Sep. 9, gage height, 1.05 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	138	114	340	301	580	490	2700	405	415	253	84	95
2	138	112	280	283	507	463	2390	391	955	268	83	76
3	135	112	233	269	436	424	2370	373	1180	225	82	73
4	129	113	218	273	352	407	2090	347	976	212	83	115
5	128	113	213	264	354	430	1770	338	685	459	85	95
6	152	117	204	274	398	461	1710	307	519	352	84	78
7	159	117	187	262	404	465	1810	285	425	233	83	73
8	144	119	179	259	338	412	2010	278	364	233	81	70
9	135	123	178	269	339	417	1900	275	318	224	75	68
10	126	716	161	248	502	459	2060	274	283	225	111	72
11	124	1010	189	231	537	453	1820	252	349	189	90	122
12	124	624	210	241	413	468	1880	247	965	161	83	91
13	121	371	204	222	425	996	1690	251	484	144	475	71
14	124	345	278	221	387	989	1390	225	379	139	294	198
15	122	448	284	251	420	860	1120	206	322	126	162	153
16	120	348	252	274	436	950	982	200	282	121	117	95
17	124	293	1510	278	521	1240	880	194	3140	124	107	82
18	172	254	2230	261	405	1260	817	189	2540	133	126	79
19	307	231	1810	337	374	1070	734	188	2170	125	95	74
20	215	216	1140	444	390	1070	678	177	946	119	102	94
21	176	207	589	360	407	1300	648	171	774	115	118	1020
22	159	199	522	298	348	4110	680	342	675	110	101	422
23	151	185	434	276	374	3570	629	1270	586	109	98	200
24	161	170	387	274	340	2660	583	1180	788	103	133	145
25	142	166	343	269	476	2250	548	968	612	97	88	320
26	137	370	277	243	871	2060	507	1550	470	127	80	332
27	131	500	320	250	725	1580	485	1990	402	117	81	227
28	128	387	309	237	596	1100	462	1170	348	101	80	183
29	118	326	267	219	---	1050	428	759	302	92	84	208
30	113	345	280	395	---	2190	413	594	266	90	82	151
31	114	---	318	643	---	2650	---	487	---	88	92	---
TOTAL	4467	8751	14346	8926	12655	38304	38184	15883	22920	5214	3539	5082
MEAN	144	292	463	288	452	1236	1273	512	764	168	114	169
MAX	307	1010	2230	643	871	4110	2700	1990	3140	459	475	1020
MIN	113	112	161	219	338	407	413	171	266	88	75	68

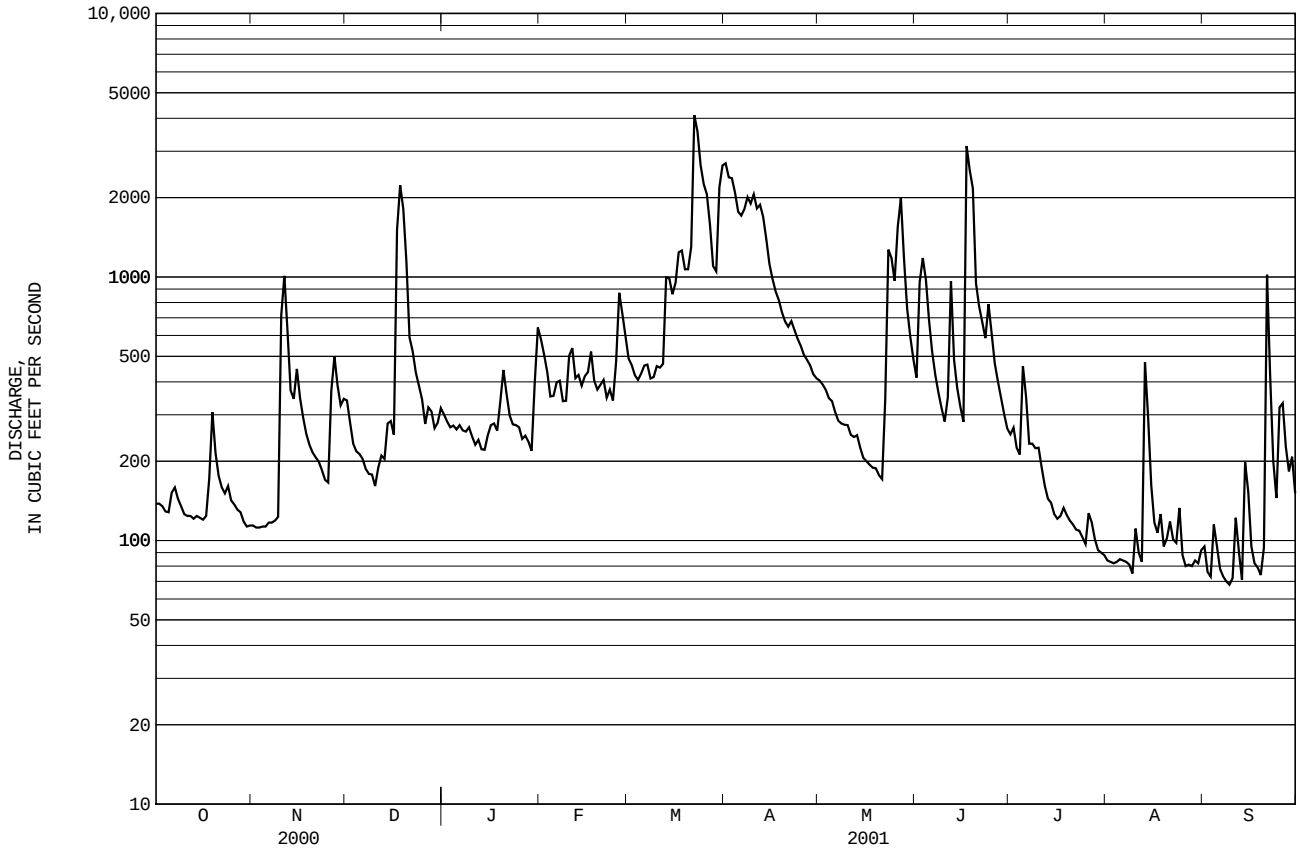
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

MEAN	320	478	578	616	614	1000	964	603	405	244	250	240
MAX	2480	1890	1688	2307	1436	2227	2467	2098	1973	957	2920	1301
(WY)	1956	1956	1997	1979	1981	1983	1983	1989	1982	1938	1955	1938
MIN	55.3	63.9	113	118	204	450	273	225	122	72.6	72.0	68.2
(WY)	1931	1932	1936	1981	1934	1989	1985	1941	1957	1966	1966	1931

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001	
ANNUAL TOTAL	175003		178271			
ANNUAL MEAN	478		488		525	
HIGHEST ANNUAL MEAN					830	1973
LOWEST ANNUAL MEAN					237	1965
HIGHEST DAILY MEAN	3180	Jun 7	4110	Mar 22	56400	Aug 19 1955
LOWEST DAILY MEAN	98	Jul 14	68	Sep 9	**c**40	Oct 5 1930
ANNUAL SEVEN-DAY MINIMUM	113	Oct 30	81	Sep 7	47	Jul 11 1971
MAXIMUM PEAK FLOW			7020	Jun 17	**a**106000	Aug 19 1955
MAXIMUM PEAK STAGE			9.19	Jun 17	**b**25.70	Aug 19 1955
INSTANTANEOUS LOW FLOW			57	Sep 9	24	Oct 21 1935
10 PERCENT EXCEEDS	1060		1170		1120	
50 PERCENT EXCEEDS	349		278		324	
90 PERCENT EXCEEDS	130		95		106	

a From rating curve extended above 9,000 ft^3/s, on basis of slope-area measurements of peak flow at gage height of 12.4 and 25.7 ft, use and datum then in use.
b From floodmarks.
c Also occurred on Oct. 12, 1930 and Sep. 7, 1936.



01208500 NAUGATUCK RIVER AT BEACON FALLS, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952, 1953, 1958, published as "near Naugatuck," 1961, 1963, 1966, 1968, 1974 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: September 1965 to October 1967.
WATER TEMPERATURES: September 1965 to October 1967.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,150 microsiemens July 8, 1966; minimum recorded, 100 microsiemens Apr. 2, 3, May 26, 1967.
WATER TEMPERATURES: Maximum, 30.5°C July 3, 1966, Apr. 5, 1967; minimum, 0.0°C on many days during winter periods.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
15...	1340	469	207	7.6	8.0	9.0	4.0	11.5	100	640	390k	36	9.86
JAN													
16...	1350	269	390	7.3	7.5	4.0	3.5	13.0	100	320k	240	46	12.9
MAR													
28...	1415	1050	216	7.2	11.5	6.0	2.8	13.2	104	59	22	34	9.46
MAY													
10...	1300	278	333	8.7	--	19.5	2.3	9.3	101	84	<1k	50	14.3
JUN													
12...	1245	870	188	7.4	25.0	20.0	12	9.2	102	--	2100	33	9.30
JUL													
09...	1340	226	278	8.0	31.0	25.0	2.7	9.4	116	100	25k	49	14.1
AUG													
21...	1245	115	407	8.9	28.5	26.0	3.9	11.3	141	210	22k	57	16.9
SEP													
06...	1215	78	498	8.7	23.0	21.5	2.2	11.2	126	170	29k	69	19.4

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
15...	2.86	23.0	3.20	.0	24	20	21.5	28.6	.2	6.7	126	127	.006
JAN													
16...	3.35	49.8	3.31	.0	27	22	25.0	77.1	.2	8.2	202	207	.026
MAR													
28...	2.56	23.3	1.97	.0	17	14	16.6	36.7	E.1	7.2	123	144	.012
MAY													
10...	3.41	41.4	3.69	.0	34	28	30.2	56.2	.3	3.8	199	195	.027
JUN													
12...	2.45	22.4	2.41	.0	21	17	15.9	31.4	E.2	5.9	110	126	.021
JUL													
09...	3.32	32.8	3.30	.0	37	30	20.8	43.8	.2	5.5	161	170	.023
AUG													
21...	3.72	52.9	5.18	5	49	49	36.2	57.9	.5	5.0	228	226	.016
SEP													
06...	4.95	66.8	8.27	2	54	49	54.7	74.3	.9	5.8	291	298	.018

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
15...	1.04	<.040	--	.52	.35	1.6	.590	.569	.493	26	.31	12.0	<.06
JAN													
16...	1.03	.197	.24	.44	.43	1.5	.400	.414	.413	23	.23	16.4	<.06
MAR													
28...	1.10	.090	.27	.36	.26	1.5	.246	.195	.183	38	<.05	18.1	<.06
MAY													
10...	1.08	.053	.75	.80	.51	1.9	.930	.881	.845	22	.20	15.5	<.06
JUN													
12...	.679	.141	.53	.67	.44	1.4	.359	.260	.252	20	.16	13.9	<.06
JUL													
09...	.974	E.030	--	.44	.34	1.4	.267	.234	.224	27	.19	13.2	<.06
AUG													
21...	1.53	<.040	--	.74	.47	2.3	.777	.727	.669	20	.42	12.7	<.06
SEP													
06...	3.06	<.040	--	.73	.59	3.8	2.91	2.66	2.57	12	.47	11.8	<.06

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
15...	.13	1.1	.21	8.8	200	.46	34.9	1.8	7.57	<1.0	29	.05	6.3
JAN													
16...	.19	1.4	.47	7.0	160	.41	105	1.3	9.38	<1.0	43	.06	3.5
MAR													
28...	.20	E.7	.55	5.7	110	.27	96.6	.4	5.64	<1.0	40	.03	3.1
MAY													
10...	.10	.9	.36	7.5	240	.34	64.9	1.9	8.54	<1.0	22	.05	6.7
JUN													
12...	.09	.9	.17	6.0	110	.41	40.2	1.7	4.70	<1.0	15	.03	6.0
JUL													
09...	.10	.9	.22	7.6	190	.54	33.6	2.5	4.97	<1.0	14	.06	4.7
AUG													
21...	.16	1.3	.37	9.2	160	.56	21.4	4.2	7.97	<1.0	19	<.02	5.7
SEP													
06...	.18	E.6	.45	14.0	180	.45	50.0	6.4	11.9	<1.0	25	.03	6.0

01208736 NAUGATUCK RIVER AT ANSONIA, CT

LOCATION.--Lat 41°19'50", long 73°04'47", New Haven County, Hydrologic Unit 01100005, at bridge on Division St., at Ansonia-Derby town line, and 1.2 mi upstream from Housatonic River.
DRAINAGE AREA.--309 mi^2.
PERIOD OF RECORD.--Water years 1968, 1974, to current year.
REMARKS.--Stream tidal affected.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV													
15...	1030	--	224	7.4	8.5	10.5	6.1	10.8	97	9700	2780k	40	11.1
JAN													
16...	1100	--	400	7.5	7.5	3.5	8.8	12.8	96	17000k	8400	47	13.4
MAR													
28...	1100	123	199	7.2	8.0	4.0	4.6	13.3	103	9300k	3930	35	9.66
MAY													
10...	1030	--	307	7.7	26.5	19.0	2.6	8.9	96	600	<1k	51	14.7
JUN													
12...	1000	--	143	7.4	28.0	19.5	52	8.6	95	--	4300	27	7.64
JUL													
09...	1000	272	260	7.7	30.5	22.5	2.2	9.4	109	1000	100	46	13.3
AUG													
21...	1010	175	362	8.2	26.5	25.5	4.6	9.4	115	5500	720	53	15.1
SEP													
06...	0940	100	420	8.4	23.0	22.0	4.0	8.2	92	620k	92	62	17.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
15...	2.88	21.7	3.67	.0	32	26	21.6	28.7	.2	7.3	132	137	.013
JAN													
16...	3.32	52.0	3.97	.0	32	26	25.6	83.7	.2	8.3	212	221	.027
MAR													
28...	2.57	20.9	2.03	.0	20	16	15.4	33.0	E.1	7.5	120	118	.025
MAY													
10...	3.55	37.4	4.08	.0	43	35	26.4	49.5	.3	4.5	181	194	.034
JUN													
12...	1.82	15.0	2.04	.0	14	12	13.0	21.8	E.1	4.5	85	136	.021
JUL													
09...	3.16	29.7	3.27	.0	37	30	20.2	39.7	.2	5.7	152	162	.058
AUG													
21...	3.59	47.0	4.95	.0	59	49	32.1	50.3	.6	4.5	204	204	.065
SEP													
06...	4.12	53.5	6.73	2	56	51	39.7	62.6	.7	3.3	237	252	.052

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV													
15...	1.26	.833	.57	1.4	1.3	2.7	.738	.659	.606	21	.33	11.8	<.06
JAN													
16...	1.15	.636	--	.14	.94	1.3	--	.424	.426	16	.20	16.0	<.06
MAR													
28...	1.11	.435	.51	.95	.72	2.1	.238	.152	.142	33	<.05	17.1	<.06
MAY													
10...	.993	1.70	.50	2.2	2.2	3.2	.873	.816	.791	19	.17	13.8	<.06
JUN													
12...	.868	.350	.78	1.1	.63	2.0	.321	.141	.120	16	.22	12.1	E.03
JUL													
09...	.967	.093	.45	.54	.45	1.5	.334	.298	.283	22	.21	13.0	<.06
AUG													
21...	1.18	.424	.71	1.1	.76	2.3	1.06	.959	.918	30	.36	10.9	<.06
SEP													
06...	1.62	.150	.81	.96	.61	2.6	.886	.775	.741	22	.40	8.5	<.06

01208736 NAUGATUCK RIVER AT ANSONIA, CT--Continued

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

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV													
15...	.12	.8	.25	10.5	180	.63	64.3	1.7	8.02	<1.0	30	.04	7.2
JAN													
16...	.19	1.0	.45	10.9	120	.47	110	1.3	9.68	<1.0	45	.05	5.3
MAR													
28...	.19	E.5	.48	7.2	90	.28	102	.4	5.25	<1.0	39	.03	3.8
MAY													
10...	.14	E.5	.38	17.9	210	.43	83.3	1.7	7.22	<1.0	27	.05	5.0
JUN													
12...	.11	E.6	.12	8.4	60	.53	33.0	.7	3.22	<1.0	18	.03	8.2
JUL													
09...	.10	E.7	.21	14.2	180	.60	45.6	2.4	4.41	<1.0	12	.05	4.5
AUG													
21...	.16	E.7	.36	14.2	110	.42	25.5	3.8	6.87	<1.0	15	.03	6.2
SEP													
06...	.13	<.8	.34	17.1	90	.35	19.7	4.6	7.99	<1.0	13	.08	7.0

RESERVOIRS IN HOUSATONIC RIVER BASIN

01201000 CANDLEWOOD LAKE (ROCKY RIVER RESERVOIR).--Lat 41°35’00”, long 73°26’00”, Litchfield County, Conn., Hydrologic Unit 01100005, on Rocky River, 2 mi west of New Milford. Drainage area, 40.5 mi^2. Usable capacity, 6,210,000,000 ft^3. Records available, August 1928 to current year. Completed in 1928 for storage of water for power; impounds water pumped from the Housatonic River during off peak power periods. Records furnished by Connecticut Light and Power Company.

01201999 CAIRNS RESERVOIR.--Lat 41°44’40”, long 73°18’05”, Litchfield County, Conn., Hydrologic Unit 01100005, on West Branch Shepaug River, 2.6 mi north of Woodville. Drainage area, 10.2 mi^2. Usable capacity, 360,000,000 ft^3. Records available November 1964 to current year. Completed in 1964 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01202000 SHEPAUG RESERVOIR.--Lat 41°43’24”, long 73°17’37”, Litchfield County, Conn., Hydrologic Unit 01100005, on Shepaug River 1 mi north of Woodville. Drainage area, 38.0 mi^2. Usable capacity, 96,100,000 ft^3, of which 76,900,000 ft^3 can be diverted for municipal supply. Storage below diversion intake can be released through floodgates or through a fountain at toe of dam. Records available, January 1933 to current year. Completed in September 1933 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01203500 LAKE LILLINONAH.--Lat 41°26’52”, long 73°17’49”, New Haven County, Conn., Hydrologic Unit 01100005, on Housatonic River, and Fairfield County, Conn., 2.3 mi north of Newtown. Drainage area, 1,392 mi^2. Usable capacity above taintor gate sills, 1,756,000,000 ft^3. Normal operating volume, 235,000,000 ft^3. Records available, January 1955 to current year. Completed in 1955 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205000 LAKE ZOAR.--Lat 41°23’00”, long 73°10’18”, Fairfield County, Conn., Hydrologic Unit 01100005, on Housatonic River at Stevenson. Drainage area, 1,541 mi^2. Usable capacity, 340,000,000 ft^3, revised. Records available, August 1928 to current year. Completed in 1919 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205560 HALL MEADOW BROOK DETENTION RESERVOIR.--Lat 41°52’10”, long 73°10’04”, Litchfield County, Conn., Hydrologic Unit 01100005, on Hall Meadow Brook in West Branch Naugatuck River basin, 5.2 mi north of Torrington. Drainage area, 12.0 mi^2. Usable capacity, 375,000,000 ft^3. Records available, October 1964 to current year. Completed in 1962 by Corps of Engineers for recreation and flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.

01205610 LAKE WINCHESTER.--Lat 41°54’27”, long 73°09’08”, Litchfield County, Conn., Hydrologic Unit 01100005, 1 mi northwest of Winchester on East Branch Naugatuck River. Drainage area, 2.18 mi^2. Usable capacity, 116,200,000 ft^3 based on lake survey by the Connecticut Board of Fisheries and Game. Records available, September 1965 to current year. Completed in 1926 for storage of water for power. Lake is presently used for conservation and recreation.

01205650 EAST BRANCH DETENTION RESERVOIR.--Lat 41°50’13”, long 73°07’15”, Litchfield County, Conn., Hydrologic Unit 01100005, on East Branch Naugatuck River, 2.3 mi north of Torrington. Drainage area, 9.30 mi^2. Usable capacity, 189,500,000 ft^3. Records available, March 1965 to current year. Completed in 1964 by Corps of Engineers for recreation and flood control. Operated and maintained by Parks and Recreation Unit of Connecticut Department of Environmental Protection. Records furnished by Corps of Engineers.

01206600 THOMASTON RESERVOIR.--Lat 41°41’41”, long 73°03’44”, Litchfield County, Conn., Hydrologic Unit 01100005, on Naugatuck River 0.2 mi downstream from Leadmine Brook, 1.5 mi north of Thomaston, and at mile 31.0. Drainage area, 96.1 mi^2. Usable capacity, 1,830,000,000 ft^3. Records available, January 1961 to current year. Completed in December 1960 by Corps of Engineers for flood control. Records furnished by Corps of Engineers.

01206940 NORTHFIELD BROOK LAKE.--Lat 41°40’48”, long 73°05’27”, Litchfield County, Conn., Hydrologic Unit 01100005, on Northfield Brook in Naugatuck River basin, 1 mi northwest of Thomaston. Drainage area, 5.52 mi^2. Usable capacity, 104,000,000 ft^3. Permanent pool capacity, 3,600,000 ft^3. Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

RESERVOIRS IN HOUSATONIC RIVER BASIN--Continued

01207000 PITCH RESERVOIR.--Lat 41°41’34”, long 73°09’04”, Litchfield County, Conn., Hydrologic Unit 01100005, on Branch Brook in Naugatuck River basin, 4 mi northwest of Thomaston. Drainage area, 5.93 mi^2. Usable capacity, 189,000,000 ft^3. Records available, October 1943 to current year. Completed in 1943 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01207500 MORRIS RESERVOIR.--Lat 41°40’29”, long 73°08’39”, Litchfield County, Conn., Hydrologic Unit 01100005, on Branch Brook in Naugatuck River basin, 3.5 mi west of Thomaston. Drainage area, including Pitch Reservoir, 13.0 mi^2. Usable capacity, 265,600,000 ft^3. Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1913 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208000 WIGWAM RESERVOIR.--Lat 41°39’50”, long 73°07’41”, Litchfield County, Conn., Hydrologic Unit 01100005, on Branch Brook in Naugatuck River basin, 3 mi west of Thomaston. Drainage area, including Pitch and Morris Reservoirs, 17.5 mi^2. Usable capacity, 98,500,000 ft^3. Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1902 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208011 BLACK ROCK LAKE.--Lat 41°39’26”, long 73°06’13”, Litchfield County, Conn., Hydrologic Unit 01100005, on Branch Brook in Naugatuck River basin, 1.8 mi southwest of Thomaston. Drainage area, 20.5 mi^2. Usable capacity, 373,000,000 ft^3. Permanent pool capacity, 11,543,000 ft^3. Records available, October 1970 to current year. Completed in 1970 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208130 HANCOCK BROOK LAKE.--Lat 41°37’23”, long 73°02’12”, Litchfield County, Conn., Hydrologic Unit 01100005, on Hancock Brook in Naugatuck River basin, 1.1 mi southwest of Hancock. Drainage area, 11.9 mi^2. Usable capacity 170,000,000 ft^3. Permanent pool capacity, 5,700,000 ft^3. Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208410 HOP BROOK LAKE.--Lat 41°30’50”, long 73°04’03”, New Haven County, Conn., Hydrologic Unit 01100005, on Hop Brook in Naugatuck River basin, 1.2 mi northwest of Union City. Drainage area, 16.0 mi^2. Usable capacity, 304,000,000 ft^3. Records available, February 1969 to current year. Completed in 1969 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208873 ROOSTER RIVER AT FAIRFIELD, CT

LOCATION.--Lat 41°10'47", long 73°13'10", Fairfield County, Hydrologic Unit 01100006, on left bank, on floodwall, at corner of Renwick Drive and Renwick Place, Bridgeport.
DRAINAGE AREA.--10.6 mi^2.
PERIOD OF RECORD.--October 1977 to current year.
GAGE.--Water-stage recorder. Datum of gage is 5.44 ft above sea level. Prior to June 22, 1988, at site 1,300 ft downstream at datum 3.06 ft lower.
REMARKS.--Records good except those for periods of estimated record, which are fair. Prior to June 22, 1988, stage sometimes affected by tide.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,060 ft^3/s, May 26, gage height, 8.30 ft; minimum discharge, 1.8 ft^3/s, on several days, gage height, 2.87 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	e5.9	12	e7.8	16	16	38	13	13	13	2.5	3.8
2	10	e5.9	e10	e7.5	16	15	32	13	86	8.5	2.5	2.9
3	10	e5.9	e9.8	e7.4	14	14	27	12	24	7.1	2.3	2.7
4	9.6	e5.8	e9.2	e7.4	13	14	24	11	17	7.4	2.3	2.7
5	9.9	e5.8	e8.7	e7.4	13	19	22	9.9	15	57	2.3	2.5
6	10	e5.8	e8.2	8.2	17	15	22	8.1	13	12	2.3	2.3
7	9.1	e5.8	e8.0	7.6	17	16	19	7.2	12	6.8	2.4	1.9
8	8.5	e5.8	e7.9	8.0	15	15	18	6.7	12	13	2.4	1.8
9	8.3	e5.8	7.8	8.6	16	21	39	6.4	11	6.7	2.6	1.8
10	8.2	161	7.8	7.2	27	23	27	6.0	9.9	5.8	29	1.9
11	8.0	26	9.0	7.1	20	21	18	5.4	10	9.7	3.8	1.9
12	7.8	13	9.5	6.9	17	20	32	7.1	9.8	5.3	3.9	1.9
13	7.5	11	9.2	6.7	20	121	19	5.6	9.7	4.9	7.2	1.9
14	7.4	22	35	6.5	17	41	17	4.9	8.1	4.6	9.7	37
15	7.1	14	11	11	19	32	16	4.7	7.7	4.3	4.5	3.4
16	7.2	11	26	11	25	28	15	4.4	7.3	4.2	2.3	2.3
17	6.9	10	74	9.2	25	39	15	4.5	173	4.5	6.6	2.0
18	12	9.5	25	7.9	20	28	13	4.2	21	4.2	3.3	1.9
19	8.8	e8.5	18	30	18	24	12	4.3	14	4.0	2.1	1.9
20	7.2	e8.2	16	18	19	21	12	4.1	12	3.9	79	9.4
21	e6.8	e7.8	14	13	20	84	13	4.1	13	3.7	9.4	78
22	e6.7	e7.5	13	11	18	110	15	90	11	3.5	5.0	5.7
23	e6.5	e7.2	12	11	19	63	12	46	11	3.4	14	4.0
24	e6.4	e7.0	12	10	17	37	12	16	10	3.3	7.1	3.1
25	e6.3	e7.0	11	9.7	58	30	11	13	9.0	3.2	3.9	8.3
26	e6.2	92	10	8.9	29	29	11	180	8.1	20	3.6	3.5
27	e6.1	20	10	8.6	20	24	12	43	7.6	4.0	33	2.8
28	e6.1	14	9.7	8.1	18	22	12	23	6.9	3.1	10	2.3
29	e6.0	13	8.8	7.8	---	20	12	21	6.3	2.9	4.5	2.2
30	e6.0	18	9.3	42	---	220	12	16	6.3	2.7	3.3	6.5
31	e5.9	---	e8.2	20	---	55	---	14	---	2.7	4.2	---
TOTAL	243.5	540.2	440.1	341.5	563	1237	559	608.6	574.7	239.4	271.0	204.3
MEAN	7.85	18.0	14.2	11.0	20.1	39.9	18.6	19.6	19.2	7.72	8.74	6.81
MAX	12	161	74	42	58	220	39	180	173	57	79	78
MIN	5.9	5.8	7.8	6.5	13	14	11	4.1	6.3	2.7	2.1	1.8
CFSM	.74	1.70	1.34	1.04	1.90	3.76	1.76	1.85	1.81	.73	.82	.64
IN.	.85	1.90	1.54	1.20	1.98	4.34	1.96	2.14	2.02	.84	.95	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)

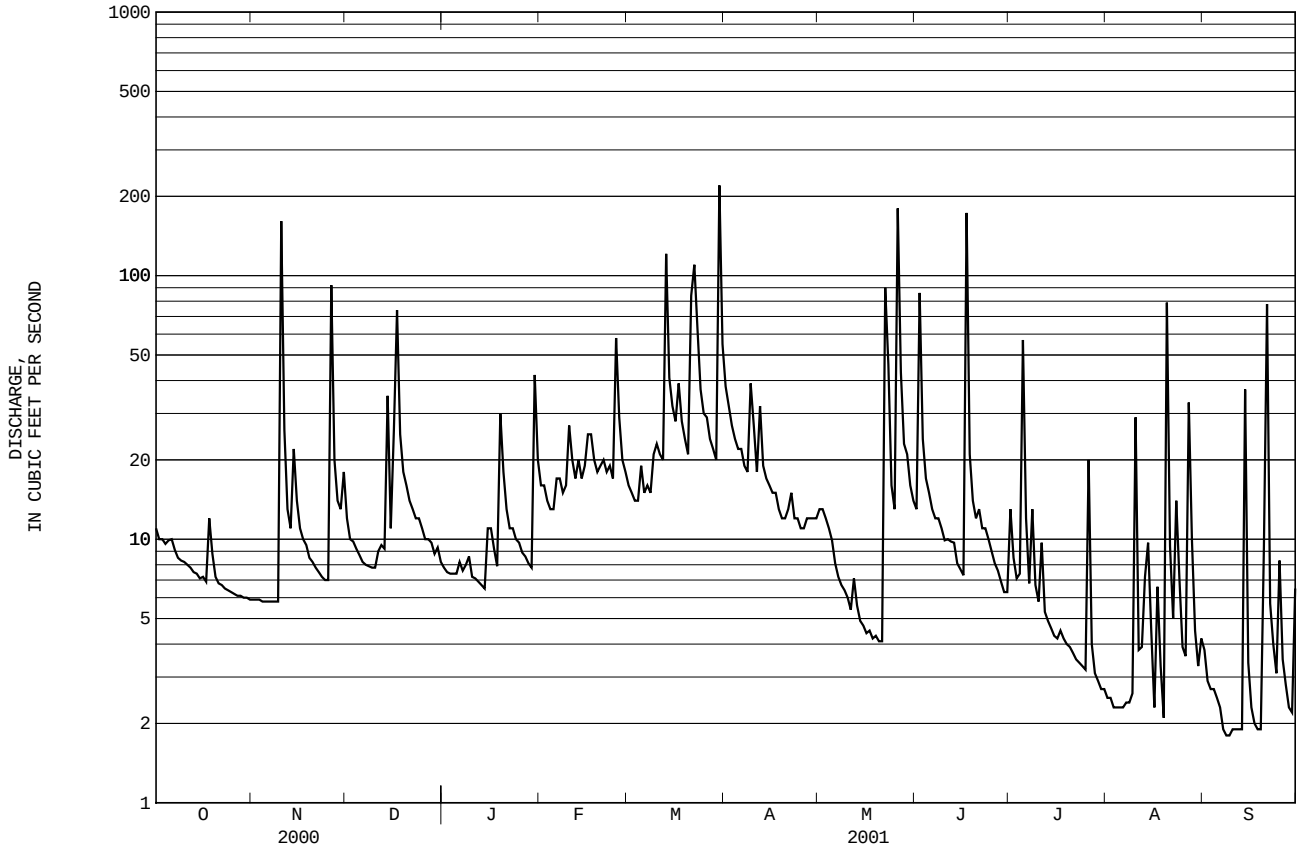
MEAN	11.1	15.5	17.2	21.0	17.8	23.8	23.8	20.4	14.9	9.02	10.6	9.17
MAX	34.1	34.0	42.1	74.1	34.1	45.0	75.1	71.2	65.1	23.1	31.9	23.9
(WY)	1990	1989	1997	1979	1979	1983	1983	1989	1982	1984	1992	2000
MIN	3.85	3.98	2.25	3.68	5.07	8.78	6.08	6.28	3.73	2.30	1.38	.000
(WY)	1995	1999	1999	1981	1980	1985	1985	1986	1999	1999	1981	1977

e Estimated.

01208873 ROOSTER RIVER AT FAIRFIELD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1977 - 2001	
ANNUAL TOTAL	6178.6		5822.3			
ANNUAL MEAN	16.9		16.0		16.2	
HIGHEST ANNUAL MEAN					24.3	1978
LOWEST ANNUAL MEAN					7.26	1985
HIGHEST DAILY MEAN	200	Apr 21	220	Mar 30	858	Jan 21 1979
LOWEST DAILY MEAN	2.9	Jul 13	1.8	Sep 8	.00	Apr 22 1977
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 7	1.9	Sep 7	.00	Apr 27 1977
MAXIMUM PEAK FLOW			1060	May 26	2170	Apr 9 1980
MAXIMUM PEAK STAGE			8.30	May 26	11.65	Apr 9 1980
INSTANTANEOUS LOW FLOW			**a**1.8	Sep 7	.16	Oct 2 1980
ANNUAL RUNOFF (CFSM)	1.59		1.50		1.53	
ANNUAL RUNOFF (INCHES)	21.68		20.43		20.81	
10 PERCENT EXCEEDS	28		28		30	
50 PERCENT EXCEEDS	10		9.7		9.4	
90 PERCENT EXCEEDS	6.2		3.3		2.4	

a Also occurred Sep. 8-10, 19, 20.



01208925 MILL RIVER NEAR FAIRFIELD, CT

LOCATION.--Lat 41°09'55", long 73°16'14", Fairfield County, Hydrologic Unit 01100006, on right bank just downstream from bridge on Duck Farm Road, 1.5 mi north of Fairfield, 18.3 mi downstream from headwater of Aspetuck River, 14.0 mi downstream from headwater of Mill River, and 2.3 mi upstream from mouth at Southport Harbor.
DRAINAGE AREA.--28.6 mi^2.
PERIOD OF RECORD.--October 1972 to current year.
REVISED RECORDS.--WDR CT-80-1: 1973-74, 1976-79 (P). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 15.89 ft above sea level.
REMARKS.--Records good except those for periods of ice effect, which are fair. Flow completely regulated by Easton, Hemlock, and Samp Mortar Reservoirs, usable capacity 609,900,000 ft^3, diversions into Hemlock Reservoir from Aspetuck Reservoir in the Aspetuck River Basin and by diversions from Hemlock and Easton Reservoirs by the BHC Company for water supply of the cities of Bridgeport and Fairfield.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 591 ft^3/s, Mar. 30, gage height, 4.73 ft; minimum discharge, 3.3 ft^3/s, Sep. 12, gage height, 0.88 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	20	10	24	e20	35	52	199	21	25	14	5.5	6.7
2	19	9.9	22	e18	33	56	147	20	88	14	5.2	5.4
3	19	9.9	20	e17	30	55	120	20	51	12	5.0	5.2
4	17	9.6	e18	e16	27	54	102	20	38	12	5.3	5.2
5	17	27	e17	18	29	62	87	22	33	27	5.5	5.1
6	19	37	e16	18	29	71	79	21	28	29	5.2	4.5
7	17	36	e15	17	28	63	75	20	25	15	5.0	4.5
8	16	35	e15	17	27	56	71	19	22	16	4.9	4.5
9	15	34	e14	18	26	60	78	18	20	15	4.5	4.4
10	15	139	e13	16	33	67	108	18	18	12	11	4.5
11	15	64	16	15	34	64	85	16	17	13	12	4.5
12	14	45	17	15	28	69	95	16	18	11	7.4	3.6
13	14	24	15	14	29	203	87	15	18	9.4	9.7	3.8
14	11	21	31	14	28	196	75	14	16	8.6	8.7	19
15	9.1	26	25	17	29	168	60	14	15	8.0	12	10
16	8.6	18	22	18	31	138	53	13	14	7.9	6.9	5.9
17	10	16	81	18	38	157	51	13	114	8.9	6.7	5.0
18	12	e14	63	17	32	150	55	13	55	7.8	7.4	5.0
19	15	e13	36	27	29	126	43	12	35	7.1	5.7	4.7
20	12	e12	32	36	29	109	38	11	27	6.6	30	6.6
21	10	e12	27	28	31	125	37	11	24	6.4	24	64
22	9.4	e11	26	23	30	366	42	65	23	6.1	11	20
23	10	e11	24	21	28	392	38	60	21	5.9	11	12
24	11	e10	22	20	26	245	34	46	19	5.9	14	9.5
25	11	e10	e19	19	46	181	35	33	17	5.8	8.7	12
26	10	83	e18	18	65	145	27	125	16	13	7.2	9.8
27	10	55	e17	18	48	125	26	101	15	11	17	7.9
28	15	30	e16	17	45	107	29	54	13	7.1	15	7.4
29	10	25	e16	16	---	93	26	43	12	6.3	9.9	6.8
30	8.9	28	25	34	---	370	22	36	12	5.9	7.1	6.9
31	9.3	---	25	43	---	314	---	30	---	5.6	6.7	---
TOTAL	409.3	875.4	747	623	923	4439	2024	940	849	333.3	295.2	274.4
MEAN	13.2	29.2	24.1	20.1	33.0	143	67.5	30.3	28.3	10.8	9.52	9.15
MAX	20	139	81	43	65	392	199	125	114	29	30	64
MIN	8.6	9.6	13	14	26	52	22	11	12	5.6	4.5	3.6

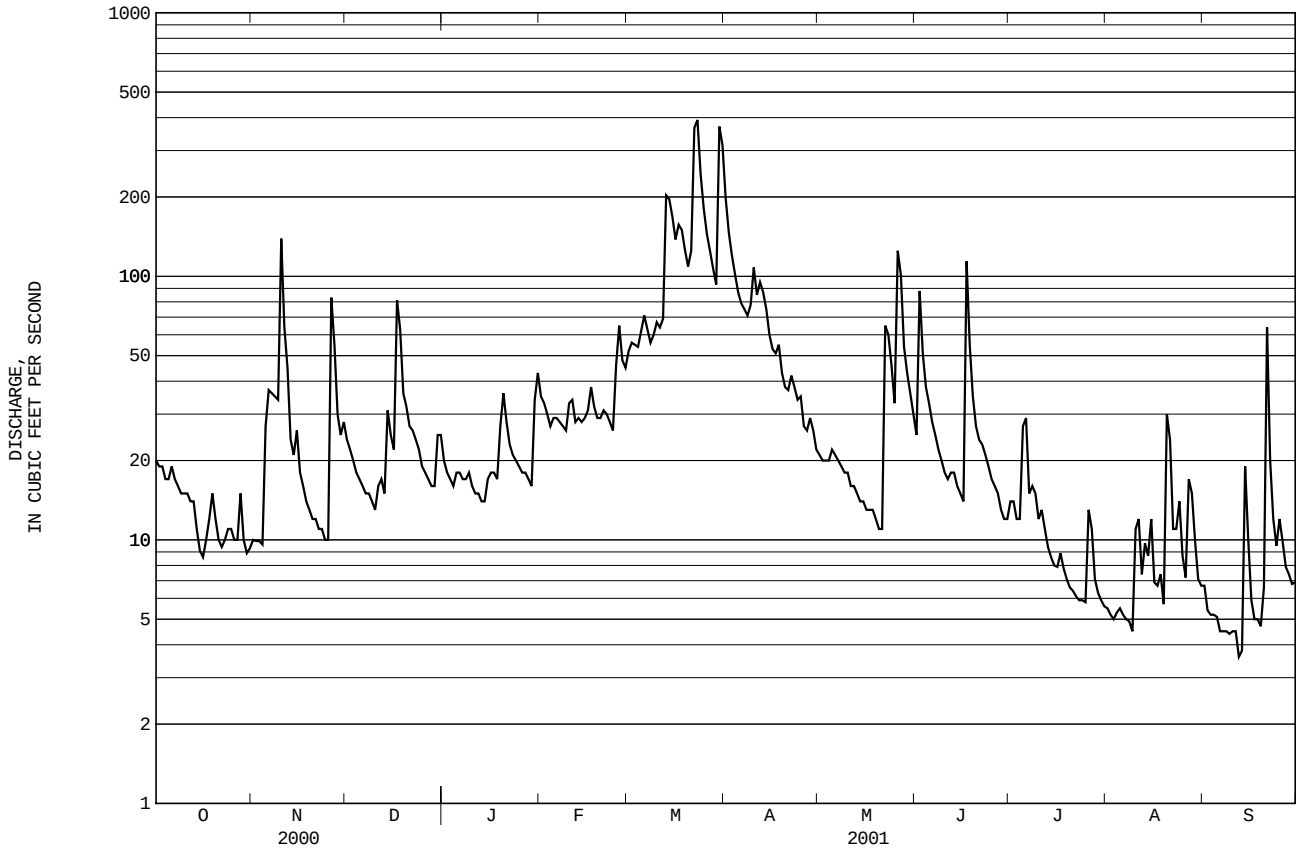
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	18.1	27.6	43.7	47.7	45.9	72.1	78.5	53.0	31.9	15.2	14.5	13.8
MAX	64.1	80.3	165	176	103	168	276	216	195	71.7	63.6	42.2
(WY)	1997	1997	1997	1979	1973	1983	1983	1989	1982	1984	1992	1994
MIN	2.98	8.00	7.04	3.13	9.99	19.9	12.1	10.2	2.74	.93	1.72	2.16
(WY)	1985	1999	1983	1981	1980	1985	1985	1986	1987	1987	1987	1983

e Estimated.

01208925 MILL RIVER NEAR FAIRFIELD, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1973 - 2001	
ANNUAL TOTAL	14574.0		12732.6			
ANNUAL MEAN	39.8		34.9		38.4	
HIGHEST ANNUAL MEAN					62.4	1984
LOWEST ANNUAL MEAN					12.0	1985
HIGHEST DAILY MEAN	345	Apr 22	392	Mar 23	1300	Jun 6 1982
LOWEST DAILY MEAN	8.6	Oct 16	3.6	Sep 12	.00	Nov 7 1979
ANNUAL SEVEN-DAY MINIMUM	9.7	Oct 29	4.3	Sep 7	.71	Jul 16 1987
MAXIMUM PEAK FLOW			591	Mar 30	1800	Apr 10 1980
MAXIMUM PEAK STAGE			4.73	Mar 30	7.15	Apr 10 1980
INSTANTANEOUS LOW FLOW			3.3	Sep 12	.00	Nov 7 1979
10 PERCENT EXCEEDS	77		78		85	
50 PERCENT EXCEEDS	28		18		21	
90 PERCENT EXCEEDS	13		6.7		3.8	



01208950 SASCO BROOK NEAR SOUTHPORT, CT

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, Hydrologic Unit 01100006, on left downstream abutment of bridge on Hulls Farm Road, 1.5 mi northwest of Southport.
DRAINAGE AREA.--7.38 mi^2.
PERIOD OF RECORD.--Occasional low-flow measurements and annual maximum, water years 1961-64. October 1964 to current year.
REVISED RECORDS.--WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 52.01 ft above sea level. Sept. 6, 1960, to Oct. 6, 1964, crest-stage gage, Oct. 7, 1964 to June 16, 1966, water-stage recorder, and June 17, 1966, to Apr. 27, 1969, nonrecording gage and crest-stage gage at same site and datum. Telephone telemetry at station.
REMARKS.--Records good except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	0330	178	3.05	Mar 30	1345	*237	*3.48

Minimum discharge, 0.10 ft^3/s, Aug. 9, 10, Sep. 12, gage height, 0.90 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	5.1	e2.4	16	e8.2	24	19	49	7.9	8.3	2.1	.37	.81
2	5.0	e2.3	13	e7.7	e22	18	38	7.3	49	2.9	.35	.63
3	5.0	e2.3	e10	e7.4	e17	17	32	6.6	27	2.4	.28	.54
4	4.4	e2.3	e9.7	e7.2	e13	17	27	6.6	15	2.0	.26	.42
5	3.9	e2.2	e9.0	e8.0	e12	18	24	6.0	12	5.7	.26	.36
6	4.6	e2.2	e8.2	9.0	16	18	23	5.6	9.9	13	.26	.33
7	4.8	e2.2	e7.9	e8.0	16	17	22	5.2	8.2	5.3	.26	.25
8	3.8	e2.2	e7.4	e7.5	15	16	20	4.7	7.3	4.4	.19	.21
9	3.2	e2.2	e7.0	9.4	14	19	25	4.6	6.4	4.8	.14	.19
10	e2.8	73	e6.6	e8.0	e19	24	47	4.6	5.8	3.5	.59	.16
11	e2.6	46	10	e7.1	e14	24	26	4.3	5.4	3.1	.96	.14
12	e2.5	20	11	e6.8	e12	24	33	4.0	5.2	2.8	.65	.11
13	e2.4	13	9.4	e6.6	14	97	26	4.0	5.9	2.1	1.3	.14
14	e2.4	13	21	e6.5	14	66	20	3.6	5.6	1.9	1.0	1.8
15	e2.4	17	18	8.5	17	45	18	3.3	4.8	1.5	.81	1.9
16	e2.4	12	14	11	17	38	17	2.9	4.1	1.4	.64	.97
17	2.7	e9.5	55	11	e20	48	18	2.9	50	1.4	.46	.62
18	3.6	e8.5	48	10	e13	40	17	2.9	29	1.4	.57	.43
19	6.4	e8.0	23	17	e12	30	14	2.9	11	1.4	.43	.36
20	5.0	e7.5	19	26	e14	26	13	2.7	8.4	1.3	1.3	.39
21	4.3	e7.0	16	16	18	35	14	2.4	7.4	1.1	3.5	27
22	e3.6	e6.7	e13	13	e13	136	17	32	8.6	.97	1.5	9.8
23	e3.3	e6.4	e10	12	e12	87	14	38	7.3	.89	1.2	4.3
24	e3.0	e6.1	e9.0	11	e12	47	12	27	6.8	.77	2.8	2.5
25	e2.9	e6.0	e8.1	e9.5	28	35	11	15	5.8	.64	1.4	4.0
26	e2.8	60	e7.9	e9.0	52	31	11	43	4.5	.68	.99	3.5
27	e2.7	56	e7.6	e8.5	31	29	10	50	3.5	.86	2.7	2.4
28	e2.6	23	e7.4	e8.0	24	26	9.7	20	2.9	.73	6.0	2.0
29	e2.5	17	e7.2	e7.9	---	23	8.8	14	2.6	.62	2.3	1.5
30	e2.5	19	e7.1	21	---	155	8.3	13	2.2	.53	1.3	1.4
31	e2.4	---	e9.0	31	---	87	---	9.9	---	.42	.98	---
TOTAL	107.6	455.0	425.5	337.8	505	1312	624.8	356.9	329.9	72.61	35.75	69.16
MEAN	3.47	15.2	13.7	10.9	18.0	42.3	20.8	11.5	11.0	2.34	1.15	2.31
MAX	6.4	73	55	31	52	155	49	50	50	13	6.0	27
MIN	2.4	2.2	6.6	6.5	12	16	8.3	2.4	2.2	.42	.14	.11
CFSM	.47	2.06	1.86	1.48	2.44	5.73	2.82	1.56	1.49	.32	.16	.31
IN.	.54	2.29	2.14	1.70	2.55	6.61	3.15	1.80	1.66	.37	.18	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

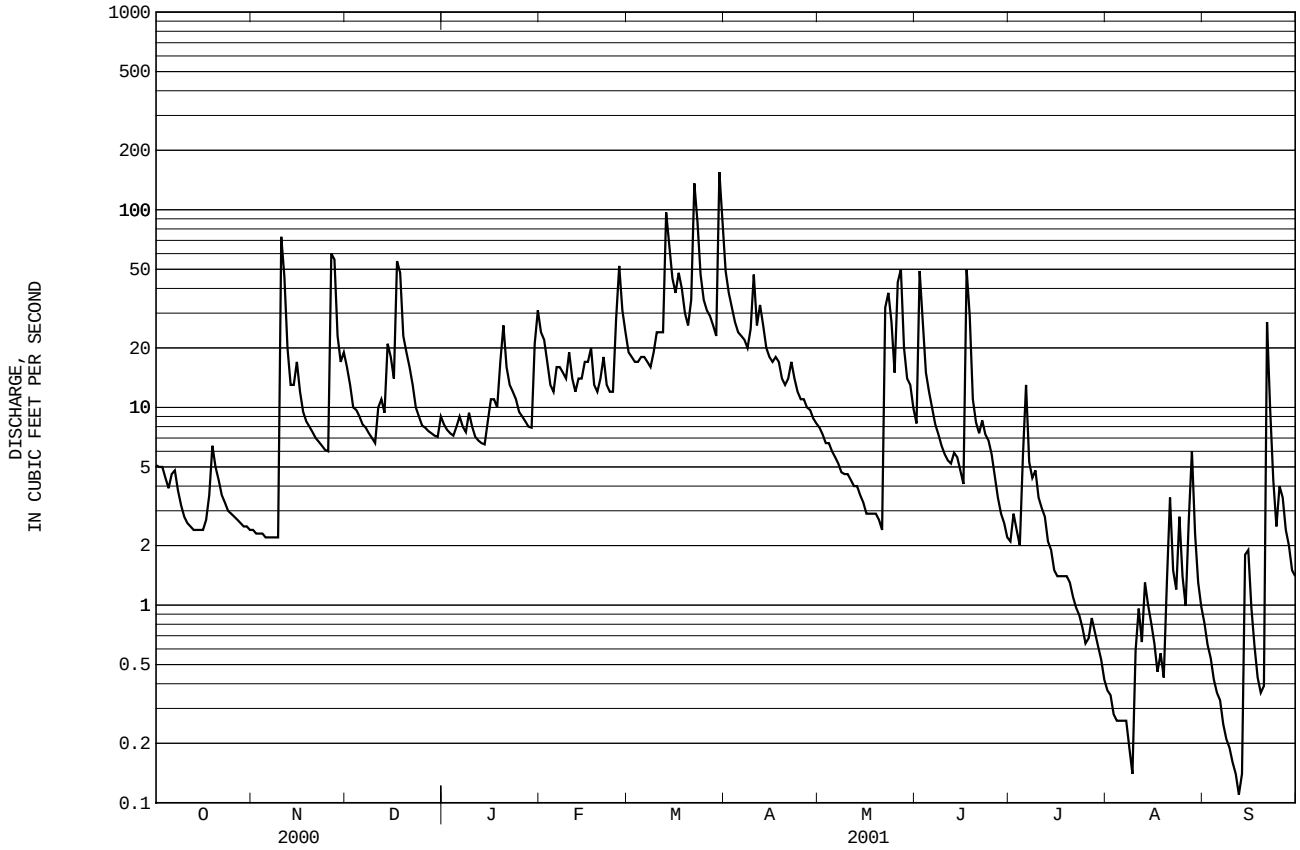
MEAN	6.53	12.1	17.8	17.8	18.1	25.7	23.6	16.9	11.4	4.53	4.02	4.58
MAX	25.0	26.4	46.1	60.3	36.9	46.4	82.2	79.1	79.2	21.1	18.9	20.6
(WY)	1997	1978	1997	1979	1970	1983	1983	1989	1972	1984	1992	1974
MIN	.22	.84	.50	1.97	5.10	9.56	6.34	3.69	1.35	.22	.076	.16
(WY)	1965	1966	1999	1966	1980	1981	1985	1986	1999	1966	1966	1980

e Estimated.

01208950 SASCO BROOK NEAR SOUTHPORT, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	5067.62		4632.02			
ANNUAL MEAN	13.8		12.7		13.6	
HIGHEST ANNUAL MEAN					22.2	1984
LOWEST ANNUAL MEAN					4.47	1966
HIGHEST DAILY MEAN	141	Apr 22	155	Mar 30	785	Jun 19 1972
LOWEST DAILY MEAN	.70	Jul 14	.11	Sep 12	.00	Jul 26 1993
ANNUAL SEVEN-DAY MINIMUM	.90	Jul 8	.17	Sep 7	.01	Oct 6 1964
MAXIMUM PEAK FLOW			237	Mar 30	1640	Jun 19 1972
MAXIMUM PEAK STAGE			3.48	Mar 30	7.00	Jun 19 1972
INSTANTANEOUS LOW FLOW			**a** .10	Aug 9	.00	Jul 23 1991
ANNUAL RUNOFF (CFSM)	1.88		1.72		1.84	
ANNUAL RUNOFF (INCHES)	25.54		23.35		24.96	
10 PERCENT EXCEEDS	27		29		29	
50 PERCENT EXCEEDS	10		7.4		7.9	
90 PERCENT EXCEEDS	2.4		.71		.72	

a Also occurred on Aug. 10, Sep. 12.



01208990 SAUGATUCK RIVER NEAR REDDING, CT

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, Hydrologic Unit 01100006, on right downstream side of bridge on State Route 53, 100 ft south of intersection of State Routes 53 and 107, 0.8 mi upstream from Saugatuck Reservoir, and 1.0 mi southwest of Redding.
DRAINAGE AREA.--21.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-64, and annual maximum, water years 1962-64. October 1964 to current year.
REVISED RECORDS.--WDR CT-80-1: 1976-79 (P). WDR CT-83-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 285.42 ft above sea level. Nov. 7, 1961, to Oct. 4, 1964, crest-stage gage, Oct. 1, 1964 to Apr. 25, 1966, water-stage recorder, and Apr. 26, 1966, to Sept. 30, 1969, nonrecording gage and crest-stage gage at same site and datum. Telephone telemetry at station.
REMARKS.--Records good except for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 180 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 17	1500	217	3.04	Mar 30	1545	*318	*3.44
Mar 22	2145	302	3.38	Jun 17	1400	234	3.11

Minimum discharge, 0.79 ft^3/s, Aug. 10, 11, gage height, 0.69 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	4.0	e23	e21	e50	53	173	21	11	24	1.5	2.5
2	5.2	4.0	e19	e20	e44	49	146	22	58	19	1.5	2.2
3	4.3	3.8	e16	e20	e40	47	126	19	50	15	1.3	1.7
4	3.6	5.4	e14	e19	e37	46	107	16	37	13	1.2	1.4
5	4.0	6.2	e12	e18	e34	47	96	15	27	26	1.3	1.5
6	5.5	4.0	e11	e18	45	50	89	13	19	28	1.3	1.6
7	5.1	4.0	e10	e17	41	48	88	13	15	19	1.2	1.4
8	4.3	3.9	e11	e17	36	43	86	12	12	20	1.0	1.3
9	3.7	3.8	e10	e17	35	41	85	11	11	18	.91	1.1
10	3.1	28	e10	e16	46	42	101	11	9.3	14	.82	1.0
11	2.9	41	e10	e16	e38	43	76	9.2	8.1	14	.81	1.1
12	3.1	30	16	e16	e35	44	88	9.8	8.4	12	1.1	1.4
13	2.8	25	14	e16	e34	120	79	8.9	21	10	1.4	1.3
14	2.8	22	24	e16	e33	116	65	6.9	12	8.6	4.6	2.5
15	3.2	20	23	18	e32	102	59	6.3	9.3	7.6	13	4.3
16	3.2	15	22	20	e32	110	54	6.1	8.0	6.5	8.6	2.7
17	3.0	12	132	21	e31	140	55	6.0	145	5.7	5.4	2.0
18	3.9	11	150	19	e31	133	50	5.8	169	5.4	3.9	1.7
19	6.4	11	e75	28	e30	118	45	6.1	87	4.9	3.1	1.5
20	4.7	9.5	e53	38	e30	113	42	5.4	47	4.4	6.8	3.2
21	4.2	9.1	e46	e30	e30	129	37	4.9	37	3.8	8.7	61
22	4.0	e9.0	e41	e28	e30	272	37	23	31	3.4	3.8	24
23	3.5	e8.7	e38	e23	e30	269	33	38	37	3.0	4.7	17
24	3.2	e8.5	e34	e20	e34	211	29	35	48	2.6	6.4	12
25	3.4	8.4	e32	e19	54	170	27	26	36	2.4	3.8	36
26	3.5	36	e30	e18	91	144	25	40	26	2.6	2.8	26
27	3.2	47	e28	e18	74	129	24	56	21	2.7	2.6	19
28	3.7	38	e25	e17	63	115	23	33	18	2.4	3.5	13
29	3.3	31	e24	20	---	101	23	23	14	2.1	2.9	9.6
30	3.3	29	e23	46	---	241	24	17	14	1.8	2.6	7.3
31	3.6	---	e22	64	---	225	---	13	---	1.7	2.3	---
TOTAL	119.9	488.3	998	694	1140	3511	1992	532.4	1046.1	303.6	104.84	262.3
MEAN	3.87	16.3	32.2	22.4	40.7	113	66.4	17.2	34.9	9.79	3.38	8.74
MAX	6.4	47	150	64	91	272	173	56	169	28	13	61
MIN	2.8	3.8	10	16	30	41	23	4.9	8.0	1.7	.81	1.0
CFSM	.18	.78	1.53	1.07	1.94	5.39	3.16	.82	1.66	.47	.16	.42
IN.	.21	.86	1.77	1.23	2.02	6.22	3.53	.94	1.85	.54	.19	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

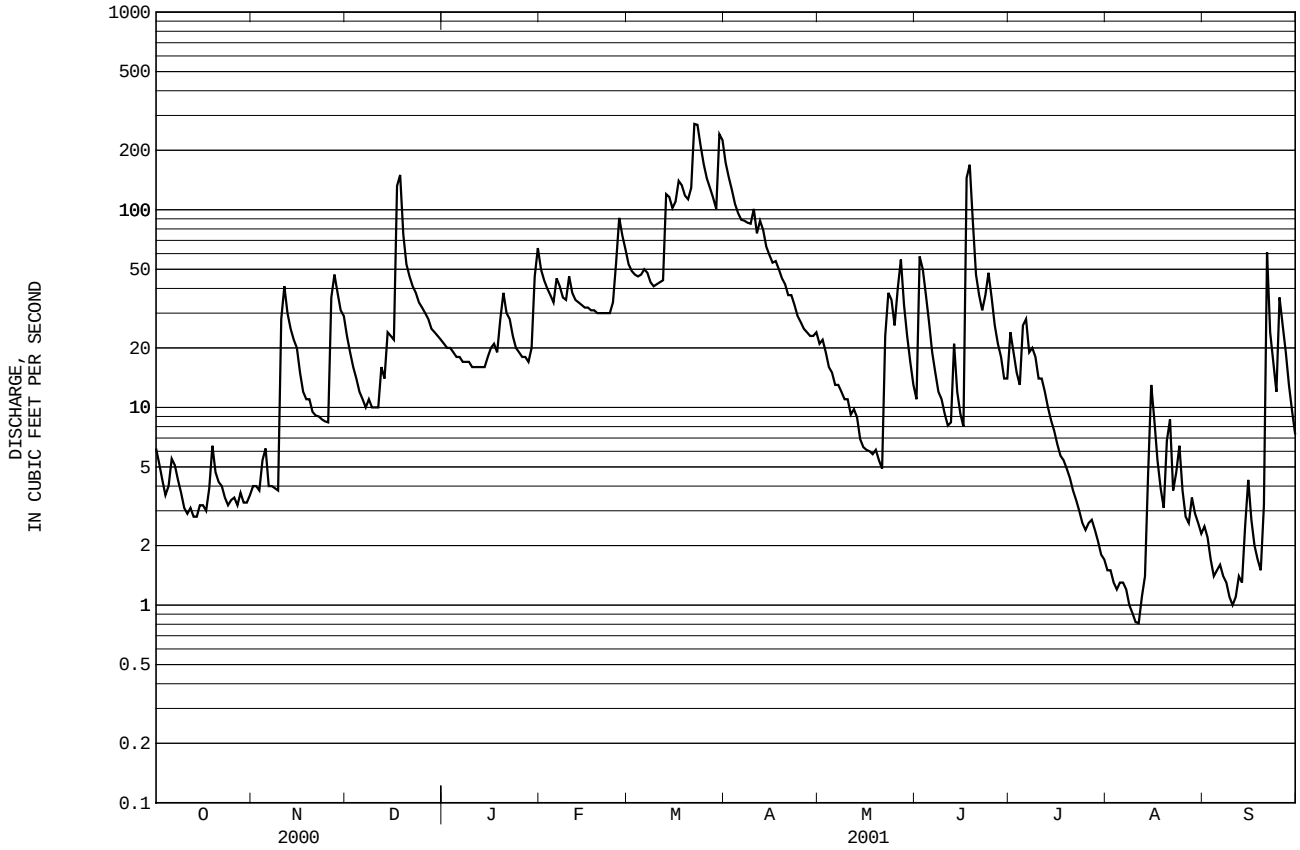
MEAN	20.1	36.8	55.3	53.2	55.9	79.9	71.3	48.5	30.2	14.4	11.5	15.0
MAX	87.9	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1
(WY)	1997	1973	1984	1979	1970	1983	1983	1989	1972	1984	1976	1975
MIN	.92	2.28	8.05	4.69	16.2	34.7	18.9	11.4	6.01	.88	.22	.42
(WY)	1965	1965	1966	1981	1980	1982	1985	1986	1995	1966	1966	1983

e Estimated.

01208990 SAUGATUCK RIVER NEAR REDDING, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	10969.6		11192.44			
ANNUAL MEAN	30.0		30.7		40.9	
HIGHEST ANNUAL MEAN					74.8	1984
LOWEST ANNUAL MEAN					16.2	1966
HIGHEST DAILY MEAN	152	Jun 8	272	Mar 22	1300	Mar 22 1980
LOWEST DAILY MEAN	2.4	Sep 12	.81	Aug 11	.05	Sep 2 1966
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 6	1.0	Aug 6	.11	Aug 28 1966
MAXIMUM PEAK FLOW			318	Mar 30	2160	Mar 25 1969
MAXIMUM PEAK STAGE			3.44	Mar 30	5.88	Mar 25 1969
INSTANTANEOUS LOW FLOW			**a** .79	Aug 10	.05	Sep 2 1966
ANNUAL RUNOFF (CFSM)	1.43		1.46		1.95	
ANNUAL RUNOFF (INCHES)	19.43		19.83		26.49	
10 PERCENT EXCEEDS	60		81		92	
50 PERCENT EXCEEDS	25		18		25	
90 PERCENT EXCEEDS	4.0		2.6		2.4	

a Also occurred on Aug. 11.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years, 1964, 1966, June 1968 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
23...	1245	3.5	230	8.0	15.0	10.0	.5	11.4	99	6k	64k	96	25.1
JAN													
17...	1205	21	223	8.0	5.5	.5	1.2	13.6	94	6k	17k	76	20.0
APR													
03...	1445	124	171	7.5	11.0	6.5	.6	12.2	100	4k	12k	53	14.1
JUL													
25...	1015	2.5	257	8.3	30.0	25.5	5.8	8.0	95	24	57	98	25.6

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
23...	8.03	10.9	2.28	.0	100	82	9.1	16.9	<.2	9.9	140	152	<.006
JAN													
17...	6.24	12.2	1.63	4	59	56	10.0	22.6	<.2	10.4	126	127	E.003
APR													
03...	4.30	10.2	1.20	.0	46	38	9.4	18.4	<.2	6.9	102	90	<.006
JUL													
25...	8.21	10.8	1.64	.0	100	82	7.5	21.8	<.2	5.4	134	148	<.006

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT													
23...	<.047	<.041	.22	.18	--	.007	E.005	<.018	4	E.04	18.9	<.06	<.04
JAN													
17...	.296	<.040	.14	.16	.44	.009	.006	<.020	7	.06	16.1	<.06	<.04
APR													
03...	.299	<.041	.19	.11	.49	.011	E.005	<.018	9	E.04	12.8	<.06	<.04
JUL													
25...	.048	<.040	.31	.18	.36	.029	.010	<.020	5	.06	18.1	<.06	<.04

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
23...	<.8	.10	.6	50	E.04	5.2	.2	.43	<1.0	<1	.36	4.3
JAN												
17...	<.8	.08	.5	120	.09	17.7	E.1	.33	<1.0	<1	.21	3.6
APR												
03...	<.8	.05	.5	30	E.06	6.0	E.1	.18	<1.0	<1	.08	2.9
JUL												
25...	<.8	.08	.5	40	E.04	14.0	.4	<.06	<1.0	<1	.47	4.5

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01209700 NORWALK RIVER AT SOUTH WILTON, CT

LOCATION.--Lat 41°09'49", long 73°25'11", Fairfield County, Hydrologic Unit 01100006, on right bank at upstream side of bridge on Kent Road at South Wilton, 2.5 mi north of Norwalk.
DRAINAGE AREA.--30.0 mi^2.
PERIOD OF RECORD.--Discharge: Occasional low-flow measurements, water years 1961-62. September 1962 to current year. Water-quality records: Water years 1976-78.
REVISED RECORDS.--WDR CT-80-1: 1968-70 (P), 1971-79 (M,P).
GAGE.--Water-stage recorder. Datum of gage is 115.69 ft above sea level.
REMARKS.--Records good except those for periods of ice effect, which are fair. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminable amount of water from Streets (Popes) Pond, drainage area 2.36 mi^2. High flows affected by Spectacle Swamp Detention Reservoir, drainage area, 1.16 mi^2.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of October 1955 reached a stage of 13.5 ft from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 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	1000	305	2.53	Mar 30	1830	*655	*3.33
Mar 22	2400	542	3.11				

Minimum discharge, 2.8 ft^3/s, Aug. 9, 10, gage height, 0.85 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	8.1	5.4	25	e22	e60	87	231	30	21	16	4.1	11
2	7.6	5.8	21	e21	e50	78	184	25	123	18	3.8	7.0
3	6.9	5.8	17	e19	e43	71	156	23	85	14	3.6	6.4
4	6.4	5.5	16	e19	e40	71	137	22	56	12	3.7	5.9
5	7.5	5.7	15	e19	e38	74	119	20	42	21	3.7	5.3
6	8.8	6.3	14	e18	44	72	112	18	31	31	3.4	4.7
7	8.0	6.0	13	e18	43	66	108	17	25	21	3.3	4.5
8	7.2	5.7	14	e18	40	61	100	17	21	22	3.1	4.4
9	6.5	5.9	12	e18	38	65	111	17	19	21	3.0	4.2
10	6.4	60	11	e17	49	70	170	16	15	16	4.0	3.9
11	6.0	54	13	e17	56	72	116	15	15	16	3.8	3.8
12	5.8	32	15	e17	e43	77	126	14	15	13	4.0	3.5
13	5.7	25	14	e17	e41	223	112	13	17	11	5.8	3.5
14	5.6	25	31	e16	e40	193	94	12	16	9.7	4.8	17
15	5.4	20	32	e16	e39	166	84	11	15	8.4	4.6	9.6
16	5.2	14	28	23	e39	164	77	11	14	7.7	5.1	7.7
17	5.2	12	145	24	e38	208	71	11	164	8.0	4.7	6.6
18	7.2	10	176	23	e38	187	68	11	136	7.7	4.4	5.6
19	7.7	9.0	106	35	e37	159	56	11	78	6.5	3.8	5.0
20	9.0	8.1	81	50	e37	147	54	10	52	6.2	41	15
21	6.8	7.6	62	39	e36	165	55	9.7	43	6.0	22	100
22	6.6	7.3	e42	32	e36	445	66	58	37	5.7	11	38
23	5.8	6.8	e34	e26	e36	418	55	71	30	5.4	13	27
24	5.8	6.2	e28	e25	e35	264	51	56	44	5.2	19	22
25	6.0	5.9	e27	e23	81	204	46	41	34	4.9	10	47
26	5.7	65	e24	e22	140	174	40	61	30	12	8.5	34
27	5.7	68	e23	e21	114	154	39	69	23	6.7	9.7	26
28	5.1	39	e21	e20	103	139	39	42	19	5.5	14	21
29	5.7	32	e21	e19	---	123	33	34	14	5.0	11	16
30	5.2	31	e20	52	---	439	32	30	12	4.7	10	13
31	5.2	---	e23	81	---	356	---	24	---	4.4	12	---
TOTAL	199.8	590.0	1124	787	1434	5192	2742	819.7	1246	351.7	257.9	478.6
MEAN	6.45	19.7	36.3	25.4	51.2	167	91.4	26.4	41.5	11.3	8.32	16.0
MAX	9.0	68	176	81	140	445	231	71	164	31	41	100
MIN	5.1	5.4	11	16	35	61	32	9.7	12	4.4	3.0	3.5
CFSM	.21	.66	1.21	.85	1.71	5.58	3.05	.88	1.38	.38	.28	.53
IN.	.25	.73	1.39	.98	1.78	6.44	3.40	1.02	1.55	.44	.32	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

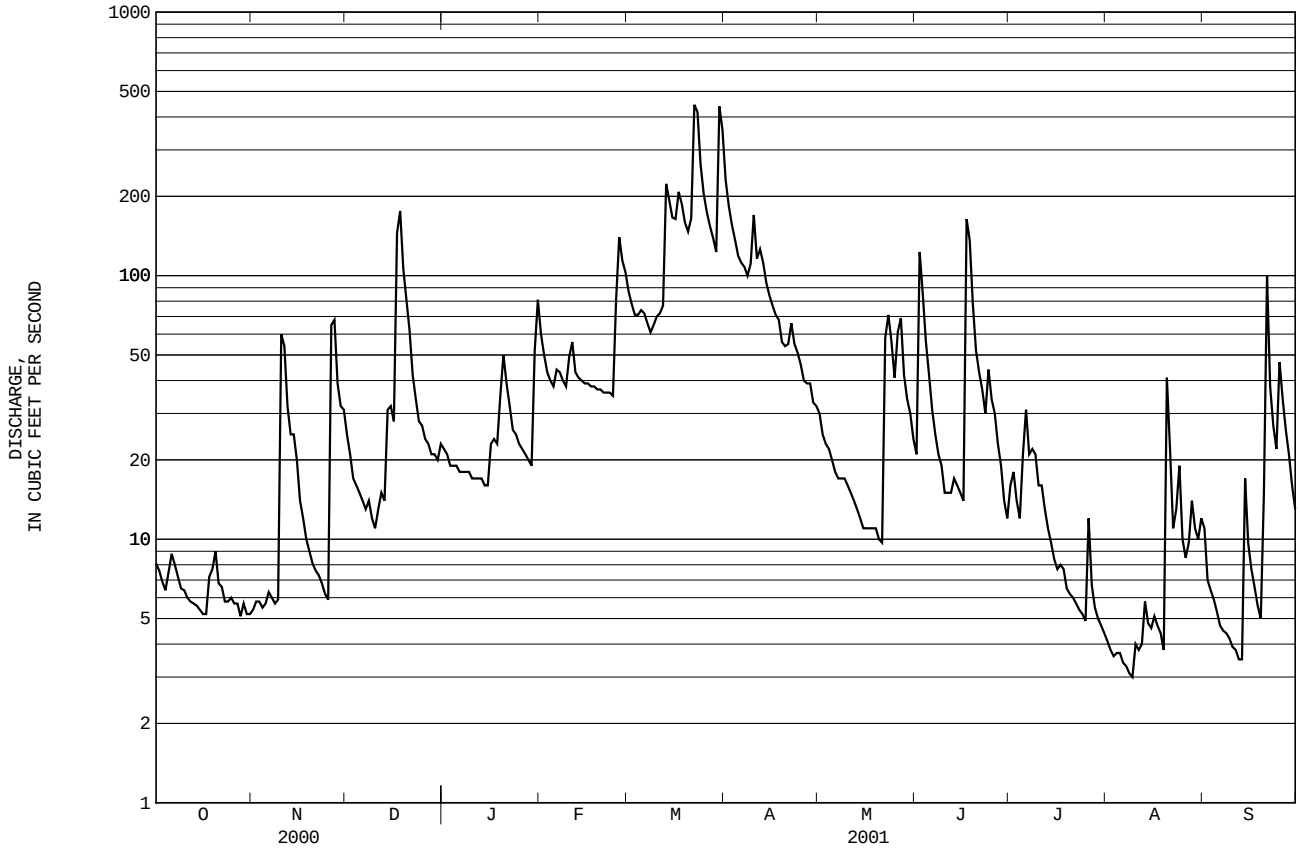
MEAN	28.6	48.7	70.6	73.1	74.1	109	102	72.2	43.3	20.6	17.1	21.5
MAX	128	131	210	250	165	227	327	384	266	105	63.4	129
(WY)	1976	1973	1997	1979	1973	1983	1983	1989	1972	1984	1976	1971
MIN	2.02	4.23	8.04	5.90	18.1	43.7	25.4	15.9	10.4	3.73	1.64	1.64
(WY)	1965	1965	1999	1981	1980	1982	1985	1986	1965	1966	1965	1964

e Estimated.

01209700 NORWALK RIVER AT SOUTH WILTON, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	14612.9		15222.7			
ANNUAL MEAN	39.9		41.7		56.7	
HIGHEST ANNUAL MEAN					94.6	1984
LOWEST ANNUAL MEAN					22.9	1966
HIGHEST DAILY MEAN	389	Jun 7	445	Mar 22	1650	Apr 10 1980
LOWEST DAILY MEAN	5.1	Sep 10	3.0	Aug 9	.80	Sep 12 1964
ANNUAL SEVEN-DAY MINIMUM	5.4	Sep 6	3.4	Aug 3	.91	Sep 7 1964
MAXIMUM PEAK FLOW			655	Mar 30	2890	Apr 10 1980
MAXIMUM PEAK STAGE			3.33	Mar 30	6.27	Apr 10 1980
INSTANTANEOUS LOW FLOW			**a**2.8	Aug 9	.30	Sep 24 1964
ANNUAL RUNOFF (CFSM)	1.33		1.39		1.89	
ANNUAL RUNOFF (INCHES)	18.12		18.88		25.67	
10 PERCENT EXCEEDS	87		111		125	
50 PERCENT EXCEEDS	31		20		33	
90 PERCENT EXCEEDS	6.5		5.2		5.3	

a Also occurred on Aug. 10.



01209710 NORWALK RIVER AT WINNIPAUK, CT

LOCATION.--Lat 41°08'07", long 73°25'36", Fairfield County, Hydrologic Unit 01100007, on Perry Ave., 0.6 mi south of Winnipauk, and 0.3 mi upstream from confluence of Silvermine River.
DRAINAGE AREA.--33.0 mi^2.
PERIOD OF RECORD.--October 1980 to September 1999.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: August 1997 to September 1999.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 33.0°C June 28, 1999; minimum 0.0°C Dec. 22, 31, 1997, Jan. 1, 1998.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT													
23...	1535	4.4	352	7.9	15.0	11.5	.8	11.7	105	120	7k	100	27.7
NOV													
17...	1145	19	361	8.0	12.5	8.5	1.1	12.1	105	--	--	100	26.7
DEC													
11...	1150	17	346	8.1	3.5	5.0	1.1	--	--	84	7k	100	26.4
JAN													
31...	1120	85	346	7.9	8.5	2.0	4.9	13.6	101	--	--	85	21.8
FEB													
12...	1050	43	370	8.0	-4.0	1.0	1.2	16.0	110	5k	17k	96	25.2
MAR													
16...	1130	162	306	8.1	12.5	5.0	1.9	13.2	104	--	--	70	18.1
APR													
03...	1115	175	265	7.8	9.5	7.5	1.2	12.8	107	19k	29	68	17.8
27...	1200	47	320	9.0	22.0	13.5	.9	12.9	125	--	--	91	23.7
MAY													
03...	1145	25	344	8.9	33.5	20.0	1.9	13.3	146	200	30	96	25.3
29...	0945	41	342	8.1	22.5	15.0	--	9.8	99	--	--	--	--
JUN													
07...	1020	28	347	8.1	23.5	17.0	2.0	10.1	105	300	180k	96	24.9
JUL													
11...	0950	22	350	8.1	24.5	21.0	1.4	10.3	120	2100	1440k	110	28.0
AUG													
08...	1020	4.1	363	8.4	35.0	30.0	1.4	12.5	167	210	7k	100	27.0
SEP													
04...	1040	7.0	365	9.2	27.5	20.0	1.2	15.9	175	190	47	98	25.8

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
23...	8.66	27.0	4.41	.0	93	76	20.8	49.9	<.2	5.6	203	209	E.004
NOV													
17...	9.21	26.8	4.80	.0	88	72	18.3	52.3	E.1	9.0	210	--	E.003
DEC													
11...	8.41	30.0	3.48	.0	78	64	20.3	48.5	<.2	9.7	190	192	E.003
JAN													
31...	7.33	30.2	3.46	.0	66	54	14.9	58.6	<.2	8.4	189	--	.007
FEB													
12...	7.96	31.5	2.98	.0	63	52	17.2	62.2	<.2	8.6	202	206	E.004
MAR													
16...	6.14	26.9	2.77	.0	46	38	13.2	53.7	<.2	7.3	162	--	E.004
APR													
03...	5.75	21.2	2.52	.0	44	36	14.2	42.0	<.2	7.3	159	136	<.006
27...	7.64	24.5	2.95	5	67	63	15.4	47.7	<.2	1.9	176	--	.006
MAY													
03...	7.90	25.1	3.40	5	72	67	16.1	53.0	<.2	.4	198	192	.008
29...	--	--	--	.0	79	65	--	--	--	--	--	--	--
JUN													
07...	8.08	27.1	3.25	.0	79	65	15.0	53.8	<.2	8.7	201	228	.010
JUL													
11...	9.07	25.0	3.61	.0	92	75	14.8	49.4	<.2	5.2	207	210	E.003
AUG													
08...	7.86	26.9	3.65	2	66	58	18.9	59.4	<.2	5.6	192	190	.006
SEP													
04...	8.19	26.2	4.56	6	70	69	22.1	53.5	<.2	3.0	196	192	E.003

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

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

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT													
23...	.223	E.026	--	.29	.17	.51	.021	.012	<.018	2	.09	41.4	<.06
NOV													
17...	.244	<.041	--	.26	.27	.50	.043	.031	.024	--	--	--	--
DEC													
11...	.714	<.041	--	.18	.20	.90	.021	.015	<.018	5	.12	35.4	<.06
JAN													
31...	.683	.050	.31	.36	.29	1.0	.039	.014	E.011	--	--	--	--
FEB													
12...	.791	<.041	--	.16	.10	.96	.022	.009	<.018	8	.09	37.2	<.06
MAR													
16...	.763	<.041	--	.20	.16	.96	.023	.008	<.018	--	--	--	--
APR													
03...	.805	<.041	--	.32	.14	1.1	.028	.017	E.011	12	.07	35.8	<.06
27...	.143	<.041	--	.26	.16	.40	.023	.010	<.018	--	--	--	--
MAY													
03...	.153	<.041	--	.51	.35	.66	.033	.011	<.018	12	.10	45.5	<.06
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
07...	.540	E.029	--	.34	.25	.88	.090	.066	.046	9	.12	39.3	<.06
JUL													
11...	.396	<.040	--	.39	.29	.78	.095	.067	.050	11	.15	39.4	<.06
AUG													
08...	.298	E.021	--	.34	.23	.64	.071	.048	.035	8	.10	40.3	<.06
SEP													
04...	E.244	<.040	--	--	E.21	--	--	E.033	E.021	8	.13	39.6	<.06

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT													
23...	<.04	E.7	.19	1.7	80	.10	28.8	.9	.86	<1.0	5	.72	3.9
NOV													
17...	--	--	--	--	130	--	32.2	--	--	--	--	--	--
DEC													
11...	<.04	<.8	.15	1.6	100	.18	37.2	.8	.78	<1.0	7	.59	3.1
JAN													
31...	--	--	--	--	60	--	38.8	--	--	--	--	--	--
FEB													
12...	E.02	<.8	.14	1.4	90	.16	35.6	.6	.59	<1.0	8	.57	2.9
MAR													
16...	--	--	--	--	60	--	21.8	--	--	--	--	--	--
APR													
03...	<.04	<.8	.12	1.4	60	.18	18.3	.3	.52	<1.0	10	.30	3.0
27...	--	--	--	--	110	--	21.4	--	--	--	--	--	--
MAY													
03...	<.04	1.0	.17	1.5	110	.17	32.9	1.2	.43	<1.0	6	.62	--
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
07...	<.04	<.8	.16	1.8	150	.29	41.9	1.1	.81	<1.0	5	.49	5.0
JUL													
11...	.04	E.6	.18	2.5	80	.16	29.1	1.7	.73	<1.0	5	.74	4.5
AUG													
08...	<.04	<.8	.11	2.1	110	.17	26.2	.8	E.04	<1.0	2	.40	3.3
SEP													
04...	<.04	<.8	.14	1.9	110	.17	25.1	.8	.29	<1.0	2	.46	4.8

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

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

DATE	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	PROMETON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DISSOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)
OCT													
23...	2	.02	71	<.010	<.002	E.002	E.011	E.005	<.018	<.003	<.005	<.003	<.005
NOV													
17...	7	.16	64	<.010	<.002	<.011	E.008	<.006	<.018	<.003	<.005	<.003	<.005
DEC													
11...	7	.32	67	<.010	<.002	<.011	E.008	<.006	<.018	<.003	<.005	<.003	<.005
JAN													
31...	14	3.2	74	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.010	<.005
FEB													
12...	6	.70	50	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005
MAR													
16...	3	1.3	56	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005
APR													
03...	4	1.9	60	<.010	<.002	<.011	E.007	<.006	<.018	<.003	<.005	<.003	<.005
27...	3	.38	50	<.010	<.002	<.011	<.015	<.006	<.018	<.003	<.005	<.003	<.005
MAY													
03...	5	2.5	85	<.010	<.002	<.011	E.010	<.006	<.018	<.003	<.005	<.003	<.005
29...	6	.66	75	<.010	<.002	<.011	E.013	<.006	<.018	<.003	<.005	<.003	<.005
JUN													
07...	4	.30	85	<.010	<.002	<.011	.016	E.004	<.018	<.003	<.005	<.003	<.005
JUL													
11...	41	2.4	7	<.010	<.002	E.002	.037	<.006	<.018	<.003	<.005	<.003	<.005
AUG													
08...	11	13	62	<.010	<.002	<.011	.105	E.010	<.018	<.003	<.005	<.003	<.005
SEP													
04...	5	.09	73	<.010	<.002	<.011	.021	E.004	<.018	<.003	<.005	<.003	<.005

DATE	LINDANE DISSOLVED (UG/L) (39341)	DIELDRIN DISSOLVED (UG/L) (39381)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	MALATHION, DISSOLVED (UG/L) (39532)	PARATHION, DISSOLVED (UG/L) (39542)	DIAZINON, DISSOLVED (UG/L) (39572)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT													
23...	<.004	<.005	<.013	<.027	<.007	<.005	E.004	<.002	<.004	<.006	<.002	<.009	<.009
NOV													
17...	<.004	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
DEC													
11...	<.004	<.005	<.013	<.027	<.007	<.005	E.004	<.002	<.004	<.006	<.002	<.009	<.009
JAN													
31...	<.004	<.005	<.013	<.027	<.007	.009	<.007	<.002	<.004	<.006	<.002	<.009	<.009
FEB													
12...	<.004	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
MAR													
16...	<.004	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
APR													
03...	<.004	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
27...	<.004	<.005	<.013	<.027	<.007	<.005	<.007	<.002	<.004	<.006	<.002	<.009	<.009
MAY													
03...	<.004	<.005	<.013	<.027	<.007	<.005	E.005	<.002	<.004	<.006	<.002	<.009	<.009
29...	<.004	<.005	<.013	<.027	<.007	<.005	E.005	<.002	<.004	<.006	<.002	<.009	<.009
JUN													
07...	<.004	<.005	E.003	<.027	<.007	<.005	E.005	<.002	<.004	<.006	<.002	E.005	<.009
JUL													
11...	<.004	<.005	E.005	<.027	<.007	.010	E.007	<.002	<.004	<.006	<.002	<.009	<.009
AUG													
08...	<.004	<.005	E.002	<.027	<.007	E.002	.007	<.002	<.004	<.006	<.002	<.009	<.009
SEP													
04...	<.004	<.005	E.004	<.027	<.007	.007	E.005	<.002	<.004	<.006	<.002	<.009	<.009

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

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

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	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)
OCT													
23...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
NOV													
17...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
DEC													
11...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JAN													
31...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
FEB													
12...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
MAR													
16...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
APR													
03...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
27...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
MAY													
03...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
29...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JUN													
07...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
JUL													
11...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
AUG													
08...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004
SEP													
04...	<.011	<.034	<.035	<.006	<.002	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004

DATE	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	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)
OCT											
23...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
NOV											
17...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
DEC											
11...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JAN											
31...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	--	<.050	<.006
FEB											
12...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
MAR											
16...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
APR											
03...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
27...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
MAY											
03...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
29...	<.021	<.002	<.011	<.200	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JUN											
07...	<.021	<.002	<.011	E.005	<.005	<.003	<.010	<.007	<.023	<.050	<.006
JUL											
11...	<.021	<.002	<.011	E.266	<.005	<.003	<.010	<.007	<.023	<.050	<.006
AUG											
08...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
SEP											
04...	<.021	<.002	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006

01209761 FIVEMILE RIVER near NEW CANAAN, CT

LOCATION.--Lat 41°10'28", long 73°30'43", Fairfield County, Hydrologic Unit 01100006, on right bank, 40 ft downstream from paved driveway leading to private residence, near the cul-de-sac at the end of Indian Rock Road.
DRAINAGE AREA.--1.00 mi^2.
PERIOD OF RECORD.--May 1998 to current year.
GAGE.--Water-stage recorder. Telephone telemetry at station.
REMARKS.--Records poor. Flow regulated from New Canaan Reservoir by Second Taxing District Water Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40 ft^3/s, Mar. 30, gage height, 3.03 ft; minimum discharge, 0.05 ft^3/s, Sep. 10, gage height, 1.25 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	.26	e.25	.47	e.73	1.0	2.9	12	2.6	.99	.94	.23	.09
2	.26	e.25	.39	e.71	.97	2.7	9.4	2.4	7.2	.95	.23	.09
3	.25	e.25	.35	e.70	.87	2.6	8.0	2.1	4.6	.88	.23	.08
4	.25	e.25	.32	e.70	.77	2.6	6.8	1.9	2.3	.92	.23	.08
5	.25	e.25	e.31	.83	1.1	2.8	6.1	1.7	1.3	1.3	.23	.08
6	.30	e.24	e.31	e.78	1.8	2.8	6.1	1.5	.98	1.3	.22	.07
7	.28	e.24	.30	e.73	1.6	2.4	6.2	1.5	.88	1.0	.21	.07
8	.26	e.24	.30	.85	1.4	2.2	5.8	1.5	.87	1.3	.20	.07
9	e.24	e.24	.30	.84	1.4	2.4	6.9	1.5	.82	1.1	.19	.07
10	e.24	2.9	.29	e.76	2.2	2.5	14	1.3	.84	.92	.26	.07
11	e.23	1.6	.38	e.74	e1.5	2.6	8.3	1.1	.86	.91	.23	.07
12	e.22	.68	.61	e.71	e1.5	2.7	8.3	1.0	1.0	.87	.23	.07
13	e.21	.48	.75	e.70	e1.5	13	7.5	1.0	.98	.76	.30	.06
14	e.21	.55	1.1	e.69	1.6	9.4	6.2	.95	.93	.77	.29	.16
15	e.21	.73	.80	.81	1.9	6.0	5.5	.91	.87	.75	.22	.12
16	e.23	e.90	.81	.86	2.2	5.3	5.1	.94	.84	.75	.18	.09
17	.26	e.70	3.4	.86	2.9	7.4	5.2	.97	8.8	.80	.16	.09
18	.34	e.55	1.7	.83	e1.8	5.4	5.1	1.0	5.7	.76	.15	.07
19	.40	e.49	1.2	1.1	e1.6	3.8	4.1	1.1	2.0	.75	.13	.07
20	e.33	e.47	e1.1	1.2	1.9	3.1	4.0	.97	1.2	.74	1.1	.12
21	e.30	e.46	e1.0	.95	2.4	4.5	4.3	1.1	.99	.71	.20	.80
22	e.29	e.45	e.90	.84	e1.7	19	6.2	3.4	1.0	.71	.11	.14
23	e.28	e.44	e.85	e.74	e1.7	21	4.5	3.4	1.1	.69	.17	.11
24	e.27	e.44	e.80	e.71	e1.6	12	3.9	2.4	1.2	.71	.19	.10
25	e.26	e.44	e.78	.71	3.8	9.1	3.5	2.3	.99	.71	.11	.33
26	e.26	2.2	e.75	.71	8.7	8.4	3.2	3.1	.90	.75	.09	.14
27	e.26	1.1	e.73	.71	5.2	8.0	3.1	3.6	.85	.32	.10	.12
28	e.26	.55	e.72	.71	3.9	7.3	3.1	2.4	.81	.26	.11	.11
29	e.26	.44	e.71	.71	---	6.4	2.7	e1.4	.78	.23	.10	.11
30	e.26	.63	.82	1.3	---	27	2.7	1.5	.80	.23	.09	.11
31	e.26	---	.77	1.3	---	21	---	1.1	---	.22	.09	---
TOTAL	8.19	19.41	24.02	25.52	60.51	228.3	177.8	53.64	53.38	24.01	6.58	3.76
MEAN	.26	.65	.77	.82	2.16	7.36	5.93	1.73	1.78	.77	.21	.13
MAX	.40	2.9	3.4	1.3	8.7	27	14	3.6	8.8	1.3	1.1	.80
MIN	.21	.24	.29	.69	.77	2.2	2.7	.91	.78	.22	.09	.06
CFSM	.26	.65	.77	.82	2.16	7.36	5.93	1.73	1.78	.77	.21	.13
IN.	.30	.72	.89	.95	2.25	8.49	6.61	2.00	1.99	.89	.24	.14

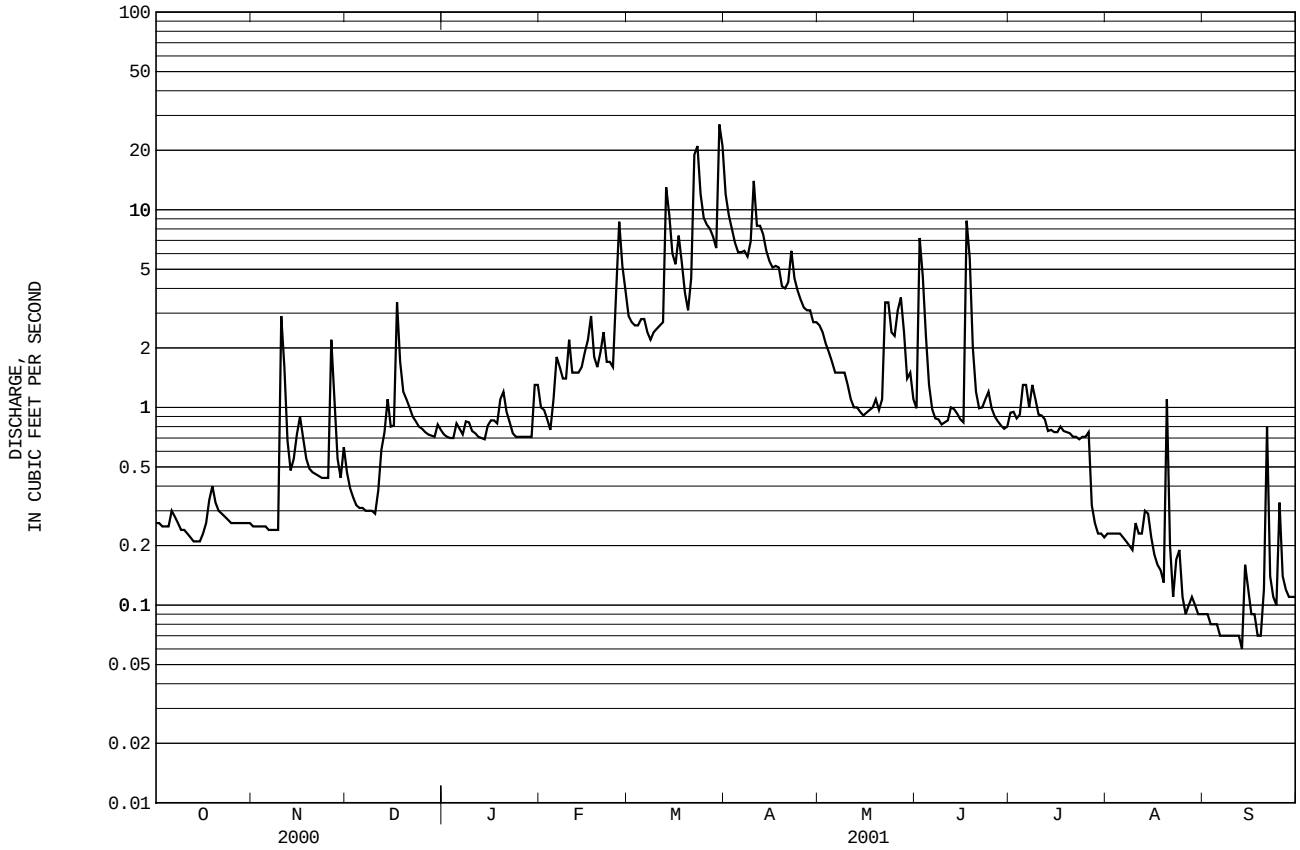
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	.73	.93	.99	1.31	2.47	4.67	3.67	2.25	1.38	.59	.45	.38
MAX	1.62	1.90	2.07	2.26	2.81	7.36	5.93	2.93	2.02	.77	1.06	.94
(WY)	2000	2000	2000	2000	2000	2001	2001	1999	2000	2001	2000	1999
MIN	.26	.26	.13	.82	2.16	2.71	2.48	1.73	.64	.49	.21	.13
(WY)	2001	1999	1999	2001	2001	2000	1999	2001	1999	2000	1998	2001

e Estimated.

01209761 FIVEMILE RIVER near NEW CANAAN, CT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	547.75		685.12			
ANNUAL MEAN	1.50		1.88		1.67	
HIGHEST ANNUAL MEAN					1.88	2001
LOWEST ANNUAL MEAN					1.31	1999
HIGHEST DAILY MEAN	18	Jun 7	27	Mar 30	27	Mar 30 2001
LOWEST DAILY MEAN	.14	Jul 8	.06	Sep 13	.00	Dec 20 1998
ANNUAL SEVEN-DAY MINIMUM	.17	Jul 6	.07	Sep 7	.07	Sep 7 2001
MAXIMUM PEAK FLOW			40	Mar 30	56	May 19 1999
MAXIMUM PEAK STAGE			3.03	Mar 30	3.28	May 19 1999
INSTANTANEOUS LOW FLOW			.05	Sep 10	.00	Nov 22 1998
ANNUAL RUNOFF (CFSM)	1.50		1.88		1.67	
ANNUAL RUNOFF (INCHES)	20.38		25.49		22.68	
10 PERCENT EXCEEDS	3.5		5.2		3.5	
50 PERCENT EXCEEDS	.84		.83		.75	
90 PERCENT EXCEEDS	.24		.15		.14	



DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2001

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAINAGE AREA (MI^2)	PREVIOUS MEASUREMENTS (WATER YEARS)	MEASUREMENTS DATE	MEASUREMENTS DISCHARGE (FT^3/S)
THAMES RIVER BASIN						
01119375 Willimantic River	Shetucket River	Lat 41°50’07”, long 72°18’38”, Tolland County, at bridge on State Highway 195, 0.7 mi upstream from Merrow, 0.8 mi downstream from Newcomb Brook, and 1.5 mi upstream from Winding Brook.	94.0	1974-92[a]	1/22/01	103
01119384 Willimantic River	Shetucket River	Lat 41°48’56”, long 72°19’01”, Tolland County, at UConn well field pumping station near Mansfield Depot.	98.0	1991-00	10/30/00 05/30/01	23.2 179
01120800 Natchaug River	Shetucket River	Lat 41°48’03”, long 72°07’07”, Windham County, at Bean Hill Road, 0.5 mi northeast of Chaplin.	67.9	1962-64 1994[a] 1998-00	10/16/00 11/14/00 03/20/01 07/09/01 08/09/01 09/11/01	25.9 35.7 246 43.5 7.51 5.52
01125499 Little River	Quinebaug River	Lat 41°54’43”, long 71°55’00”, Windham County, at U.S. Highway 44 at Putnam.	39.2	1962[a] 2000	10/12/00 08/09/01	9.32 7.39
01126111 Fivemile River	Quinebaug River	Lat 41°48’07”, long 71°53’15”, Windham County, at bridge on U.S. Route 6, at Danielson.	76.6	1991-99	07/19/01	52.3
01126113 Quinebaug River	Shetucket River	Lat 41°47’54”, long 71°53’15”, Windham County, 1,500 ft below Fivemile River, at Powerplant of Quinebaug Partnership at Danielson.	461	1991-00	07/19/01	242
01126510 Moosup River	Quinebaug River	Lat 41°43’14”, long 71°55’00”, Windham County, at Pickett Road, 0.6 mi west of Central Village.	88.2	1962[a] 2000	08/09/01 09/11/01	18.8 16.4
01126995 Pachaug River	Quinebaug River	Lat 41°36’31”, long 71°58’47', Windham County, at Ashland Street, at Jewett City	62.4		06/22/01 07/25/01 09/11/01	294 23.4 11.7
01127749 Oxoboxo Brook	Stony Brook	Lat 41°27’08’’, long 72°08’09’’, New London County, 300 ft below Rockland Pond, at the downstream side of the tunnel under Rand Whitney Corrugated Box Company at Montville.	9.50	1998-00	05/31/01 08/21/01	18.8 16.4
CONNECTICUT RIVER BASIN						
01187800 Nepaug River	Farmington River	Lat 41°49’14”, long 72°58’14”, Litchfield County, on left bank beside State Route 25, 0.25 mi upstream from Nepaug Reservoir, 1.75 mi southeast of Nepaug, and 2.4 mi west of Collinsville.	23.5	1918-55[b] 1958-72[b] 1999-00[b]	03/22/01 08/03/01 08/10/01	655 3.49 3.59
01187830 Phelps Brook	Nepaug River	Lat 41°47’59”, long 72°57’56”, Hartford County, upstream right bank of bridge on Mill Dam Road near Collinsville.	2.70	1999-00[b]	06/18/01 08/03/01 08/10/01	20.4 .352 .144
01187850 Clear Brook	Nepaug River	Lat 41°47’44”, long 72°57’06”, Hartford County, on right bank 200 ft upstream from Nepaug Reservoir beside Clear Brook Road, 1.8 mi southwest of Collinsville.	0.63	1917-73[b] 1999-00[b]	03/22/01 03/30/01 08/10/01	3.61 8.31 1.42

[a] Used as discharge for water quality.
[b] Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2001

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI^2)	PREVIOUS MEASURE-MENTS (WATER YEARS)	MEASUREMENTS DATE	MEASUREMENTS DISCHARGE (FT^3/S)
CONNECTICUT RIVER BASIN--Continued						
01189030 Pequabuck River	Farmington River	Lat 41°43’00”, long 72°50’25”, Hartford County, at bridge on Meadow Road at Farmington, 0.2 mi upstream from mouth.	57.2	1993-00[a]	10/03/00 12/13/00 02/27/01 04/24/01 06/18/01 07/05/01 09/18/01	40.4 40.9 123 112 714 105 26.6
01192050 Hockanum River	Connecticut River	Lat 41°51’57”, long 72°29’12”, Tolland County, at culvert on State Route 74, near Rockville.	25.5	1995-00[a]	12/07/00 02/07/01 04/25/01 06/20/01 07/23/01 08/20/01 09/17/01	14.0 10.3 53.2 57.7 11.9 12.6 9.90
01192704 Mattabesset River	Connecticut River	Lat. 41°36’29”, long 72°42’56”, Hartford county, at State Route 372, at East Berlin.	48.1	1995-98[b] 1999-00[a]	10/24/00 11/07/00 06/14/01 06/21/01	15.5 14.3 63.3 90.5
01194500 East Branch Eightmile River	Connecticut River	Lat. 41°25’40”, long 72°20’05”, New London County, on left bank at bridge on State Highway 156, 0.4 mi upstream from mouth, 1.1 mi north on North Lyme, 1.2 mi south of North Plain, and 5.5 mi upstream from mouth of Eightmile River.	22.3	1937-81[b]	08/28/01 09/05/01	5.28 2.84
QUINNIPIAC RIVER BASIN						
01196210 Honeypot Brook	Quinnipiac River	Lat 41°31’56”, long 72°53’25”, New Haven County, at bridge on Creamery Road, 1.3 mi upstream from Quinnipiac River at Cheshire.	2.06	1989-00	03/01/01 05/30/01 08/23/01	4.60 5.66 1.40
01196215 Honeypot Brook	Quinnipiac River	Lat 41°32’33”, long 72°52’40”, New Haven County, at culverts on South Central Connecticut Regional Water Authority dirt road, 0.2 mi above Quinnipiac River near Cheshire.	3.15	1989-00	01/17/01 05/30/01 08/23/01	3.08 7.27 1.74
01196222 Quinnipiac River	Long Island Sound	Lat 41°31’45”, long 72°51’50”, New Haven County, at bridge on Cheshire Street, 3 mi west of Meriden.	69.6	1974-00[a]	10/20/00 02/13/01 06/26/01 07/10/01 08/27/01 09/10/01	69.4 106 145 104 45.9 38.1
MILL RIVER BASIN						
01196590 Mill River	Long Island Sound	Lat 41°27’13”, long 72°54’02”, New Haven County, at culverts on Old Lane Road, until June 30, 1985, 200 ft upstream Old Lane Road, since July 1, 1985, 3.0 mi south of Cheshire.	5.90	1978-00	06/05/01	10.6
01196600 Willow Brook	Mill River	Lat 41°27’35”, long 72°55’06”, New Haven County, at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2.4 mi south of Cheshire.	9.34	1960-76[c] 1978-00	06/05/01	26.2

[a] Used as discharge for water quality.
[b] Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2001

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI^2)	PREVIOUS MEASURE-MENTS (WATER YEARS)	MEASUREMENTS DATE	MEASUREMENTS DISCHARGE (FT^3/S)
HOUSATONIC RIVER BASIN						
01198125 Housatonic River	Long Island Sound	Lat 42°04’29”, long 73°20’02”, Litchfield County, 3.4 mi above State Line, on Route 7 bridge.	465	1991-99[a]	07/02/01 08/14/01 09/19/01	485 239 101
01200600 Housatonic River	Long Island Sound	Lat 41°35’35”, long 73°27’00”, Litchfield County, at Boardmans Bridge, 2.3 mi northwest of New Milford.	1022	1993-00[a]	07/02/01 08/14/01	1,100 460
01201487 Still River	Housatonic River	Lat 41°27’58”, long 73°24’13”, Fairfield County, 800 ft upstream from Silvermine Road on State Route 7 Southbound bridge at Brookfield Center.	62.3	1993-00[a]	10/26/00 06/14/01 07/03/01 08/08/01	30.1 36.3 56.3 18.8
01203000 Shepaug River	Housatonic River	Lat 41°32’59”, long 73°19’49”, Litchfield County, at Wellers Bridge, 1.2 mi south-west of Roxbury.	132	1931-71[b] 1972-84[c] 1985-00[a]	05/16/01 08/27/01	52.2 18.5
01208013 Branch Brook	Naugatuck River	Lat 41°39’13”, long 73°05’43”, Litchfield County, on right bank 140 ft upstream from U.S. Route 6, and 1.7 mi southwest of Thomaston.	20.8	1975-89[b] 1990-00	11/15/00 02/07/01 03/16/01 05/11/01 06/14/01 09/14/01	20.5 14.1 44.8 4.24 9.48 1.66
01208049 Naugatuck River	Housatonic River	Lat 41°36’55”, long 73°03’30”, New Haven County, at bridge on Frost Bridge Road, 4.5 mi north of Waterbury near Waterville.	136	1980-00[a]	03/16/01 07/05/01 08/13/01	353 126 77.2
01208171 Naugatuck River	Housatonic River	Lat 41°33’26”, long 73°03’17”, New Haven County, at West Main Street, at Waterbury.	174	1983-00	03/16/01 08/21/01	503 43.5
01208736 Naugatuck River	Housatonic River	Lat 41°19’50”, long 73°04’47”, New Haven County, at bridge on Division Street, at Ansonia-Derby town line.	309	1974-99[a]	07/09/01 08/21/01 09/06/01	272 175 101
01208420 Hop Brook	Naugatuck River	Lat 41°30’21”, long 73°03’31”, New Haven County, on left bank 30 ft downstream from Porter Avenue bridge, 400 ft east of State Route 63, 0.8 mi downstream from Hop Brook Lake, 1.4 mi north of Naugatuck, and 0.6 mi upstream from mouth.	16.3	1970-89[b] 1990-00	02/28/01 05/25/01 08/22/01	38.3 74.0 3.25
NORWALK RIVER BASIN						
01209549 Ridgefield Brook	Norwalk River	Lat 41°18’52”, long 73°28’45”, Fairfield County, 400 ft upstream from State Route 35, at exit of Connecticut Department of Environmental Protection flood control structure at Ridgefield.	3.70	1993-95 1999-00	02/27/01 05/31/01	13.1 2.63
01209710 Norwalk River	Long Island Sound	Lat 41°08’07”, long 73°25’36”, Fairfield County, on Perry Ave., 0.6 mi south of Winnipauk, and 0.3 mi upstream from confluence of Silvermine River.	33.0	1981-00[a]	11/01/00 03/16/01 03/21/01 06/14/01 07/03/01	5.43 165 146 18.6 12.7

[a] Used as discharge for water quality.
[b] Operated as a continuous-record gaging station.
[c] Operated as a low-flow and crest-stage station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2001

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI^2)	PREVIOUS MEASURE-MENTS (WATER YEARS)	MEASUREMENTS DATE	MEASUREMENTS DISCHARGE (FT^3/S)
GREENWICH CREEK BASIN						
01211010 Brothers Brook	Mianus River	Lat. 41°03’26”, long 73°35’58”, Fairfield County, at Montgomery Pinetum Park near Cos Cob	1.39		10/25/00	.173
01211110 Unnamed Tributary	Greenwich Creek	Lat. 41°02’34”, long 73°36’59”, Fairfield County, on Old Church Road, near Cos Cob	2.19		10/25/00 02/22/01 03/13/01 03/22/01 03/31/01 04/19/01 05/09/01 05/18/01 06/04/01 06/11/01 09/07/01	.389 3.68 37.0 14.0 23.1 3.84 .977 .472 5.27 1.07 .314
HORSENECK BROOK BASIN						
01211140 Horseneck Brook	Long Island Sound	Lat. 41°06’50”, long 73°38’00”, Fairfield County, at Lower Cross Road near Stanwich.	0.52		10/25/00	.091
01211210 Horseneck Brook	Long Island Sound	Lat. 41°03’26”, long 73°35’58”, Fairfield County, at Valley Drive near Rock Ridge.	4.81		10/25/00	.877
BYRAM RIVER BASIN						
01211600 Byram River	Long Island Sound	Lat. 41°03’38”, long 73°40’41”, Fairfield County, at bridge on Sherwood Avenue, at Riversville.	11.7	1964-66	10/24/00	1.87
01211699 East Branch Byram River	Byram River	Lat. 41°05’58”, long 73°41’02”, Fairfield County, below Lake Mead, 200 ft upstream from John Street, at Round Hill	1.65		10/24/00 02/22/01 03/13/01 03/20/01 04/19/01 05/18/01 06/04/01 06/11/01 09/07/01 09/28/01	.393 3.83 13.8 4.64 3.50 .654 2.89 .839 .029 1.60
01212100 East Branch Byram River	Long Island Sound	Lat. 41°03’39”, long 73°40’31”, Fairfield County, at bridge on Riversville Road just downstream from Merritt Parkway, 0.2 mi upstream from mouth, at Riversville	7.4[d]	1961-62 1963-69[b] 1970-75 1977-78 1984	10/24/00	1.86

[a] Used as discharge for water quality.
[b] Operated as a continuous-record gaging station.
[d] Effective drainage area; does not include 3.7 mi^2 for which entire flow was diverted into Putnam Lake.

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SHETUCKET RIVER BASIN

011230695 SHETUCKET RIVER AT TAFTVILLE, CT

WATER-QUALITY RECORDS

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
MAR													
28...	1000	3.0	4.5	2520	1.6	86	13.4	99	6.6	7	.0	7	.63
APR													
25...	0850	10.5	10.5	1030	1.6	107	9.1	92	7.2	5	.0	5	.66
MAY													
11...	0950	18.5	20.0	5640	1.0	118	9.3	100	7.0	--	--	--	.74
23...	1340	8.5	15.0	720	3.3	125	8.5	88	7.1	17	.0	20	.81
JUN													
15...	0800	23.0	--	332	2.9	105	8.3	97	7.0	14	.0	14	.62
29...	0840	24.0	23.5	306	3.1	103	7.9	93	7.1	14	.0	17	.66
JUL													
13...	0730	21.0	26.0	107	1.1	116	8.0	90	7.2	15	.0	18	.59
27...	0810	22.0	20.0	25	2.8	130	6.7	77	6.4	15	.0	20	.57
AUG													
10...	0730	27.5	--	193	1.2	146	8.0	99	7.6	19	.0	23	.59
23...	0710	23.5	--	418	2.9	129	7.7	91	7.5	17	.0	20	.66
SEP													
14...	0815	20.0	--	33	1.6	137	7.0	77	6.8	20	.0	24	.55
26...	0750	18.5	--	34	2.1	140	8.4	89	6.9	26	.0	29	.72

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAR												
28...	E.033	<.006	.17	.28	.344	.019	.008	<.018	--	6	--	--
APR												
25...	E.033	E.005	.18	.35	.307	.038	.012	<.018	--	4	--	--
MAY												
11...	<.041	.008	.26	.41	.331	.035	.007	<.018	--	--	3.7	<.1
23...	.075	.012	.28	.41	.401	.045	.009	<.020	--	16	4.6	E.2
JUN												
15...	<.040	.006	.28	.33	.292	.047	.015	<.020	--	11	2.2	<.1
29...	<.040	E.005	.26	.40	.257	.048	.015	<.020	--	14	4.1	E.4
JUL												
13...	<.040	.006	.34	.35	.237	.035	.013	<.020	--	15	3.2	.4
27...	.053	E.005	.29	.42	.144	.035	.013	<.020	--	16	3.3	.4
AUG												
10...	E.032	E.003	.26	.44	.151	.024	<.006	<.020	4.5	19	7.1	.9
23...	E.025	E.005	.29	.52	.136	.044	.012	<.020	5.7	16	11.6	.9
SEP												
14...	.057	E.003	.27	.37	.181	.033	.012	<.020	4.5	20	1.8	.1
26...	<.040	<.006	.28	.40	.319	.032	.011	<.020	3.5	24	<.1	<.1

QUINEBAUG RIVER BASIN

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
OCT													
11...	1330	13.0	18.0	37	--	201	10.5	101	7.7	22	.0	24	1.1
NOV													
08...	1200	9.0	14.0	103	3.0	184	11.2	97	7.8	16	.0	18	.49
DEC													
12...	1450	2.0	1.0	75	1.6	201	13.2	97	7.2	12	.0	15	.70
JAN													
10...	1415	.5	3.0	123	1.8	191	13.7	96	7.0	23	.0	28	.86
FEB													
23...	1030	1.5	--	192	1.1	237	14.1	100	7.2	20	.0	24	--
MAR													
28...	1330	2.0	6.5	1310	2.0	149	14.2	102	6.9	6	.0	6	.62
APR													
23...	1300	16.0	25.5	292	2.5	176	9.7	99	7.2	9	.0	10	.66
MAY													
07...	1310	18.5	--	137	3.2	196	9.6	100	7.3	10	.0	12	.62
21...	1440	18.0	20.0	85	1.9	224	9.2	98	7.2	16	.0	17	.83
JUN													
11...	1200	21.0	--	108	3.6	172	8.3	93	6.5	11	.0	12	.65
25...	1150	24.0	28.0	248	4.2	152	8.2	98	6.6	12	.0	14	.70
JUL													
09...	1120	23.0	26.0	96	4.5	193	8.3	99	6.7	18	.0	22	.75
23...	1230	24.0	--	56	5.5	207	9.2	110	7.8	17	.0	22	.80
AUG													
06...	0940	26.0	--	33	4.1	228	8.0	98	7.3	21	.0	26	--
20...	1100	24.5	--	56	3.9	228	7.0	84	7.3	22	.0	25	.97
SEP													
10...	1050	23.5	--	26	10	226	8.0	94	7.2	19	.0	21	--
24...	1400	21.0	24.0	44	18	238	8.7	99	8.5	24	.0	27	--

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT													
11...	<.040	.015	.24	.91	.227	.073	.009	<.020	7.0	--	20	--	--
NOV													
08...	<.041	.034	.21	.34	.155	.024	.007	<.018	5.5	--	15	1.3	<.1
DEC													
12...	<.041	.040	.28	.40	.303	.033	.011	<.018	6.8	--	12	--	--
JAN													
10...	.182	.045	.38	.49	.369	.029	.015	E.010	5.3	--	23	--	--
FEB													
23...	<.041	<.006	<.10	.40	<.047	.015	<.006	<.018	--	--	19	--	--
MAR													
28...	.064	<.006	.21	.32	.302	.024	.007	<.018	--	--	5	--	--
APR													
23...	E.037	E.005	.24	.42	.243	.034	.009	<.018	--	E3	8	--	--
MAY													
07...	<.041	.022	.26	.47	.158	E.035	<.060	<.018	--	--	10	3.8	E.2
21...	.050	.016	.25	.44	.387	.046	.011	<.020	--	--	14	2.8	.2
JUN													
11...	E.027	.006	.21	.47	.177	.047	.011	<.020	--	--	10	4.3	E.1
25...	<.040	.012	.36	.51	.191	.060	.025	<.020	--	--	12	6.9	1.3
JUL													
09...	E.036	.015	.36	.50	.258	.056	.031	<.020	--	--	18	8.4	1.9
23...	<.040	<.006	.34	.73	.076	.055	.015	<.020	--	--	318	19.1	4.4
AUG													
06...	.042	<.006	.39	.62	E.041	.037	.009	<.020	6.3	--	21	5.2	.4
20...	.163	E.005	.48	.80	.176	.045	.012	<.020	6.3	--	20	8.8	1.8
SEP													
10...	<.040	<.006	.29	.79	E.030	.098	.012	<.020	10	--	17	19.1	E.2
24...	<.040	<.006	.29	.69	E.044	.095	.010	<.020	9.3	--	22	17.0	<.1

QUINEBAUG RIVER BASIN

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT--Continued

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

DATE	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT	
11...	--
NOV	
08...	--
DEC	
12...	--
JAN	
10...	--
FEB	
23...	--
MAR	
28...	--
APR	
23...	E5
MAY	
07...	--
21...	--
JUN	
11...	--
25...	--
JUL	
09...	--
23...	--
AUG	
06...	--
20...	--
SEP	
10...	--
24...	--

QUINEBAUG RIVER BASIN

01125499 LITTLE RIVER AT PUTNAM, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
OCT													
12...	1215	11.0	17.0	10	.6	141	10.7	96	7.3	29	.0	35	.97
NOV													
08...	1430	9.5	14.0	13	.8	145	10.0	89	7.4	--	--	--	.82
MAY													
08...	0815	13.5	13.0	210	1.7	127	9.9	94	6.9	21	.0	25	1.1
22...	1000	15.5	13.0	6.5	.6	139	8.7	88	7.2	--	--	--	1.2
JUN													
12...	0905	20.0	--	25	2.6	121	8.5	93	6.8	--	--	--	1.0
26...	0840	23.0	25.0	49	2.5	151	7.8	89	7.2	--	--	--	1.1
JUL													
09...	1230	23.0	26.0	26	4.0	128	8.6	102	6.6	--	--	--	.98
24...	0830	23.0	--	9.4	1.7	141	8.6	101	6.2	--	--	--	.82
AUG													
06...	1100	24.0	--	5.6	.9	152	8.9	107	7.2	--	--	--	.70
20...	1210	22.5	--	30	1.7	140	8.4	98	7.4	--	--	--	.73
SEP													
11...	0820	19.0	--	5.6	.7	152	8.0	86	7.3	--	--	--	.66
24...	0830	18.5	--	7.3	.6	157	7.9	85	6.8	--	--	--	.73

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT												
12...	<.040	<.006	.29	.50	.470	.027	.010	<.020	4.7	29	--	--
NOV												
08...	<.041	E.003	.19	.29	.528	.014	.008	<.018	--	--	--	--
MAY												
08...	E.037	.009	.30	.41	.686	<.060	<.060	<.018	--	20	2.1	<.1
22...	<.040	.009	.32	.43	.811	.047	.024	<.020	--	--	1.4	<.1
JUN												
12...	<.040	.006	.37	.69	.349	.054	.014	<.020	--	--	9.5	<.1
26...	<.040	.014	.44	.48	.583	.073	.045	.025	--	--	3.4	.8
JUL												
09...	E.025	.016	.41	.57	.419	.052	.014	<.020	--	--	20.9	6.3
24...	<.040	E.004	.26	.44	.377	.032	.011	<.020	--	--	11.5	3.6
AUG												
06...	E.026	<.006	.29	.33	.364	.024	.016	<.020	4.4	--	1.4	.3
20...	<.040	<.006	.38	.55	.181	.059	.033	E.016	7.4	--	3.2	.5
SEP												
11...	<.040	<.006	.30	.37	.285	.036	.021	<.020	6.0	--	.9	<.1
24...	E.028	<.006	.23	.36	.370	.021	.015	<.020	4.3	--	.3	<.1

QUINEBAUG RIVER BASIN

01126111 FIVEMILE RIVER AT DANIELSON, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY													
09...	1020	16.5	18.0	67	1.2	90	9.6	98	6.6	.52	<.041	E.005	.20
23...	0950	16.5	--	247	1.3	96	7.3	100	6.8	.57	E.037	E.003	.19
JUN													
13...	0840	20.0	--	134	2.2	82	8.1	89	6.2	.52	.060	E.004	.43
27...	0830	24.0	29.0	125	1.7	82	8.2	98	6.9	.57	E.027	.010	.26
JUL													
11...	0800	23.0	23.0	125	3.0	85	8.2	96	7.0	.57	E.032	<.006	.24
25...	0850	26.0	34.0	30	1.7	97	7.5	94	6.2	.46	E.021	E.003	.26
AUG													
08...	0730	27.0	--	14	1.0	108	7.4	93	7.4	.49	.043	<.006	.28
21...	1040	24.0	--	125	1.0	86	8.2	98	7.2	.52	E.035	<.006	.32
SEP													
12...	0945	22.5	--	14	.7	107	8.2	94	6.8	.37	E.024	E.003	.27
24...	1000	21.0	--	34	.9	107	8.6	97	7.6	.42	E.027	<.006	.20

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	.31	.207	.023	.007	<.018	--	1.6	<.1
23...	.31	.258	.030	E.006	<.020	--	2.0	<.01
JUN								
13...	.34	.180	.030	.008	<.020	--	2.4	<.1
27...	.39	.181	.032	.012	<.020	--	2.6	E.2
JUL								
11...	.38	.191	.031	.011	<.020	--	3.1	.5
25...	.37	.083	.024	.010	<.020	--	4.0	.7
AUG								
08...	.40	.093	.020	.007	<.020	4.0	1.7	.3
21...	.43	.087	.023	.009	<.020	6.4	3.0	.4
SEP								
12...	.30	.072	.015	.007	<.020	4.7	.3	<.1
24...	.30	.126	.016	.007	<.020	3.6	.4	<.1

QUINEBAUG RIVER BASIN

01126113 QUINEBAUG RIVER AT DANIELSON, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY													
09...	1200	17.5	22.0	350	1.0	187	9.1	100	6.9	.79	E.024	.010	.28
23...	1200	16.0	14.0	368	4.2	198	8.2	84	7.0	1.2	.102	.010	.37
JUN													
13...	1030	21.0	--	485	.7	175	8.4	94	7.0	.83	.041	.007	.32
27...	1020	25.0	29.5	669	2.7	175	7.4	89	6.5	.95	E.031	.015	.34
JUL													
11...	0950	23.0	24.0	464	3.0	175	6.9	82	7.3	.83	<.040	E.005	.33
25...	1040	27.0	32.0	80	4.2	195	8.5	109	7.2	.73	<.040	.006	.31
AUG													
08...	0940	28.0	--	80	2.1	226	7.8	100	7.3	.67	E.033	.008	.33
21...	1210	25.0	--	350	.7	209	8.1	99	7.4	.80	E.037	<.006	.33
SEP													
12...	1100	23.0	--	80	7.1	241	9.4	109	8.5	--	<.040	<.006	.33
24...	1110	21.5	--	218	7.1	231	8.9	101	7.8	1.1	<.040	E.003	.31

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	.43	.359	.041	.010	<.018	--	4.0	E.2
23...	.62	.574	.070	.017	<.020	--	3.4	.3
JUN								
13...	.45	.383	.062	.019	<.020	--	3.6	E.2
27...	.48	.468	.064	.035	E.017	--	<.1	<.1
JUL								
11...	.46	.369	.052	.022	<.020	--	5.5	1.1
25...	.64	.096	.043	.012	<.020	--	19.7	8.4
AUG								
08...	.43	.239	.044	.018	<.020	5.1	5.4	1.1
21...	.46	.345	.042	.018	<.020	6.1	3.6	.6
SEP								
12...	.81	E.028	.082	.011	<.020	7.9	17.5	3.9
24...	.71	.350	.068	.010	<.020	6.5	11.7	E.3

QUINEBAUG RIVER BASIN

01126510 MOOSUP RIVER NEAR CENTRAL VILLAGE, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY													
10...	0950	16.5	23.0	89	.8	95	10.1	100	6.9	.56	<.041	E.003	.19
24...	0930	14.5	17.0	201	4.2	84	9.2	110	6.8	.70	<.040	E.004	.33
JUN													
14...	0830	19.5	--	166	1.7	82	8.9	98	6.5	.45	E.040	E.004	.34
28...	0820	22.0	28.5	120	1.8	88	8.6	99	6.6	.54	<.040	E.003	.29
JUL													
12...	0830	19.0	22.0	89	1.1	92	9.2	97	7.0	.53	<.040	E.004	.24
26...	0800	23.0	--	32	1.1	100	7.8	91	6.2	.58	<.040	E.003	.20
AUG													
09...	0820	24.0	31.5	20	.6	106	8.1	98	7.3	.52	E.040	E.003	.20
22...	0800	21.0	--	87	.6	95	8.4	94	7.2	.49	<.040	<.006	.31
SEP													
13...	0830	17.0	--	17	.4	106	9.3	96	6.9	.53	<.040	E.004	.19
25...	0940	20.0	--	24	.6	102	8.6	96	6.8	.51	<.040	<.006	.21

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
10...	.28	.281	.019	.006	<.018	--	2.5	<.1
24...	.45	.257	.050	.015	<.020	--	1.2	<.1
JUN								
14...	.30	.146	.037	.016	E.014	--	.5	<.1
28...	.29	.243	.030	.017	<.020	--	.6	<.1
JUL								
12...	.26	.275	.021	.013	<.020	--	.7	<.1
26...	.29	.291	.014	.010	<.020	--	1.2	<.1
AUG								
09...	.20	.313	.009	.006	<.020	3.2	.2	<.1
22...	.30	.189	.020	.010	E.016	5.7	.4	<.1
SEP								
13...	.26	.266	.005	E.003	<.020	3.6	.3	<.1
25...	.25	.257	.015	E.005	<.020	3.8	.2	<.1

QUINEBAUG RIVER BASIN

01126720 QUINEBAUG RIVER NEAR PACKER, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT													
13...	1115	11.5	20.0	--	185	9.7	88	7.1	25	.0	31	1.0	E.038
NOV													
09...	1215	8.5	15.0	1.4	172	11.7	100	7.6	12	.0	13	.94	E.033
MAY													
10...	1250	18.0	26.0	.7	165	8.3	100	7.1	17	.0	21	.97	.049
24...	1420	15.0	17.0	9.2	154	8.8	87	6.9	16	.0	20	1.2	.154
JUN													
14...	1000	21.0	--	4.1	139	8.9	100	6.4	5	.0	3	.78	E.029
28...	1000	24.0	28.0	1.7	152	6.8	81	6.5	13	.0	17	.90	<.040
JUL													
12...	1010	22.0	23.0	1.6	169	6.8	78	6.0	18	.0	22	.88	<.040
26...	1020	26.0	--	4.3	186	7.8	96	6.2	18	.0	24	.84	<.040
AUG													
09...	1215	28.0	--	2.1	217	6.8	87	8.0	30	.0	35	.82	E.032
22...	1015	24.0	--	.7	176	6.9	82	7.3	20	.0	22	.87	E.030
SEP													
13...	0940	22.0	--	8.5	212	10.7	122	7.7	30	.0	35	1.6	<.040
25...	1000	21.5	--	12	196	7.9	91	7.3	24	.0	28	2.0	.055

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT											
13...	.010	.28	.48	.528	.056	.018	<.018	4.6	25	--	--
NOV											
09...	.013	.30	.40	.537	.044	.030	E.014	5.3	11	--	--
MAY											
10...	.012	.31	.50	.469	.042	.017	<.018	--	17	4.9	E.3
24...	.017	.53	.71	.472	.093	.036	E.010	--	16	5.8	.3
JUN											
14...	E.005	.31	.39	.384	.065	.025	E.012	--	3	.3	E.2
28...	.007	.35	.43	.468	.071	.044	.021	--	14	2.3	E.2
JUL											
12...	.009	.28	.41	.467	.053	.026	<.020	--	18	42.2	11.4
26...	.007	.25	.59	.243	.049	.013	<.020	--	20	21.6	7.4
AUG											
09...	.007	.30	.44	.375	.050	.019	<.020	5.0	29	6.3	1.2
22...	.006	.35	.50	.374	.060	.035	E.013	6.0	18	2.1	.4
SEP											
13...	.010	.29	1.3	.305	.123	.016	<.020	10	29	14.3	1.5
25...	E.005	.36	1.6	.422	.173	.026	E.009	7.3	23	12.5	1.1

QUINEBAUG RIVER BASIN

01126995 PACHAUG RIVER AT JEWETT CITY, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV													
09...	1250	10.0	15.0	--	--	76	11.6	103	7.1	--	--	--	--
MAY													
11...	1045	20.0	32.0	25	1.5	75	9.4	102	6.9	.41	<.041	E.004	.26
25...	0920	16.5	14.0	174	2.1	83	9.6	98	6.8	.57	.042	E.003	.31
JUN													
14...	1130	23.0	--	570	2.0	68	8.5	99	6.4	.52	E.030	E.004	.33
28...	1120	26.5	31.0	1.9	1.7	67	7.9	98	6.2	.57	.070	E.004	.47
JUL													
12...	1200	26.0	23.0	45	2.8	73	7.8	93	6.4	.63	.078	.010	.42
26...	1200	27.0	--	25	2.4	73	6.9	87	6.3	.53	<.040	E.004	.33
AUG													
09...	1330	29.0	--	16	2.1	78	7.6	99	7.3	--	.043	<.006	.38
22...	1130	25.5	--	104	2.6	75	7.7	93	7.2	.49	<.040	<.006	.34
SEP													
13...	1110	23.5	--	10	1.2	82	8.9	105	6.9	--	E.032	E.003	.35
26...	0945	21.0	--	44	1.3	83	8.2	92	7.3	--	<.040	<.006	.34

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
NOV								
09...	--	--	--	--	--	7.4	--	--
MAY								
11...	.26	.148	.006	E.004	<.018	--	4.8	E.2
25...	.40	.177	.025	.008	<.020	--	3.3	E.1
JUN								
14...	.36	.162	.029	.010	<.020	--	2.1	<.1
28...	.45	.118	.034	.018	<.020	--	1.8	<.1
JUL								
12...	.44	.185	.031	.018	<.020	--	--	--
26...	.44	.093	.034	.011	<.020	--	12.1	2.1
AUG								
09...	.44	E.033	.023	.012	<.020	8.2	6.5	1.0
22...	.44	.052	.040	.011	<.020	7.6	4.0	.2
SEP								
13...	.46	E.043	.030	.018	<.020	7.4	.8	<.1
26...	.46	E.043	.021	.010	<.020	6.1	2.0	<.1

CONNECTICUT RIVER BASIN

01187800 NEPAUG RIVER NEAR NEPAUG, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT													
27...	1325	10.5	13.0	9.3	1.0	98	9.7	89	7.2	17	.0	20	--
NOV													
21...	1500	3.0	3.0	17	1.1	93	12.3	93	6.9	13	.0	14	59
DEC													
15...	1540	.5	-1.0	19	1.1	140	13.5	93	6.8	13	.0	15	--
JAN													
11...	1010	.0	-6.0	21	.9	97	13.8	95	6.8	29	.0	32	--
FEB													
21...	0910	.5	1.0	27	.9	123	13.5	91	7.1	23	.0	25	--
MAR													
30...	1630	.5	--	671	15	61	13.9	99	6.5	3	.0	3	74
APR													
26...	0930	9.0	11.0	40	.8	82	11.0	100	7.0	9	.0	10	--
MAY													
31...	0630	11.0	9.0	13	1.1	85	10.0	91	6.8	11	.0	12	--
JUN													
18...	0915	17.5	--	191	5.6	61	8.4	88	6.3	10	.0	12	--
JUL													
16...	0900	16.0	21.0	9.3	1.3	105	8.7	89	5.8	13	.0	16	--
AUG													
14...	0800	19.0	--	16	3.3	141	7.7	85	7.1	12	.0	12	--
SEP													
19...	0810	13.0	--	2.4	.9	119	9.1	87	6.8	17	.0	20	--

DATE	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
27...	.30	<.041	<.006	.14	.22	.074	.013	.006	<.018	3.8	6.22	2.24	8.7
NOV													
21...	.30	<.040	<.006	.22	.17	.127	.010	.006	<.020	4.2	5.43	1.97	7.4
DEC													
15...	.16	<.041	<.006	<.10	.11	.053	.010	E.003	<.018	3.0	5.50	2.06	14.2
JAN													
11...	.40	E.021	<.006	.12	.15	.253	.004	.006	<.018	2.6	5.17	1.89	7.9
FEB													
21...	.38	E.024	.006	E.10	.13	.254	.010	E.005	<.018	1.7	5.67	2.04	11.8
MAR													
30...	.78	E.034	<.006	.15	.57	.215	.131	.018	E.012	7.9	2.38	.893	5.5
APR													
26...	.25	<.041	<.006	E.09	.15	.096	.012	E.005	<.018	2.9	4.55	1.58	8.2
MAY													
31...	.35	<.040	<.006	.17	.25	.102	.016	.011	<.020	3.6	4.57	1.63	7.8
JUN													
18...	.59	<.040	<.006	.36	.53	.062	.060	.020	<.020	8.9	3.58	1.31	5.6
JUL													
16...	.34	<.040	<.006	.12	.17	.168	.018	.007	<.020	2.8	5.85	2.08	9.7
AUG													
14...	.79	E.030	.006	.36	.47	.316	.066	.023	E.012	6.8	6.30	2.18	13.6
SEP													
19...	.34	<.040	E.003	.14	.20	.141	.012	E.005	<.020	2.8	6.75	2.38	9.8

CONNECTICUT RIVER BASIN

01187800 NEPAUG RIVER NEAR NEPAUG, CT--Continued

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

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT											
27...	1.31	12.2	6.0	<.2	11.2	110	9.4	13k	16	67	10k
NOV											
21...	1.26	10.3	6.4	<.2	10.3	160	23.7	14k	12	59	9k
DEC											
15...	.99	24.1	7.0	<.2	10.2	80	26.6	--	12	81	--
JAN											
11...	.99	12.6	7.4	<.2	10.6	110	30.6	7k	26	59	58
FEB											
21...	1.02	19.9	7.7	<.2	10.0	100	30.4	--	21	74	--
MAR											
30...	.86	8.7	4.4	<.2	4.2	80	38.0	560k	3	34	624k
APR											
26...	.85	12.3	6.9	<.2	7.1	100	28.8	13k	8	72	5k
MAY											
31...	.71	11.3	6.1	<.2	8.3	180	27.2	100	10	71	80k
JUN											
18...	.83	7.2	4.3	<.2	6.8	250	24.3	1100k	10	54	868k
JUL											
16...	1.01	14.1	5.7	<.2	9.9	200	13.9	80	13	63	136k
AUG											
14...	2.56	22.6	9.1	<.2	8.1	200	33.5	>60	10	81	580k
SEP											
19...	1.42	13.9	7.1	<.2	10.1	140	17.2	10	16	61	37

CONNECTICUT RIVER BASIN

01187830 PHELPS BROOK AT MILL DAM ROAD NEAR COLLINSVILLE

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT													
27...	0945	11.0	13.0	2.0	1.6	80	9.6	88	6.7	7	.0	8	--
NOV													
10...	1315	--	--	4.0	6.3	72	--	--	--	--	--	--	--
11...	0315	--	--	11	13	62	--	--	--	--	--	--	--
11...	1315	--	--	20	6.3	72	--	--	--	--	--	--	--
11...	1500	--	--	20	--	--	--	--	--	--	--	--	--
21...	1050	2.5	2.0	3.4	2.9	75	12.2	92	6.4	5	.0	5	61
DEC													
15...	1020	.5	-2.0	3.3	1.3	96	13.3	92	6.1	6	.0	6	--
JAN													
11...	1240	.5	2.0	3.3	1.2	88	12.9	92	6.6	16	.0	16	--
FEB													
21...	1120	1.5	.00	3.9	1.2	113	12.8	96	6.6	12	.0	13	--
MAR													
30...	1400	1.0	2.0	56	3.6	63	13.9	91	6.4	3	.0	3	50
APR													
26...	1010	13.0	13.5	6.9	2.0	76	10.2	98	6.7	6	.0	7	--
MAY													
31...	0910	12.5	12.0	5.5	1.2	61	9.5	100	6.1	4	.0	5	--
JUN													
18...	1230	23.0	--	21	4.5	47	7.6	88	5.7	4	.0	4	--
JUL													
16...	1115	20.0	25.0	2.0	2.2	76	8.2	92	5.7	7	.0	9	--
AUG													
14...	1200	23.0	--	2.4	2.9	104	7.6	90	6.8	6	.0	7	--
SEP													
19...	1020	14.5	--	.57	1.0	89	9.4	94	6.8	8	.0	8	--

DATE	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
27...	--	<.041	<.006	.37	.44	E.033	.020	.012	<.018	7.5	3.35	1.60	8.3
NOV													
10...	.83	E.029	E.004	.27	.73	.105	.043	.013	<.018	--	--	--	--
11...	.71	E.040	E.004	.30	.60	.112	.068	.011	<.018	--	--	--	--
11...	.68	.049	E.004	.32	.44	.237	.027	.013	<.018	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	9.7	--	--	--
21...	.48	.076	<.006	.43	.42	.058	.021	.012	<.018	8.9	3.32	1.44	6.7
DEC													
15...	.52	.084	<.006	.28	.35	.169	.019	.009	<.018	5.6	3.85	1.80	9.0
JAN													
11...	.57	.110	E.003	.27	.35	.223	.012	.008	<.018	4.0	3.58	1.60	7.5
FEB													
21...	.51	.071	.006	.19	.24	.262	.014	.007	<.018	3.4	3.80	1.64	11.7
MAR													
30...	.62	E.040	<.006	.17	.31	.311	.026	.006	<.018	5.3	2.16	.933	5.8
APR													
26...	.40	<.041	<.006	.19	.33	.072	.021	.010	<.018	5.5	3.11	1.30	7.7
MAY													
31...	.45	E.035	<.006	.32	.39	.060	.029	.015	<.020	8.3	2.53	1.08	5.9
JUN													
18...	--	E.034	E.004	.52	.74	E.044	.053	.021	<.020	13	2.18	.884	4.6
JUL													
16...	.39	<.040	E.004	.33	.31	.082	.035	.018	<.020	7.3	3.12	1.36	7.8
AUG													
14...	.58	E.032	<.006	.41	.52	.066	.044	.011	<.020	8.3	4.90	1.87	9.3
SEP													
19...	--	<.040	<.006	.32	.39	E.028	.019	.009	<.020	5.8	3.84	1.73	8.2

CONNECTICUT RIVER BASIN

01187830 PHELPS BROOK AT MILL DAM ROAD NEAR COLLINSVILLE--Continued

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

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT											
27...	1.70	12.5	4.2	<.2	6.9	510	16.9	6k	7	60	11k
NOV											
10...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
21...	1.79	10.1	5.5	<.2	9.3	410	67.6	1k	4	57	6k
DEC											
15...	1.35	14.8	7.0	<.2	10.8	330	141	--	5	65	--
JAN											
11...	1.20	12.5	7.3	<.2	10.9	360	138	<1k	13	56	6k
FEB											
21...	1.13	19.3	8.0	<.2	10.0	200	109	--	10	71	--
MAR											
30...	.88	9.5	5.3	<.2	5.3	100	72.0	14k	2	41	77
APR											
26...	1.03	11.9	6.3	<.2	4.0	230	66.2	--	6	57	--
MAY											
31...	.77	8.2	5.1	<.2	6.2	310	60.0	12k	4	63	4k
JUN											
18...	.94	6.4	3.5	<.2	5.8	420	97.4	780k	4	53	142k
JUL											
16...	1.03	11.7	4.2	<.2	5.2	590	36.0	24k	7	52	24k
AUG											
14...	1.64	14.6	11.5	<.2	4.0	310	57.2	>60	6	62	658k
SEP											
19...	1.66	13.6	6.4	<.2	3.4	230	20.9	15k	7	50	39

CONNECTICUT RIVER BASIN

01187850 CLEAR BROOK NEAR COLLINSVILLE, CT

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

DATE	TIME	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT													
27...	1205	9.5	13.0	1.2	.8	45	10.8	96	7.0	8	.0	8	--
NOV													
10-11	0040	--	--	1.2	--	--	--	--	--	--	--	--	--
NOV													
10-10	0530	--	--	1.8	--	--	--	--	--	--	--	--	--
NOV													
10-10	0630	--	--	3.8	--	--	--	--	--	--	--	--	--
NOV													
10-10	0930	--	--	4.7	--	--	--	--	--	--	--	--	--
10...	1230	--	--	1.9	--	--	--	--	--	--	--	--	--
21...	1330	5.0	3.0	1.2	.6	46	11.9	95	6.9	4	.0	5	--
DEC													
15...	1310	3.0	-2.0	1.0	.4	46	13.0	96	7.1	9	.0	10	--
JAN													
11...	1430	3.0	3.0	1.0	.5	48	13.1	98	7.1	15	.0	16	--
FEB													
21...	1340	3.5	-0.5	1.2	.7	76	12.8	98	7.0	16	.0	18	--
MAR													
30...	0920	3.0	1.0	6.9	12	34	13.3	99	6.0	7	.0	6	112
APR													
26...	1300	9.5	15.0	2.3	.4	49	11.4	100	7.0	6	.0	6	--
MAY													
31...	1040	9.0	12.0	2.7	.3	47	11.4	100	6.1	5	.0	5	--
JUN													
18...	1420	13.5	--	2.5	.5	45	10.5	102	5.8	6	.0	7	--
JUL													
16...	1250	13.0	26.0	1.8	.3	47	10.3	130	5.8	6	.0	8	--
AUG													
14...	1330	15.0	--	1.6	.5	47	10.4	105	7.0	10	.0	11	--
SEP													
19...	1310	12.5	--	1.6	.3	49	10.7	98	6.8	9	.0	9	--

DATE	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
27...	--	<.041	<.006	<.10	.08	E.041	<.004	E.003	<.018	1.5	2.82	1.06	3.5
NOV													
10-11	.67	<.041	<.006	.15	.61	.052	.063	.015	<.018	--	--	--	--
NOV													
10-10	.46	<.041	<.006	.10	.37	.096	.061	.016	E.011	--	--	--	--
NOV													
10-10	1.5	<.041	<.006	.19	1.4	.091	.295	.019	<.018	--	--	--	--
NOV													
10-10	.64	<.041	E.003	.27	.57	.078	.086	.018	E.011	--	--	--	--
10...	.35	<.041	E.003	.23	.31	.047	.025	.010	<.018	11	--	--	--
21...	--	<.041	<.006	E.08	E.05	.048	.004	E.003	<.018	1.6	--	--	--
DEC													
15...	--	<.041	<.006	<.10	E.04	.078	.006	E.003	<.018	1.8	2.55	1.01	3.1
JAN													
11...	--	<.041	<.006	E.06	E.04	.084	.005	E.005	<.018	1.5	2.67	1.06	3.2
FEB													
21...	--	<.041	E.004	<.10	<.08	.076	.005	E.003	<.018	1.0	2.58	.979	3.2
MAR													
30...	.94	<.041	<.006	E.08	.84	.101	.081	.007	<.018	11	1.72	.702	2.5
APR													
26...	--	<.041	<.006	<.10	E.07	E.043	.006	E.003	<.018	1.5	2.61	1.01	3.9
MAY													
31...	--	<.040	<.006	<.10	.11	E.037	.009	E.005	<.020	1.5	2.37	.959	3.7
JUN													
18...	--	<.040	<.006	E.05	E.06	.048	.011	E.006	<.020	2.2	2.24	.934	3.8
JUL													
16...	.15	<.040	<.006	<.10	.10	.050	.009	E.004	<.020	1.4	2.47	.971	3.7
AUG													
14...	--	<.040	<.006	<.10	.11	E.043	.010	<.006	<.020	2.1	2.64	1.01	3.6
SEP													
19...	.13	<.040	<.006	E.06	.09	.048	.006	<.006	<.020	2.3	2.62	1.03	3.3

CONNECTICUT RIVER BASIN

01187850 CLEAR BROOK NEAR COLLINSVILLE, CT--Continued

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

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	ENTERO-COCCI, MEI MF, WATER (COL/ 100 ML) (90909)
OCT											
27...	.77	3.5	5.0	E.1	12.1	20	E1.9	3k	7	37	13k
NOV											
10-11	--	--	--	--	--	--	--	--	--	--	--
NOV											
10-10	--	--	--	--	--	--	--	--	--	--	--
NOV											
10-10	--	--	--	--	--	--	--	--	--	--	--
NOV											
10-10	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	5k	4	--	3k
DEC											
15...	.67	3.6	5.2	<.2	11.5	<10	<3.2	--	8	34	--
JAN											
11...	.79	4.4	5.2	<.2	11.0	M	<3.2	<1k	13	35	--
FEB											
21...	.76	4.0	5.4	<.2	11.0	10	<3.2	--	14	36	--
MAR											
30...	.63	3.4	3.9	<.2	5.8	50	5.8	70k	5	26	38
APR											
26...	.65	5.6	5.6	<.2	10.4	M	E1.9	--	5	50	--
MAY											
31...	.57	4.6	5.7	<.2	10.5	M	E1.7	9k	4	52	4k
JUN											
18...	.62	4.3	5.3	<.2	11.3	20	E3.1	70k	6	39	24k
JUL											
16...	.65	3.9	5.9	<.2	11.6	20	<3.0	7k	7	35	9k
AUG											
14...	.80	3.8	5.4	<.2	11.9	30	E1.8	46k	9	34	109k
SEP											
19...	.83	3.9	4.7	<.2	12.0	20	<3.0	7k	8	34	21

GREENWICH CREEK BASIN

01211010 BROTHERS BROOK AT MONTGOMERY PINETUM NEAR COS COB, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 25...	01211010	BROTHERS BR AT MONTGOMERY	41 03 26 N	073 35 57 W	20001025	1520	80020	1028	65

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 25...	.17	1.4	70	770	7.5	68	7.1	7.0	208	18.0	12.0	60	16.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 25...	4.82	4.05	.7	12.8	30	65	65	79	.0	25.7	<.2	10.7	8.9

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 25...	.17	.06	127	122	<.041	.52	.53	<.047	<.006	.015	<.018	.026	10

DATE	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT 25...	11K	16K	15	.08	74.1	E.03	<.04	.8	.14	.9	100	.12	26.5

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)
OCT 25...	E.2	1.04	<1.0	2	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020

DATE	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
OCT 25...	<.005	<.018	<.003	<.006	111	<.005	<.005	<.021	<.002	<.009	<.005	<.003	113

GREENWICH CREEK BASIN

01211010 BROTHERS BROOK AT MONTGOMERY PINETUM NEAR COS COB, CT--Continued

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

DATE	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
OCT 25...	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010

DATE	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 25...	<.006	<.011	E.011	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002

DATE	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)
OCT 25...	<.009	<.03	<.04	<.04	<.1	<.03	<.03	<.03	82	<.05	<.03	<.04	<.10

DATE	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)
OCT 25...	<.09	<.03	<.2	<.02	<.04	<.05	<.1	<.1	125	<.2	<.05	<.1	<.03

DATE	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT 25...	<.03	E.1	<.2	<.06	<.04	<.04	<.1	97	<.05	<.04	<.09	<.1	.32

DATE	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SET NUMBER SCHED-ULE 2090 (NO.) (99827)
OCT 25...	900	3.03	4.03	5.03

GREENWICH CREEK BASIN

01211110 UNNAMED TRIBUTARY TO GREENWICH CREEK NR COS COB, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 25...	01211110	UNNAMED TRIBUTARY TO GREEN	41 02 33 N	073 36 59 W	20001025	1300	80020	1028	65

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 25...	.38	2.19	70	770	8.6	94	7.3	7.3	280	20.0	12.0	26	90

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 25...	23.2	7.86	5.19	.6	13.7	24	65	65	79	.0	29.1	E.1	6.0

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT 25...	20.8	.21	.16	152	147	<.041	.34	.46	.76	.421	<.006	.88	.055

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 25...	.026	.018	.059	5.2	132	110	2	.10	80.2	<.06	<.04	<.8	.11

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT 25...	1.7	50	.09	22.8	.2	.89	<1.0	1	<.002	<.004	<.002	<.005	<.007

DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 25...	<.010	<.002	E.009	<.020	<.005	<.018	<.003	<.006	110	<.008	<.005	<.021	<.002

GREENWICH CREEK BASIN

01211110 UNNAMED TRIBUTARY TO GREENWICH CREEK NR COS COB, CT--Continued

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

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
OCT 25...	<.009	<.005	<.003	115	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
OCT 25...	<.003	<.007	<.002	<.010	<.006	<.011	.017	<.004	<.010	<.011	<.023	E.003	<.016

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)
OCT 25...	<.034	<.017	<.005	<.002	M	<.03	<.04	<.04	<.1	<.03	<.03	<.03	86

DATE	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)
OCT 25...	<.05	<.03	<.04	<.10	<.09	<.03	<.2	.15	<.04	<.05	<.1	<.1	117

DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)
OCT 25...	<.2	<.05	<.1	<.03	<.03	E.1	<.2	<.06	<.04	<.04	<.1	98	E.01

DATE	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SET NUMBER SCHED-ULE 2090 (NO.) (99827)
OCT 25...	<.04	<.09	<.1	.07	787	3.03	4.03	5.03

HORSENECK BROOK BASIN

01211140 HORSENECK BROOK NEAR STANWICH, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 25...	01211140	HORSENECK BROOK NEAR STANW	41 06 50 N	073 37 59 W	20001025	0815	80020	1028	410

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 25...	.09	.52	70	760	8.2	74	7.4	7.3	278	10.5	19	110	28.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 25...	9.25	3.75	.5	11.1	18	89	89	109	.0	20.4	E.1	15.2	16.7

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 25...	.22	.04	161	159	<.041	.20	.22	.37	.166	<.006	.38	.011	E.009

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 25...	.022	4.0	42	40	2	E.03	31.8	<.06	<.04	E.6	.10	1.2	20

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
OCT 25...	<.08	7.9	.4	.39	<1.0	<1	<.002	<.004	<.002	<.005	<.007	<.010	<.002

DATE	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT 25...	<.041	<.020	<.005	<.018	<.003	<.006	65	<.005	<.005	<.021	<.002	<.009	<.005

HORSENECK BROOK BASIN

01211140 HORSENECK BROOK NEAR STANWICH, CT--Continued

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

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)
OCT 25...	<.003	55	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007

DATE	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 25...	<.002	<.010	<.006	<.011	E.004	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017

DATE	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)
OCT 25...	<.005	<.002	<.009	<.03	<.04	<.04	<.1	<.03	<.03	<.03	87	<.05	<.03

DATE	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
OCT 25...	<.04	<.10	<.09	<.03	<.2	<.02	<.04	<.05	<.1	<.1	128	<.2	<.05

DATE	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)
OCT 25...	<.1	<.03	<.03	E.1	<.2	<.06	<.04	<.04	<.1	99	<.05	<.04	<.09

DATE	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SET NUMBER SCHED-ULE 2090 (NO.) (99827)
OCT 25...	<.1	.82	819	3.03	1.03	5.03

HORSENECK BROOK BASIN

01211210 HORSENECK BROOK NEAR ROCK RIDGE, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 25...	01211210	HORSENECK BROOK NEAR ROCK	41 01 49 N	073 38 24 W	20001025	1000	80020	1028	60

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 25...	.85	4.8	70	770	9.3	82	7.4	7.2	254	18.5	11.0	24	82

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 25...	21.6	6.74	5.34	.7	13.7	25	57	58	70	.0	27.4	E.1	6.6

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT 25...	15.4	.19	.32	138	133	<.041	.33	.29	.64	.309	<.006	.60	.199

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 25...	.081	.065	.105	5.4	112	110	3	.06	72.3	<.06	<.04	<.8	.10

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT 25...	1.6	50	E.08	29.4	E.2	.75	<1.0	3	<.002	<.004	<.002	<.005	<.007

DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 25...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	117	E.004	<.005	<.021	<.002

HORSENECK BROOK BASIN

01211210 HORSENECK BROOK NEAR ROCK RIDGE, CT--Continued

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

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
OCT 25...	<.009	<.005	<.003	99	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
OCT 25...	<.003	<.007	<.002	<.010	<.006	<.011	E.012	<.004	<.010	<.011	<.023	<.011	<.016

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)
OCT 25...	<.034	<.017	<.005	<.002	E.002	<.03	<.04	<.04	<.1	<.03	<.03	<.03	84

DATE	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)
OCT 25...	<.05	<.03	<.04	<.10	<.09	<.03	<.2	E.08	<.04	<.05	<.1	<.1	127

DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)
OCT 25...	<.2	<.05	<.1	<.03	<.03	.2	<.2	<.06	<.04	<.04	<.1	98	E.02

DATE	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SET NUMBER SCHED-ULE 2090 (NO.) (99827)
OCT 25...	<.04	<.09	<.1	.02	751	3.03	1.03	5.03

BYRAM RIVER BASIN

01211600 BYRAM RIVER AT RIVERSVILLE, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 24...	01211600	BYRAM R AT RIVERSVILLE, CT	41 03 38 N	073 40 41 W	20001024	1250	80020	1028	154.78

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 24...	1.9	11.70	70	770	11.3	96	8.0	7.5	537	18.0	10.0	49	170

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 24...	44.4	13.6	7.79	1	35.1	30	118	118	144	.0	73.2	<.2	10.7

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT 24...	24.3	.41	1.54	298	287	<.041	.32	.33	1.9	1.63	E.004	2.0	.104

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 24...	.046	.034	.064	4.9	920	100	4	.07	57.5	<.06	.04	<.8	.19

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT 24...	1.3	30	.10	37.7	3.7	.84	<1.0	3	<.002	<.004	<.002	<.005	<.007

DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 24...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	88	.014	<.005	<.021	<.002

BYRAM RIVER BASIN

01211600 BYRAM RIVER AT RIVERSVILLE, CT--Continued

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

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
OCT 24...	<.009	<.005	<.003	71	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
OCT 24...	<.003	<.007	<.002	<.010	<.006	<.011	E.007	<.004	<.010	<.011	<.023	<.011	<.016

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)
OCT 24...	<.034	<.017	<.005	<.002	<.009	<.03	<.04	<.04	<.1	<.03	<.03	<.03	90

DATE	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)
OCT 24...	<.05	<.03	<.04	<.10	<.09	<.03	<.2	<.02	<.04	<.05	<.1	<.1	117

DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)
OCT 24...	<.2	<.05	<.1	<.03	<.03	E.1	<.2	<.06	<.04	<.04	<.1	98	E.02

DATE	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SET NUMBER SCHED-ULE 2090 (NO.) (99827)
OCT 24...	<.04	<.09	<.1	.63	833	3.03	1.03	5.03

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

BYRAM RIVER BASIN

01211699 EAST BRANCH BYRAM RIVER BELOW LAKE MEAD AT ROUND HILL, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 24...	01211699	E. BR. BYRAM R. BELOW LAKE	41 05 58 N	073 41 01 W	20001024	0825	80020	1028	330

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 24...	.39	1.65	70	763	8.9	79	7.6	7.4	212	15.0	10.0	17	83

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 24...	25.0	5.08	2.77	.5	9.8	20	66	67	81	.0	17.1	<.2	5.3

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT 24...	8.8	.17	.14	128	114	<.041	.20	.24	.25	.048	<.006	.29	E.004

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 24...	<.018	.012	4.5	26	3K	3	.05	28.5	<.06	<.04	E.4	.11	.5

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT 24...	60	<.08	9.4	E.2	.79	<1.0	<1	<.002	<.004	<.002	<.005	<.007	<.010

DATE	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 24...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	107	<.005	<.005	<.021	<.002	<.009

BYRAM RIVER BASIN

01211699 EAST BRANCH BYRAM RIVER BELOW LAKE MEAD AT ROUND HILL, CT--Continued

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

DATE	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 24...	<.005	<.003	109	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003

DATE	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 24...	<.007	<.002	<.010	<.006	<.011	E.002	<.004	<.010	<.011	<.023	<.011	<.016	<.034

DATE	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)
OCT 24...	<.017	<.005	<.002	<.009	<.03	<.04	<.04	<.1	<.03	<.03	<.03	90	<.05

DATE	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMOFORM TOTAL (UG/L) (32104)	CARBON TETRACHLORIDE TOTAL (UG/L) (32102)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	BROMODICHLOROMETHANE TOTAL (UG/L) (32101)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	DI-ISOPROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)
OCT 24...	<.03	<.04	<.10	<.09	<.03	<.2	<.02	<.04	<.05	<.1	<.1	116	<.2

DATE	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYLBENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLORIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)
OCT 24...	<.05	<.1	<.03	<.03	<.2	<.2	<.06	<.04	<.04	<.1	97	<.05	<.04

DATE	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	VINYL CHLORIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHEDULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHEDULE 2001 (NO.) (99818)	SET NUMBER SCHEDULE 2090 (NO.) (99827)
OCT 24...	<.09	<.1	.09	952	4.03	1.03	5.03

BYRAM RIVER BASIN

01212100 EAST BRANCH BYRAM RIVER AT RIVERSVILLE, CT

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

DATE	STATION NUMBER	LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
OCT 24...	01212100	E BR BYRAM R AT RIVERSVILL	41 03 39 N	073 40 31 W	20001024	1100	80020	1028	146.77

DATE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	DRAIN-AGE AREA (SQ. MI.) (81024)	SAM-PLING METHOD, CODES (82398)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT 24...	1.9	11.10	70	770	9.3	83	7.4	7.4	220	15.0	11.0	20	66

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 24...	18.3	4.96	3.21	.9	16.8	34	46	46	56	.0	26.4	<.2	7.3

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT 24...	15.0	.18	.66	133	120	<.041	.25	.33	.43	.172	E.003	.50	.006

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ENTERO-COCCI, ME MF, WATER (COL/ 100 ML) (31649)	FECAL COLI-FORM, MFC MF, WATER (COL/ 100 ML) (31616)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 24...	<.018	.020	4.8	68	110	2	.17	27.1	E.04	E.02	<.8	.10	1.1

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT 24...	40	E.05	13.1	.2	.78	<1.0	1	<.002	<.004	<.002	<.005	<.007	<.010

DATE	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 24...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	117	<.005	<.005	<.021	<.002	<.009

BYRAM RIVER BASIN

01212100 EAST BRANCH BYRAM RIVER AT RIVERSVILLE, CT--Continued

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

DATE	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 24...	<.005	<.003	98	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	E.002

DATE	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 24...	<.007	<.002	<.010	<.006	<.011	E.011	<.004	<.010	<.011	<.023	E.004	<.016	<.034

DATE	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DICHLOROETHENE TOTAL (UG/L) (34546)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 14BRFL-SURROG VOC UNFLTRD REC PERCENT (99834)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)
OCT 24...	<.017	<.005	<.002	<.009	<.03	<.04	<.04	<.1	<.03	<.03	<.03	90	<.05

DATE	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE TOTAL (UG/L) (34030)	BROMOFORM TOTAL (UG/L) (32104)	CARBON TETRACHLORIDE TOTAL (UG/L) (32102)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	CIS-1,2-DICHLOROETHENE WATER TOTAL (UG/L) (77093)	BROMODICHLOROMETHANE TOTAL (UG/L) (32101)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	DI-ISOPROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE 12DICL SURROG VOC UNFLTRD REC PERCENT (99832)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)
OCT 24...	<.03	<.04	<.10	<.09	<.03	<.2	E.02	<.04	<.05	<.1	<.1	121	<.2

DATE	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYLBENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL ENE CHLORIDE TOTAL (UG/L) (34423)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	STYRENE TOTAL (UG/L) (77128)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TOLUENE D8 SURROG VOC UNFLTRD REC PERCENT (99833)	TOLUENE TOTAL (UG/L) (34010)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)
OCT 24...	<.05	<.1	<.03	<.03	E.1	<.2	<.06	<.04	<.04	<.1	98	E.02	<.04

DATE	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	VINYL CHLORIDE TOTAL (UG/L) (39175)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SAMPLE VOLUME SCHEDULE 2001 (ML) (99856)	SET NUMBER LAB CODE 0114 (NO.) (99631)	SET NUMBER SCHEDULE 2001 (NO.) (99818)	SET NUMBER SCHEDULE 2090 (NO.) (99827)
OCT 24...	<.09	<.1	.07	869	4.03	2.03	5.03

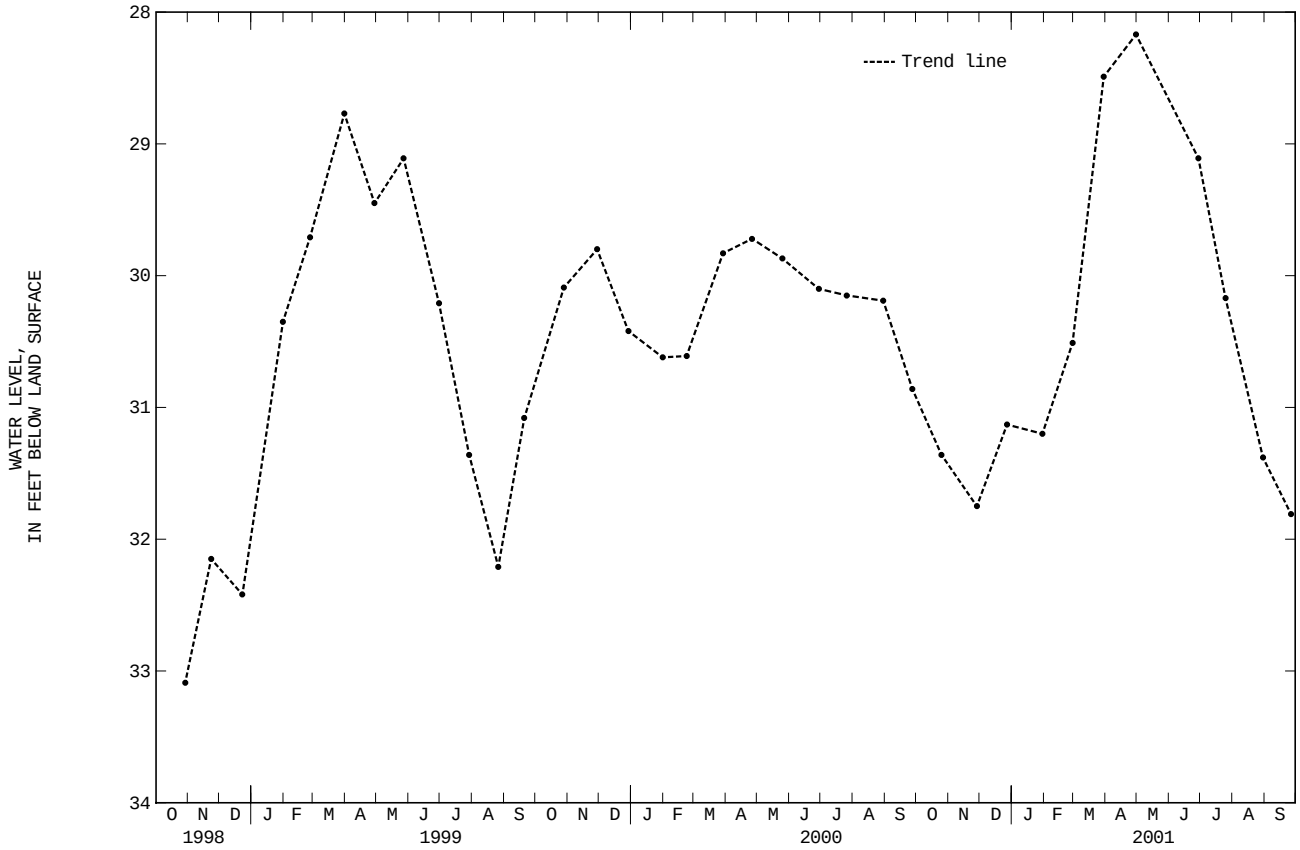
413007073250501. Local number, BD 8.

LOCATION.--Lat 41°30'07", long 73°25'05", Hydrologic Unit 01100005, 50 ft south and 10 ft east of parking area along State Rt. 7 at north town line, Brookfield; New Milford quadrangle. Owner: Connecticut Department of Transportation.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 1.25 in, depth 53 ft, plastic casing to 50 ft, well point 50 to 53 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.40 ft above land-surface datum.
PERIOD OF RECORD.--December 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.33 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 33.41 ft below land-surface datum, Jan. 26, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	31.36	DEC 27	31.13	FEB 28	30.51	APR 30	28.17	JUL 25	30.17	SEP 26	31.81
NOV 28	31.75	JAN 30	31.20	MAR 30	28.49	JUN 29	29.11	AUG 30	31.38		

WATER YEAR 2001 HIGHEST 28.17 APR 30, 2001 LOWEST 31.81 SEP 26, 2001



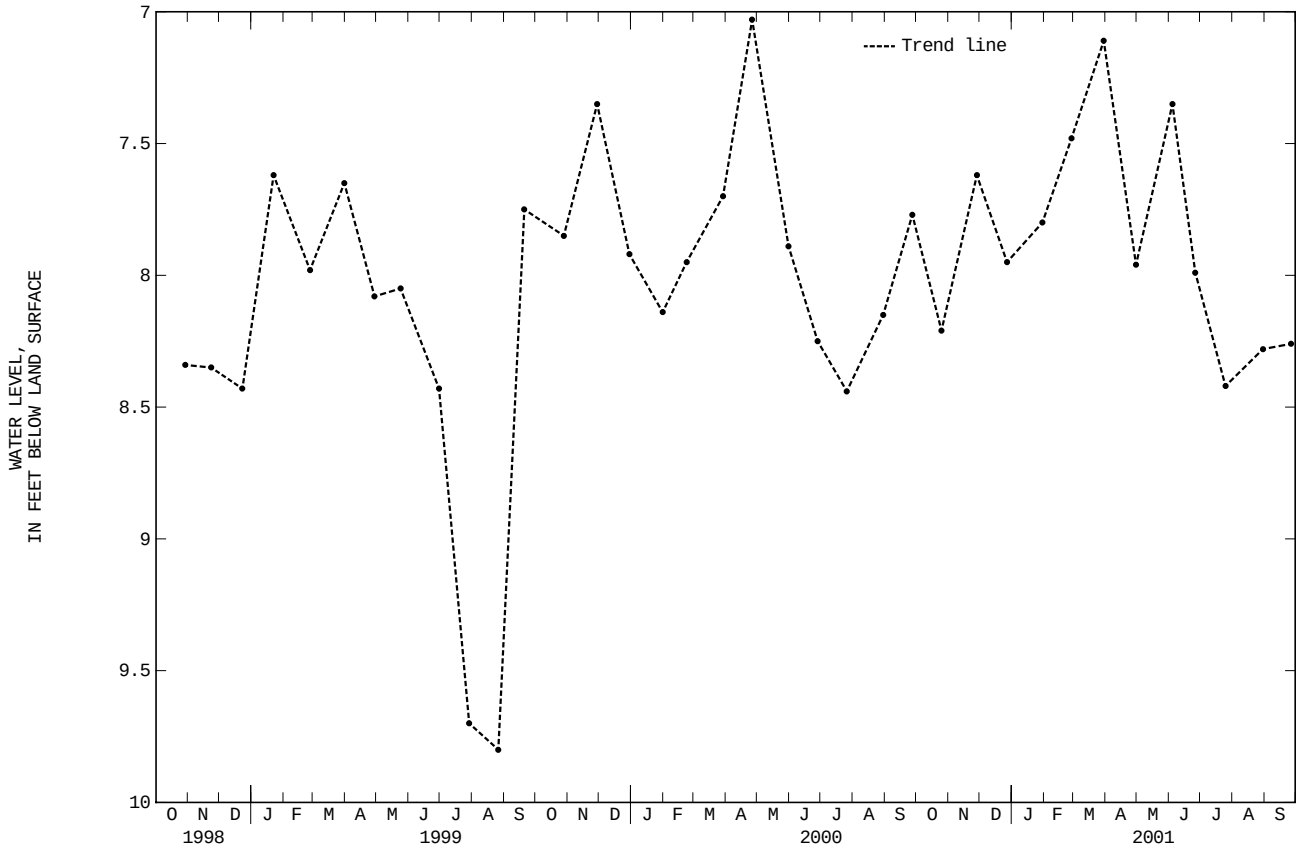
411256073153101. Local Number, FF 23.

LOCATION.--Lat 41°12'56", long 73°15'31", Hydrologic Unit 01100006, about 100 ft south of Merritt Parkway and about 2,000 ft southwest of State Rt. 59 overpass (exit 46), Fairfield; Westport quadrangle. Owner: Connecticut Department of Transportation.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 1.25 in, depth 42 ft, steel casing to 39 ft, screened 39 to 42 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 130 ft above sea level, from topographic map. Measuring point: Top of steel protective casing at orange paint mark, 2.40 ft above land-surface datum.
PERIOD OF RECORD.--September 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.64 ft below land-surface datum, Apr. 10, 1980; lowest water level measured, 9.80 ft below land-surface datum, Aug. 26, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	8.21	DEC 27	7.95	FEB 27	7.48	APR 30	7.96	JUN 26	7.99	AUG 30	8.28
NOV 28	7.62	JAN 30	7.80	MAR 30	7.11	JUN 04	7.35	JUL 25	8.42	SEP 26	8.26

WATER YEAR 2001 HIGHEST 7.11 MAR 30, 2001 LOWEST 8.42 JUL 25, 2001



FAIRFIELD COUNTY--Continued

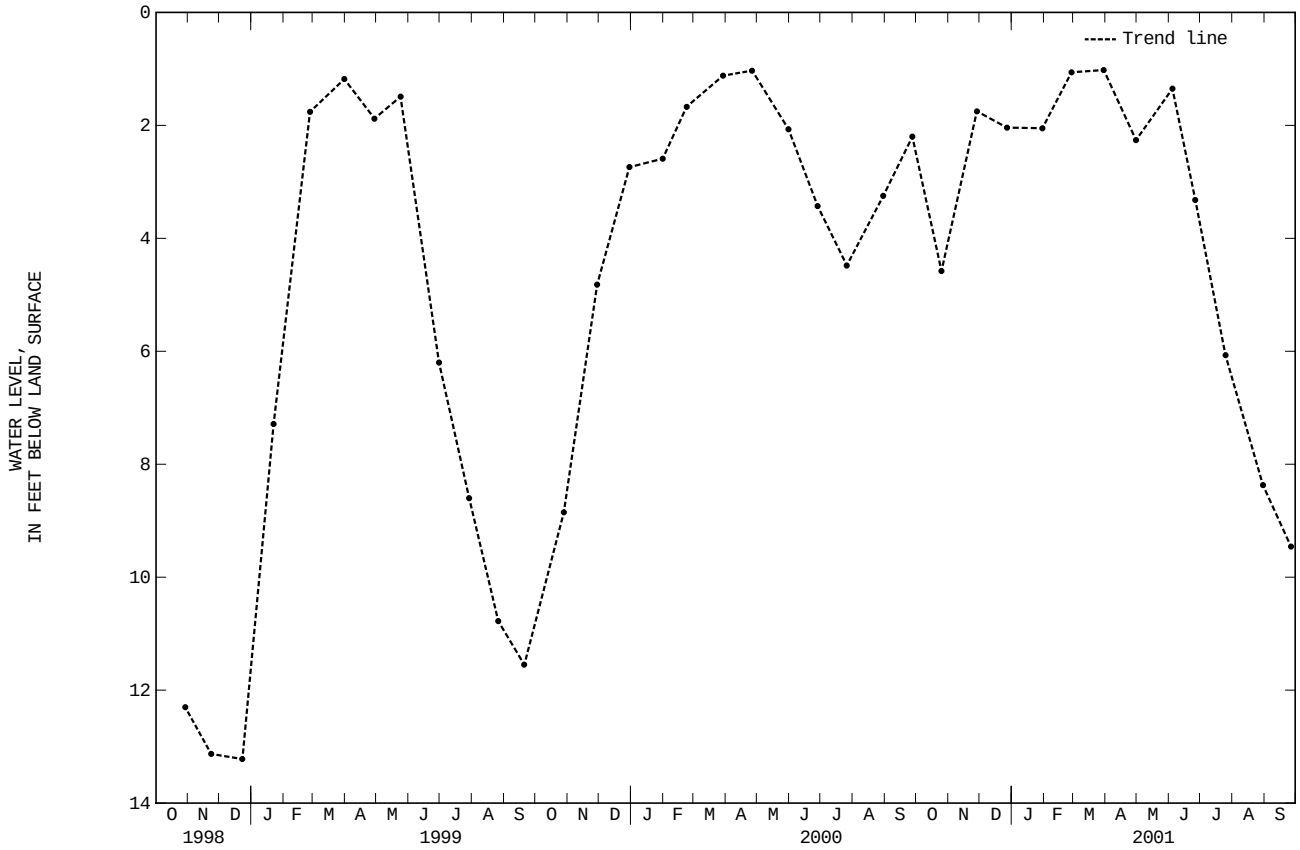
411124073172201. Local Number, FF 30.

LOCATION.--Lat 41°11'24", long 73°17'22", Hydrologic Unit 01100006, High Point Lane, 80 ft northeast of end of cul-de-sac. Fairfield; Westport quadrangle. Owner: Aspetuck Land Trust.
AQUIFER.--Bedrock.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 27 ft, screened 22 to 27 ft.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 335 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,0.47 ft below land-surface datum Mar. 30, 1994; lowest water level measured, 13.22 ft below land-surface datum, Dec. 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	4.58	DEC 27	2.04	FEB 27	1.06	APR 30	2.26	JUN 26	3.32	AUG 30	8.37
NOV 28	1.75	JAN 30	2.05	MAR 30	1.02	JUN 04	1.35	JUL 25	6.07	SEP 26	9.46

WATER YEAR 2001 HIGHEST 1.02 MAR 30, 2001 LOWEST 9.46 SEP 26, 2001



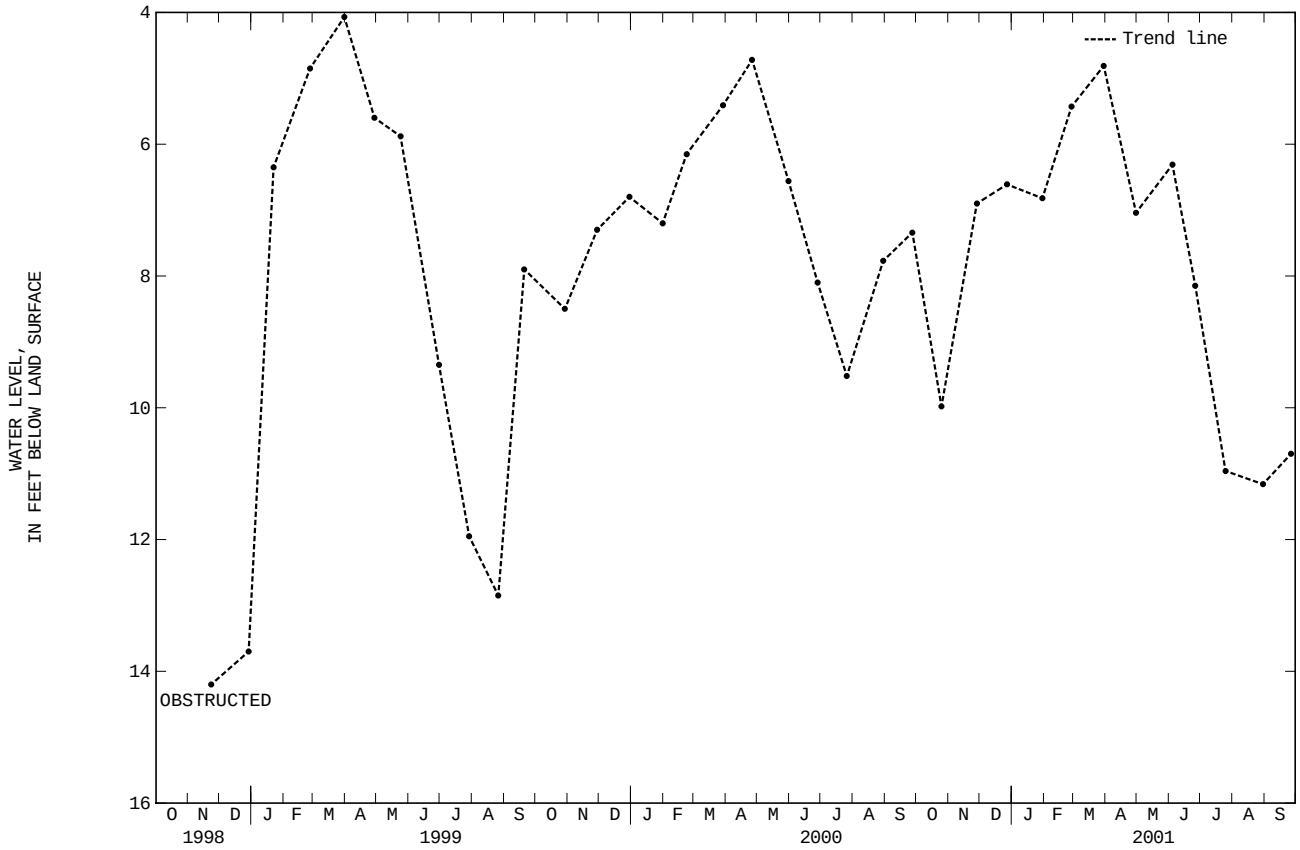
411118073175801. Local Number, FF 31.

LOCATION.--Lat 41°11'18", long 73°17'58", Hydrologic Unit 01100006, Behind fire station at 3965 Hillside Ave. Fairfield; Westport quadrangle. Owner: Town of Fairfield.
AQUIFER.--Bedrock.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 39.1 ft, screened 30 to 39.1 ft.
INSTRUMENTATION.--From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 275 ft above sea level from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--October 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.59 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 14.50 ft below land-surface datum, Sep. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	9.98	DEC 27	6.61	FEB 27	5.43	APR 30	7.04	JUN 26	8.15	AUG 30	11.16
NOV 28	6.90	JAN 30	6.82	MAR 30	4.81	JUN 04	6.31	JUL 25	10.96	SEP 26	10.70

WATER YEAR 2001 HIGHEST 4.81 MAR 30, 2001 LOWEST 11.16 AUG 30, 2001



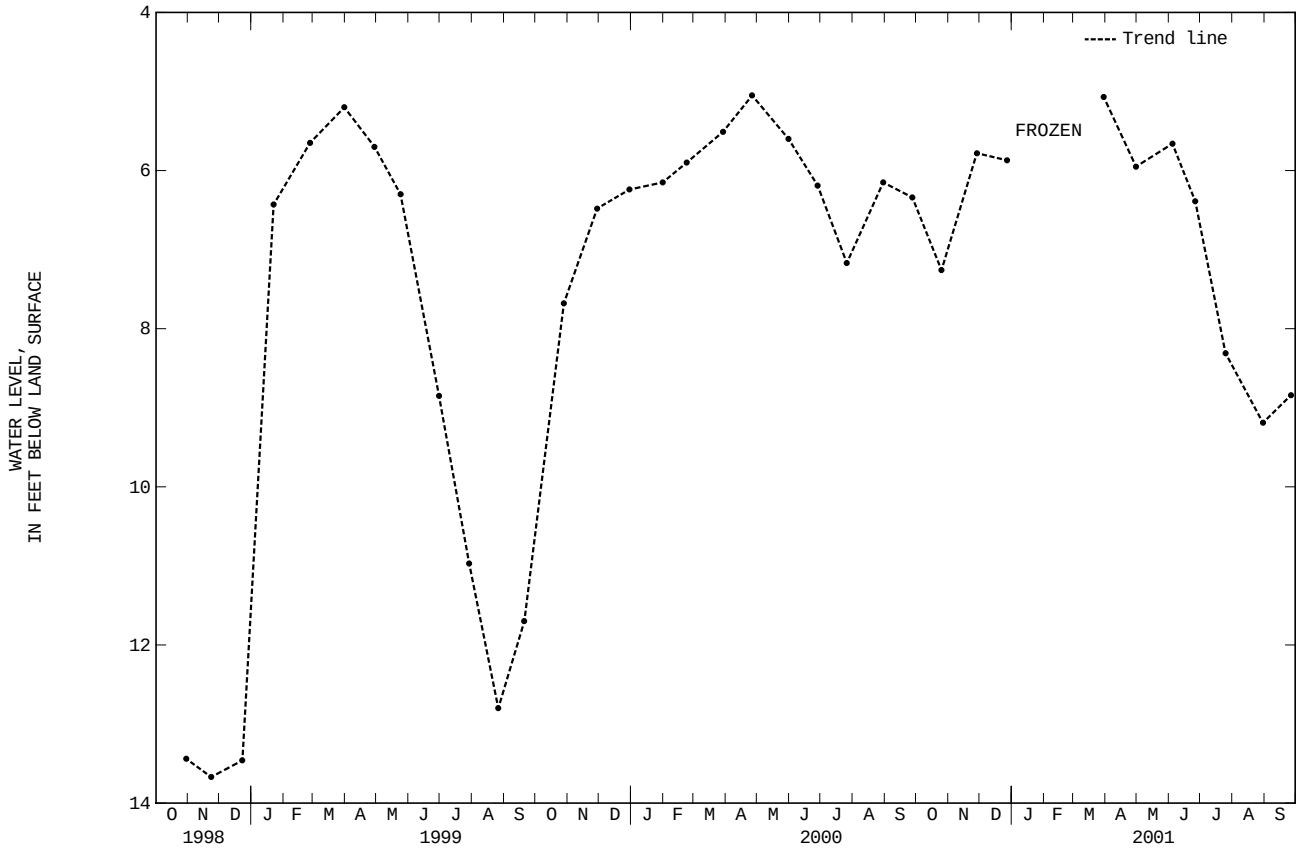
411103073181301. Local Number, FF 32.

LOCATION.--Lat 41°11'03", long 73°18'13", Hydrologic Unit 01100006, Timothy Dwight School, Redding Rd. 10 ft off of curb at corner of parking lot. Fairfield; Westport quadrangle. Owner: Town of Fairfield.
AQUIFER.--Bedrock.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 25 ft, screened 20 to 25 ft.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 225 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft below land-surface datum, Apr. 25, 1994; lowest water level measured, 14.01 ft below land-surface datum, Sep. 30, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	7.26	DEC 27	5.87	FEB 27	frozen	APR 30	5.95	JUN 26	6.39	AUG 30	9.19
NOV 28	5.78	JAN 30	frozen	MAR 30	5.07	JUN 04	5.66	JUL 25	8.31	SEP 26	8.84

WATER YEAR 2001 HIGHEST 5.07 MAR 30, 2001 LOWEST 9.19 AUG 30, 2001



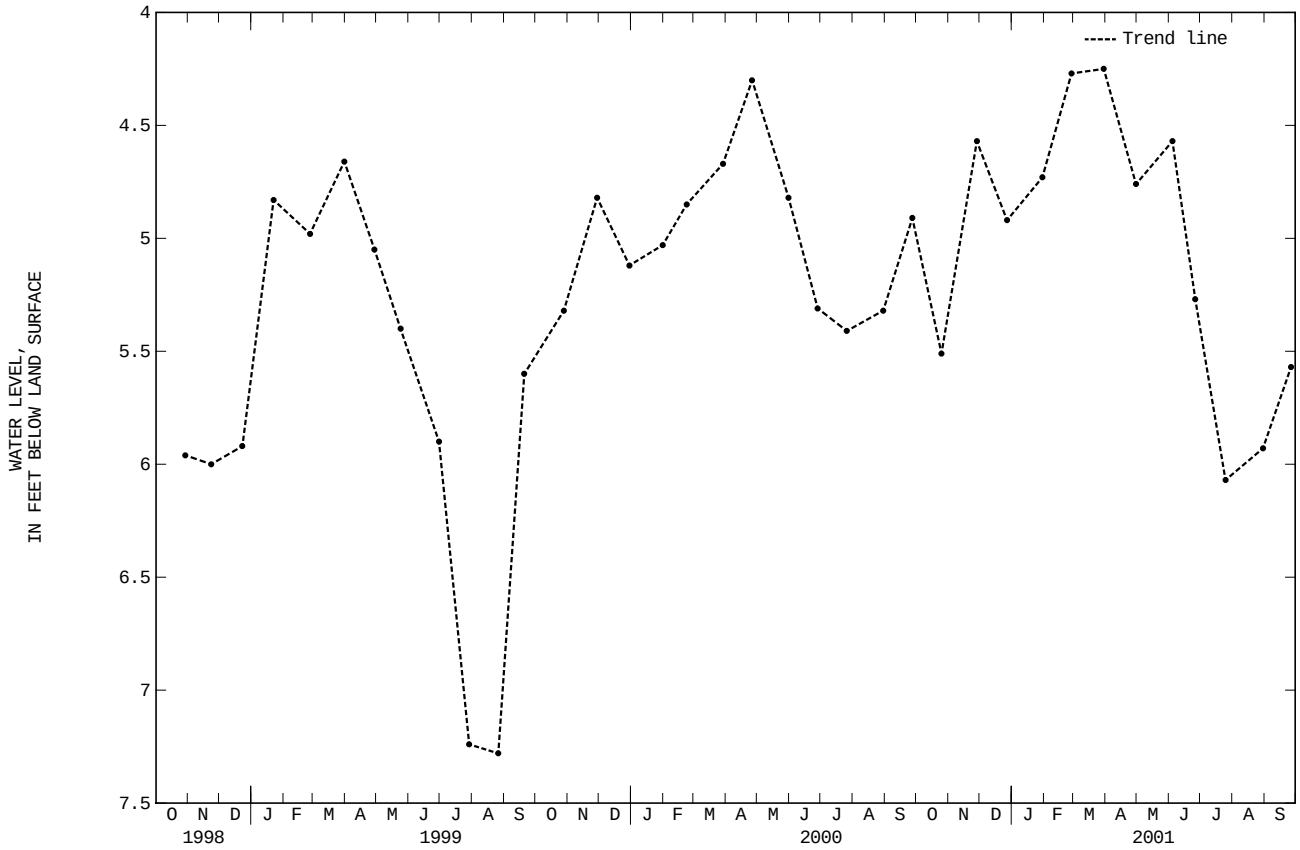
411058073182001. Local Number, FF 33.

LOCATION.--Lat 41°10'58", long 73°18'20", Hydrologic Unit 01100006, Timothy Dwight School, Redding Rd. 50 ft north of driveway, 50 ft east of Redding Rd. Fairfield; Westport quadrangle. Owner: Town of Fairfield.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 25 ft, screened 20 to 25 ft.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 155 ft above sea level, from topographic map. Measuring point: Top of steel protective casing at orange paint mark, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.10 ft below land-surface datum, July 29, 1998; lowest water level measured, 8.13 ft below land-surface datum, Sep. 23, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	5.51	DEC 27	4.92	FEB 27	4.27	APR 30	4.76	JUN 26	5.27	AUG 30	5.93
NOV 28	4.57	JAN 30	4.73	MAR 30	4.25	JUN 04	4.57	JUL 25	6.07	SEP 26	5.57

WATER YEAR 2001 HIGHEST 4.25 MAR 30, 2001 LOWEST 6.07 JUL 25, 2001



FAIRFIELD COUNTY--Continued

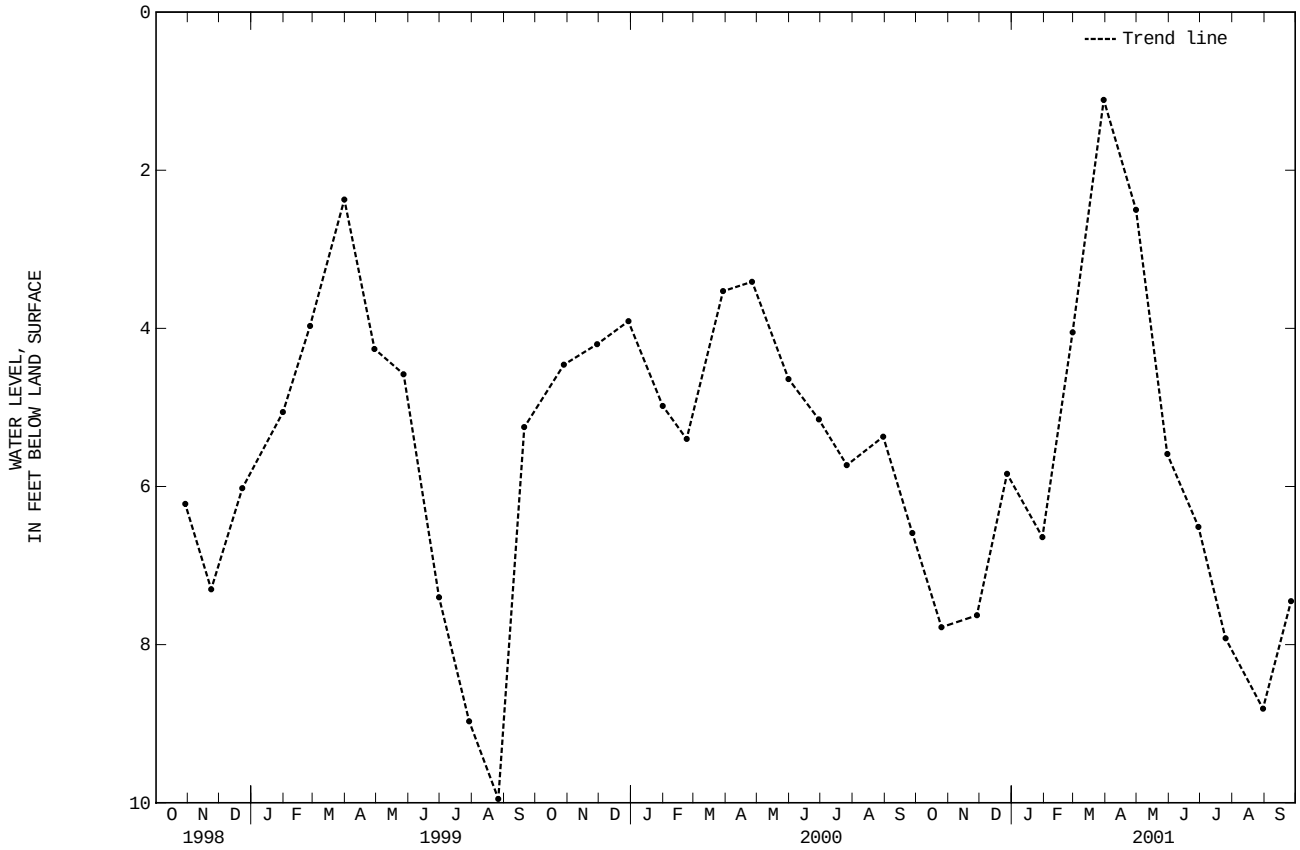
412429073165101. Local Number, NT 15.

LOCATION.--Lat 41°24'29", long 73°16'51", Hydrologic Unit 01100005, 0.65 mi southwest of State Rt. 34 on Mile Hill Rd. and 0.25 mi north on a Fairfield State Hospital road, Newtown; Newtown quadrangle. Owner: State of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 1.25 in, depth 33 ft, plastic casing to 31 ft, well point 31 to 33 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.20 ft above land-surface datum.
PERIOD OF RECORD.--December 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft below land-surface datum, May 25, 1989; lowest water level measured, 11.14 ft below land-surface datum, Oct. 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	7.78	DEC 27	5.84	FEB 28	4.05	APR 30	2.50	JUN 29	6.51	AUG 30	8.81
NOV 28	7.63	JAN 30	6.64	MAR 30	1.11	MAY 30	5.59	JUL 25	7.92	SEP 26	7.45

WATER YEAR 2001 HIGHEST 1.11 MAR 30, 2001 LOWEST 8.81 AUG 30, 2001



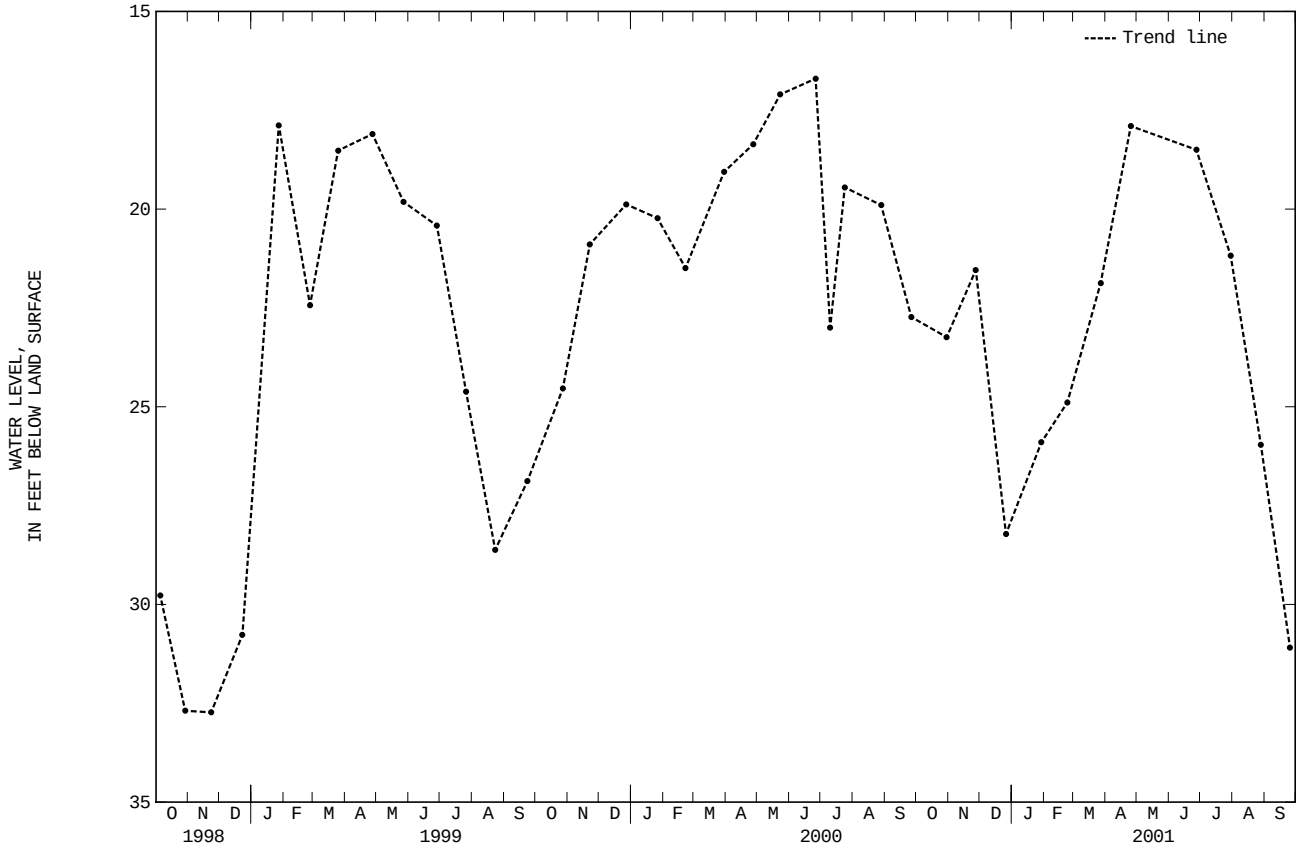
414615072581601. Local Number, BU 2.

LOCATION.--Lat 41°46'15", long 72°58'16", Hydrologic Unit 01080207, 95 ft north of State Rt. 4 at junction with Rt. 69, Burlington; Collinsville quadrangle. Owner: Snow Realty, Bristol.
AQUIFER.--Stratified drift (sand and gravel) of Pleistocene age.
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 36 in, depth 37 ft, stone-lined.
INSTRUMENTATION.--ADR water-level recorder- 60 minute punch, May 2, 1986 through September 23, 1987. Prior to May 1986 and from February 29,1988 to November 1990, measured monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 880 ft above sea level, from topographic map. Measuring point: Between hacksaw marks on manhole cover edge, 3.34 ft below original land-surface datum.
PERIOD OF RECORD.--April 1946 to September 1987 and February 1988 to current year.
REVISED RECORDS.--WDR CT 99-01, 2001: Land-surface datum. Measuring point is 3.34 ft below original land-surface datum (not 8.84 ft below).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.70 ft below land-surface datum, Aug. 19, 1955; lowest water level measured, 37.41 ft below land-surface datum, Dec. 22, 1948.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	23.24	DEC 26	28.22	FEB 23	24.89	APR 25	17.90	JUL 30	21.18	SEP 25	31.09
NOV 27	21.54	JAN 29	25.90	MAR 27	21.87	JUN 27	18.50	AUG 28	25.96		

WATER YEAR 2001 HIGHEST 17.90 APR 25, 2001 LOWEST 31.09 SEP 25, 2001



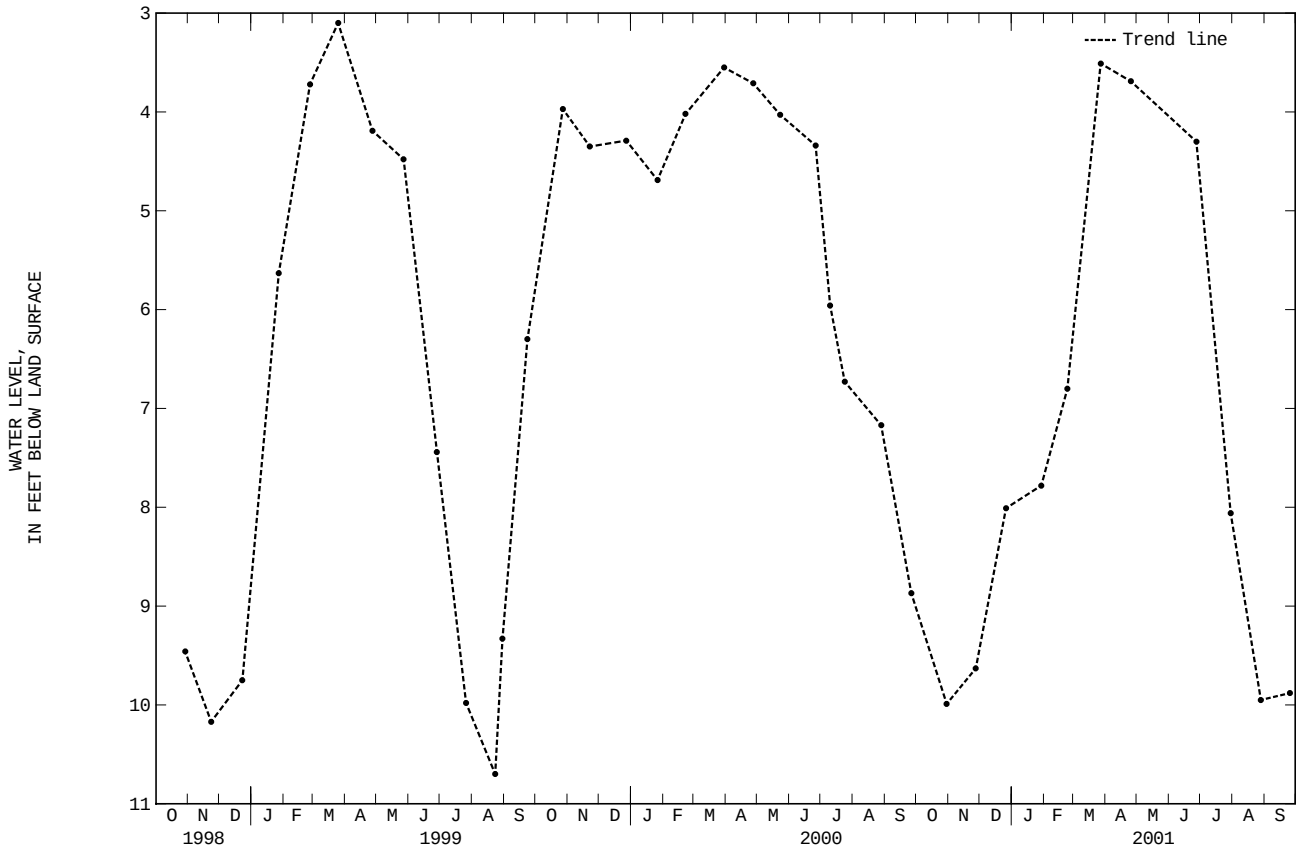
414704072580501. Local Number, BU 143.

LOCATION.--Lat 41°47'04", long 72°58'05", Hydrologic Unit 01080207, 600 ft east of "T" in Covey Road; 20 ft off left side of roadway in pine tree grove. Burlington; Collinsville quadrangle. Owner: Town of Burlington
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in., depth 21.3 ft.
INSTRUMENTATION.--Since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 780 ft above sea level, from topographic map. Measuring point: Top of metal protective case between two hacksaw marks, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--October 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.10 ft below land-surface datum, Mar. 25, 1999; lowest water level measured, 10.70 ft below land-surface datum, Aug. 23, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	9.99	DEC 26	8.01	FEB 23	6.80	APR 25	3.69	JUL 30	8.06	SEP 25	9.88
NOV 27	9.63	JAN 29	7.78	MAR 27	3.51	JUN 27	4.30	AUG 28	9.95		

WATER YEAR 2001 HIGHEST 3.51 MAR 27, 2001 LOWEST 9.99 OCT 30, 2000



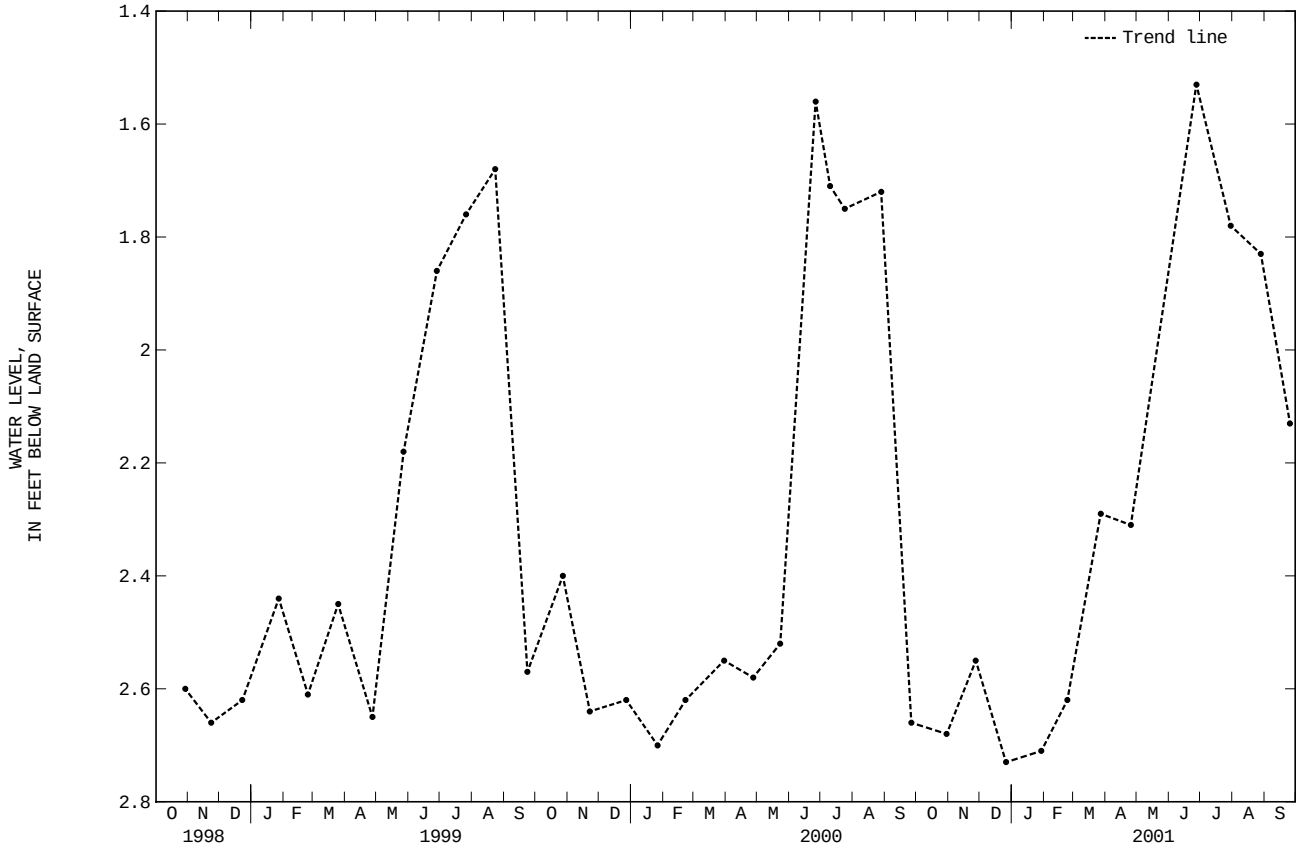
414649072574401. Local Number, BU 144.

LOCATION.--Lat 41°46'49", long 72°57'44", Hydrologic Unit 01080207, 15 ft south of 4-ft chainlink fence surrounding Burlington Recreation Area on Foote Rd. Burlington; Collinsville quadrangle. Owner: Town of Burlington
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in., depth 13.1 ft.
INSTRUMENTATION.--Since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 620 ft above sea level, from topographic map. Measuring point: Top of metal protective case between two hacksaw marks, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--October 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft below land-surface datum, July 1, 1998; lowest water level measured, 3.62 ft below land-surface datum, Feb. 27, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	2.68	DEC 26	2.73	FEB 23	2.62	APR 25	2.31	JUL 30	1.78	SEP 25	2.13
NOV 27	2.55	JAN 29	2.71	MAR 27	2.29	JUN 27	1.53	AUG 28	1.83		

WATER YEAR 2001 HIGHEST 1.53 JUN 27, 2001 LOWEST 2.73 DEC 26, 2000



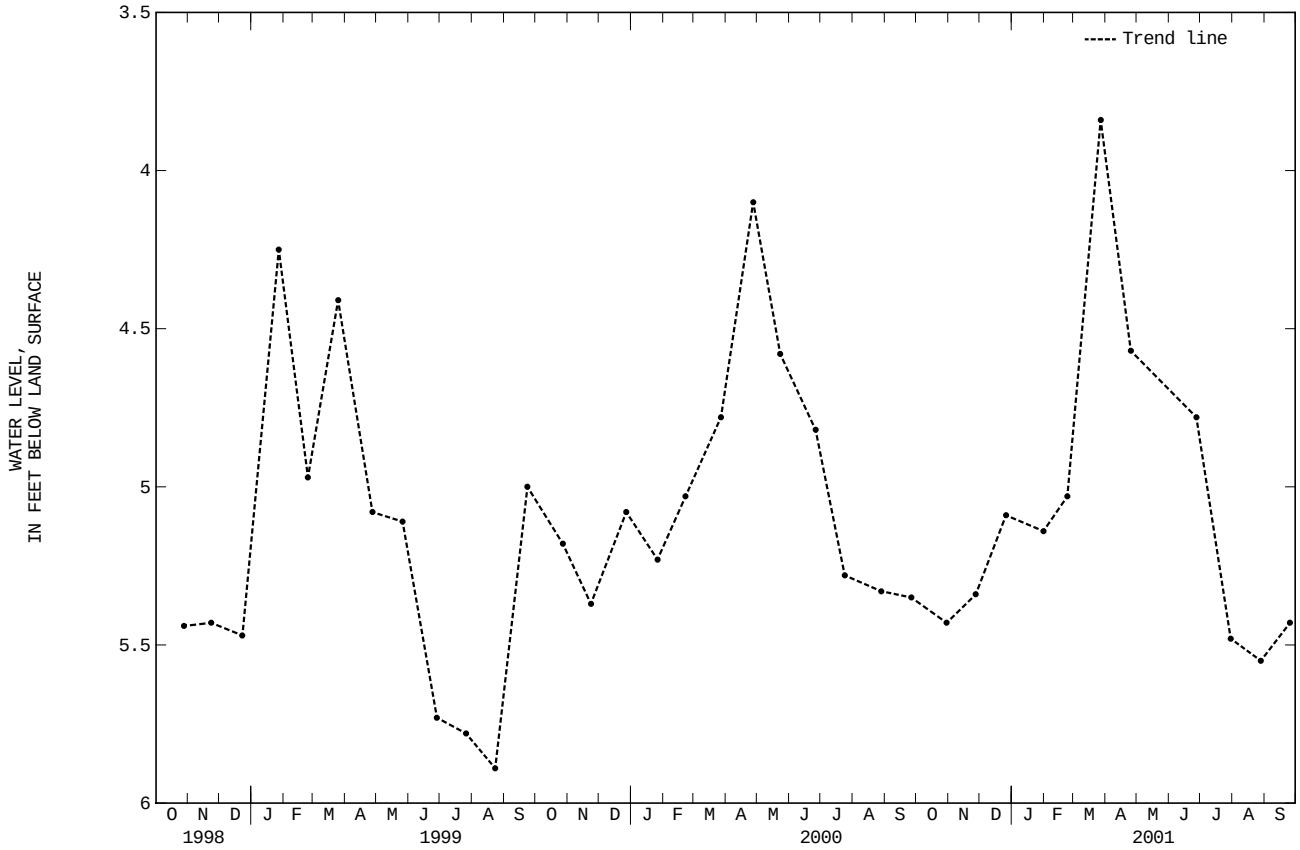
415450072332201. Local Number, EW 133.

LOCATION.--Lat 41°54'50", long 72°33'22", Hydrologic Unit 01080205, about 170 ft east of Church St. and about 75 ft south of Mill St. (State Rt. 191), 15 ft north of Broad Brook, East Windsor; Broad Brook quadrangle. Owner: Otto Fresse
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 22.6 ft, PVC casing, screened 21.6 to 22.6.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Between hacksaw marks on PVC well, 4.07 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.40 ft below land-surface datum, May 25, 1989; lowest water level measured, 6.66 ft below land-surface datum, Sep. 29, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	5.43	DEC 26	5.09	FEB 23	5.03	APR 25	4.57	JUL 30	5.48	SEP 25	5.43
NOV 27	5.34	JAN 31	5.14	MAR 27	3.84	JUN 27	4.78	AUG 28	5.55		

WATER YEAR 2001 HIGHEST 3.84 MAR 27, 2001 LOWEST 5.55 AUG 28, 2001



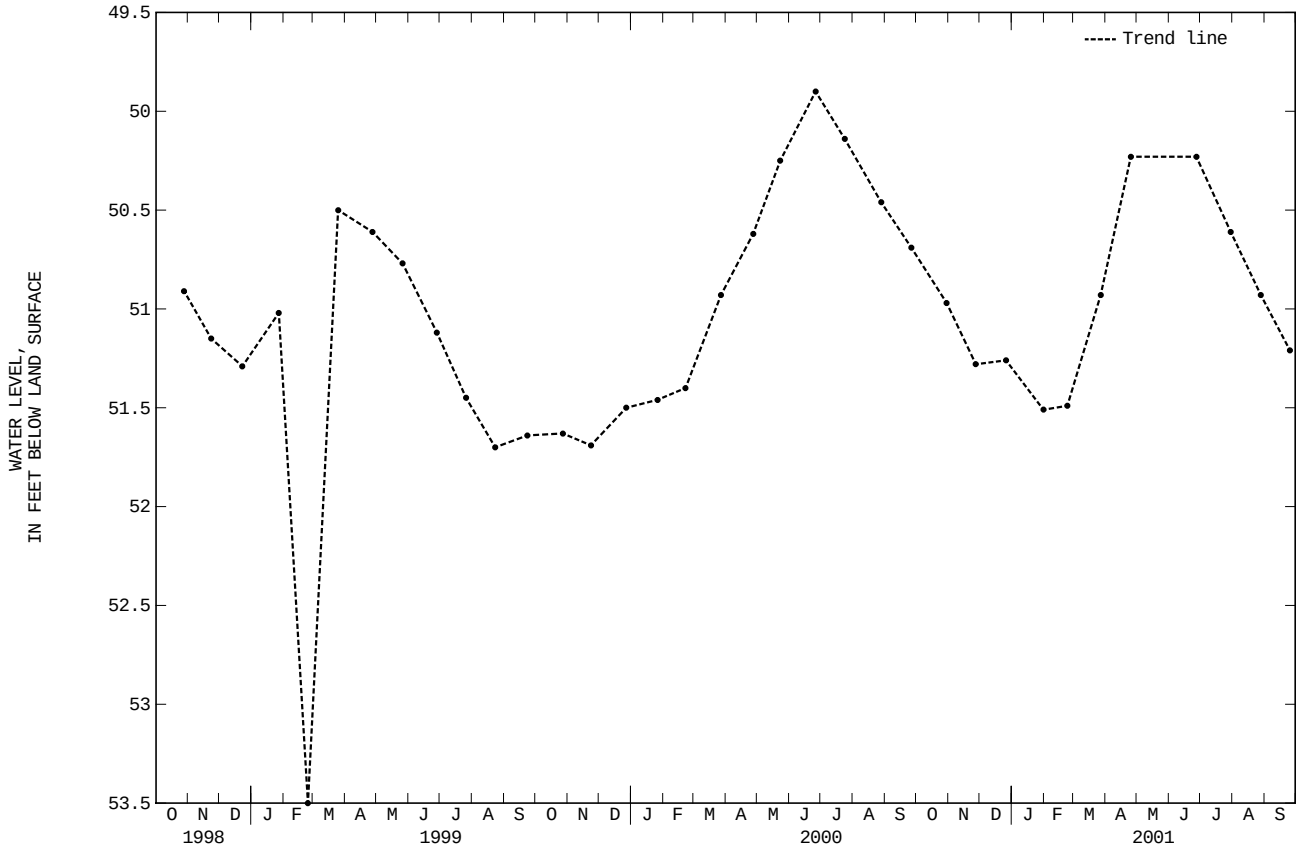
415548072311301. Local Number, EW 134.

LOCATION.--Lat 41°55'48", long 72°31'13", Hydrologic Unit 01080205, about 400 ft east of East St. and about 0.75 mi north of Depot St., East Windsor; Broad Brook quadrangle. Owner: Myers Nursery
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 102.1 ft, PVC casing, screened 99.1 to 102.1 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 185 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.25 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.91 ft below land-surface datum, June 14, 1991; lowest water level measured, 53.50 ft below land-surface datum, Feb. 24, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	50.97	DEC 26	51.26	FEB 23	51.49	APR 25	50.23	JUL 30	50.61	SEP 25	51.21
NOV 27	51.28	JAN 31	51.51	MAR 27	50.93	JUN 27	50.23	AUG 28	50.93		

WATER YEAR 2001 HIGHEST 50.23 APR 25, 2001 JUN 27, 2001 LOWEST 51.51 JAN 31, 2001



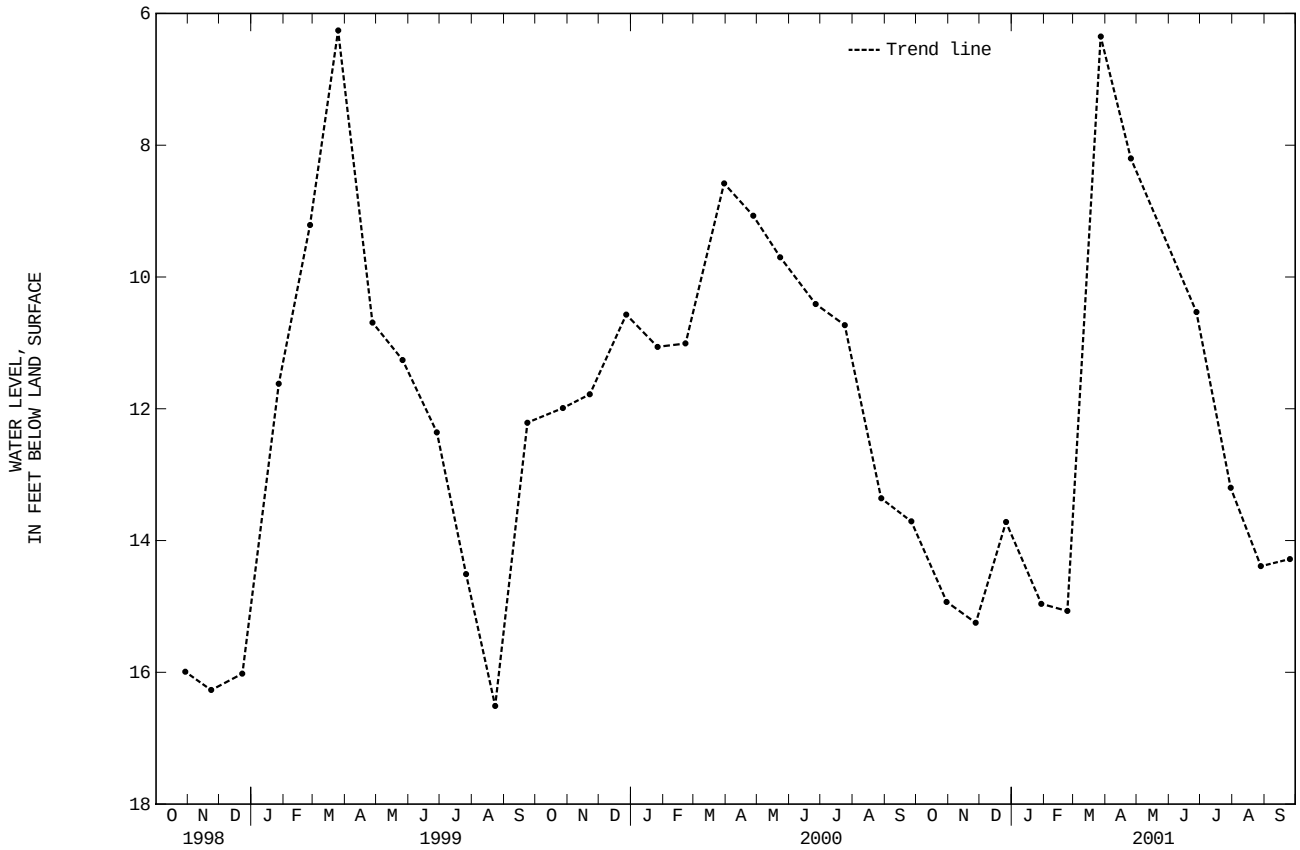
415649072494801. Local Number, GR 328.

LOCATION.--Lat 41°56'49", long 72°49'48", Hydrologic Unit 01080207; 1,150 ft east of junction of Day St. and Simsbury Rd. on field lane to field, well is 320 ft east of fence line and 60 ft north of wood line and 10 ft from east fence line, Granby; Tariffville quadrangle. Owner: Town of Granby.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.
INSTRUMENTATION.--Prior to October 27, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel; ADR water-level recorder with 60-minute punch installed October 27, 1988; intermittent water level measurements made with a chalked tape during water year 1993; measurements made biweekly with a chalked tape during water year 1994; from October 1994 through September 1996 measurements made biweekly with an electric tape by USGS personnel; since October 1996 measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 440 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 0.84 ft above land-surface datum.
PERIOD OF RECORD.--June 1981 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.49 ft below land-surface datum, June 1, 1984; lowest water level measured, 17.44 ft below land-surface datum, Nov. 4, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	14.93	DEC 26	13.72	FEB 23	15.07	APR 25	8.20	JUL 30	13.20	SEP 25	14.28
NOV 27	15.25	JAN 29	14.96	MAR 27	6.35	JUN 27	10.53	AUG 28	14.39		

WATER YEAR 2001 HIGHEST 6.35 MAR 27, 2001 LOWEST 15.25 NOV 27, 2000



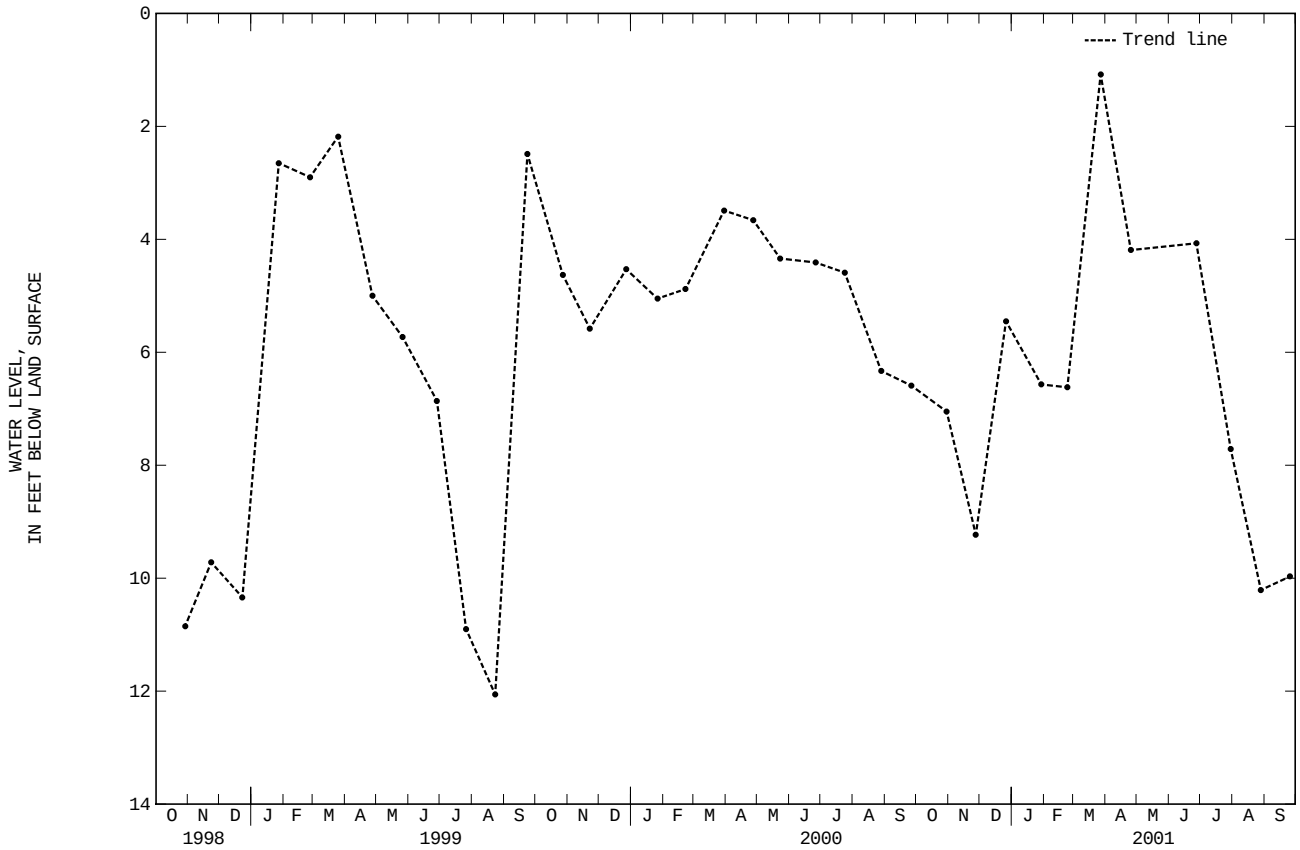
415647072495901. Local Number, GR 329.

LOCATION.--Lat 41°56'47", long 72°49'59", Hydrologic Unit 01080207; 1,150 ft east of junction of Day St. and Simsbury Rd. on field lane to field, well is 10 ft east of stone wall, 150 ft south of field lane along stone wall which runs north and south, Granby; Tariffville quadrangle. Owner: Town of Granby.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.
INSTRUMENTATION.--Prior to October 27, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel; ADR water-level recorder with 60-minute punch installed October 27, 1988; intermittent water level measurements made with a chalked tape during water year 1993; measurements made biweekly with a chalked tape during water year 1994; from October 1994 through September 1996 measurements made biweekly with an electric tape by USGS personnel; since October 1996 measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 400 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.32 ft above land-surface datum.
PERIOD OF RECORD.--May 1982 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.88 ft below land-surface datum, Jan. 26, 1996; lowest water level measured, 13.13 ft below land-surface datum, Oct. 28, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	7.05	DEC 26	5.45	FEB 23	6.62	APR 25	4.19	JUL 30	7.71	SEP 25	9.97
NOV 27	9.23	JAN 29	6.57	MAR 27	1.08	JUN 27	4.07	AUG 28	10.21		

WATER YEAR 2001 HIGHEST 1.08 MAR 27, 2001 LOWEST 10.21 AUG 28, 2001



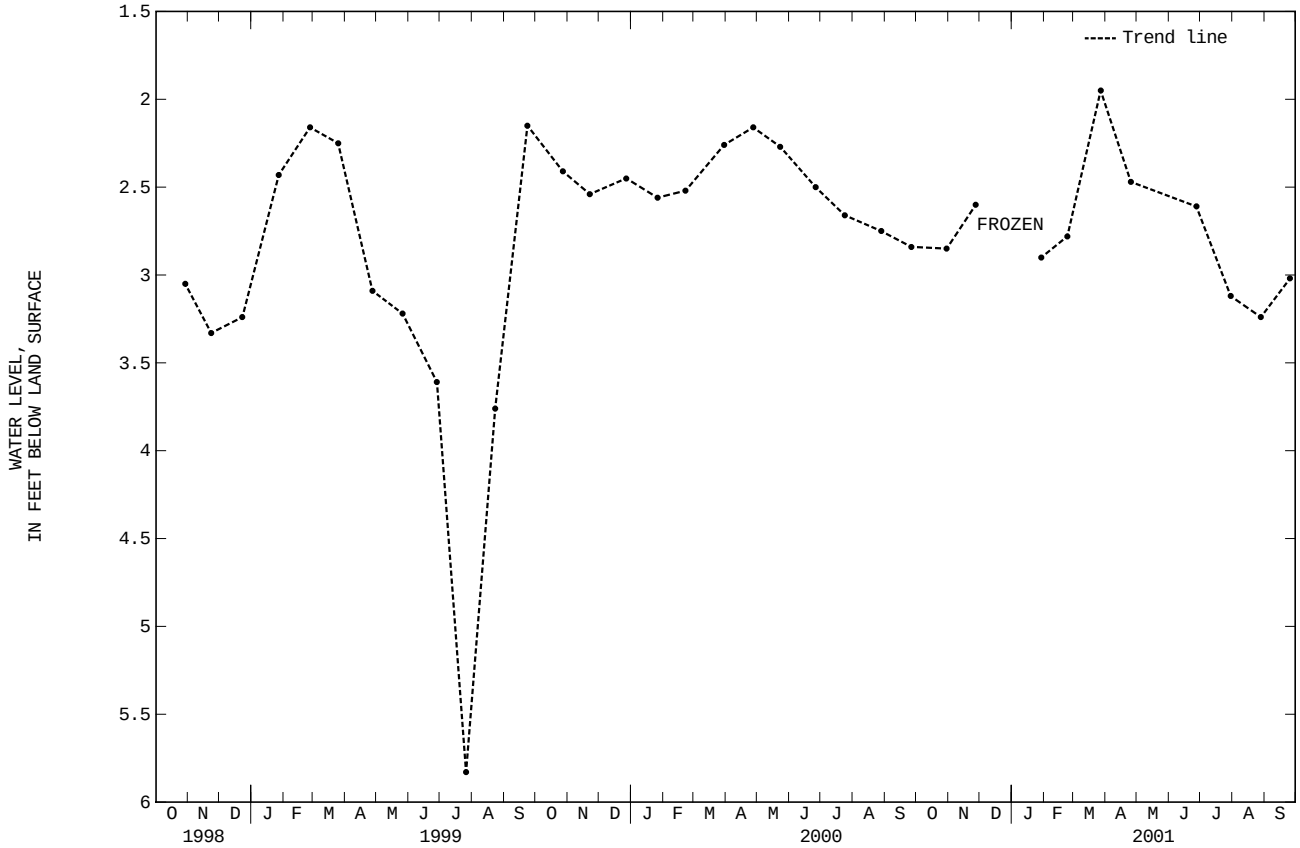
415643072502201. Local Number, GR 330.

LOCATION.--Lat 41°56'43", long 72°50'22", Hydrologic Unit 01080207; 1,000 ft west of junction of Day St. and Simsbury Rd. on west side of field, 50 ft from bank of west branch of Salmon River, 250 ft south along field, 10 ft west of edge of field, Granby; Tariffville quadrangle. Owner: Town of Granby.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.
INSTRUMENTATION.--Prior to October 27, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel; ADR water-level recorder with 60-minute punch installed October 27, 1988; intermittent water level measurements made with a chalked tape during water year 1993; measurements made biweekly with a chalked tape during water year 1994; from October 1994 through September 1996 measurements made biweekly with an electric tape by USGS personnel; since October 1996 measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 309 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.29 ft above land-surface datum.
PERIOD OF RECORD.-- May 1982 to September 1992. Only 4 measurements made during water year 1993. October 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.01 ft below land-surface datum, Oct. 20, 1989; lowest water level measured, 5.83 ft below land-surface datum, July 26, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	2.85	DEC 26	frozen	FEB 23	2.78	APR 25	2.47	JUL 30	3.12	SEP 25	3.02
NOV 27	2.60	JAN 29	2.90	MAR 27	1.95	JUN 27	2.61	AUG 28	3.24		

WATER YEAR 2001 HIGHEST 1.95 MAR 27, 2001 LOWEST 3.24 AUG 28, 2001



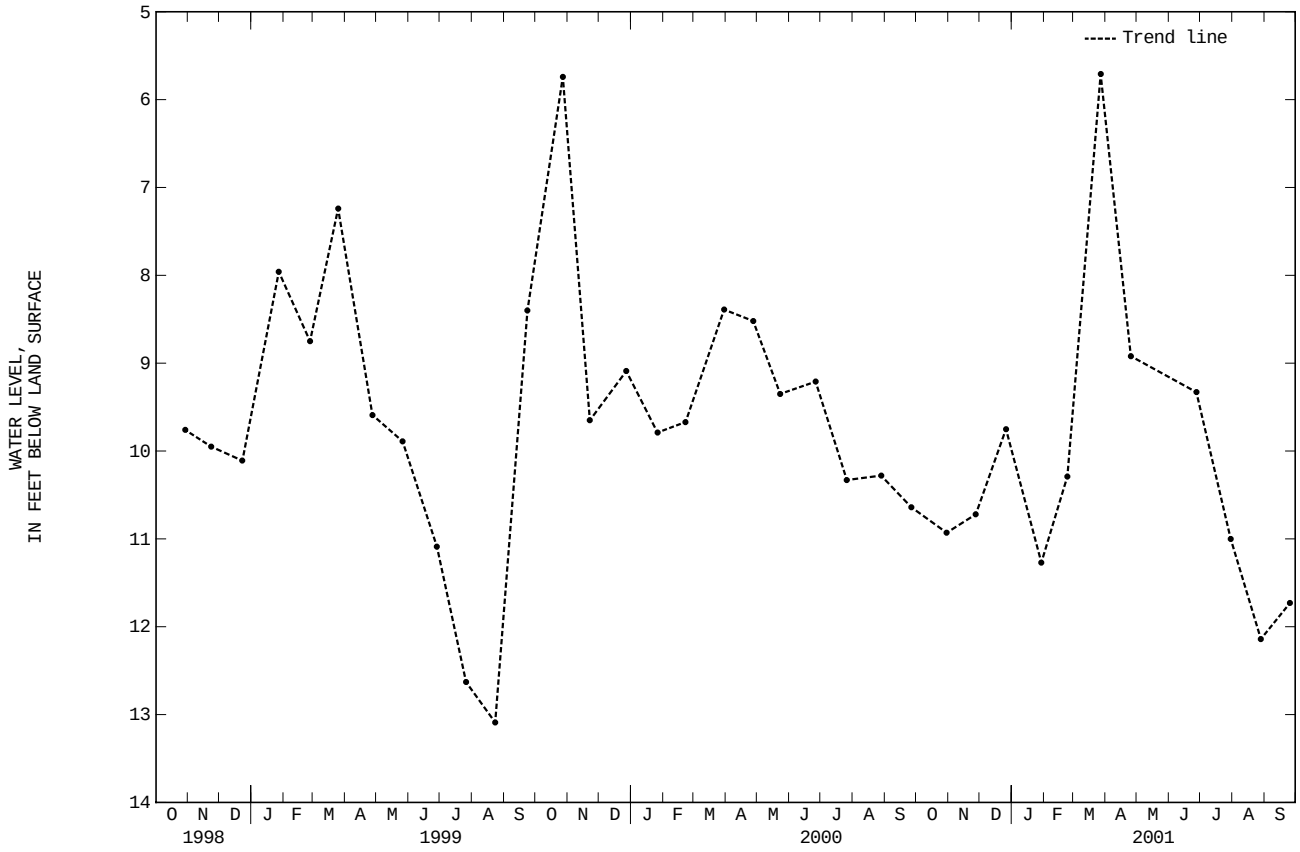
415653072501701. Local Number, GR 331.

LOCATION.--Lat 41°56'53", long 72°50'17", Hydrologic Unit 01080207; along north side of field road 30 ft west of Simsbury Rd., and 900 ft north from junction with Day St., Granby; Tariffville quadrangle. Owner: Town of Granby.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 31.5 ft, PVC casing, slotted 29.5 to 31.5 ft.
INSTRUMENTATION.--Prior to October 27, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel; ADR water-level recorder with 60-minute punch installed October 27, 1988; intermittent water level measurements made with a chalked tape during water year 1993; measurements made biweekly with a chalked tape during water year 1994; from October 1994 through September 1996 measurements made biweekly with an electric tape by USGS personnel; since October 1996 measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 327 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.36 ft above land-surface datum.
PERIOD OF RECORD.--March 1983 to September 1992. Only 4 measurements made during water year 1993. October 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.41 ft below land-surface datum, Apr. 22, 1983; lowest water level measured, 13.30 ft below land-surface datum, Sep. 29, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	10.93	DEC 26	9.75	FEB 23	10.29	APR 25	8.92	JUL 30	11.00	SEP 25	11.73
NOV 27	10.72	JAN 29	11.27	MAR 27	5.71	JUN 27	9.33	AUG 28	12.14		

WATER YEAR 2001 HIGHEST 5.71 MAR 27, 2001 LOWEST 12.14 AUG 28, 2001



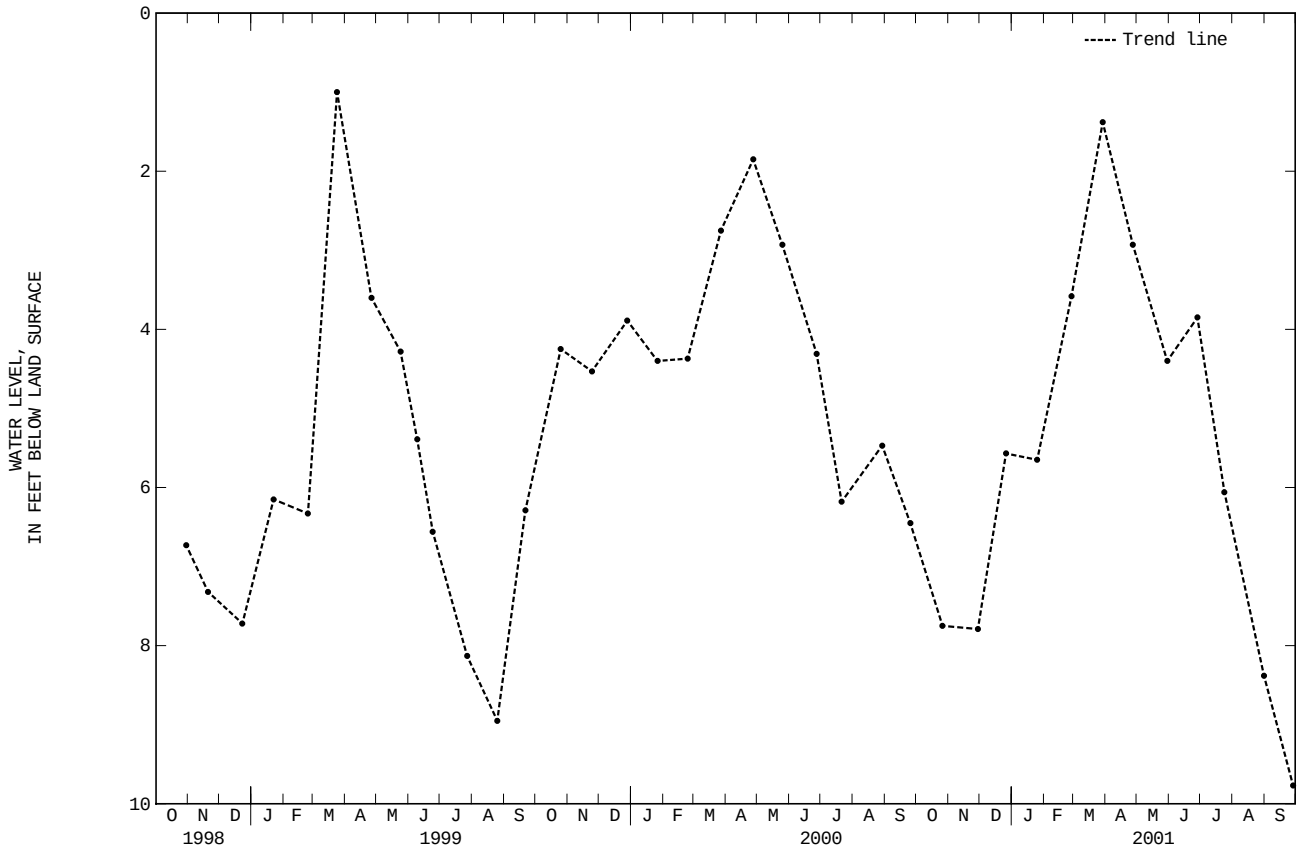
413535072253701. Local Number, MB 32.

LOCATION.--Lat 41°35'35", long 72°25'37", Hydrologic Unit 01080205, in southwest corner of field about 25 ft east of 4H Camp road at sharp turn to the west, which is about 1,000 ft southeast of South Rd.; Marlborough; Moodus quadrangle. Owner: Hartford County 4H.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 16.5 ft, PVC casing, screened 14.6 to 16.5 ft.
INSTRUMENTATION.--Prior to September 1991 measurements made monthly; from September 1991 through September 1993 measurements made with a chalked tape by State Natural Resources Center personnel; from October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements since October 1993 made by USGS personnel.
DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 10.80 ft below land-surface datum, Oct. 30, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	7.75	DEC 26	5.57	FEB 27	3.58	APR 27	2.93	JUN 28	3.85	AUG 31	8.38
NOV 29	7.79	JAN 25	5.65	MAR 29	1.38	MAY 30	4.40	JUL 24	6.06	SEP 28	9.77

WATER YEAR 2001 HIGHEST 1.38 MAR 29, 2001 LOWEST 9.77 SEP 28, 2001



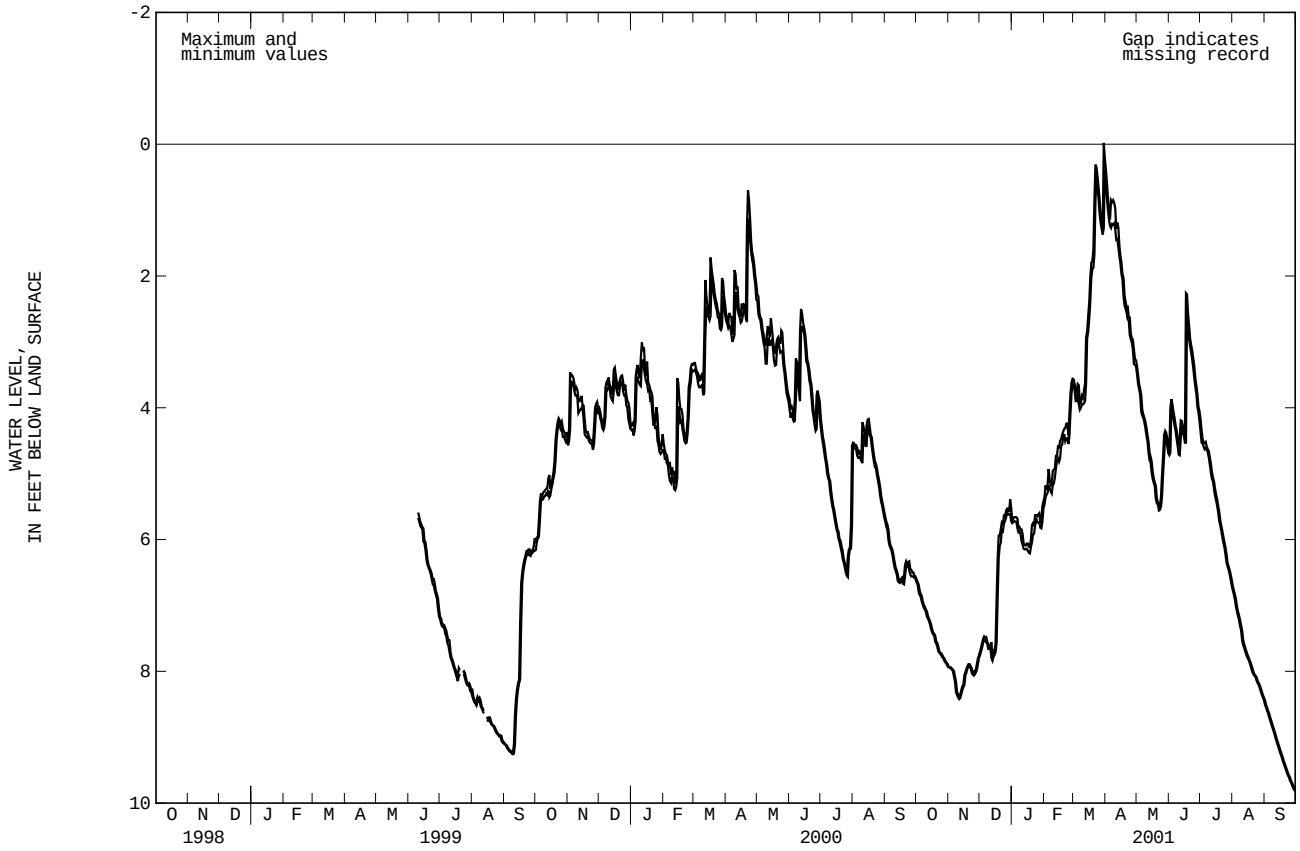
413535072253701. Local Number, MB 32--Continued

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.65	6.60	7.94	7.93	7.76	7.70	5.75	5.71	5.47	5.36	3.66	3.57
2	6.68	6.64	7.94	7.94	7.70	7.64	5.73	5.68	5.36	5.18	3.74	3.64
3	6.79	6.68	7.96	7.94	7.64	7.57	5.72	5.66	5.32	5.24	3.90	3.73
4	6.84	6.77	7.97	7.96	7.57	7.51	5.73	5.66	5.29	5.18	3.90	3.77
5	6.87	6.83	8.00	7.97	7.52	7.47	5.73	5.66	5.18	4.93	3.77	3.64
6	6.94	6.85	8.08	8.00	7.53	7.49	5.83	5.68	5.22	5.09	3.95	3.66
7	6.99	6.94	8.16	8.08	7.56	7.48	5.89	5.82	5.27	5.18	4.03	3.94
8	7.04	6.99	8.32	8.16	7.59	7.55	5.88	5.81	5.30	5.17	4.00	3.93
9	7.06	7.02	8.36	8.32	7.66	7.59	5.92	5.85	5.17	4.96	3.95	3.82
10	7.10	7.06	8.40	8.35	7.66	7.63	6.03	5.85	5.15	4.94	3.95	3.85
11	7.17	7.09	8.42	8.40	7.65	7.61	6.08	5.92	5.06	4.92	3.93	3.73
12	7.20	7.16	8.41	8.35	7.80	7.56	6.14	6.07	4.92	4.73	3.90	3.63
13	7.24	7.20	8.35	8.29	7.84	7.78	6.15	6.08	4.81	4.73	3.63	2.93
14	7.29	7.24	8.29	8.23	7.78	7.69	6.15	6.09	4.77	4.59	2.95	2.84
15	7.36	7.29	8.24	8.21	7.75	7.71	6.14	6.06	4.82	4.60	2.85	2.61
16	7.41	7.36	8.21	8.06	7.71	7.56	6.17	6.06	4.77	4.50	2.65	2.40
17	7.44	7.41	8.06	8.01	7.56	6.87	6.20	6.11	4.58	4.48	2.40	2.03
18	7.46	7.43	8.02	7.96	6.87	6.28	6.21	6.11	4.56	4.41	2.03	1.80
19	7.55	7.46	7.96	7.92	6.28	5.94	6.11	5.99	4.45	4.36	1.90	1.77
20	7.58	7.55	7.92	7.89	6.09	5.94	6.04	5.78	4.40	4.32	1.87	1.60
21	7.63	7.57	7.93	7.89	6.05	5.84	5.92	5.75	4.51	4.31	1.67	.85
22	7.70	7.63	7.95	7.92	5.85	5.74	5.91	5.78	4.47	4.24	.85	.31
23	7.72	7.70	8.02	7.95	5.87	5.76	5.78	5.63	4.46	4.24	.49	.35
24	7.74	7.72	8.05	8.02	5.76	5.64	5.68	5.63	4.55	4.42	.66	.49
25	7.76	7.73	8.06	8.05	5.72	5.65	5.74	5.65	4.43	4.08	.84	.66
26	7.79	7.76	8.05	7.99	5.67	5.57	5.74	5.62	4.08	3.78	1.06	.83
27	7.81	7.79	8.02	7.98	5.58	5.53	5.74	5.60	3.78	3.61	1.20	1.06
28	7.85	7.81	7.98	7.89	5.62	5.53	5.82	5.74	3.64	3.56	1.29	1.20
29	7.87	7.85	7.89	7.80	5.62	5.58	5.83	5.73	---	---	1.37	1.26
30	7.89	7.87	7.80	7.76	5.61	5.39	5.73	5.49	---	---	1.27	-.02
31	7.93	7.89	---	---	5.72	5.52	5.53	5.42	---	---	.39	.21
MONTH	7.93	6.60	8.42	7.76	7.84	5.39	6.21	5.42	5.47	3.56	4.03	-.02

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	.58	.38	3.50	3.37	4.72	4.67	4.36	4.17	6.77	6.70	8.51	8.44
2	.81	.58	3.64	3.50	4.68	4.00	4.53	4.34	6.83	6.77	8.55	8.51
3	1.00	.81	3.72	3.64	4.00	3.87	4.54	4.47	6.91	6.83	8.60	8.55
4	1.14	1.00	3.81	3.71	4.06	3.95	4.59	4.53	7.01	6.90	8.64	8.60
5	1.24	1.14	4.06	3.80	4.17	4.06	4.63	4.54	7.09	7.01	8.70	8.64
6	1.27	.85	4.12	4.03	4.27	4.15	4.61	4.52	7.16	7.09	8.75	8.70
7	1.21	.88	4.15	4.10	4.35	4.26	4.64	4.59	7.22	7.15	8.80	8.75
8	1.22	.85	4.22	4.15	4.47	4.34	4.68	4.63	7.31	7.22	8.85	8.80
9	1.20	.89	4.31	4.21	4.58	4.46	4.76	4.66	7.38	7.30	8.90	8.85
10	1.29	.97	4.42	4.30	4.71	4.58	4.87	4.76	7.53	7.38	8.95	8.90
11	1.45	1.28	4.51	4.41	4.72	4.45	4.99	4.85	7.60	7.52	9.01	8.95
12	1.44	1.19	4.68	4.51	4.45	4.19	5.08	4.98	7.65	7.59	9.06	9.01
13	1.56	1.26	4.80	4.68	4.29	4.20	5.12	5.06	7.70	7.64	9.11	9.06
14	1.70	1.54	4.83	4.74	4.37	4.28	5.24	5.12	7.75	7.69	9.16	9.11
15	1.81	1.69	4.98	4.81	4.43	4.34	5.34	5.23	7.79	7.74	9.21	9.16
16	1.97	1.80	5.08	4.97	4.53	4.42	5.41	5.32	7.82	7.78	9.26	9.21
17	2.06	1.97	5.14	5.07	4.53	2.26	5.49	5.39	7.86	7.82	9.30	9.26
18	2.31	2.03	5.19	5.13	2.59	2.28	5.59	5.49	7.91	7.86	9.36	9.30
19	2.45	2.30	5.38	5.18	2.77	2.57	5.72	5.58	7.97	7.91	9.40	9.36
20	2.50	2.39	5.45	5.37	2.96	2.75	5.79	5.71	8.02	7.96	9.45	9.40
21	2.56	2.48	5.47	5.44	3.07	2.95	5.87	5.79	8.05	8.01	9.49	9.45
22	2.66	2.47	5.56	5.45	3.16	3.05	5.97	5.87	8.07	8.05	9.54	9.49
23	2.67	2.62	5.55	5.50	3.27	3.13	6.05	5.96	8.09	8.07	9.58	9.54
24	2.90	2.63	5.50	5.34	3.40	3.25	6.12	6.04	8.15	8.09	9.61	9.58
25	2.96	2.88	5.34	5.01	3.55	3.37	6.23	6.12	8.18	8.15	9.66	9.61
26	3.01	2.94	5.01	4.73	3.68	3.55	6.35	6.22	8.21	8.18	9.69	9.66
27	3.12	2.97	4.73	4.41	3.79	3.66	6.41	6.35	8.26	8.21	9.73	9.69
28	3.34	3.12	4.42	4.35	3.99	3.79	6.46	6.41	8.31	8.26	9.77	9.73
29	3.35	3.26	4.48	4.38	4.07	3.98	6.53	6.46	8.36	8.31	9.80	9.77
30	3.37	3.28	4.58	4.46	4.20	4.05	6.61	6.53	8.40	8.36	9.82	9.80
31	---	---	4.69	4.56	---	---	6.70	6.61	8.44	8.40	---	---
MONTH	3.37	.38	5.56	3.37	4.72	2.26	6.70	4.17	8.44	6.70	9.82	8.44
YEAR	9.82	-.02										

413535072253701. Local Number, MB 32--Continued



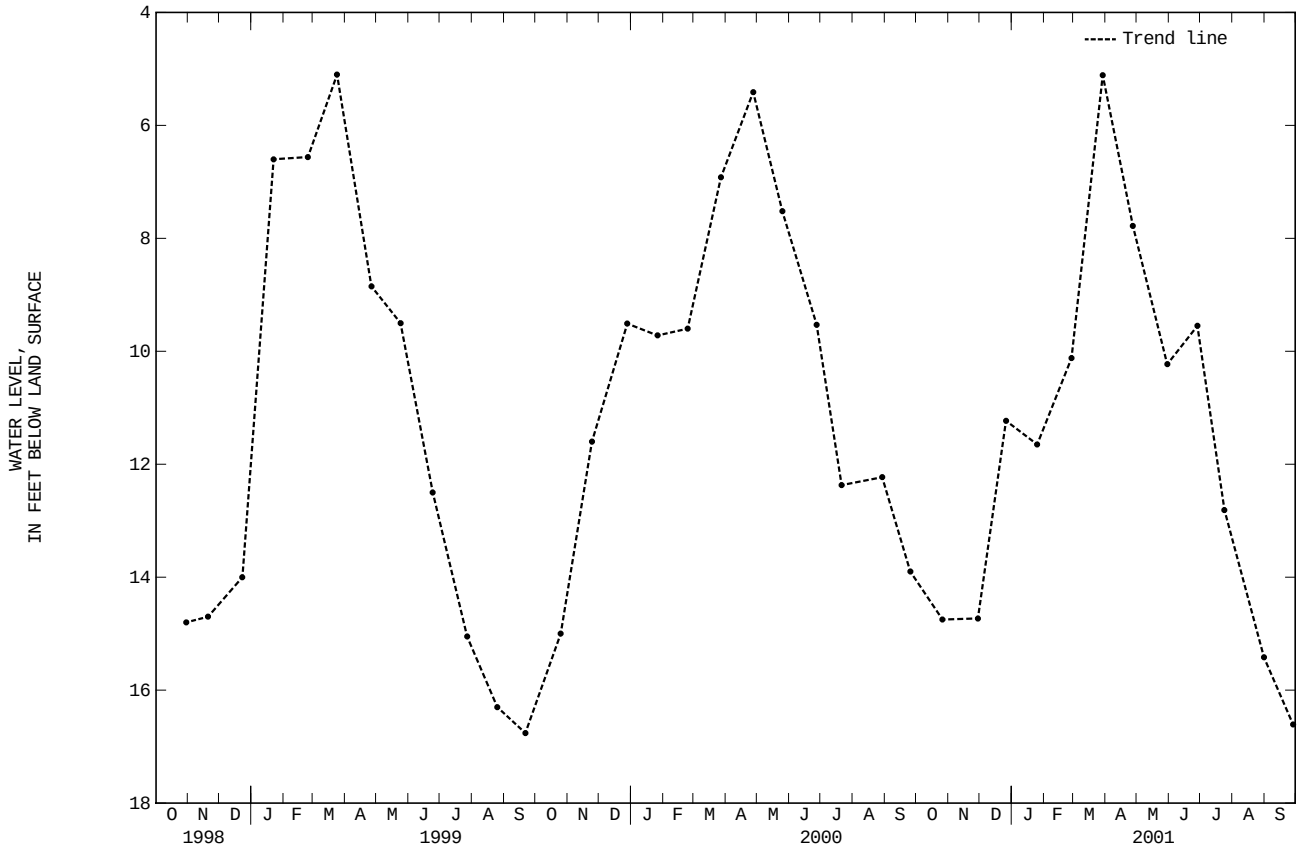
413554072270201. Local Number, MB 35.

LOCATION.--Lat 41°35'54", long 72°27'02", Hydrologic Unit 01080205, Ogden Lord Road, 1 mi north of Colchester Town line, 20 ft west of road, Marlborough; Moodus quadrangle. Owner: State of Connecticut.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 20.5 ft, PVC casing, screened 15.5 to 20.5 ft.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 515 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 18.74 ft below land-surface datum, Oct. 28, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	14.75	DEC 26	11.23	FEB 27	10.12	APR 27	7.78	JUN 28	9.55	AUG 31	15.42
NOV 29	14.73	JAN 25	11.65	MAR 29	5.11	MAY 30	10.23	JUL 24	12.81	SEP 28	16.61

WATER YEAR 2001 HIGHEST 5.11 MAR 29, 2001 LOWEST 16.61 SEP 28, 2001



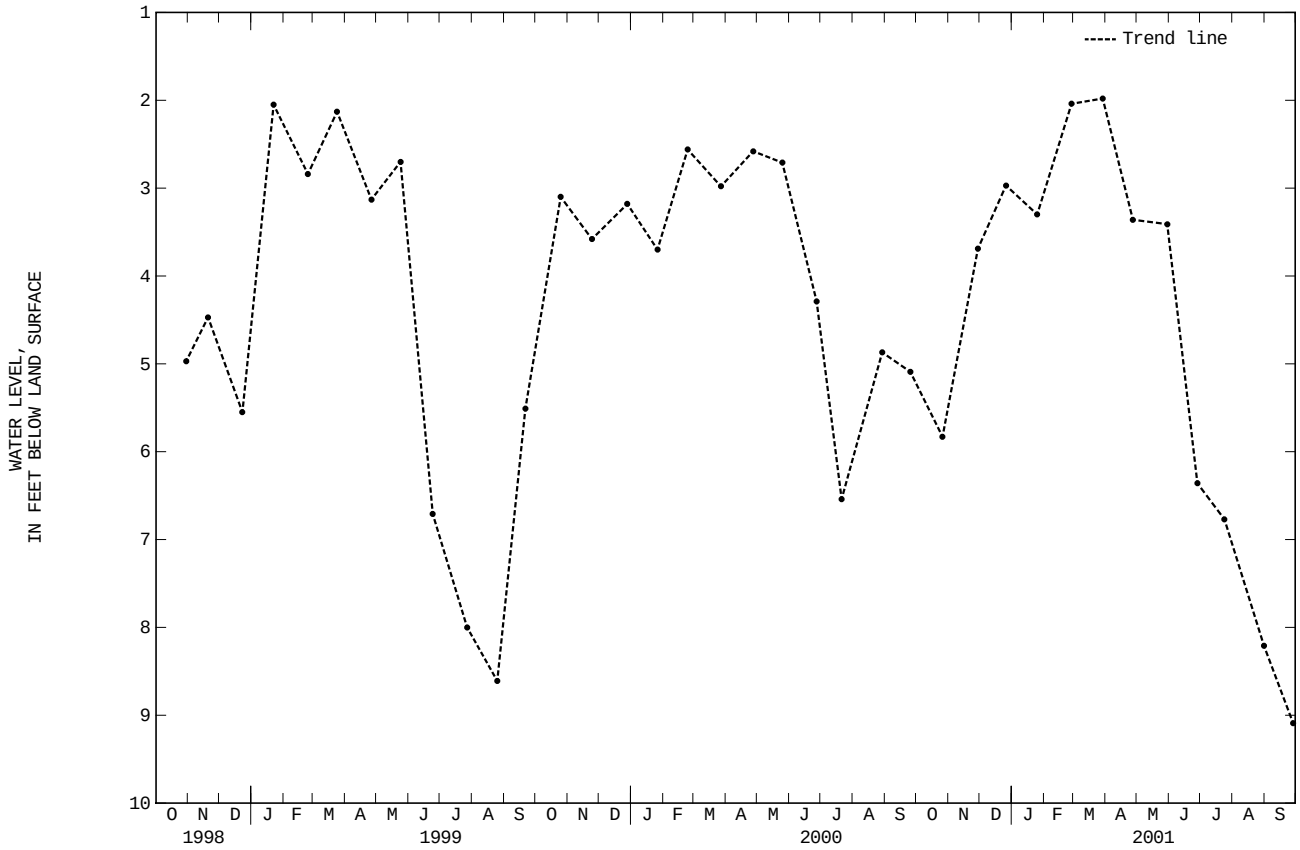
413518072264501. Local Number, MB 36.

LOCATION.--Lat 41°35'18", long 72°26'45", Hydrologic Unit 01080205, Ogden Lord Road, 1,000 ft north of Colchester Town line. 60 ft west of road, Marlborough; Moodus quadrangle. Owner: State of Connecticut.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 18.55 ft, PVC casing, screened 13.55 to 18.55 ft.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 485 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft below land-surface datum, Nov. 24, 1996; lowest water level measured, 9.69 ft below land-surface datum, Sep. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	5.83	DEC 26	2.97	FEB 27	2.04	APR 27	3.36	JUN 28	6.36	AUG 31	8.21
NOV 29	3.69	JAN 25	3.30	MAR 29	1.98	MAY 30	3.41	JUL 24	6.77	SEP 28	9.09

WATER YEAR 2001 HIGHEST 1.98 MAR 29, 2001 LOWEST 9.09 SEP 28, 2001



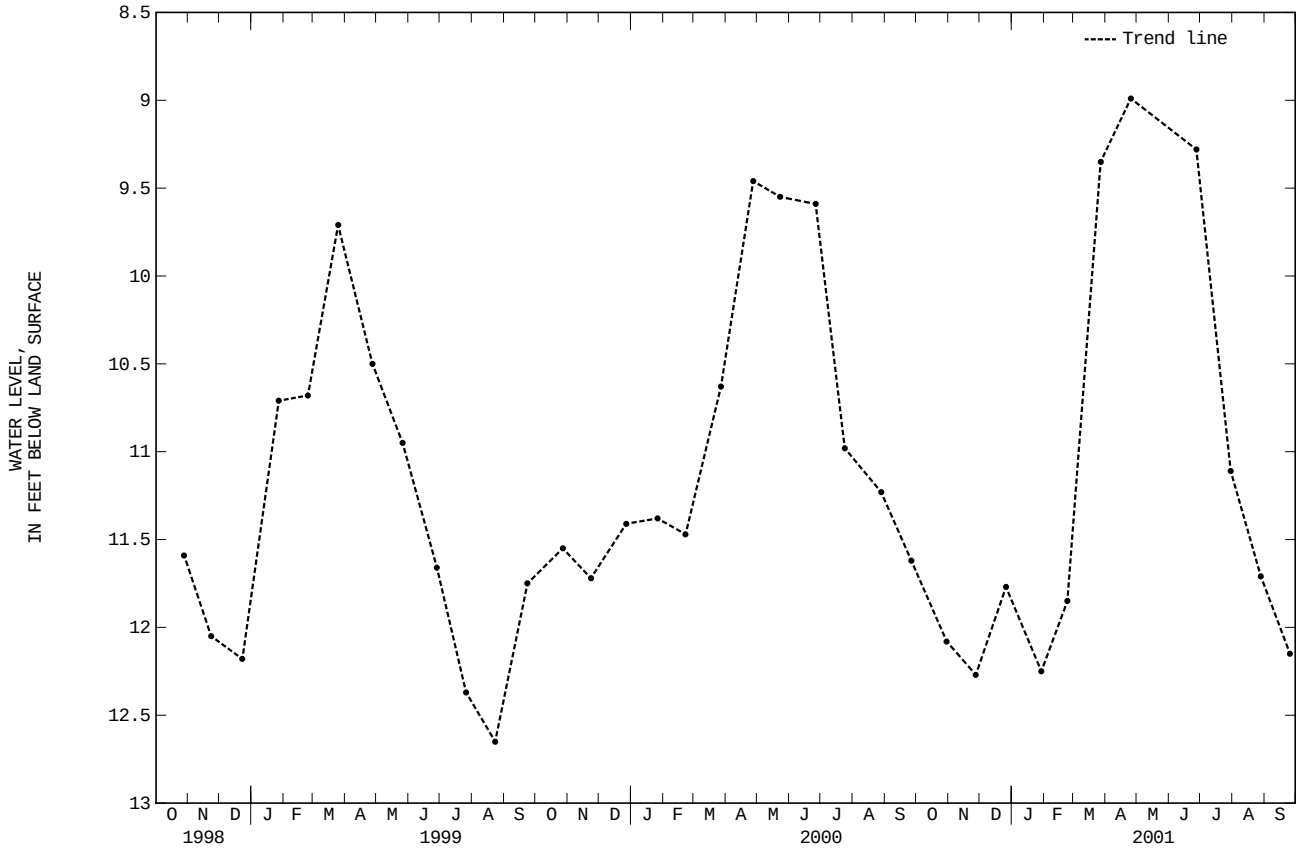
414910072372101. Local Number, SW 64.

LOCATION.--Lat 41°49'10", long 72°37'21", Hydrologic Unit 01080205, 15 ft north of apartment building at 652-9 Main St. in grass lawn, South Windsor; Manchester quadrangle. Owner: Frank Pierce, Jr.
AQUIFER.--Stratified drift of Pleistocene age (sand).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 18 ft, brick-lined.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Top edge of hole in flagstone cover, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--October 1934 to September 1939 and October 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.12 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 15.22 ft below land-surface datum, Jan. 26, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	12.08	DEC 26	11.77	FEB 23	11.85	APR 25	8.99	JUL 30	11.11	SEP 25	12.15
NOV 27	12.27	JAN 29	12.25	MAR 27	9.35	JUN 27	9.28	AUG 28	11.71		

WATER YEAR 2001 HIGHEST 8.99 APR 25, 2001 LOWEST 12.27 NOV 27, 2000



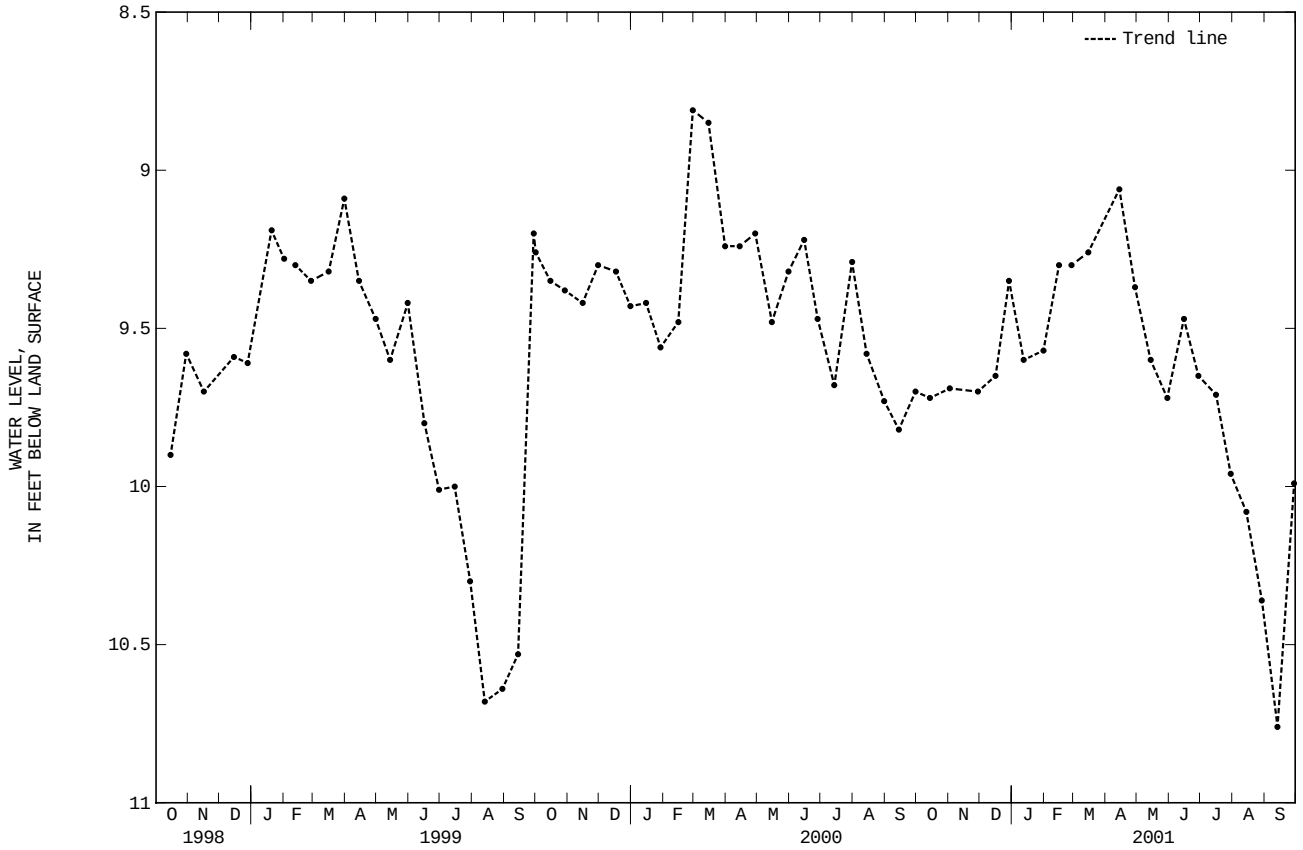
420125073193001. Local Number, NOC 7.

LOCATION.--Lat 42°01'25", long 73°19'30", Hydrologic Unit 01100005, 300 ft south and 75 ft west of junction of State Rts. 7 and 44, North Canaan; Ashley Falls quadrangle. Owner: James Lyle.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 12 ft, fieldstone-lined.
INSTRUMENTATION.--Measurements made weekly, July 18, 1988 to August 31, 1989. Prior to July 18, 1988 measured monthly; since August 31, 1989 measured biweekly with a chalked tape by observer.
DATUM.--Elevation of land-surface datum is 676 ft above sea level, from topographic map. Measuring point: Top of small curving knob on rock, north side, at land-surface datum.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.40 ft below land-surface datum, Nov. 23 and Dec. 8, 1984; lowest water level measured, dry (lower than 12 ft below land-surface datum) on Sep. 15, 29, and Oct. 6, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 14	9.72	DEC 29	9.35	FEB 27	9.30	MAY 14	9.60	JUL 16	9.71	SEP 13	10.76
NOV 02	9.69	JAN 12	9.60	MAR 15	9.26	30	9.72	30	9.96	29	9.99
29	9.70	31	9.57	APR 14	9.06	JUN 15	9.47	AUG 14	10.08		
DEC 16	9.65	FEB 15	9.30	29	9.37	29	9.65	29	10.36		

WATER YEAR 2001 HIGHEST 9.06 APR 14, 2001 LOWEST 10.76 SEP 13, 2001



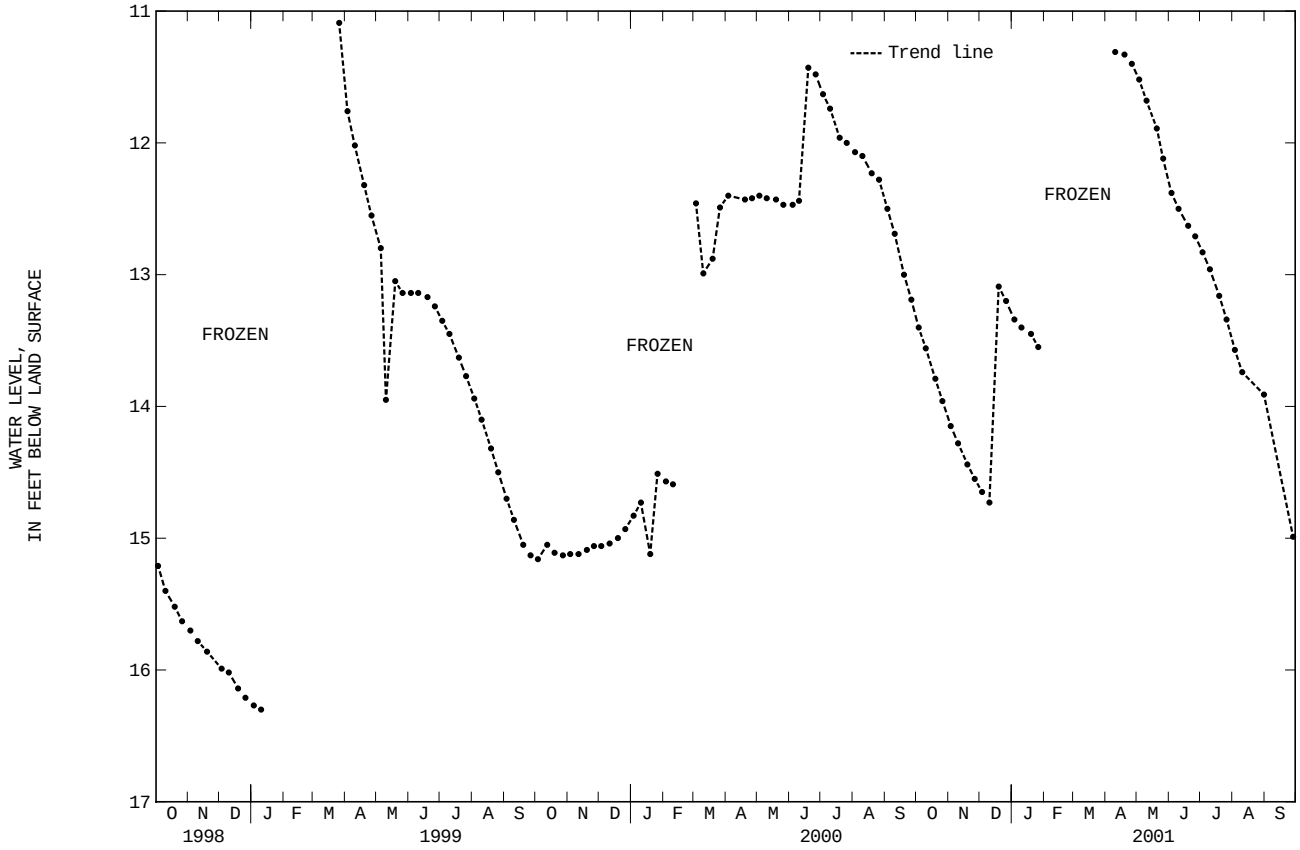
415925073252001. Local Number, SY 15.

LOCATION.--Lat 41°59'25", long 73°25'20", Hydrologic Unit 01100005; 800 ft east of State Rt. 41 On Lower Cobble Rd., 8 ft south of pavement and 10 ft east of fence, Salisbury; Sharon quadrangle. Owner: Town of Salisbury
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water table well, diameter 2 in, depth 27.4 ft, PVC casing, screened 24 to 27.4 ft.
INSTRUMENTATION.--From December 1966 to July 2001, measurements made weekly with a chalked tape by paid observer; since August 2001, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 695 ft above sea level, from topographic map. Measuring point: At land-surface datum.
PERIOD OF RECORD.--December 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, Mar. 28, 1993; lowest water level measured, 17.10 ft below land-surface datum, Dec. 10 & 26, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 03	13.40	DEC 03	14.65	FEB 04	frozen	APR 03	frozen	JUN 03	12.38	AUG 03	13.57
10	13.56	10	14.73	11	frozen	10	11.31	10	12.50	10	13.74
19	13.79	19	13.09	19	frozen	19	11.33	19	12.63	31	13.91
26	13.96	26	13.20	26	frozen	26	11.40	26	12.71	SEP 28	14.99
NOV 03	14.15	JAN 03	13.34	MAR 03	frozen	MAY 03	11.52	JUL 03	12.83		
10	14.28	10	13.40	10	frozen	10	11.68	10	12.96		
19	14.44	19	13.45	19	frozen	20	11.89	19	13.16		
26	14.55	26	13.55	26	frozen	26	12.12	26	13.34		

WATER YEAR 2001 HIGHEST 11.31 APR 10, 2001 LOWEST 14.99 SEP 28, 2001



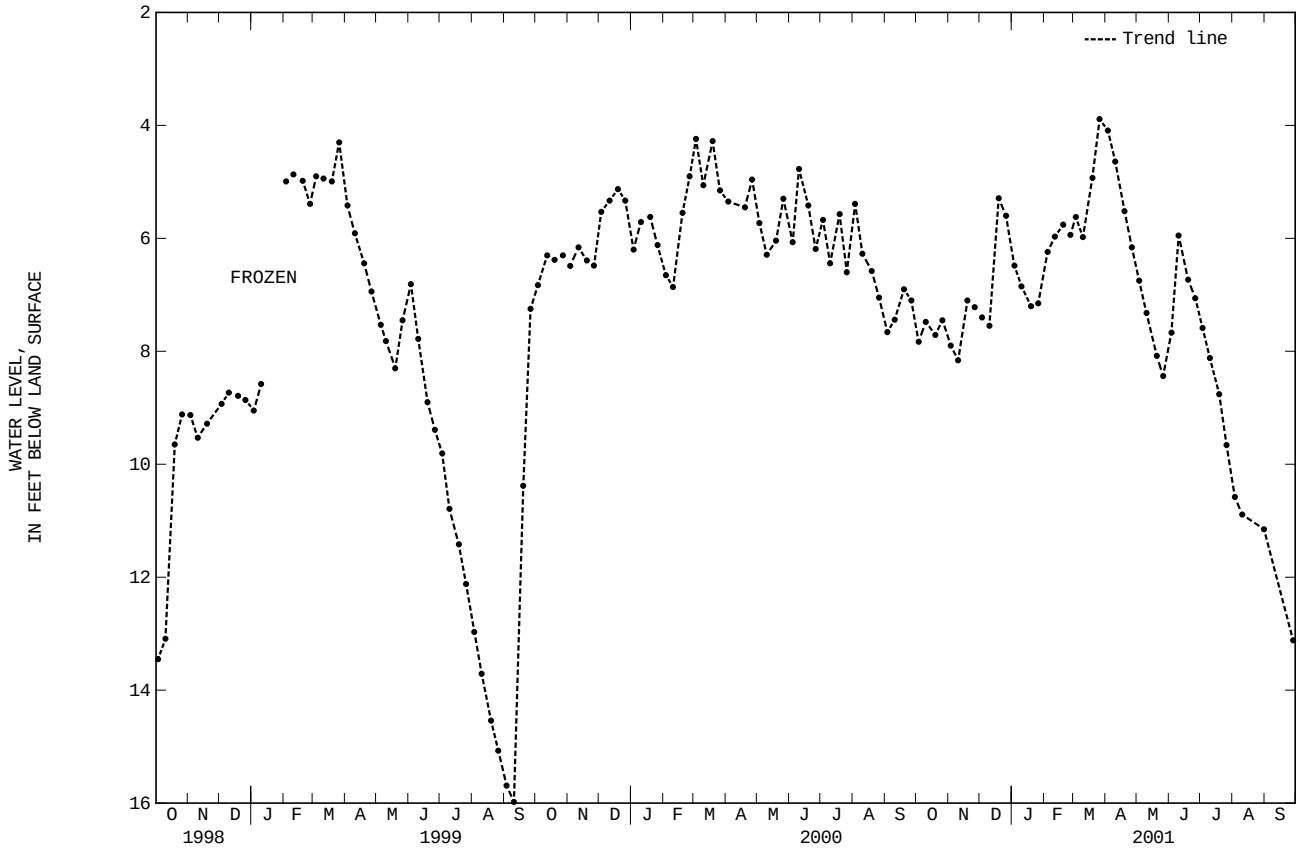
415559073253401. Local Number, SY 23.

LOCATION.--Lat 41°55'59", long 73°25'34", Hydrologic Unit 01100005; 450 ft south of junction of Race Track Rd. on State Rt. 112, 30 ft southwest of pavement and 10 ft east of woods, Salisbury; Sharon quadrangle. Owner: Connecticut Department of Transportation.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.-- Augered, unused, water-table well, diameter 2 in, depth 51 ft, PVC casing, screened 48 to 51 ft.
INSTRUMENTATION.--From December 1987 to July 2001, measurements made weekly with a chalked tape by paid observer; since August 2001, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 939 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--December 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.87 ft below land-surface datum, Apr. 3, 1993; lowest water level measured, 17.37 ft below land-surface datum, Sep. 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 03	7.83	DEC 03	7.40	FEB 04	6.24	APR 03	4.09	JUN 03	7.67	AUG 03	10.58
10	7.48	10	7.55	11	5.97	10	4.64	10	5.95	10	10.89
19	7.71	19	5.29	19	5.76	19	5.52	19	6.73	31	11.15
26	7.45	26	5.60	26	5.94	26	6.16	26	7.06	SEP 28	13.12
NOV 03	7.90	JAN 03	6.48	MAR 03	5.62	MAY 03	6.75	JUL 03	7.59		
10	8.16	10	6.85	10	5.98	10	7.32	10	8.12		
19	7.10	19	7.20	19	4.93	20	8.08	19	8.76		
26	7.22	26	7.15	26	3.89	26	8.44	26	9.66		

WATER YEAR 2001 HIGHEST 3.89 MAR 26, 2001 LOWEST 13.12 SEP 28, 2001



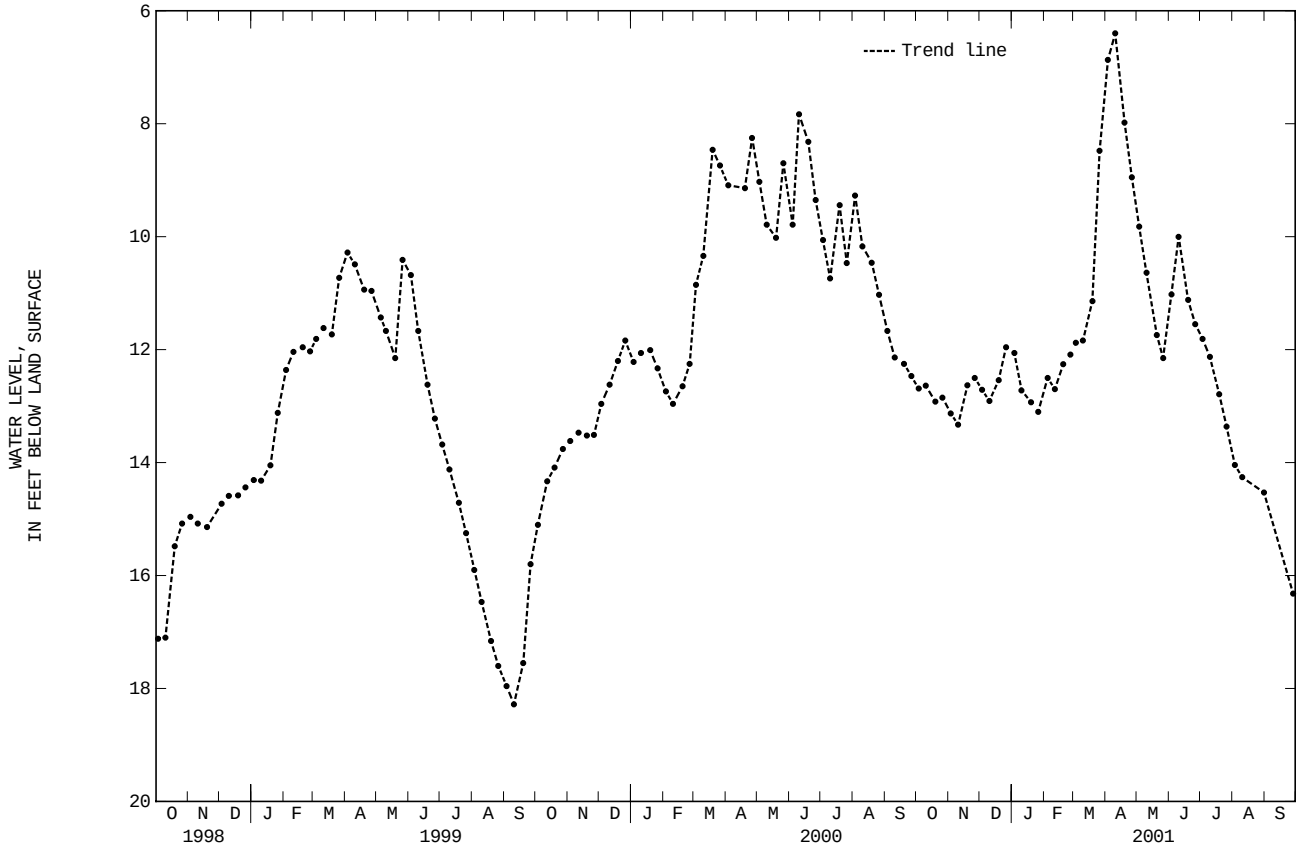
415956073241501. Local Number SY 24.

LOCATION.--Lat 41°59'56", long 73°24'15", Hydrologic Unit 01100005; near junction of State Rt. 44 and Taconic Rd., 115 ft north of Rt. 44 and 50 ft east of Taconic Rd., 5 ft north of fence, Salisbury; Sharon quadrangle. Owner: Town of Salisbury.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.-- Augered, unused, water-table well, diameter 2 in, depth 28.7 ft, PVC casing, screened 25.7 to 28.7 ft.
INSTRUMENTATION.--From December 1986 to July 2001, measurements made weekly with a chalked tape by paid observer; since August 2001, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 815 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--December 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.36 ft below land-surface datum, Apr. 2, 1994; lowest water level measured, 19.39 ft below land-surface datum, Oct. 04, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 03	12.69	DEC 03	12.71	FEB 04	12.50	APR 03	6.87	JUN 03	11.02	AUG 03	14.04
10	12.64	10	12.91	11	12.70	10	6.40	10	10.00	10	14.26
19	12.92	19	12.54	19	12.26	19	7.98	19	11.12	31	14.53
26	12.85	26	11.96	26	12.09	26	8.95	26	11.55	SEP 28	16.32
NOV 03	13.13	JAN 03	12.06	MAR 03	11.88	MAY 03	9.82	JUL 03	11.81		
10	13.33	10	12.72	10	11.84	10	10.64	10	12.13		
19	12.63	19	12.93	19	11.14	20	11.74	19	12.79		
26	12.50	26	13.10	26	8.48	26	12.15	26	13.36		

WATER YEAR 2001 HIGHEST 6.40 APR 10, 2001 LOWEST 16.32 SEP 28, 2001



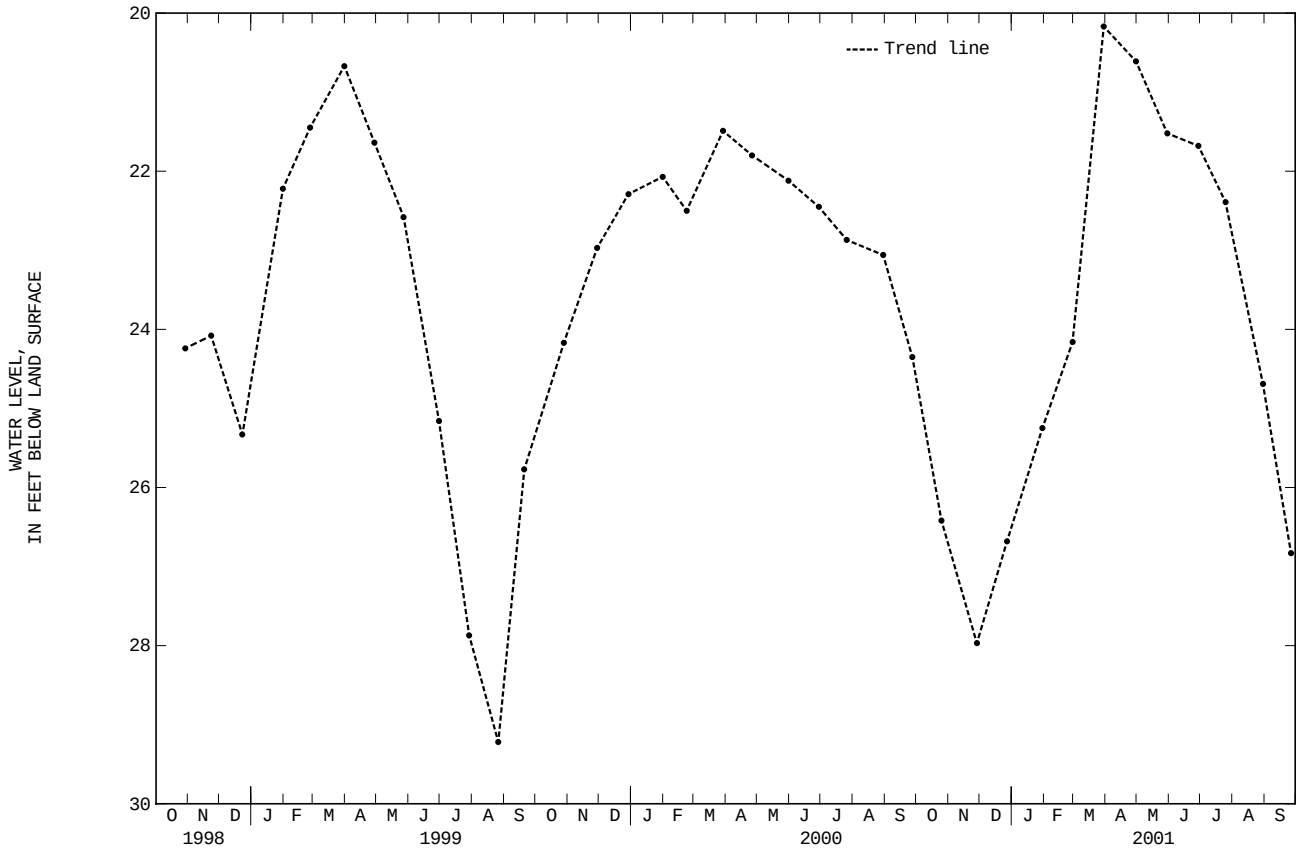
413202073122401. Local Number, WY 1.

LOCATION.--Lat 41°32'02", long 73°12'24", Hydrologic Unit 01100005, about 75 ft east of Main St. and 21 ft north of Irene Thulin House and about 500 ft south of Orenaug Rd., Woodbury; Woodbury quadrangle. Owner: Peter Miller.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, fieldstone-lined, diameter 30 in, depth 31 ft (formerly 34.2 ft).
INSTRUMENTATION.--Analog recorder installed Oct. 5, 1965; removed May 18, 1970; ADR water-level recorder with 60-minute punch installed May 7, 1986 and removed December 28, 1987. Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 270 ft above sea level, from topographic map. Measuring point: Top of plywood cover, 2.53 ft above land-surface datum.
REMARKS.--Water level data available October 1913 through December 1916, not included in period of record due to lack of documentation of measuring point height.
PERIOD OF RECORD.--October 1913 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 33.50 ft below land-surface datum, Oct. 10, 1914.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	26.42	DEC 27	26.68	FEB 28	24.16	APR 30	20.61	JUN 29	21.68	AUG 30	24.69
NOV 28	27.97	JAN 30	25.25	MAR 30	20.17	MAY 30	21.52	JUL 25	22.39	SEP 26	26.83

WATER YEAR 2001 HIGHEST 20.17 MAR 30, 2001 LOWEST 27.97 NOV 28, 2000



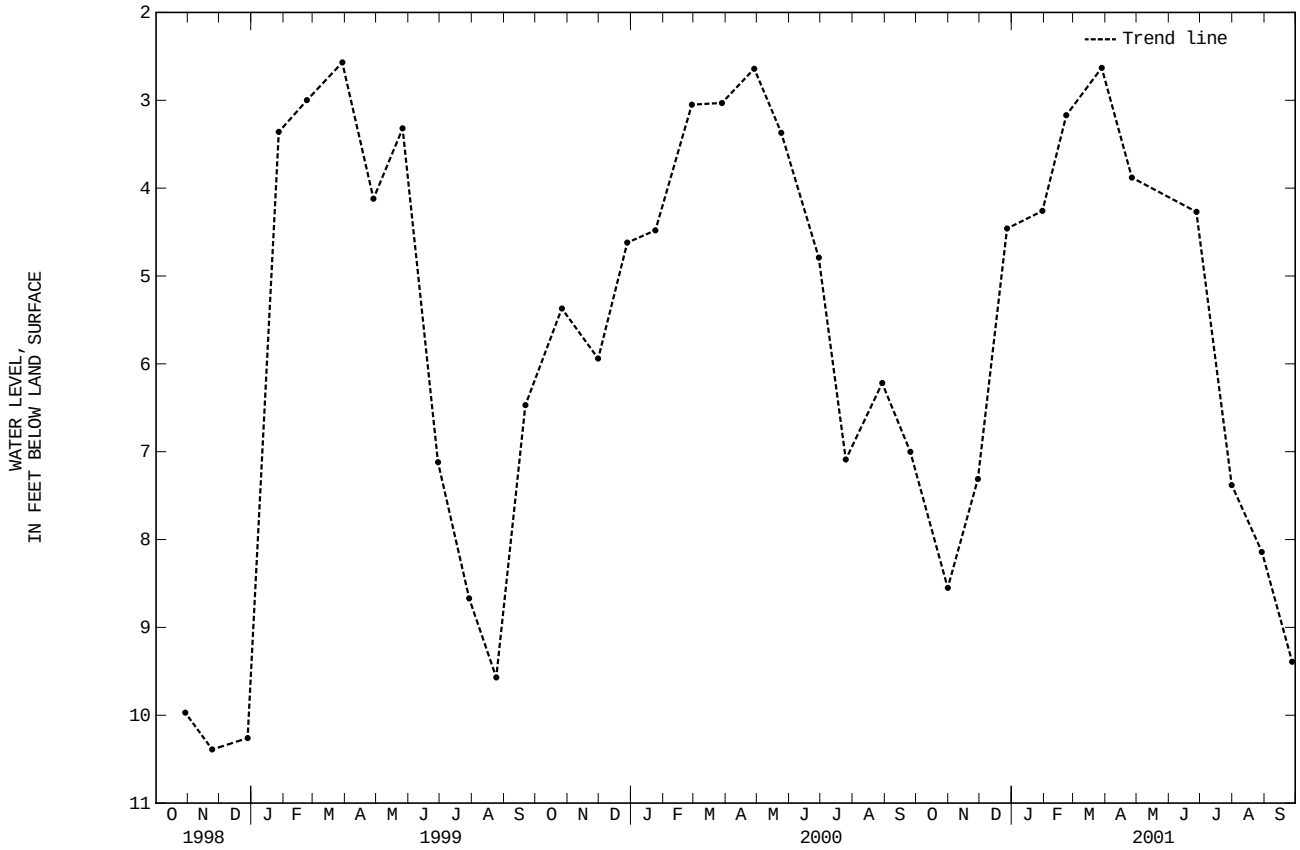
411832072325501. Local number, CL 223.

LOCATION.--Lat 41°18'32", long 72°32'55", Hydrologic Unit 01100004, 50 ft west of intersection of Cow Hill Rd. and Sassafrass Dr., 10 ft south of curb, at tree line, Clinton; Clinton quadrangle. Owner: Town of Clinton.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 64 ft, PVC casing, screened 59 to 64 ft.
INSTRUMENTATION.--From October 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 205 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.08 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.37 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 12.43 ft below land-surface datum, Oct. 30, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	8.55	DEC 27	4.46	FEB 22	3.17	APR 26	3.88	JUL 31	7.38	SEP 27	9.39
NOV 29	7.31	JAN 30	4.26	MAR 28	2.63	JUN 27	4.27	AUG 29	8.14		

WATER YEAR 2001 HIGHEST 2.63 MAR 28, 2001 LOWEST 9.39 SEP 27, 2001



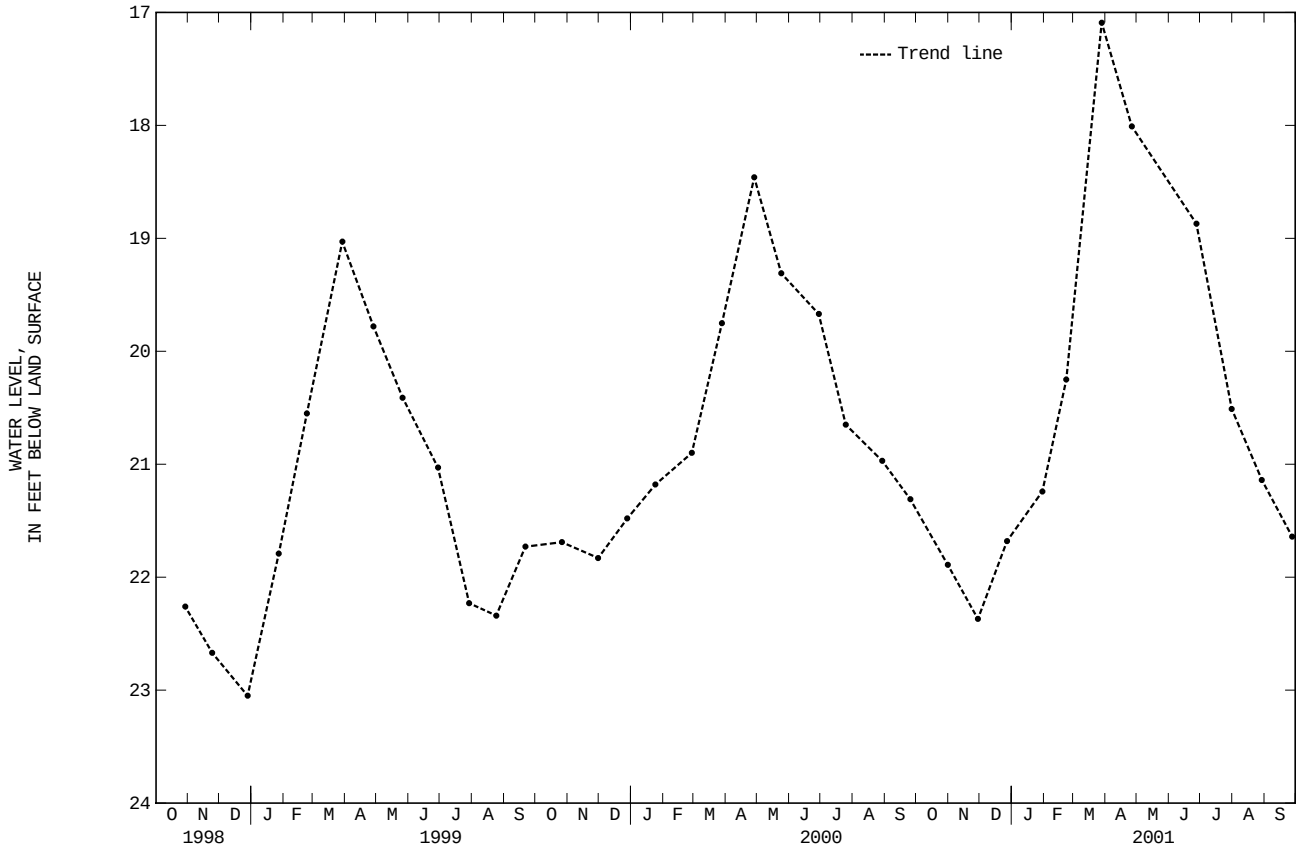
411826072322401. Local number, CL 224.

LOCATION.--Lat 41°18'26", long 72°32'24", Hydrologic Unit 01100004, east end of Colonial Dr., well is 20 ft east of curb at storm drain, Clinton; Clinton quadrangle. Owner: Town of Clinton.
AQUIFER.-- Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 25 ft, PVC casing, screened 20 to 25 ft.
INSTRUMENTATION.--From October 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.57 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.93 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 23.11 ft below land-surface datum, Oct. 30, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	21.89	DEC 27	21.68	FEB 22	20.25	APR 26	18.01	JUL 31	20.51	SEP 27	21.64
NOV 29	22.37	JAN 30	21.24	MAR 28	17.09	JUN 27	18.87	AUG 29	21.14		

WATER YEAR 2001 HIGHEST 17.09 MAR 28, 2001 LOWEST 22.37 NOV 29, 2000



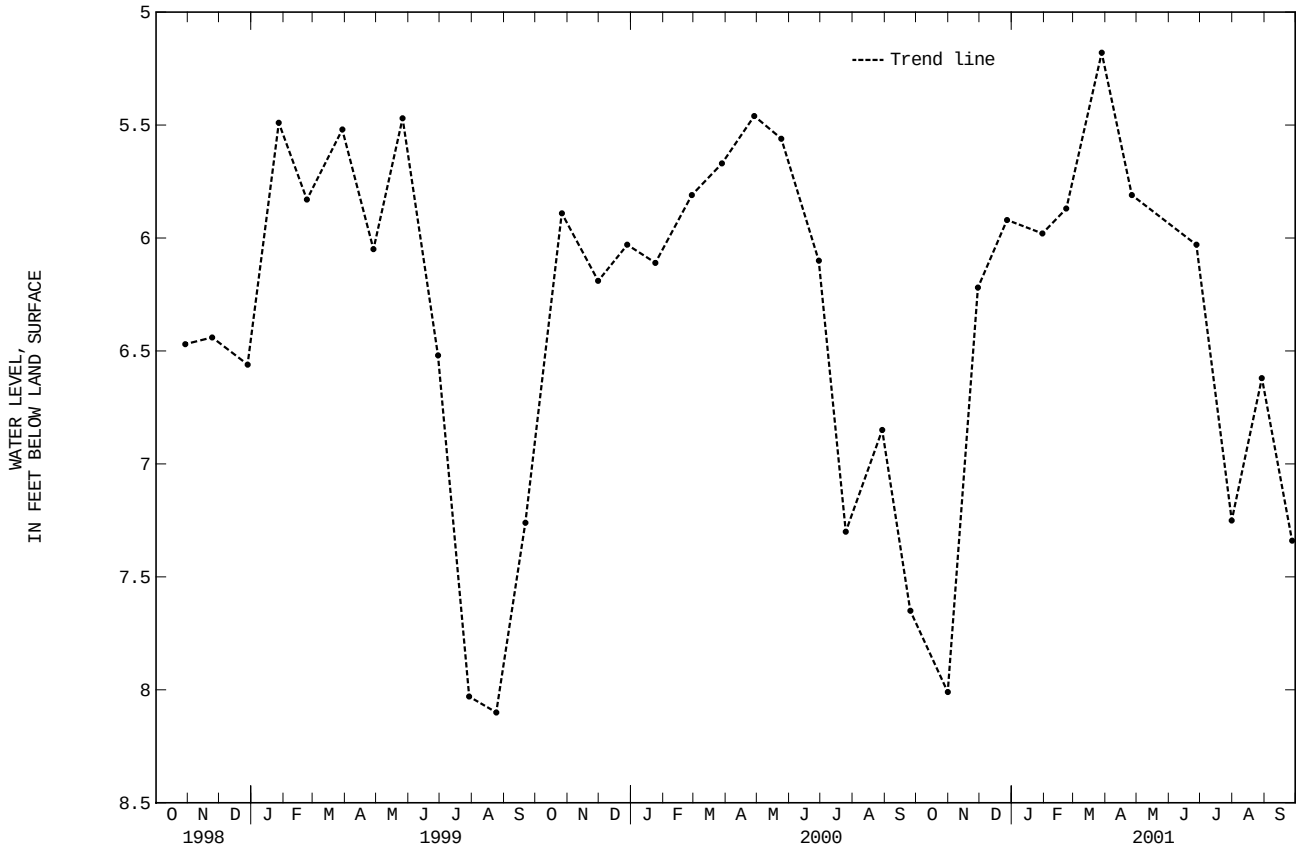
411735072315001. Local number, CL 225.

LOCATION.--Lat 41°17'35", long 72°31'50", Hydrologic Unit 01100004, about 200 ft south of the intersection of Cow Hill Rd. and Route 81, well is 200 ft east of Route 81 at edge of field behind the chain link fence, Clinton; Clinton quadrangle. Owner: Town of Clinton, Board of Education.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 30 ft, PVC casing, screened 25 to 30 ft.
INSTRUMENTATION.--From December 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.88 ft above land-surface datum.
PERIOD OF RECORD.-- December 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.80 ft below land-surface datum, Aug. 31, 1998; lowest water level measured, 10.39 ft below land-surface datum, Sep. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	8.01	DEC 27	5.92	FEB 22	5.87	APR 26	5.81	JUL 31	7.25	SEP 27	7.34
NOV 29	6.22	JAN 30	5.98	MAR 28	5.18	JUN 27	6.03	AUG 29	6.62		

WATER YEAR 2001 HIGHEST 5.18 MAR 28, 2001 LOWEST 8.01 OCT 31, 2000



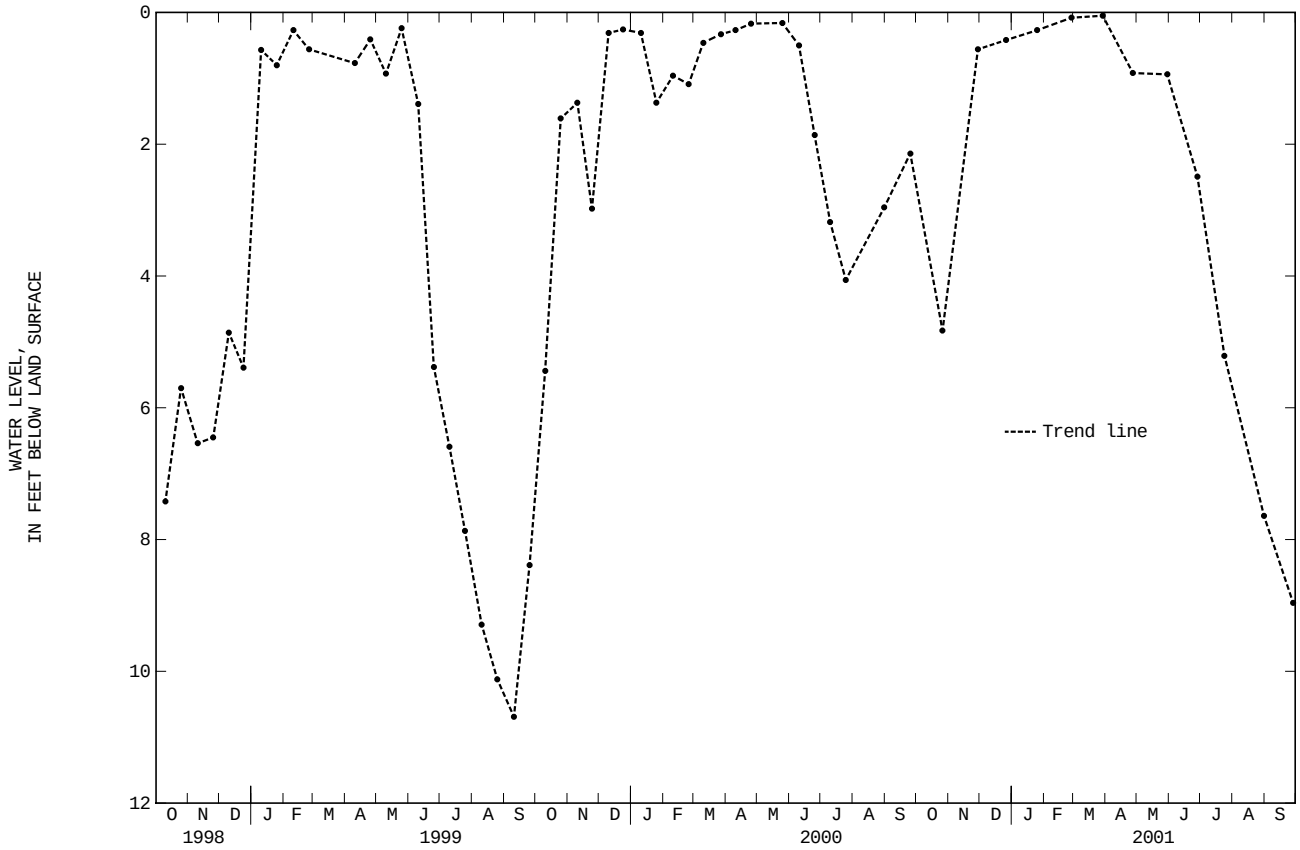
412809072420701. Local Number, D 116.

LOCATION.--Lat 41°28'09", long 72°42'07", Hydrologic Unit 01080205, in schoolyard of Brewster School about 100 ft east of Tuttle St. and about 2,400 ft south of State Route 68, Durham; Durham quadrangle. Owner: Town of Durham, Board of Education, Brewster School.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 23.8 ft, PVC casing, screened 21.5 to 23 ft.
INSTRUMENTATION.--From January 1986 to July 2000, measurements made biweekly with a chalked tape by paid observer; since August 2000, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 241 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.27 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.02 ft above land-surface datum, June 10, 1989; lowest water level measured, 10.69 ft below land-surface datum, Sep. 10, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	4.83	DEC 26	.42	FEB 27	.08	APR 27	.92	JUN 28	2.49	AUG 31	7.64
NOV 29	.56	JAN 25	.27	MAR 29	.05	MAY 30	.94	JUL 24	5.21	SEP 28	8.96

WATER YEAR 2001 HIGHEST .05 MAR 29, 2001 LOWEST 8.96 SEP 28, 2001



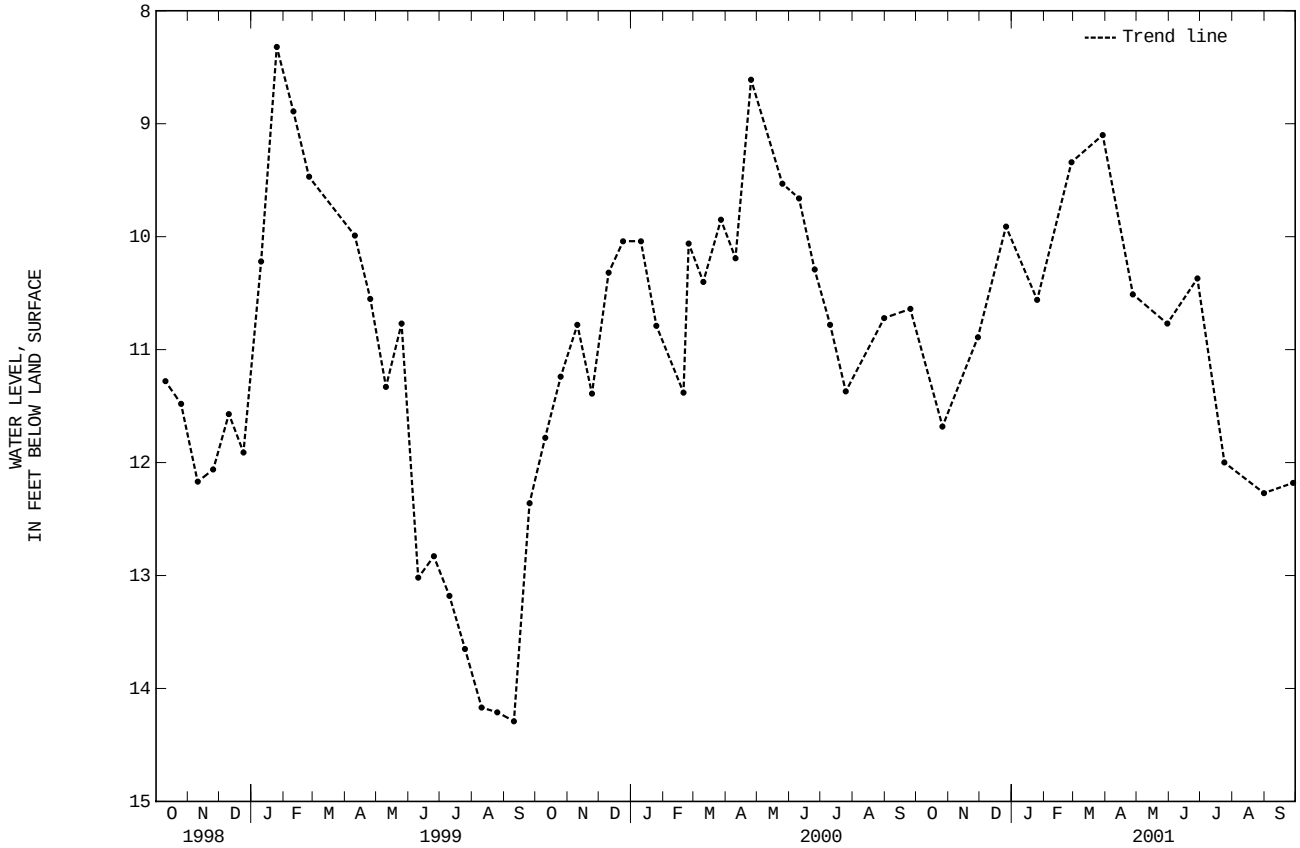
412825072410501. Local Number, D 117.

LOCATION.--Lat 41°28'25", long 72°41'05", Hydrologic Unit 01080205, about 400 ft west of Maple Ave. and about 300 ft south of Allyn Brook, Durham; Durham quadrangle. Owner: Town of Durham, Fair Grounds Association.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 22.5 ft, PVC casing, screened 21 to 22.5 ft.
INSTRUMENTATION.--From January 1986 to July 2000, measurements made biweekly with a chalked tape by paid observer; since August 2000, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 162 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 1.35 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.34 ft below land-surface datum Dec. 9, 1996; lowest water level measured, 14.48 ft below land-surface datum, Aug. 26, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	11.68	DEC 26	9.91	FEB 27	9.34	APR 27	10.51	JUN 28	10.37	AUG 31	12.27
NOV 29	10.89	JAN 25	10.56	MAR 29	9.10	MAY 30	10.77	JUL 24	12.00	SEP 28	12.18

WATER YEAR 2001 HIGHEST 9.10 MAR 29, 2001 LOWEST 12.27 AUG 31, 2001



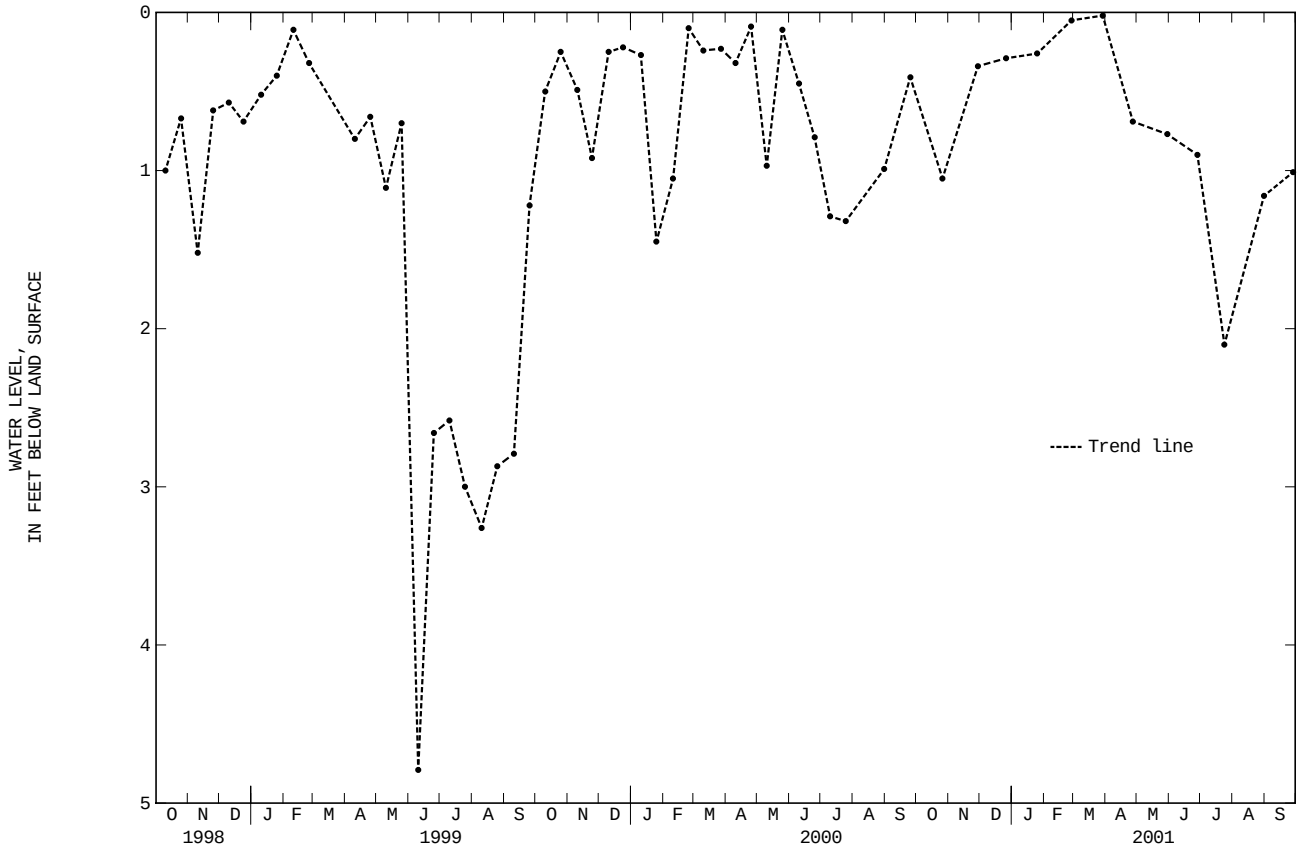
412824072411902. Local Number, D 119.

LOCATION.--Lat 41°28'24", long 72°41'19", Hydrologic Unit 01080205, about 1,600 ft west of Maple Ave. and about 400 ft south of Allyn Brook at northeast corner of parking area at end of gravel road, Durham; Durham quadrangle. Owner: Town of Durham.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 23 ft, PVC casing, screened 20 to 23 ft.
INSTRUMENTATION.--From January 1986 to July 2000, measurements made biweekly with a chalked tape by paid observer; since August 2000, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 157 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.42 ft above land-surface datum.
REMARKS.--Shallow, southern well of pair.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.12 ft above land-surface datum, Mar. 12, 1994; lowest level measured, 4.79 ft below land-surface datum, June 10, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	1.05	DEC 26	.29	FEB 27	.05	APR 27	.69	JUN 28	.90	AUG 31	1.16
NOV 29	.34	JAN 25	.26	MAR 29	.02	MAY 30	.77	JUL 24	2.10	SEP 28	1.01

WATER YEAR 2001 HIGHEST .02 MAR 29, 2001 LOWEST 2.10 JUL 24, 2001



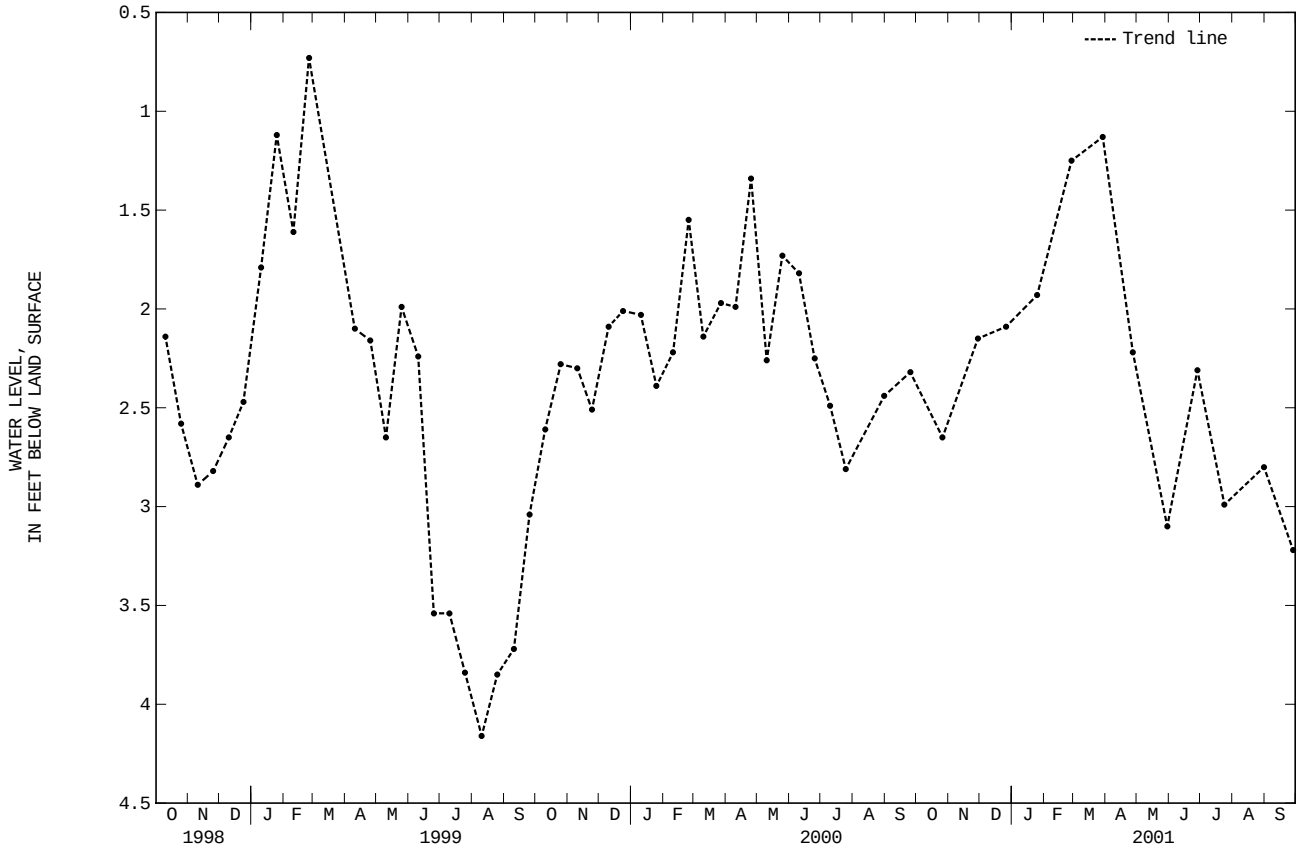
412824072411901. Local Number, D 120.

LOCATION.--Lat 41°28'24", long 72°41'19", Hydrologic Unit 01080205, about 1,600 ft west of Maple Ave. and about 400 ft south of Allyn Brook at northeast corner of parking area at end of gravel road, Durham; Durham quadrangle. Owner: Town of Durham.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 50 ft, PVC casing, screened 47 to 50 ft.
INSTRUMENTATION.--From January 1986 to July 2000, measurements made biweekly with a chalked tape by paid observer; since August 2000, measurements made monthly by USGS personnel.
DATUM.--Elevation of land-surface datum is 157 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.42 ft above land-surface datum.
REMARKS.--Deep, northern well of pair.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.06 ft above land-surface datum, Mar. 10, 1998; lowest water level measured, 4.37 ft below land-surface datum, Sep. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	2.65	DEC 26	2.09	FEB 27	1.25	APR 27	2.22	JUN 28	2.31	AUG 31	2.80
NOV 29	2.15	JAN 25	1.93	MAR 29	1.13	MAY 30	3.10	JUL 24	2.99	SEP 28	3.22

WATER YEAR 2001 HIGHEST 1.13 MAR 29, 2001 LOWEST 3.22 SEP 28, 2001



MIDDLESEX COUNTY--Continued

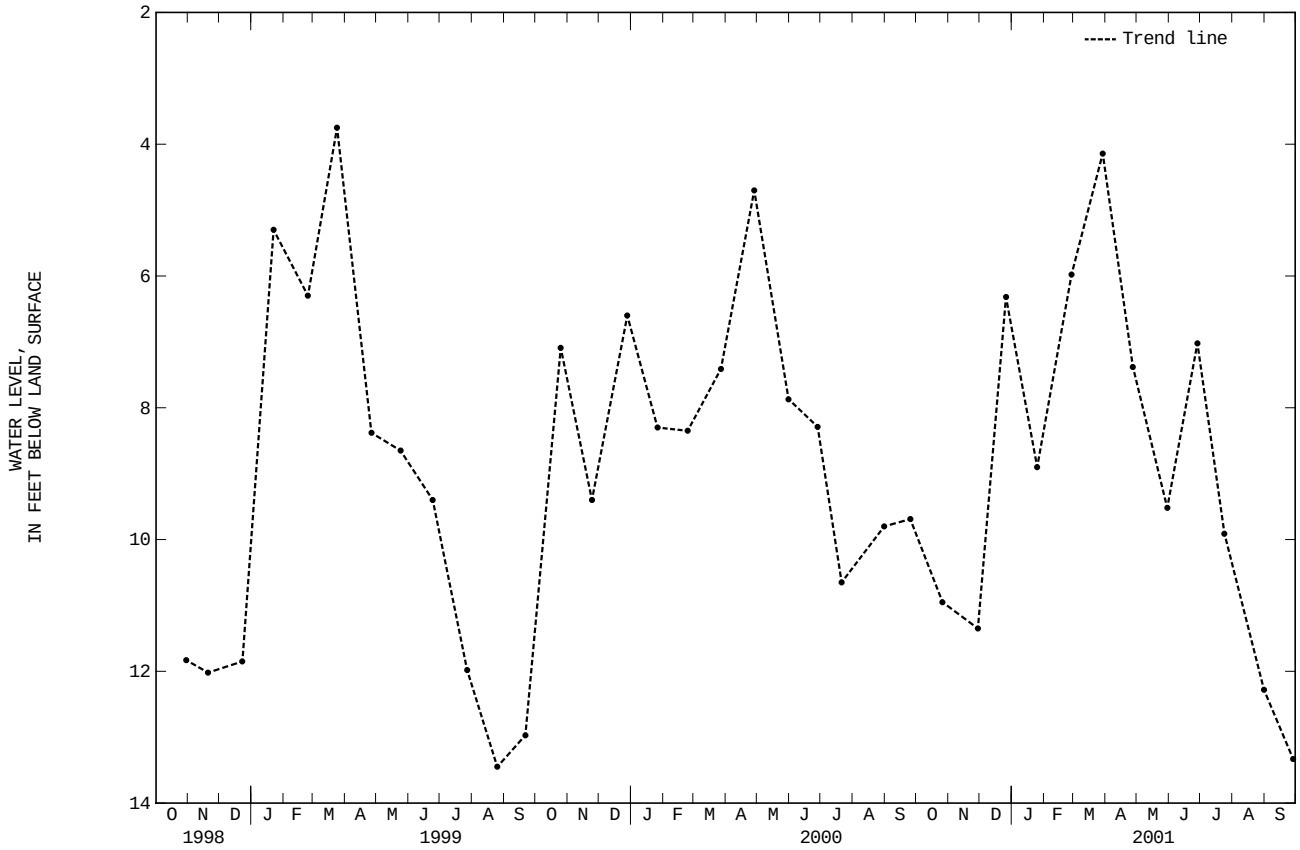
413033072432001. Local Number, MF 1.

LOCATION.--Lat 41°30'33", long 72°43'20", Hydrologic Unit 01080205, about 100 ft east of West St. and about 600 ft south of State Rt. 147, Middlefield; Middletown quadrangle. Owner: The Leisure Group Inc. (Lyman Products for Shooters).
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 22 ft, stone-lined.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 250 ft above sea level, from topographic map. Measuring point: Top of flagstone curb at orange paint mark, north side at land-surface datum.
PERIOD OF RECORD.--July 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.67 ft below land-surface datum, June 24, 1992; lowest water level measured, 16.92 ft below land-surface datum, Nov. 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	10.95	DEC 26	6.32	FEB 27	5.98	APR 27	7.38	JUN 28	7.02	AUG 31	12.28
NOV 29	11.35	JAN 25	8.90	MAR 29	4.14	MAY 30	9.52	JUL 24	9.91	SEP 28	13.33

WATER YEAR 2001 HIGHEST 4.14 MAR 29, 2001 LOWEST 13.33 SEP 28, 2001



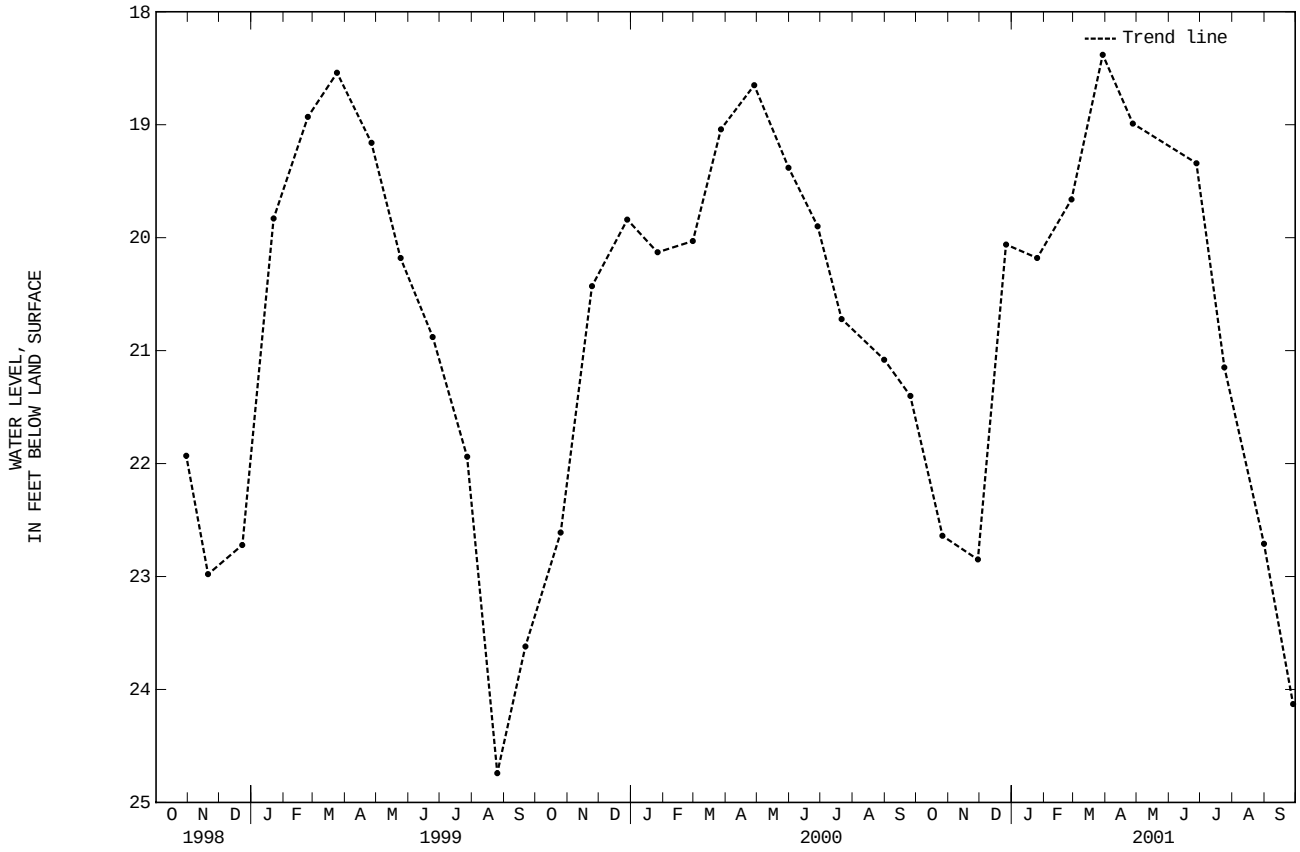
413254072335501. Local Number, MT 261.

LOCATION.--Lat 41°32'54", long 72°33'55", Hydrologic Unit 01080205, about 200 ft east of River Rd. and 200 ft northwest of Building 450, Middletown; Middle Haddam quadrangle. Owner: United Technologies Corp., Hartford.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 27.6 ft, fieldstone-lined. As of October 24, 1995, well depth decreased to 26.2 ft, as a result of land-surface elevation change.
INSTRUMENTATION.--Prior to December 1990 measurements made monthly; from December 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 150 ft above sea level, from topographic map. Measuring point: Top of steel well cover at land-surface datum.
PERIOD OF RECORD.--April 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.16 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, dry (lower than 26.2 ft below land-surface datum) on Nov. 1 and Dec. 2, 1957; Nov. 25, 1964; Oct. 31, 1986; and Oct. 17, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	22.64	DEC 26	20.06	FEB 27	19.66	APR 27	18.99	JUL 24	21.15	SEP 28	24.13
NOV 29	22.85	JAN 25	20.18	MAR 29	18.38	JUN 27	19.34	AUG 31	22.71		

WATER YEAR 2001 HIGHEST 18.38 MAR 29, 2001 LOWEST 24.13 SEP 28, 2001



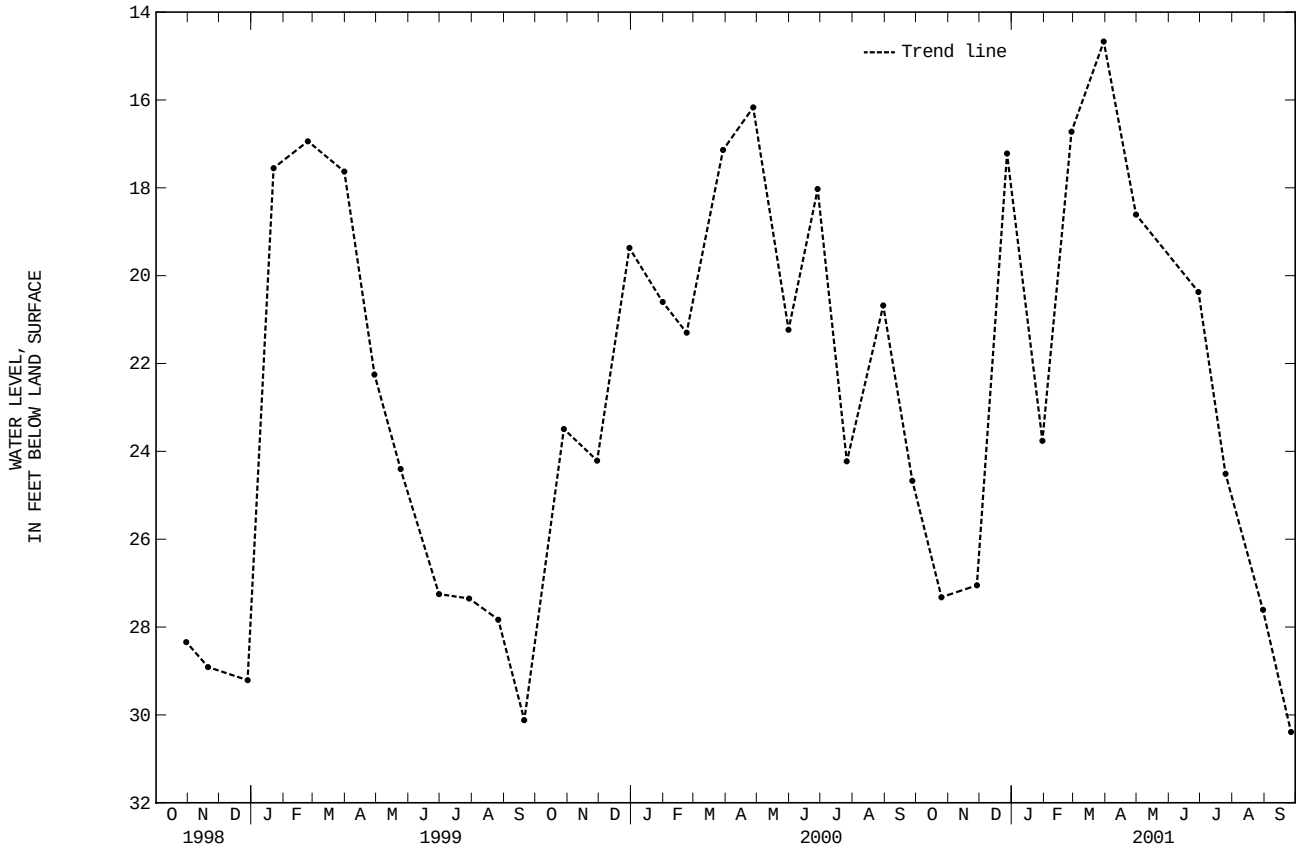
412423072542801. Local Number, HM 445.

LOCATION.--Lat 41°24'23", long 72°54'28", Hydrologic Unit 01100004, at Lockwood Farm, 800 ft south of Kenwood Ave. and 1,500 ft west of Shepard Ave., in orchard, Hamden; Mount Carmel quadrangle. Owner: Connecticut Agricultural Experiment Station.
AQUIFER.--Sedimentary bedrock (arkose).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in (0-12 ft), depth 36.35 ft, PVC casing, open hole 12 to 36.35 ft (diameter of open section --3 in).
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 180 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.80 ft above land-surface datum.
REMARKS.--Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--July 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.05 ft below land-surface datum, Feb. 26, 1998; lowest water level measured, 32.89 ft below land-surface datum, Sep. 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	27.32	DEC 27	17.22	FEB 27	16.72	APR 30	18.61	JUL 25	24.51	SEP 26	30.39
NOV 28	27.05	JAN 30	23.76	MAR 30	14.67	JUN 29	20.37	AUG 30	27.61		

WATER YEAR 2001 HIGHEST 14.67 MAR 30, 2001 LOWEST 30.39 SEP 26, 2001



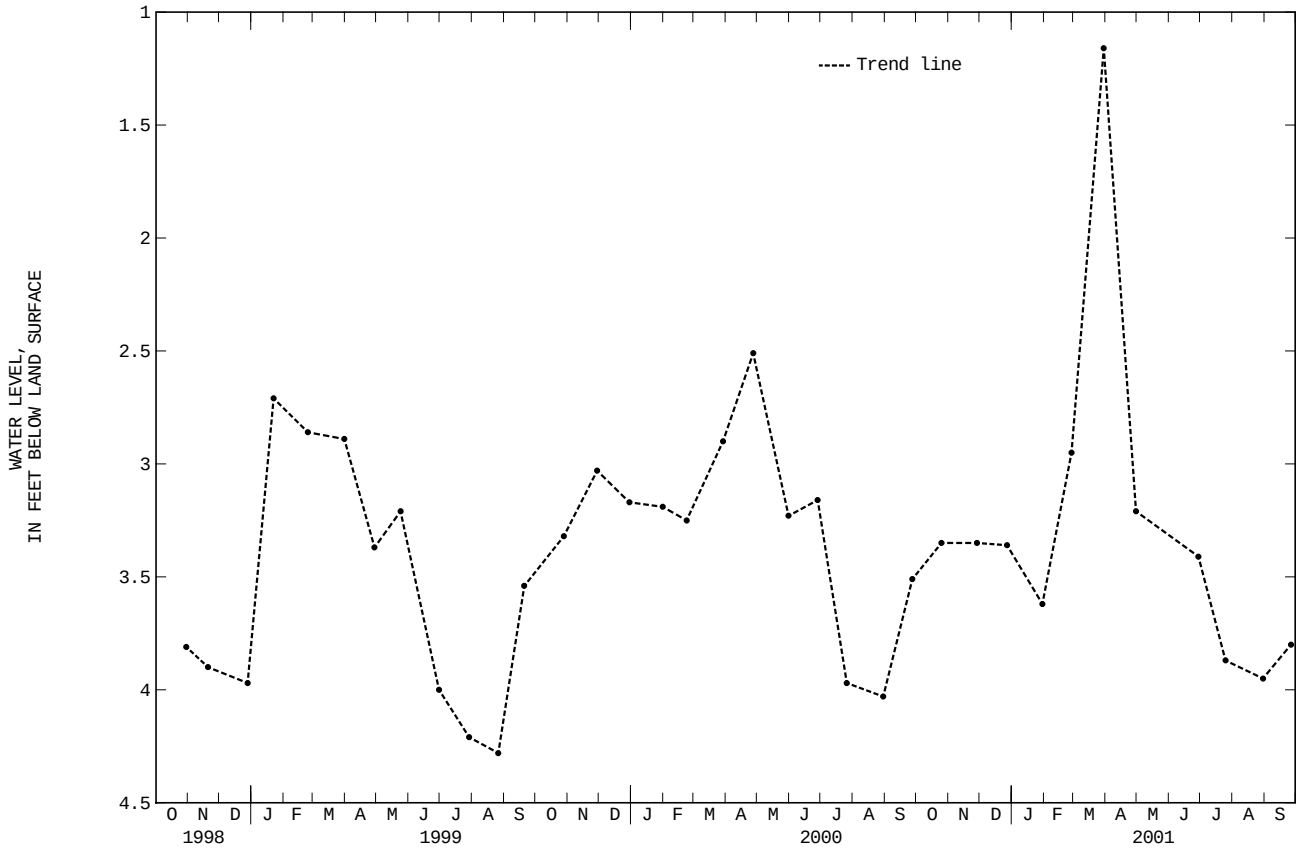
412546072541702. Local number, HM 446.

LOCATION.--Lat 41°25'46", long 72°54'17", Hydrologic Unit 01100004, at Sleeping Giant State Park, off Tuttle Ave., 50 ft south of road and 30 ft west of Mill River; Hamden; Mount Carmel quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 23 ft, PVC casing, screened from 18 to 23 ft.
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 95 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.60 ft above land-surface datum.
REMARKS.--Northern, shallow well of pair. Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.11 ft below land-surface datum, Jan. 29, 1994; lowest water level measured, 4.51 ft below land-surface datum, Sep. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	3.35	DEC 27	3.36	FEB 27	2.95	APR 30	3.21	JUL 25	3.87	SEP 26	3.80
NOV 28	3.35	JAN 30	3.62	MAR 30	1.16	JUN 29	3.41	AUG 30	3.95		

WATER YEAR 2001 HIGHEST 1.16 MAR 30, 2001 LOWEST 3.95 AUG 30, 2001



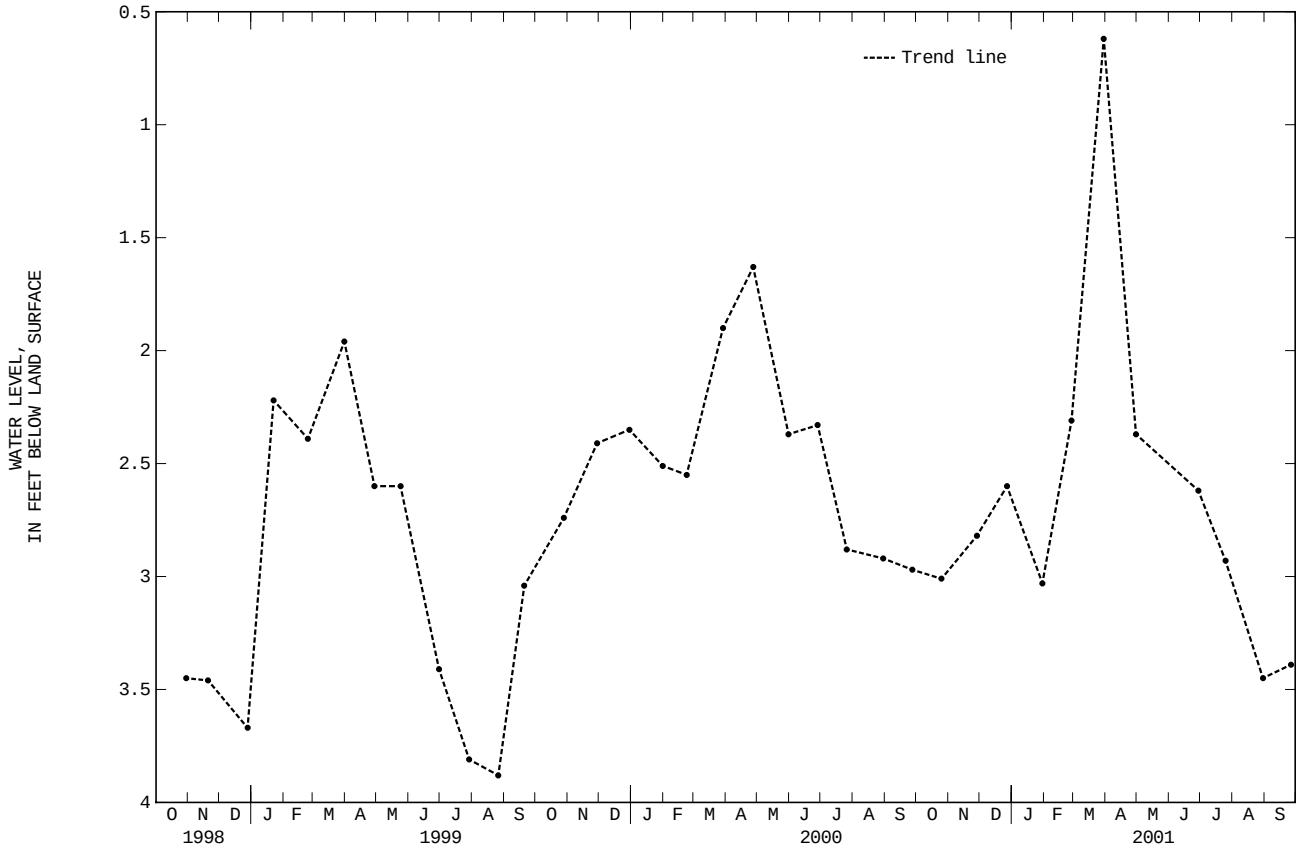
412546072541701. Local number, HM 447.

LOCATION.--Lat 41°25'46", long 72°54'17", Hydrologic Unit 01100004, at Sleeping Giant State Park, off Tuttle Ave., 50 ft south of road and 30 ft west of Mill River; Hamden; Mount Carmel quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 58 ft, PVC casing, screened from 53 to 58 ft.
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 95 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.60 ft above land-surface datum.
REMARKS.--Southern, deeper well of pair. Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--January 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft below land-surface datum, Mar. 30, 2001; lowest water level measured, 4.16 ft below land-surface datum, Sep. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	3.01	DEC 27	2.60	FEB 27	2.31	APR 30	2.37	JUL 25	2.93	SEP 26	3.39
NOV 28	2.82	JAN 30	3.03	MAR 30	.62	JUN 29	2.62	AUG 30	3.45		

WATER YEAR 2001 HIGHEST .62 MAR 30, 2001 LOWEST 3.45 AUG 30, 2001



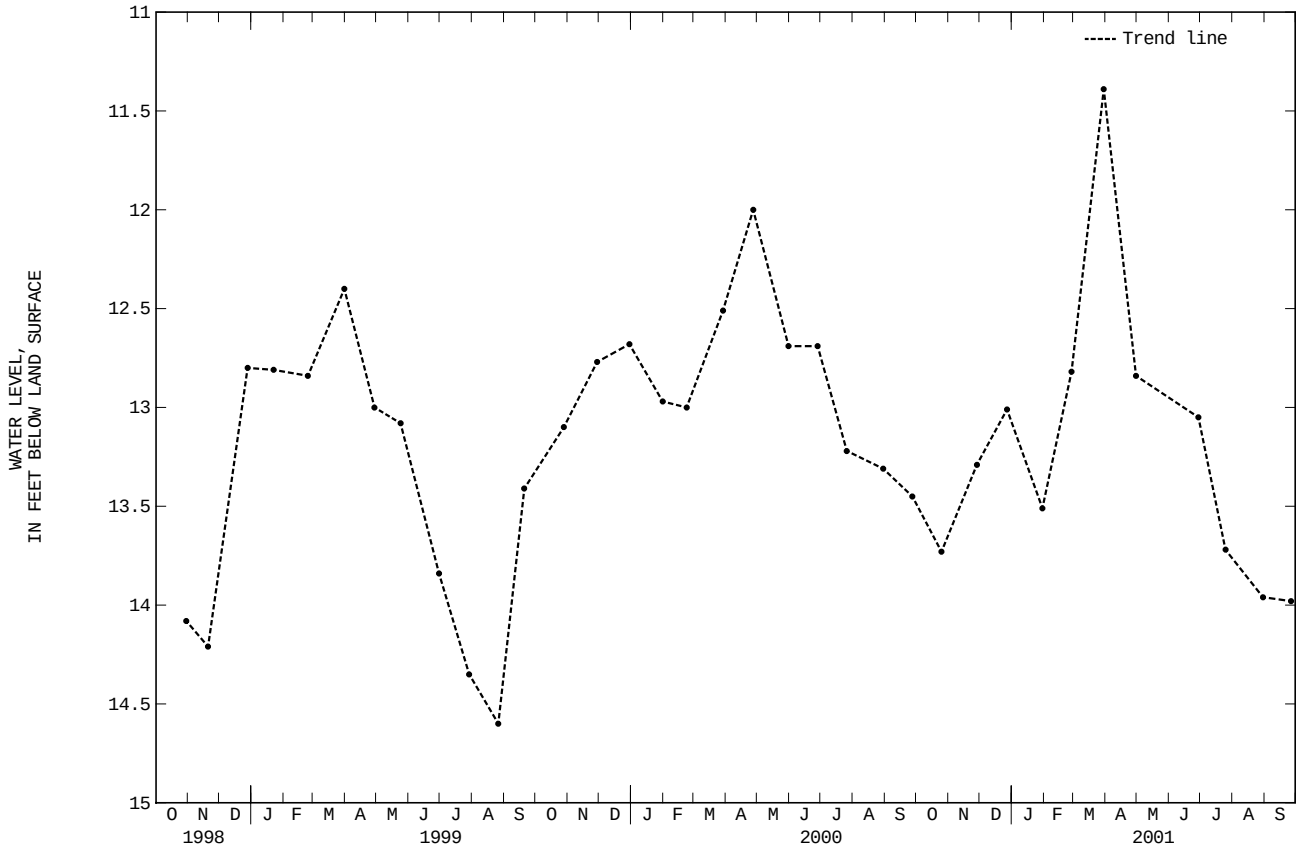
412541072542001. Local number, HM 448.

LOCATION.--Lat 41°25'41", long 72°54'20", Hydrologic Unit 01100004, at Sleeping Giant State Park, 300 ft east of Rt. 10, 200 ft south of Tuttle Ave., northeast corner of field, near woods; Hamden; Mount Carmel quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 53 ft, PVC casing, screened from 48 to 53 ft.
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 115 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.20 ft above land-surface datum.
REMARKS.--Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--January 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.74 ft below land-surface datum, Jan. 29, 1996; lowest water level measured, 14.99 ft below land-surface datum, Sep. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	13.73	DEC 27	13.01	FEB 27	12.82	APR 30	12.84	JUL 25	13.72	SEP 26	13.98
NOV 28	13.29	JAN 30	13.51	MAR 30	11.39	JUN 29	13.05	AUG 30	13.96		

WATER YEAR 2001 HIGHEST 11.39 MAR 30, 2001 LOWEST 13.98 SEP 26, 2001



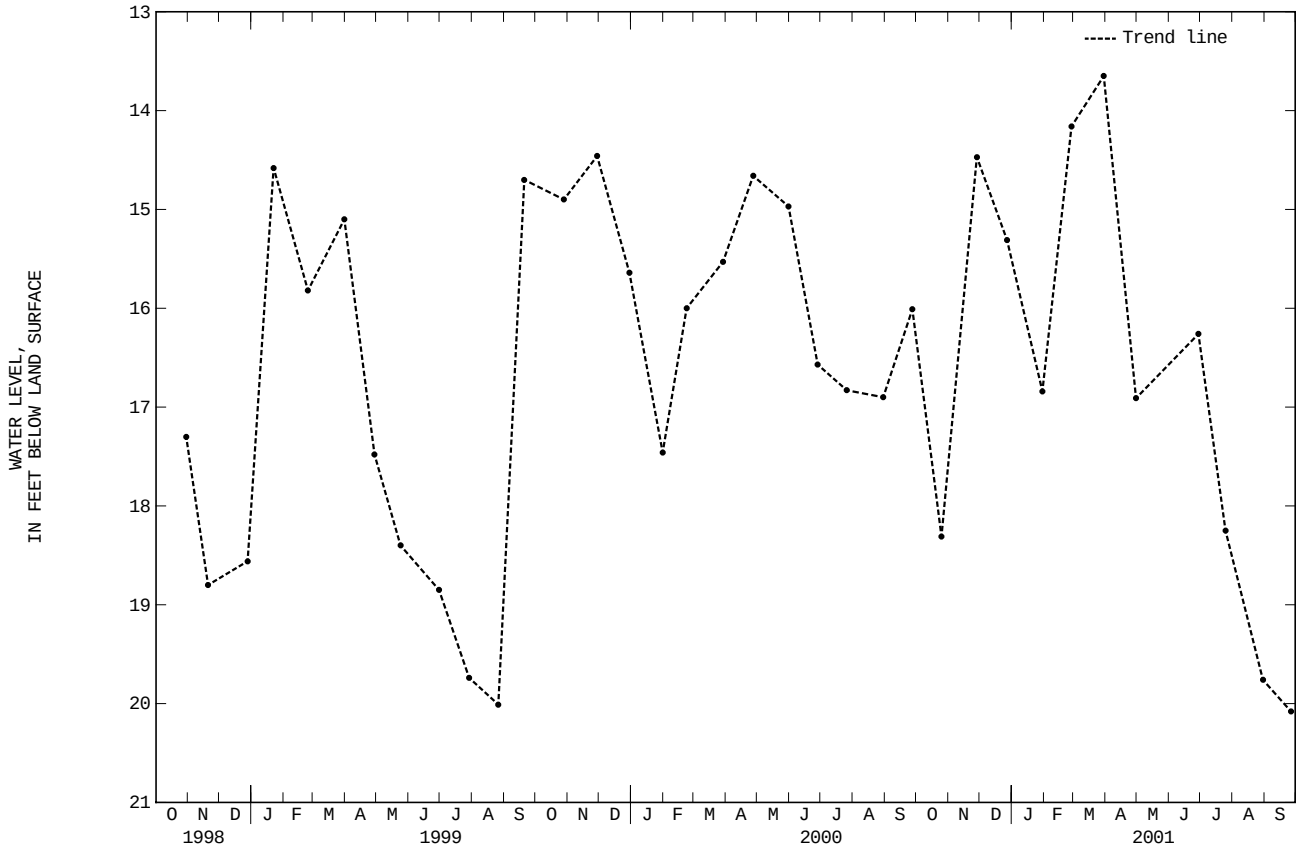
412417072541901. Local Number, HM 449.

LOCATION.--Lat 41°24'17", long 72°54'19", Hydrologic Unit 01100004, at Lockwood Farm, 600 ft south of Kenwood Ave. and 600 ft west of Shepard Ave., on top of hill in orchard, Hamden; Mount Carmel quadrangle. Owner: Connecticut Agricultural Experiment Station.
AQUIFER.--Sedimentary bedrock (arkose).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 33.50 ft, PVC casing, screened from 23.50 to 33.50 ft.
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 235 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.20 ft above land-surface datum.
REMARKS.--Northern well of pair. Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--January 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.02 ft below land-surface datum, Jan. 29, 1996; lowest water level measured, 21.59 ft below land-surface datum, Aug. 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	18.31	DEC 27	15.31	FEB 27	14.16	APR 30	16.91	JUL 25	18.25	SEP 26	20.08
NOV 28	14.47	JAN 30	16.84	MAR 30	13.65	JUN 29	16.26	AUG 30	19.76		

WATER YEAR 2001 HIGHEST 13.65 MAR 30, 2001 LOWEST 20.08 SEP 26, 2001



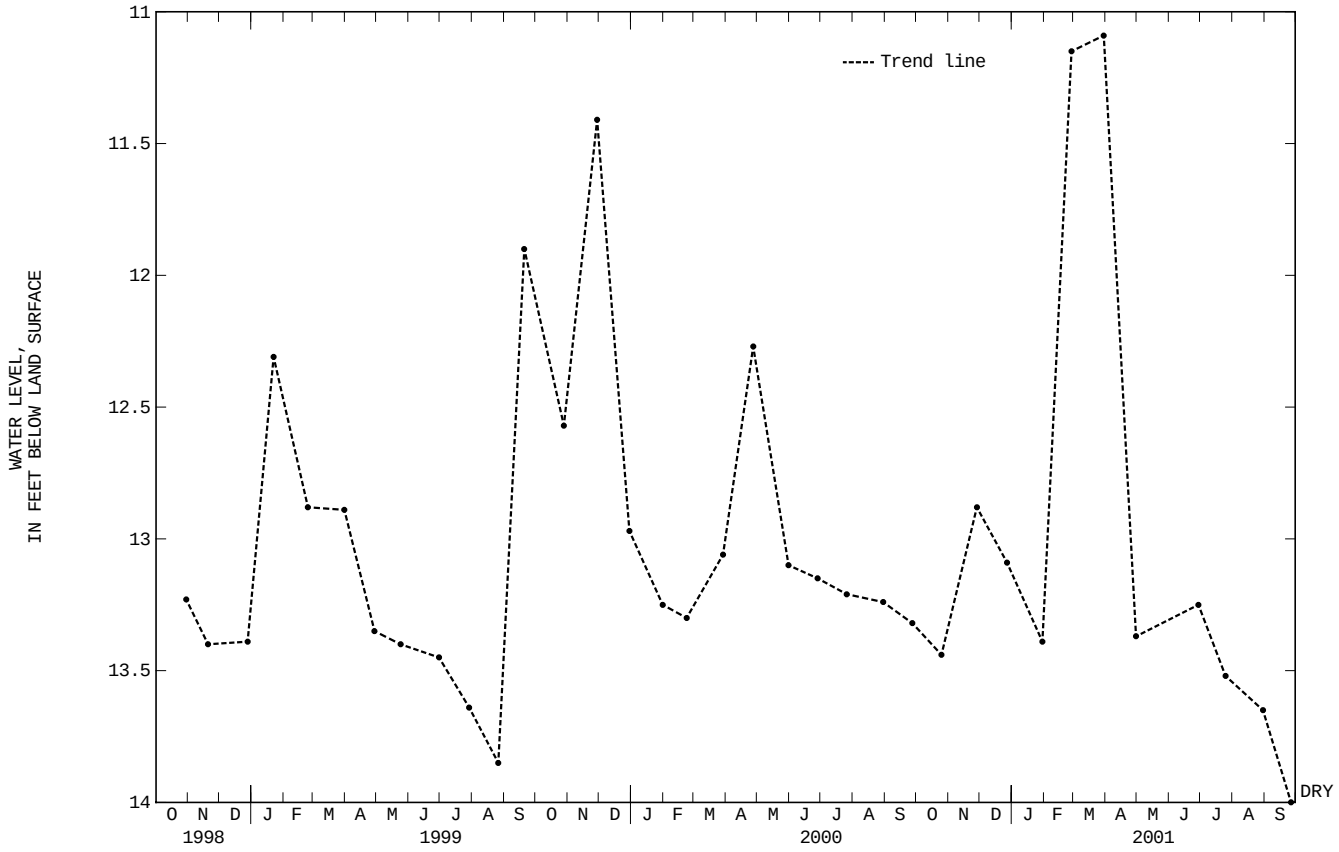
412417072541902. Local Number, HM 450.

LOCATION.--Lat 41°24'17", long 72°54'19", Hydrologic Unit 01100004, at Lockwood Farm, 600 ft south of Kenwood Ave. and 600 ft west of Shepard Ave., on top of hill in orchard, Hamden; Mount Carmel quadrangle. Owner: Connecticut Agricultural Experiment Station.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 14 ft, PVC casing, screened from 9 to 14 ft.
INSTRUMENTATION.--Prior to May 1996 measurements made biweekly with a chalked tape by paid observer. Beginning June 26, 1997, measurements made monthly with an electric tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 235 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.05 ft above land-surface datum.
REMARKS.--Southern well of pair. Water level records missing from May 1996 through May 1997.
PERIOD OF RECORD.--January 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.53 ft below land-surface datum, Dec. 30, 1997; lowest water level measured, dry (lower than 14 ft below land-surface datum), Sep. 26, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	13.44	DEC 27	13.09	FEB 27	11.15	APR 30	13.37	JUL 25	13.52	SEP 26	dry
NOV 28	12.88	JAN 30	13.39	MAR 30	11.09	JUN 29	13.25	AUG 30	13.65		

WATER YEAR 2001 HIGHEST 11.09 MAR 30, 2001 LOWEST dry SEP 26, 2001



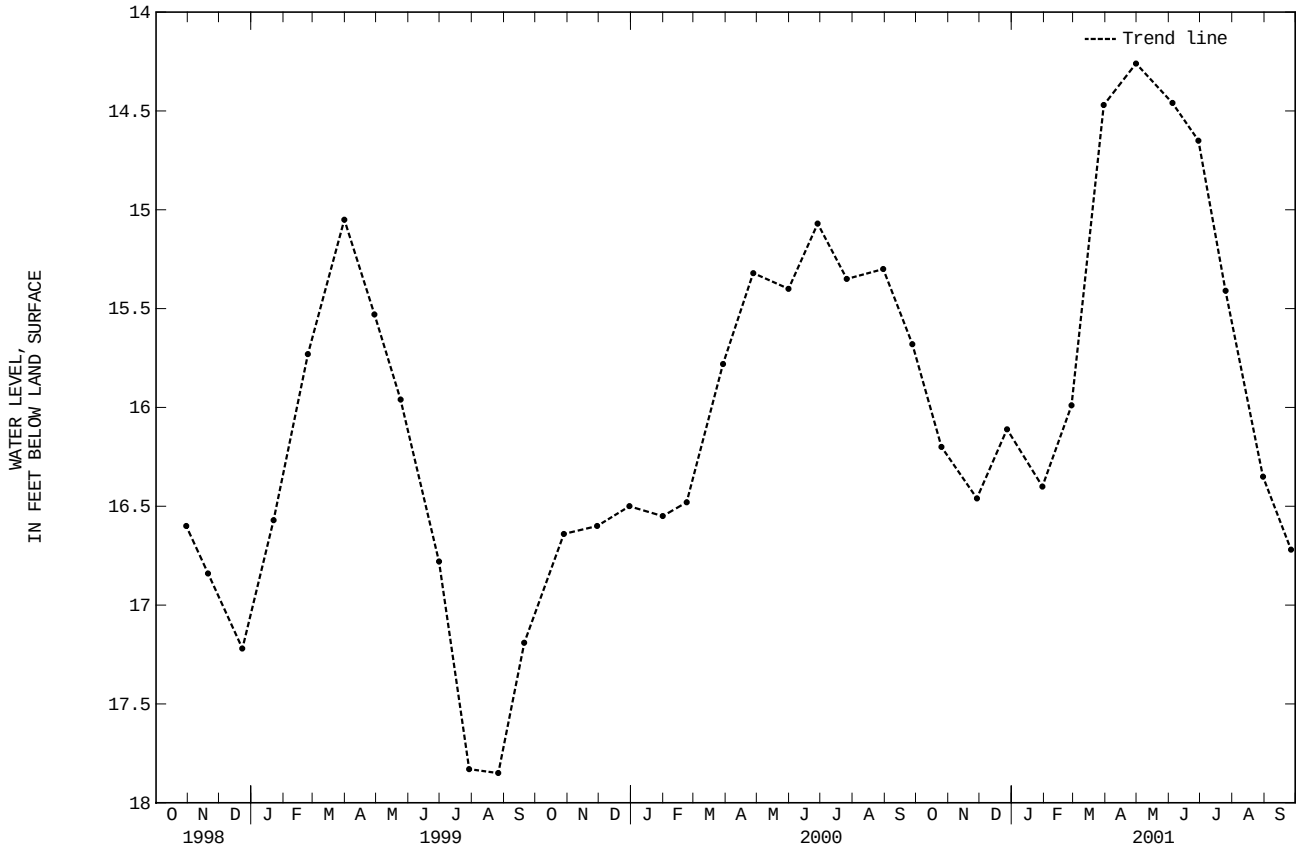
412307072515201. Local Number, NHV 201.

LOCATION.--Lat 41°23'07", long 72°51'52", Hydrologic Unit 01100004, 3 ft south of curb in southwest corner of parking area for Center School, 35 ft east of Elm St., North Haven; Wallingford Quadrangle. Owner: Town of North Haven.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter, 2 in, depth 32 ft, plastic casing to 27 ft, screened 27 ft to 32 ft.
INSTRUMENTATION.--Prior to January 1991 measurements made monthly; from January 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 35 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.7 ft above land-surface datum.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.56 ft below land-surface datum, June 28, 1982; lowest water level measured, 18.71 ft below land-surface datum, Nov. 5, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	16.20	DEC 27	16.11	FEB 27	15.99	APR 30	14.26	JUN 29	14.65	AUG 30	16.35
NOV 28	16.46	JAN 30	16.40	MAR 30	14.47	JUN 04	14.46	JUL 25	15.41	SEP 26	16.72

WATER YEAR 2001 HIGHEST 14.26 APR 30, 2001 LOWEST 16.72 SEP 26, 2001



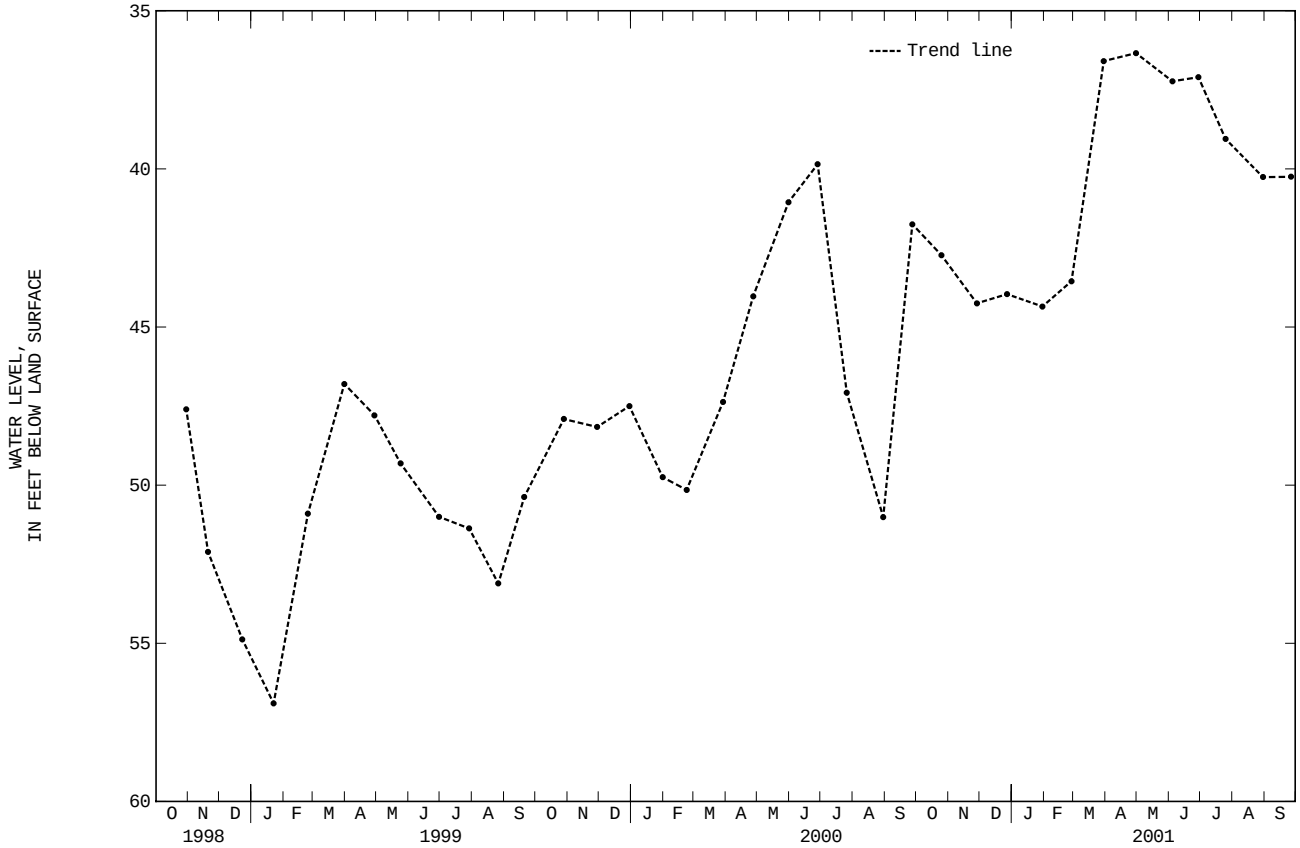
412550072510701. Local Number, NHV 202.

LOCATION.--Lat 41°25'50", long 72°51'07", Hydrologic Unit 01100004, about 50 ft east of eastbound land of Merritt Parkway, 3.2 mi north of North Haven service area at no parking sign, North Haven; Wallingford quadrangle. Owner: State of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age (sand).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 65.0 ft, plastic casing to 60 ft, screened 60 to 65 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.7 ft above land-surface datum.
REMARKS.--Levels affected by pumping.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.07 ft below land-surface datum, Apr. 25, 1983; lowest water level measured, dry (lower than 60.4 ft below land-surface datum) on Sep. 28, Oct. 29, Nov. 25, and Dec. 29, 1981; Jan. 27, 1982; Oct. 29, Nov. 27, Dec. 30, 1985; Jan. 28, July 28, Aug. 28, Sep. 26, Oct. 29, and Nov. 25, 1986; June 28, July 27, Aug. 26, and Sep. 27, 1988; Oct. 26, Nov. 28, and Dec. 28, 1988; Jan. 25, Feb. 25, and Mar. 27, 1989; Feb. 18, 28, Mar. 11, 30, Apr. 13, 23, May 10, 26, June 9, 25, 1992; and Sep. 27, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	42.73	DEC 27	43.96	FEB 27	43.55	APR 30	36.34	JUN 29	37.10	AUG 30	40.26
NOV 28	44.25	JAN 30	44.35	MAR 30	36.59	JUN 04	37.23	JUL 25	39.05	SEP 26	40.25

WATER YEAR 2001 HIGHEST 36.34 APR 30, 2001 LOWEST 44.35 JAN 30, 2001



NEW HAVEN COUNTY--Continued

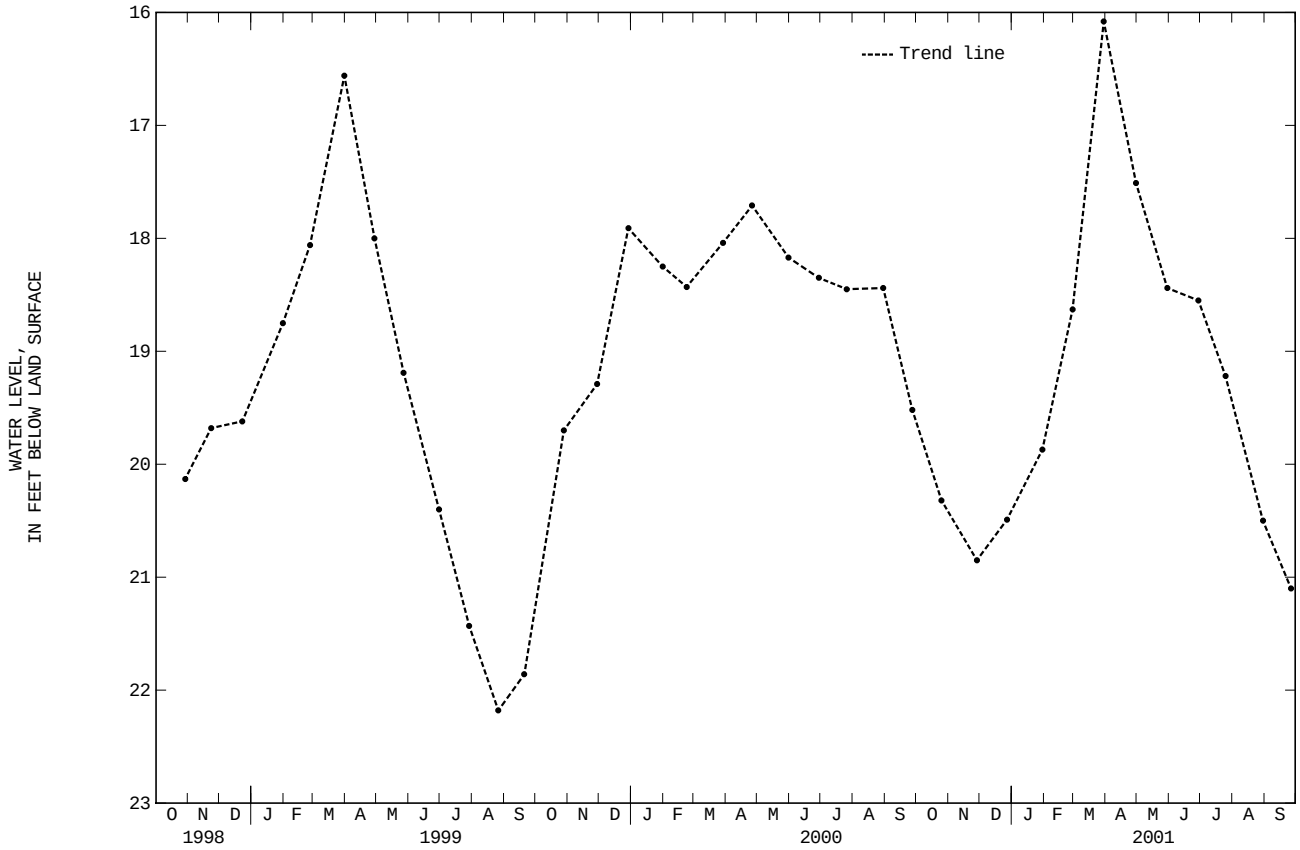
412954073125201. Local number, SB 30.

LOCATION.--Lat 41°29'54", long 73°12'52", Hydrologic Unit 01100005, located about 75 ft west of the intersection of Rts. 6 and 67, 40 ft south of Rt. 67, Southbury; Southbury quadrangle. Owner: State of Connecticut Department of Transportation.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 27.5 ft, PVC casing, screened 22.5 to 27.5 ft.
INSTRUMENTATION.--From January 1979 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 252 ft above sea level, from topographic map. Measuring point: Top of steel protective casing at orange paint mark between hacksaw marks, 1.85 ft above land-surface datum.
PERIOD OF RECORD.-- January 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft below land-surface datum, Dec. 26, 1996; lowest water level measured, 22.70 ft below land-surface datum, Oct. 17, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	20.32	DEC 27	20.49	FEB 28	18.63	APR 30	17.51	JUN 29	18.55	AUG 30	20.50
NOV 28	20.85	JAN 30	19.87	MAR 30	16.08	MAY 30	18.44	JUL 25	19.22	SEP 26	21.10

WATER YEAR 2001 HIGHEST 16.08 MAR 30, 2001 LOWEST 21.10 SEP 26, 2001



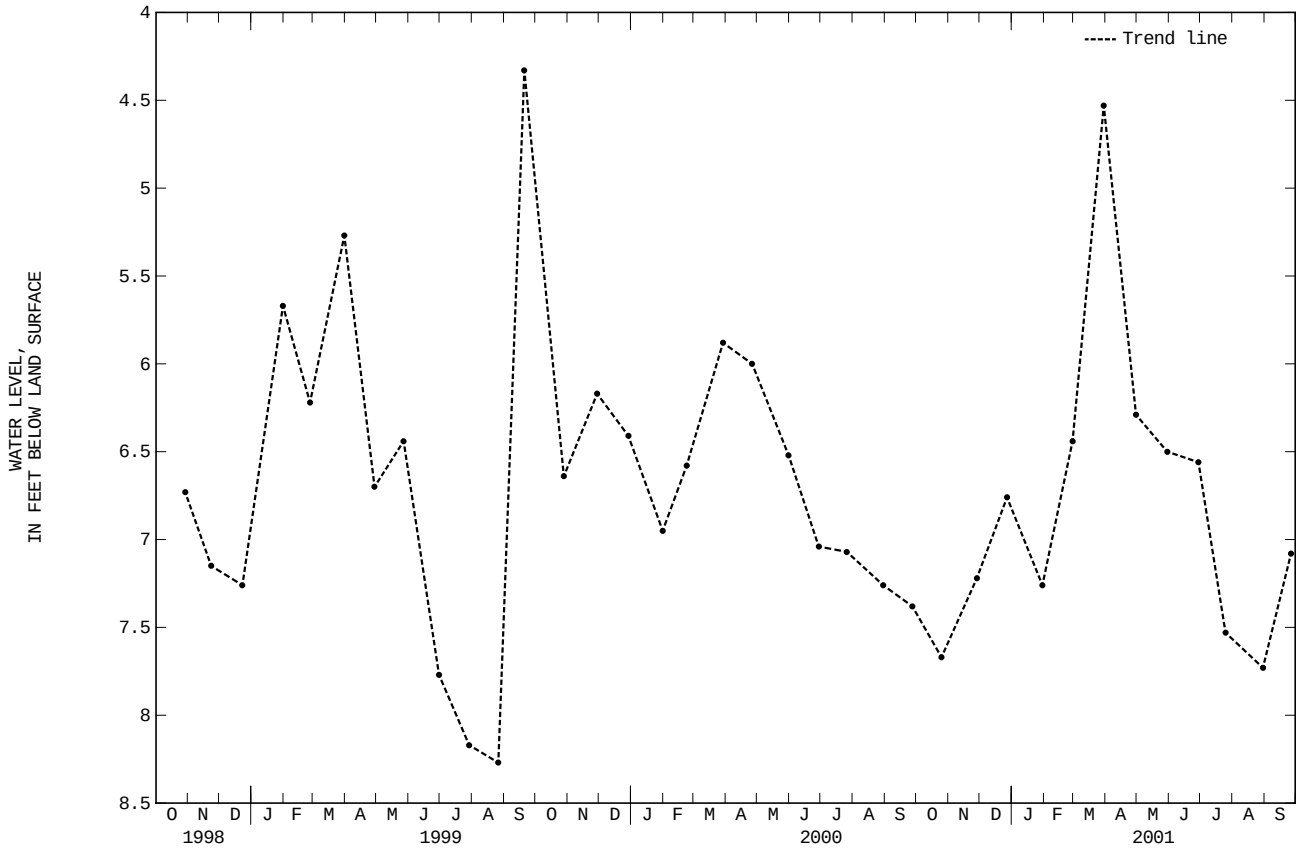
413002073131001. Local number, SB 39.

LOCATION.--Lat 41°30'02", long 73°13'10", Hydrologic Unit 01100005, in George Bennett Town Park, 20 ft north of parking area, behind timber fence, Southbury; Woodbury quadrangle. Owner: Town of Southbury.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 26.5 ft, PVC casing, screened 21 to 26.5 ft.
INSTRUMENTATION.--From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 185 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 1.63 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.35 ft below land-surface datum, Jan. 29, 1996; lowest water level measured, 8.47 ft below land-surface datum, Sep. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	7.67	DEC 27	6.76	FEB 28	6.44	APR 30	6.29	JUN 29	6.56	AUG 30	7.73
NOV 28	7.22	JAN 30	7.26	MAR 30	4.53	MAY 30	6.50	JUL 25	7.53	SEP 26	7.08

WATER YEAR 2001 HIGHEST 4.53 MAR 30, 2001 LOWEST 7.73 AUG 30, 2001



NEW HAVEN COUNTY--Continued

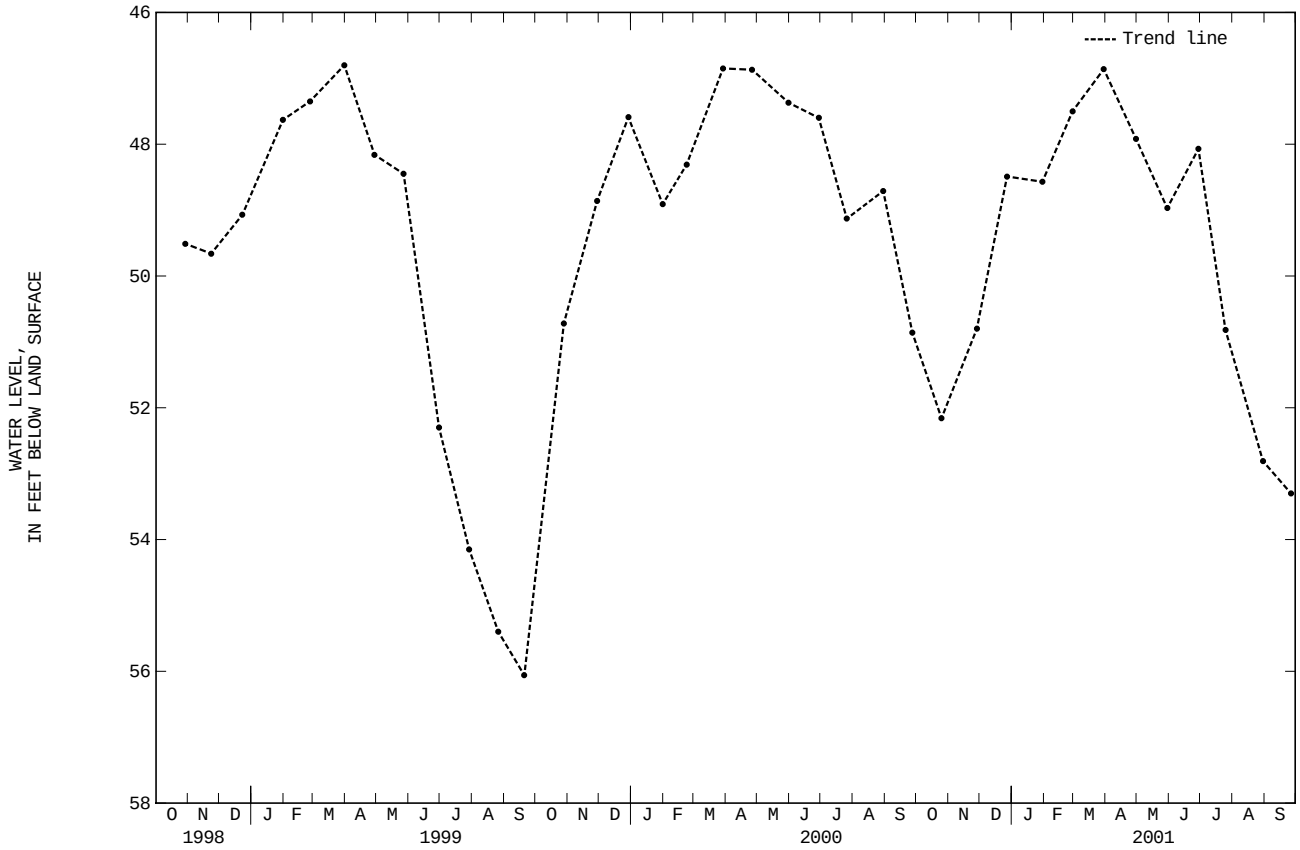
412935073122701. Local number, SB 41.

LOCATION.--Lat 41°29'35", long 73°12'27", Hydrologic Unit 01100005, west end of Hinman Lane, at entrance to Hinman Park Conservation Area, 20 ft south of curb, Southbury; Southbury quadrangle. Owner: Town of Southbury.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 110 ft, PVC casing, well screened 105 to 110.
INSTRUMENTATION.--From October 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 385 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.35 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.70 ft below land-surface datum, Dec. 16, 1992; lowest water level measured, 56.06 ft below land-surface datum, Sep. 20, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	52.16	DEC 27	48.49	FEB 28	47.50	APR 30	47.92	JUN 29	48.07	AUG 30	52.81
NOV 28	50.80	JAN 30	48.57	MAR 30	46.86	MAY 30	48.97	JUL 25	50.82	SEP 26	53.30

WATER YEAR 2001 HIGHEST 46.86 MAR 30, 2001 LOWEST 53.30 SEP 26, 2001



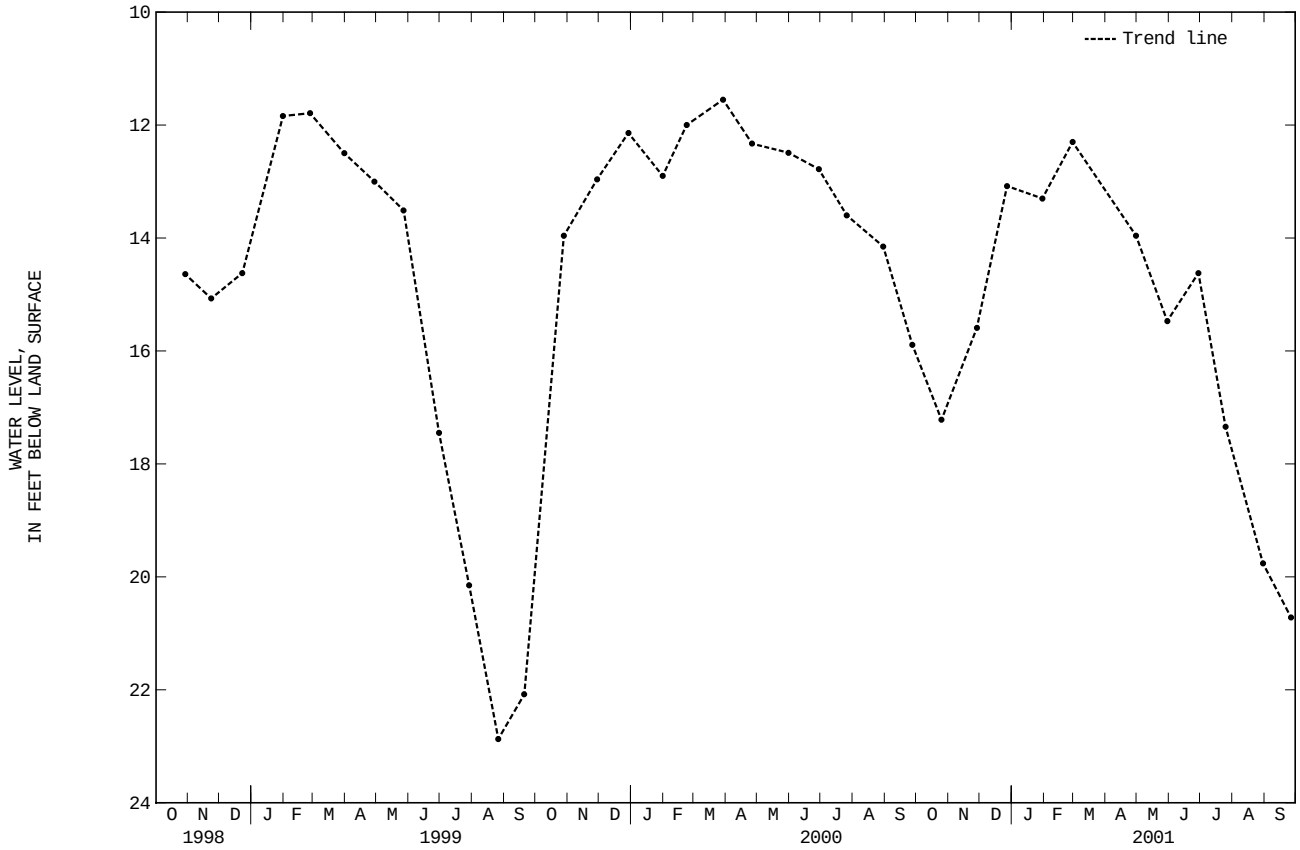
412916073121701. Local number, SB 42.

LOCATION.--Lat 41°29'16", long 73°12'17", Hydrologic Unit 01100005, Hunter Ridge, 10 ft from end of cul-de-sac, Southbury; Southbury quadrangle. Owner: Town of Southbury.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 82 ft, PVC casing, well screened 77 to 82.
INSTRUMENTATION.--From August 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 465 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.20 ft above land-surface datum.
PERIOD OF RECORD.-- August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.82 ft below land-surface datum, Mar. 28, 1994; lowest water level measured, 24.09 ft below land-surface datum, Sep. 30, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	17.22	DEC 27	13.08	FEB 28	12.30	APR 30	13.96	JUN 29	14.62	AUG 30	19.76
NOV 28	15.59	JAN 30	13.30	MAR 28	frozen	MAY 30	15.47	JUL 25	17.34	SEP 26	20.72

WATER YEAR 2001 HIGHEST 12.30 FEB 28, 2001 LOWEST 20.72 SEP 26, 2001



NEW HAVEN COUNTY--Continued

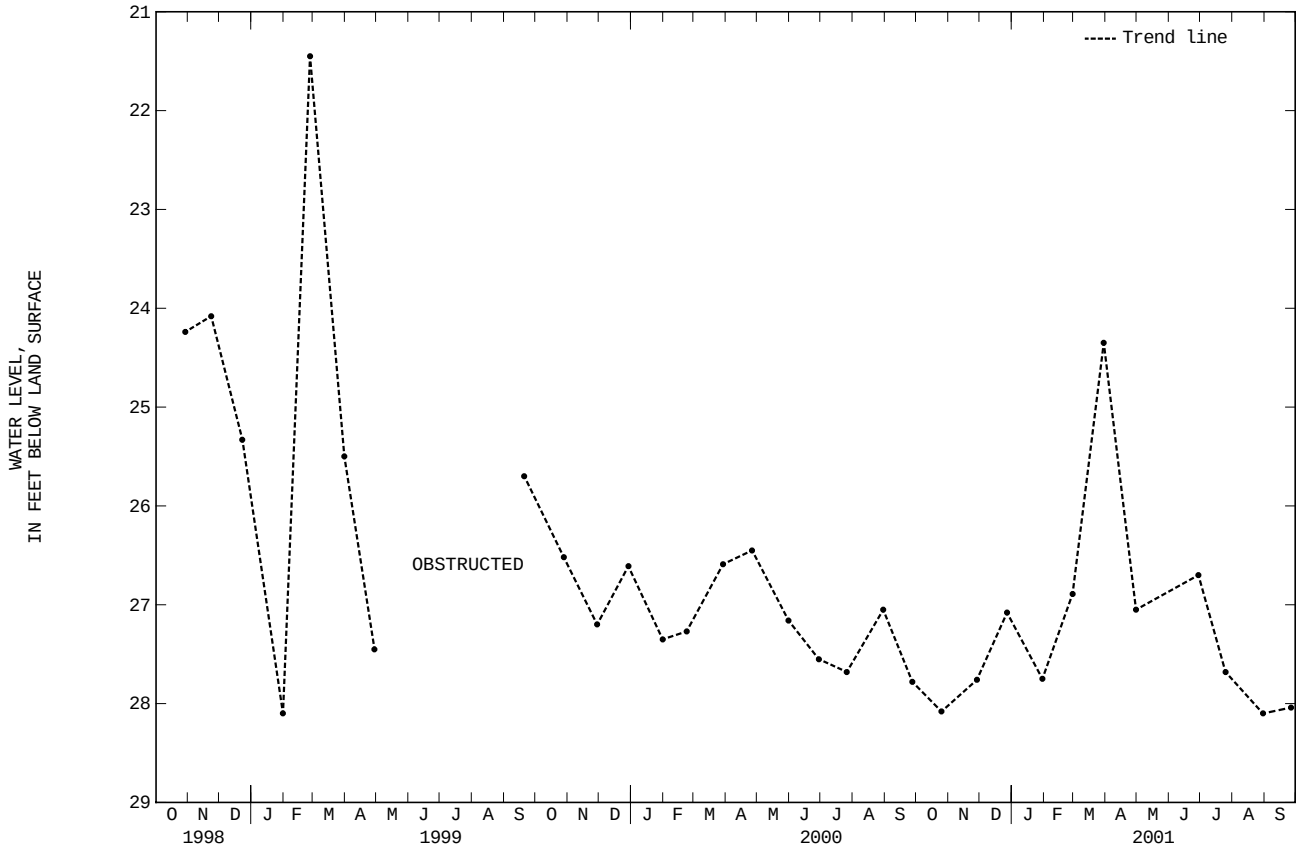
413134073021701. Local Number, WB 93.

LOCATION.--Lat 41°31'34", long 73°02'17", Hydrologic Unit 01100005, 10 ft east of house at 118 Pearl Lake Rd., Waterbury; Waterbury quadrangle. Owner: G. Gordin.
AQUIFER.--Stratified drift of Pleistocene age (gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 32 in, depth 33 ft, fieldstone-lined.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 320 ft above sea level, from topographic map. Measuring point: Bottom edge of flagstone, northwest corner of well, at land-surface datum.
PERIOD OF RECORD.--October 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.45 ft below land-surface datum, Feb. 26, 1999; lowest water level measured, 29.68 ft below land-surface datum, Sep. 27, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	28.08	DEC 27	27.08	FEB 28	26.89	APR 30	27.05	JUL 25	27.68	SEP 26	28.04
NOV 28	27.76	JAN 30	27.75	MAR 30	24.35	JUN 29	26.70	AUG 30	28.10		

WATER YEAR 2001 HIGHEST 24.35 MAR 30, 2001 LOWEST 28.10 AUG 30, 2001



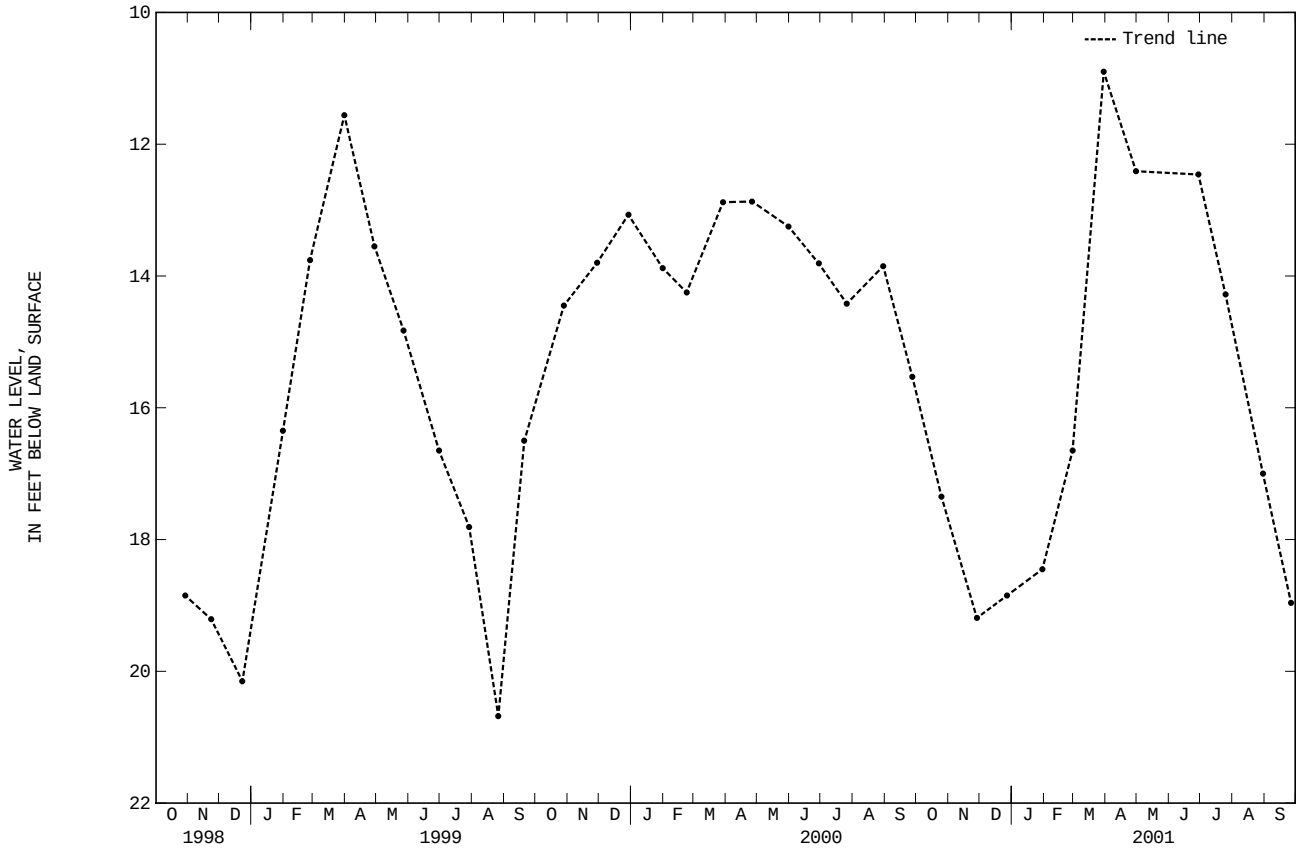
413245072584201. Local Number, WB 198.

LOCATION.--Lat 41°32'45", long 72°58'42", Hydrologic Unit 01100005, 10 ft north of house at 185 Pierpont Rd., Waterbury; Southington quadrangle. Owner: A. Baker.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 30 in, depth 31 ft, stone-lined.
INSTRUMENTATION.--Prior to December 1990 measurements made monthly; from December 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 540 ft above sea level, from topographic map. Measuring point: Top of flagstone curb at orange paint mark, at southeast corner, at land-surface datum.
PERIOD OF RECORD.--October 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft below land-surface datum, Jan. 10, 1946; lowest water level measured, 21.76 ft below land-surface datum, Oct. 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	17.35	DEC 27	18.85	FEB 28	16.65	APR 30	12.41	JUL 25	14.28	SEP 26	18.96
NOV 28	19.19	JAN 30	18.45	MAR 30	10.90	JUN 29	12.46	AUG 30	17.00		

WATER YEAR 2001 HIGHEST 10.90 MAR 30, 2001 LOWEST 19.19 NOV 28, 2000



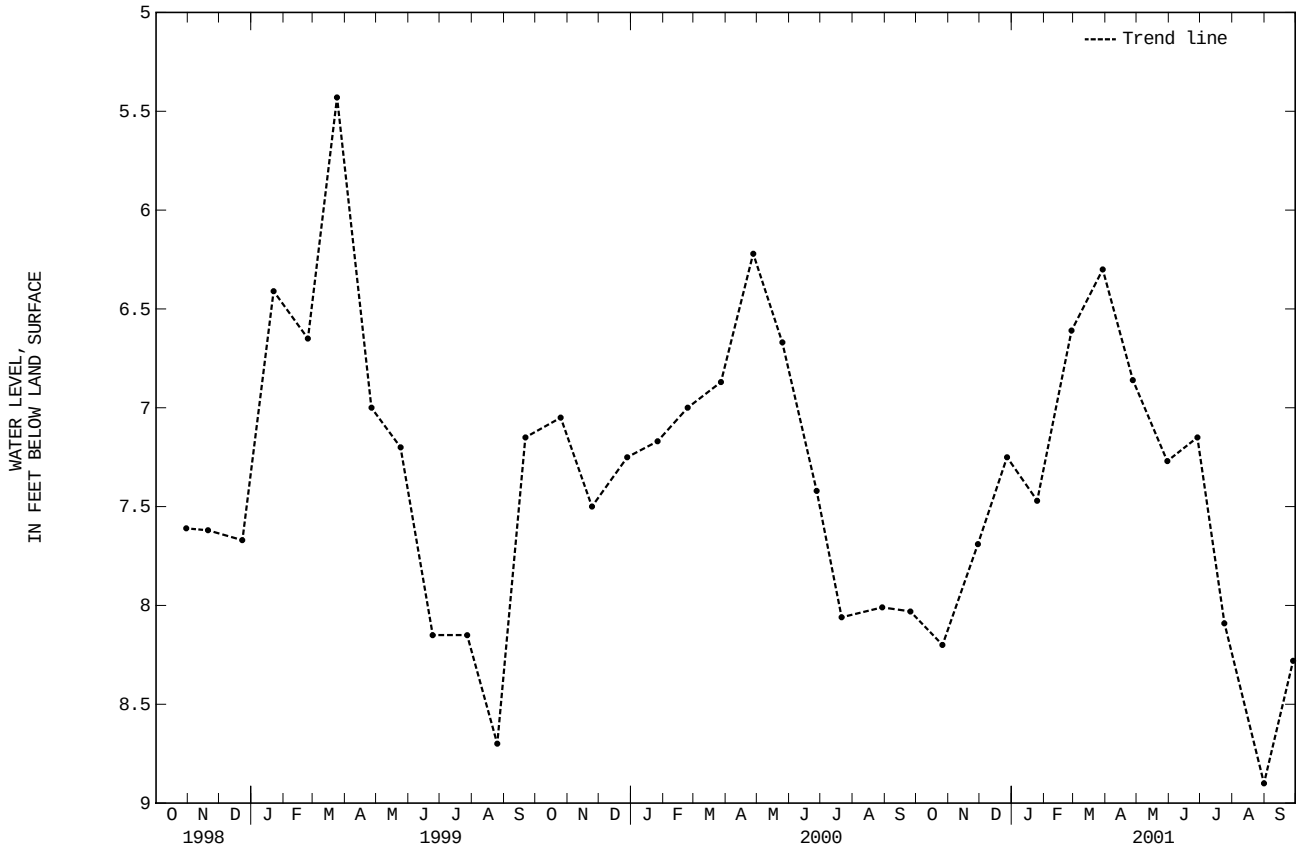
413457072252201. Local Number, CO 335.

LOCATION.--Lat 41°34'57", long 72°25'22", Hydrologic Unit 01080205, about 80 ft east of Blackledge River and about 600 ft south of River Rd., Colchester; Moodus quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 29.1 ft, PVC casing, screened 27 to 29 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map. Measuring point: Top of steel protective casing 0.2 ft above land-surface datum.
PERIOD OF RECORD.--January 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft below land-surface datum, Nov. 28, 1995; lowest water level measured, 9.35 ft below land-surface datum, July 31, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	8.20	DEC 27	7.25	FEB 27	6.61	APR 27	6.86	JUN 28	7.15	AUG 31	8.90
NOV 29	7.69	JAN 25	7.47	MAR 29	6.30	MAY 30	7.27	JUL 24	8.09	SEP 28	8.28

WATER YEAR 2001 HIGHEST 6.30 MAR 29, 2001 LOWEST 8.90 AUG 31, 2001



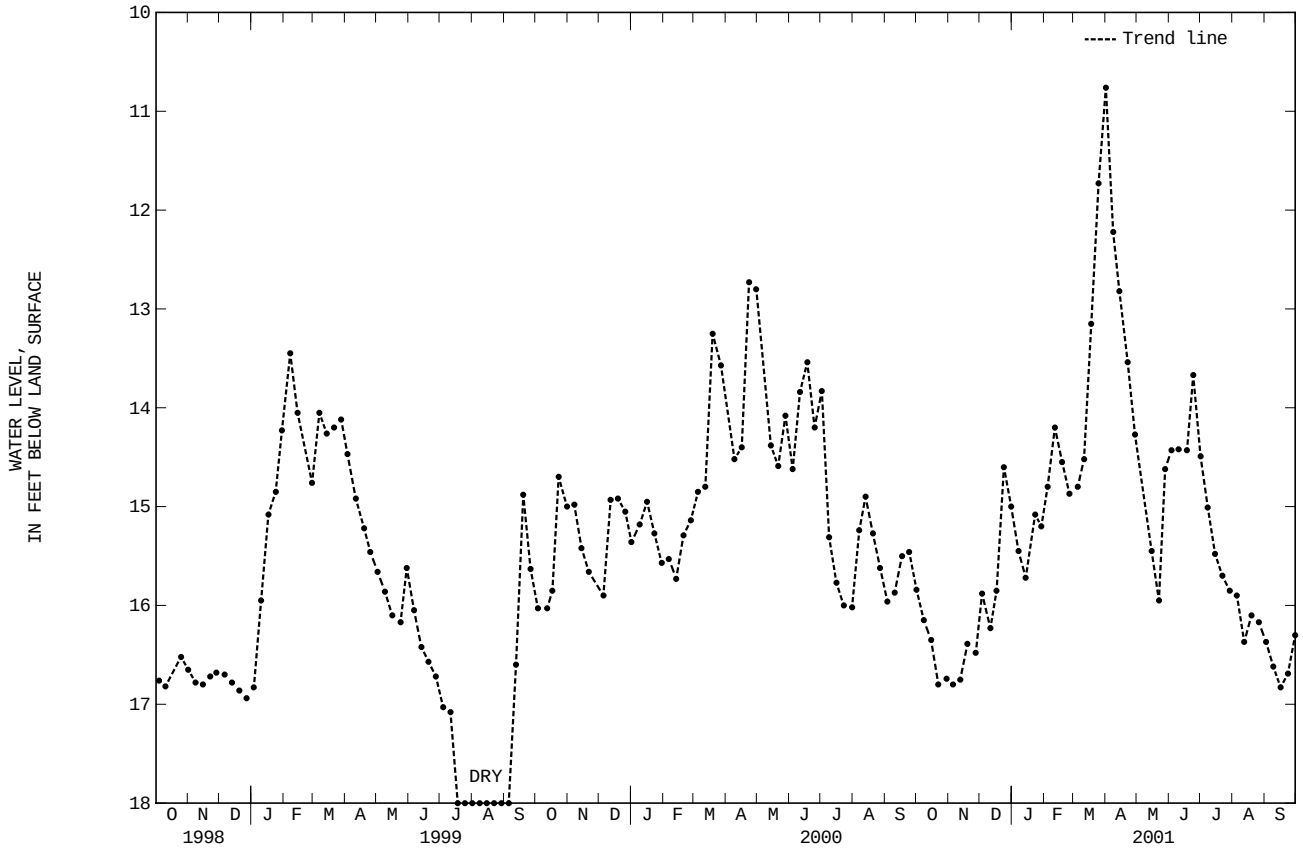
412013072030601. Local Number, GT 19.

LOCATION.--Lat 41°20'13", long 72°03'06", Hydrologic Unit 01100003, 150 ft east and 48 ft north of junction of Poquonock Ave. (High Rock Rd.) with Thomas Rd. and Tower Rd., Groton; New London quadrangle. Owner: John E. Ackley, Jr.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 18 ft, fieldstone-lined.
INSTRUMENTATION.--Measurements made weekly with a chalked tape by paid observer.
DATUM.--Elevation of land-surface datum is 22 ft above sea level, from topographic map. Measuring point: Bottom of fieldstone on west side of well at land-surface datum.
PERIOD OF RECORD.--May 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.35 ft below land-surface datum, June 7, 1982; lowest water level measured, dry (lower than 18 ft below land-surface datum) on Sep. 10, 1995; Sep. 28, 1997; October 05, 09, 19, 1997; July 18, 25, 1999; Aug. 1, 8, 15, 22, 29, 1999; Sep. 5, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 01	15.84	DEC 03	15.88	FEB 04	14.80	APR 08	12.22	JUN 18	14.43	AUG 19	16.10
08	16.15	11	16.23	11	14.20	14	12.82	24	13.67	26	16.17
15	16.35	17	15.85	18	14.55	22	13.54	JUL 01	14.49	SEP 02	16.37
22	16.80	24	14.60	25	14.87	29	14.27	08	15.01	09	16.62
30	16.74	31	15.00	MAR 05	14.80	MAY 15	15.45	15	15.48	16	16.83
NOV 05	16.80	JAN 07	15.45	11	14.52	22	15.95	22	15.70	23	16.69
12	16.75	14	15.72	18	13.15	28	14.62	29	15.85	30	16.30
19	16.39	23	15.08	25	11.73	JUN 03	14.43	AUG 05	15.90		
27	16.48	29	15.20	APR 01	10.76	10	14.42	12	16.37		

WATER YEAR 2001 HIGHEST 10.76 APR 01, 2001 LOWEST 16.83 SEP 16, 2001



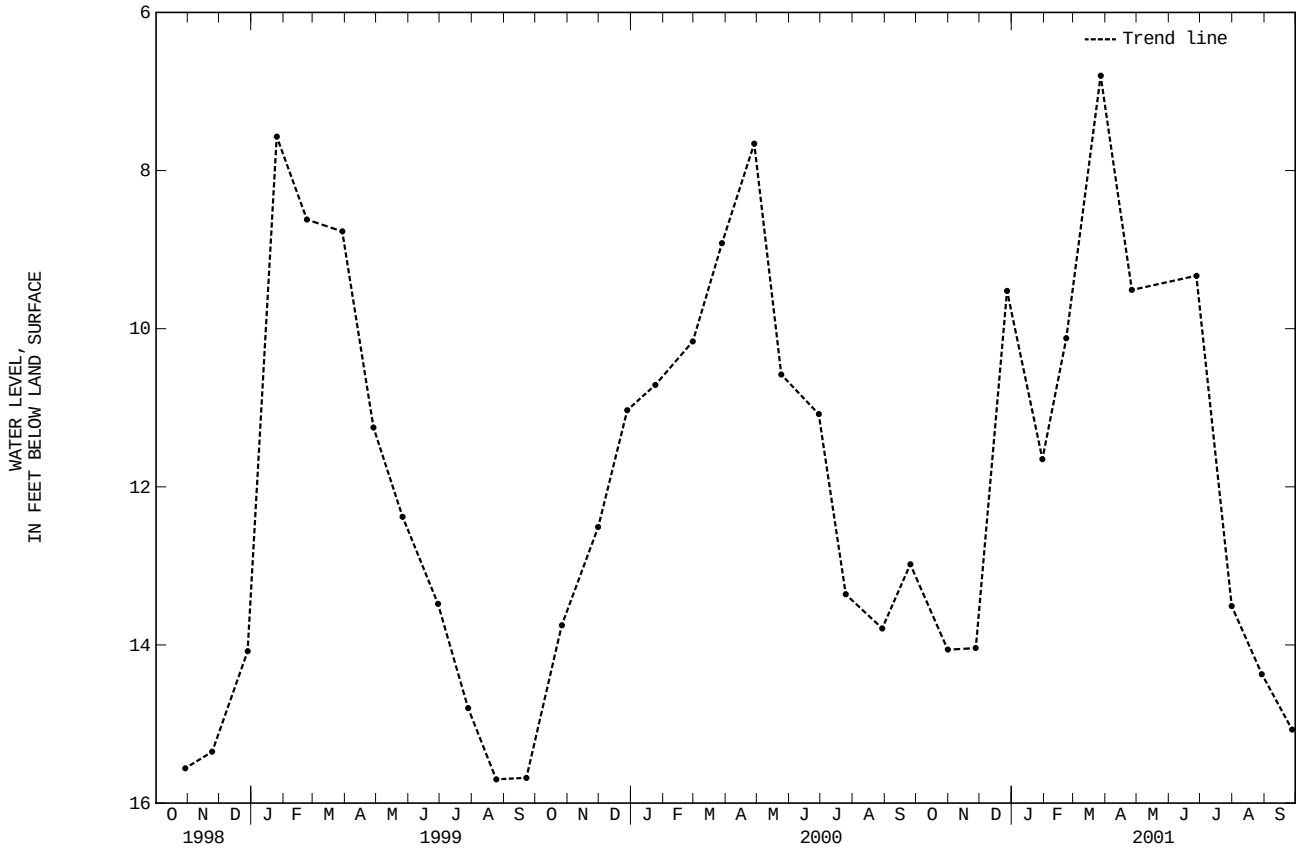
412931071514201. Local number, NSN 77.

LOCATION.--Lat 41°29'31", long 71°51'42", Hydrologic Unit 01090005, about 30 ft north of Wyassup Lake Rd., 0.1 mi east of entrance to cemetery, North Stonington; Ashaway quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 43 ft, PVC casing, screened 38 to 43 ft.
INSTRUMENTATION.--From October 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 520 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.00 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.99 ft below land-surface datum, Jan. 29, 1998; lowest water level measured, 17.33 ft below land-surface datum, Oct. 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	14.06	DEC 27	9.52	FEB 22	10.12	APR 26	9.51	JUL 31	13.51	SEP 27	15.07
NOV 27	14.04	JAN 30	11.65	MAR 27	6.80	JUN 27	9.33	AUG 29	14.37		

WATER YEAR 2001 HIGHEST 6.80 MAR 27, 2001 LOWEST 15.07 SEP 27, 2001



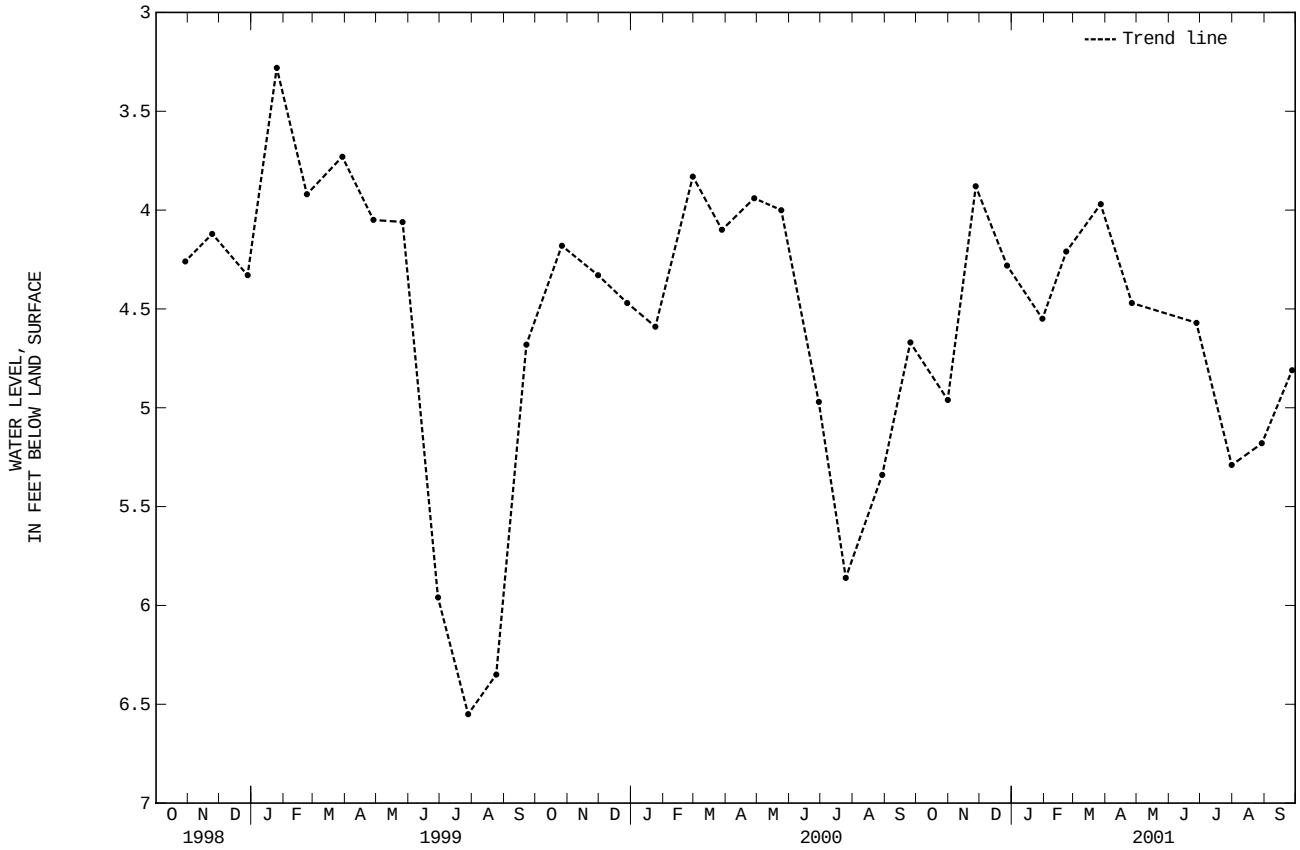
412746071510601. Local number, NSN 78.

LOCATION.--Lat 41°27'46", long 71°51'06", Hydrologic Unit 01090005, 5 ft north of Wyassup Lake Rd., 90 ft west of Hetchel Swamp Brook, North Stonington; Ashaway quadrangle. Owner: Connecticut Department of Environmental Protection.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 10 ft, PVC casing, screened 5 to 10 ft.
INSTRUMENTATION.--From October 1991 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 325 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 0.70 ft above land-surface datum.
PERIOD OF RECORD.-- October 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.93 ft below land-surface datum, Apr. 26, 1994; lowest water level measured, 7.08 ft below land-surface datum, Aug. 30, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	4.96	DEC 27	4.28	FEB 22	4.21	APR 26	4.47	JUL 31	5.29	SEP 27	4.81
NOV 27	3.88	JAN 30	4.55	MAR 27	3.97	JUN 27	4.57	AUG 29	5.18		

WATER YEAR 2001 HIGHEST 3.88 NOV 27, 2000 LOWEST 5.29 JUL 31, 2001



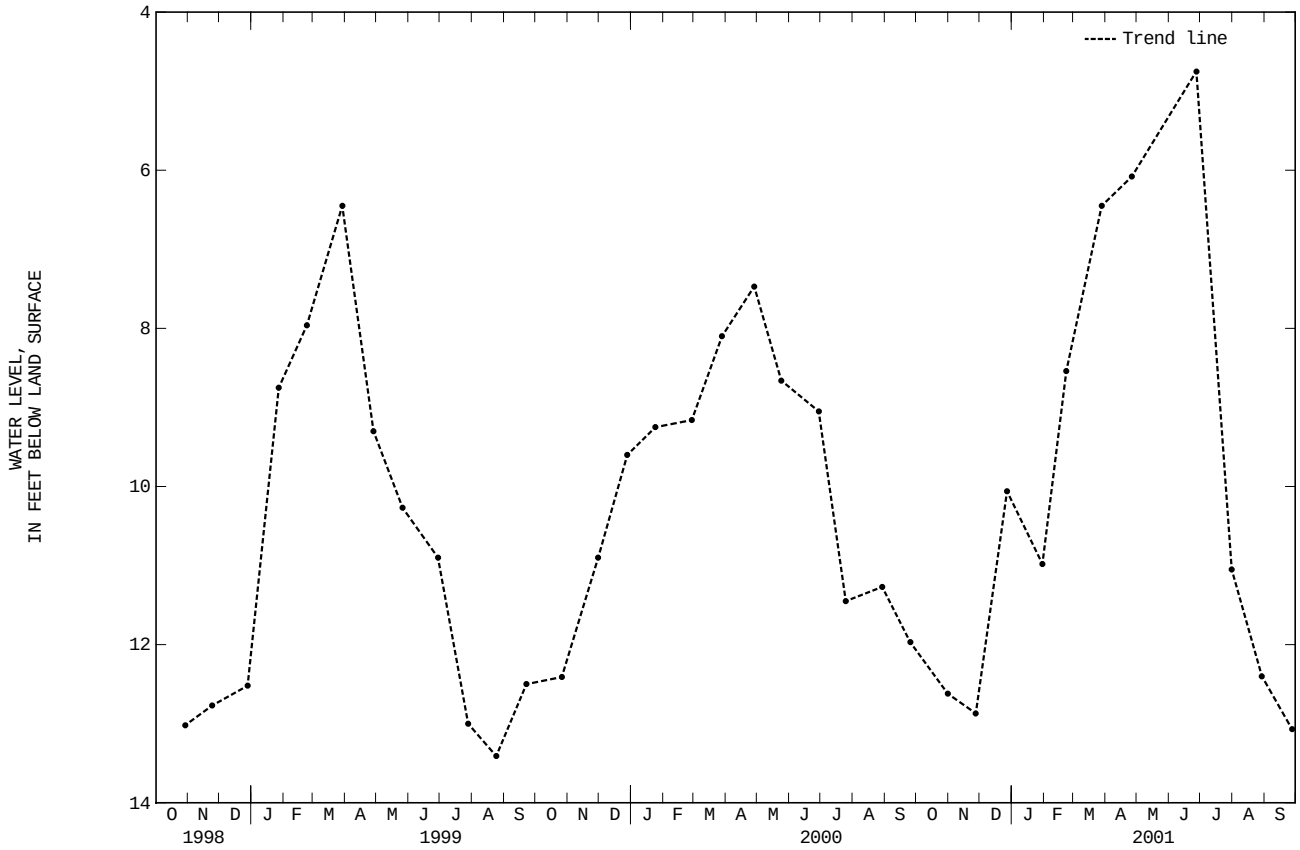
412824072173301. Local Number, SM 7.

LOCATION.--Lat 41°28'24", long 72°17'33", Hydrologic Unit 01080205, 100 ft east of State Rt. 11 northbound lane, 0.9 mi north of junction with Rt. 82, Salem; Hamburg quadrangle. Owner: Connecticut Department of Transportation.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 17 ft, plastic casing to 12 ft, screened 12 to 17 ft.
INSTRUMENTATION.--Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 238 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 1.70 ft above land-surface datum.
PERIOD OF RECORD.--March 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.75 ft below land-surface datum, June 27, 2001; lowest water level measured, 13.90 ft below land-surface datum, Oct. 30, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	12.62	DEC 27	10.06	FEB 22	8.54	APR 26	6.08	JUL 31	11.05	SEP 27	13.07
NOV 27	12.87	JAN 30	10.98	MAR 28	6.45	JUN 27	4.75	AUG 29	12.40		

WATER YEAR 2001 HIGHEST 4.75 JUN 27, 2001 LOWEST 13.07 SEP 27, 2001



TOLLAND COUNTY

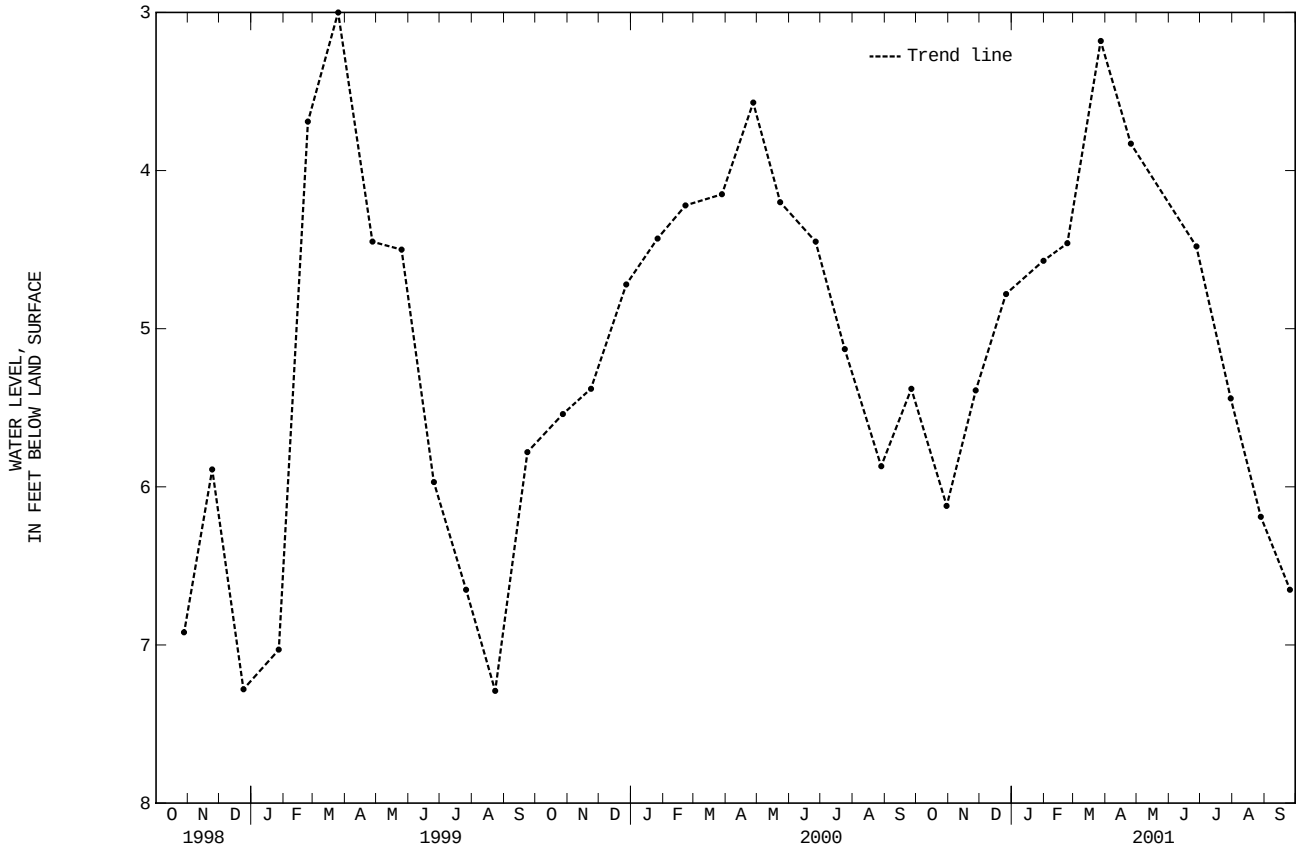
414833072190301. Local Number, CV 51.

LOCATION.--Lat 41°48'33", long 72°19'03", Hydrologic Unit 01100002, Southeast corner of hay field 165 ft east of Brigham Tavern Rd., 3,600 ft north of Rt. 44, Coventry; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 37 ft, PVC casing, slotted 35.5 to 37 ft.
INSTRUMENTATION.--From 1992 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.23 ft above land-surface datum.
PERIOD OF RECORD.--December 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.81 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 7.78 ft below land-surface datum, Sep. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	6.12	DEC 26	4.78	FEB 23	4.46	APR 25	3.83	JUL 30	5.44	SEP 25	6.65
NOV 27	5.39	JAN 31	4.57	MAR 27	3.18	JUN 27	4.48	AUG 28	6.19		

WATER YEAR 2001 HIGHEST 3.18 MAR 27, 2001 LOWEST 6.65 SEP 25, 2001



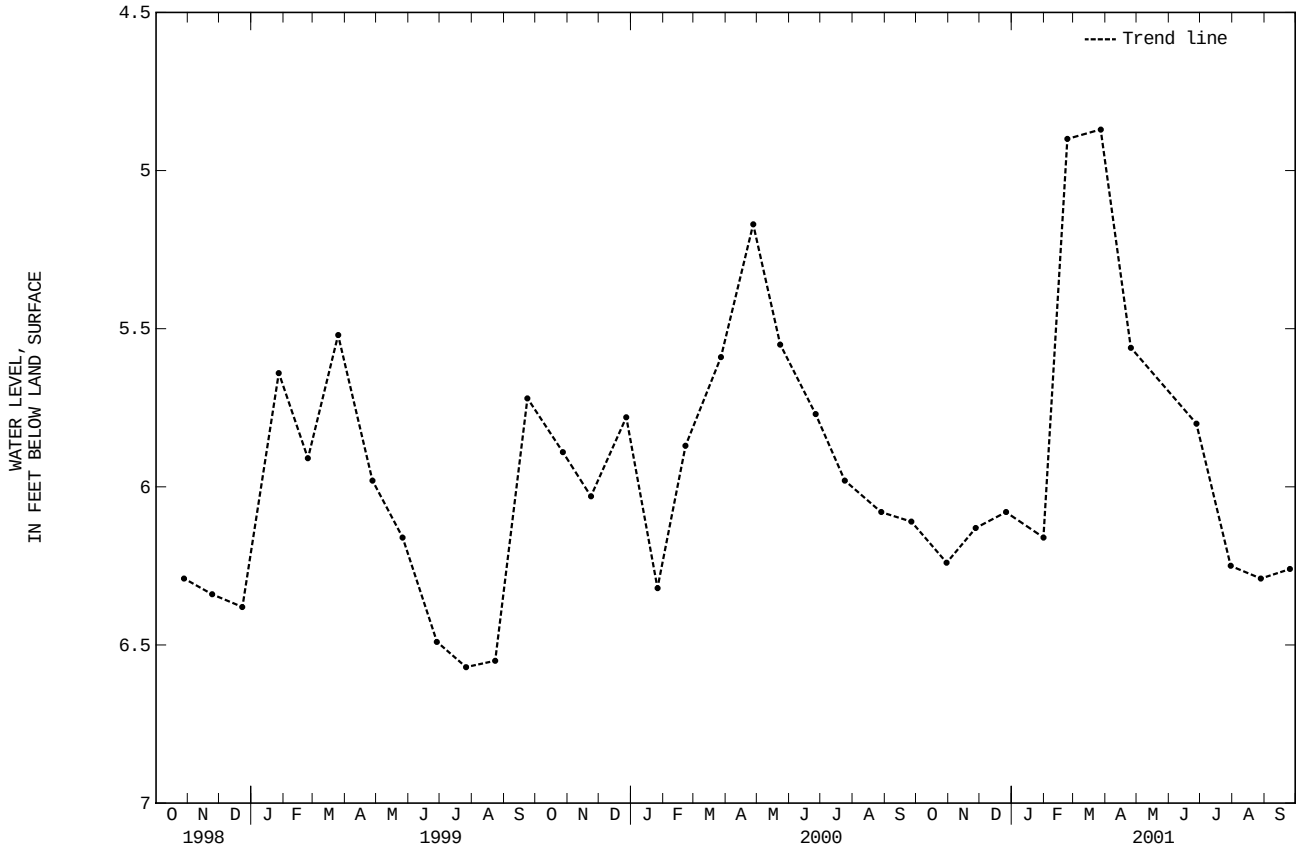
415458072291901. Local Number, EL 82.

LOCATION.--Lat 41°54'58", long 72°29'19", Hydrologic Unit 01080205, in Town recreation park, 1,000 ft north of State Rt. 140 and 1,000 ft west of Hatheway Rd., Ellington; Ellington quadrangle. Owner: Town of Ellington.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Drilled, unused, water-table well, diameter 2 in, depth 24.5 ft, stainless steel casing.
INSTRUMENTATION.-- From May 1994 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 193 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.53 ft above land-surface datum.
PERIOD OF RECORD.--May 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.87 ft below land-surface datum, Mar. 27, 2001; lowest water level measured, 8.35 ft below land-surface datum, May 11, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	6.24	DEC 26	6.08	FEB 23	4.90	APR 25	5.56	JUL 30	6.25	SEP 25	6.26
NOV 27	6.13	JAN 31	6.16	MAR 27	4.87	JUN 27	5.80	AUG 28	6.29		

WATER YEAR 2001 HIGHEST 4.87 MAR 27, 2001 LOWEST 6.29 AUG 28, 2001



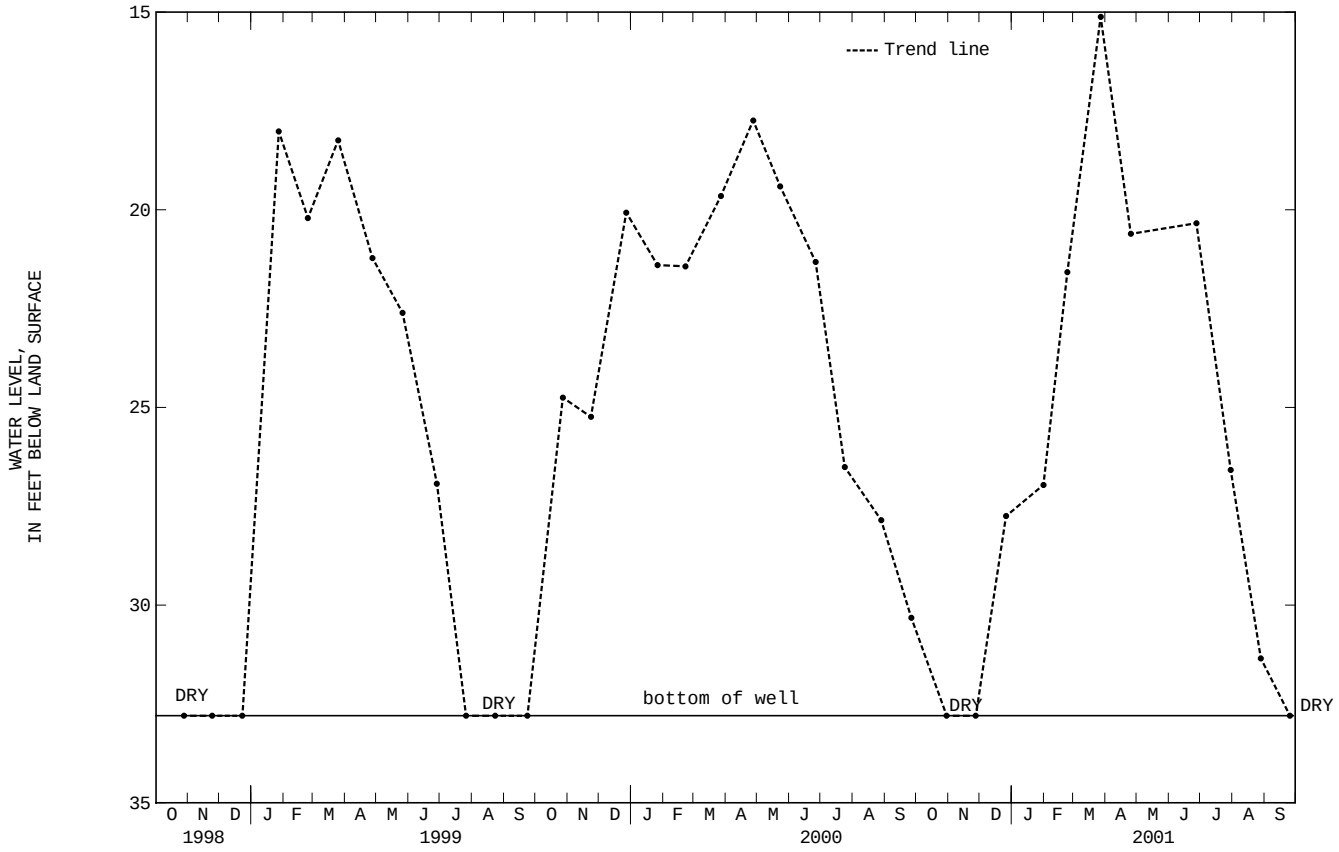
415640072275801. Local Number, EL 139.

LOCATION.--Lat 41°56'40", long 72°27'58", Hydrologic Unit 01080205, end of cul de sac, Overhill Rd., Ellington; Ellington quadrangle. Owner: Town of Ellington.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Drilled, unused, water-table well, diameter 2 in, depth 32.8 ft, PVC casing, slotted 25.5 to 37.0 ft.
INSTRUMENTATION.--From December 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 436 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 1.56 ft above land-surface datum.
PERIOD OF RECORD.--December 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.12 ft below land-surface datum, Mar. 27, 2001; lowest water level measured, dry (lower than 32.8 ft below land-surface datum), on numerous days.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	dry	DEC 26	27.75	FEB 23	21.58	APR 25	20.61	JUL 30	26.58	SEP 25	dry
NOV 27	dry	JAN 31	26.96	MAR 27	15.12	JUN 27	20.34	AUG 28	31.35		

WATER YEAR 2001 HIGHEST 15.12 MAR 27, 2001 LOWEST dry OCT 30, 2000; NOV 27, 2000; SEP 25, 2001



TOLLAND COUNTY--Continued

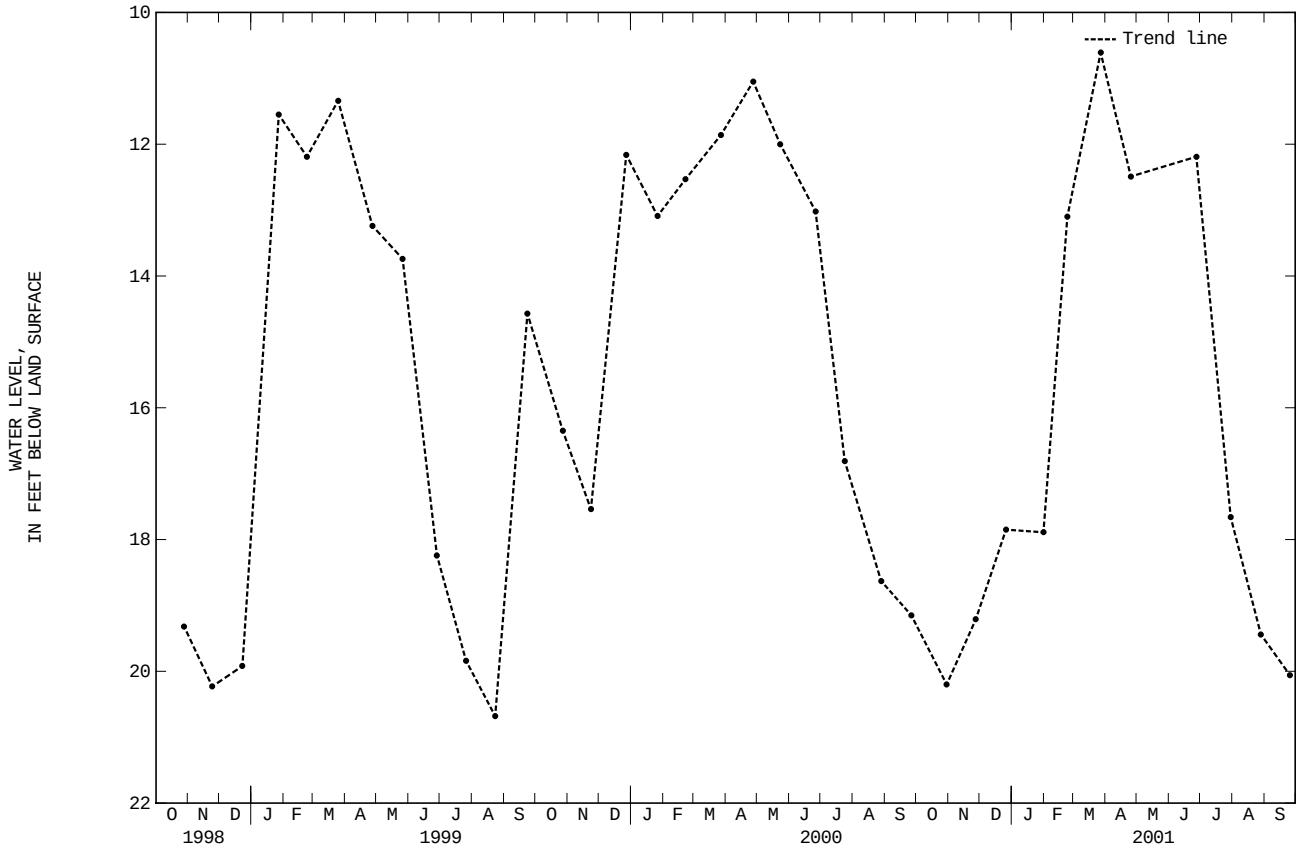
415312072280201. Local Number, EL 140.

LOCATION.--Lat 41°53'12", long 72°28'02", Hydrologic Unit 01080205, Metcalf nature trail, 10 ft north of Cedarwood Dr. directly across from intersection with Pinewood Lane, Ellington; Ellington quadrangle. Owner: Town of Ellington.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Drilled, unused, water-table well, diameter 2 in, depth 25.8 ft, PVC casing.
INSTRUMENTATION.--From December 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 380 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.36 ft above land-surface datum.
PERIOD OF RECORD.--December 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.27 ft below land-surface datum, Jan. 26, 1996; lowest water level measured, 21.04 ft below land-surface datum, Oct. 31, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	20.20	DEC 26	17.85	FEB 23	13.10	APR 25	12.49	JUL 30	17.66	SEP 25	20.06
NOV 27	19.21	JAN 31	17.89	MAR 27	10.61	JUN 27	12.19	AUG 28	19.44		

WATER YEAR 2001 HIGHEST 10.61 MAR 27, 2001 LOWEST 20.20 OCT 30, 2000



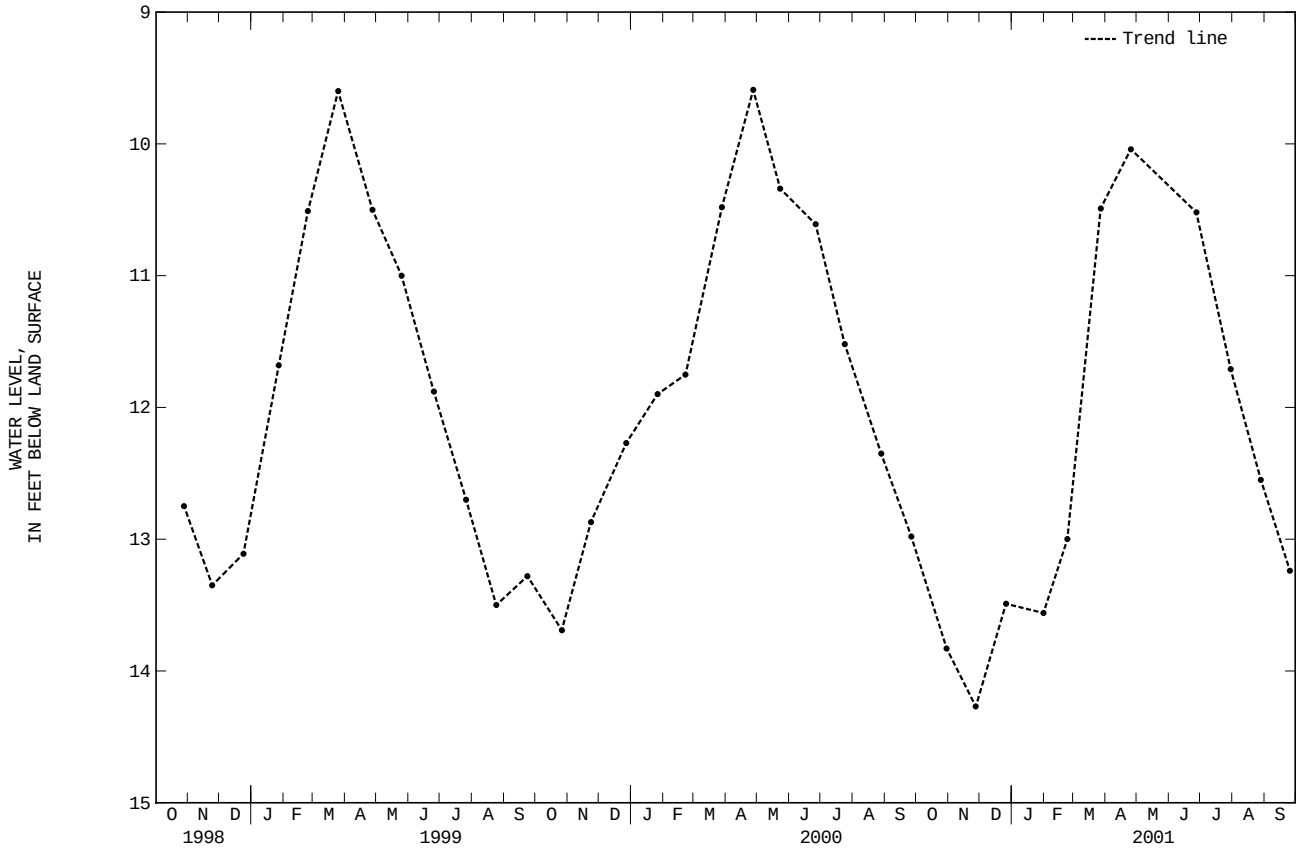
414548072114501. Local Number, MS 19.

LOCATION.--Lat 41°45'48", long 72°11'45", Hydrologic Unit 01100002, 400 ft east of State Rt. 195 and 225 ft north of Cemetery Rd., Mansfield; Spring Hill quadrangle. Owner: C.T. DeBoer.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 36 in, depth 21.3 ft, concrete tile.
INSTRUMENTATION.--Prior to July 1984 measurements made monthly; from July 1984 through September 1989 measurements made weekly; October 1989 through September 1993 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 260 ft above sea level, from topographic map. Measuring point: Top of tile, east side at land-surface datum.
PERIOD OF RECORD.--May 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.85 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 15.72 ft below land-surface datum, Jan. 26, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	13.83	DEC 26	13.49	FEB 23	13.00	APR 25	10.04	JUL 30	11.71	SEP 25	13.24
NOV 27	14.27	JAN 31	13.56	MAR 27	10.49	JUN 27	10.52	AUG 28	12.55		

WATER YEAR 2001 HIGHEST 10.04 APR 25, 2001 LOWEST 14.27 NOV 27, 2000



TOLLAND COUNTY--Continued

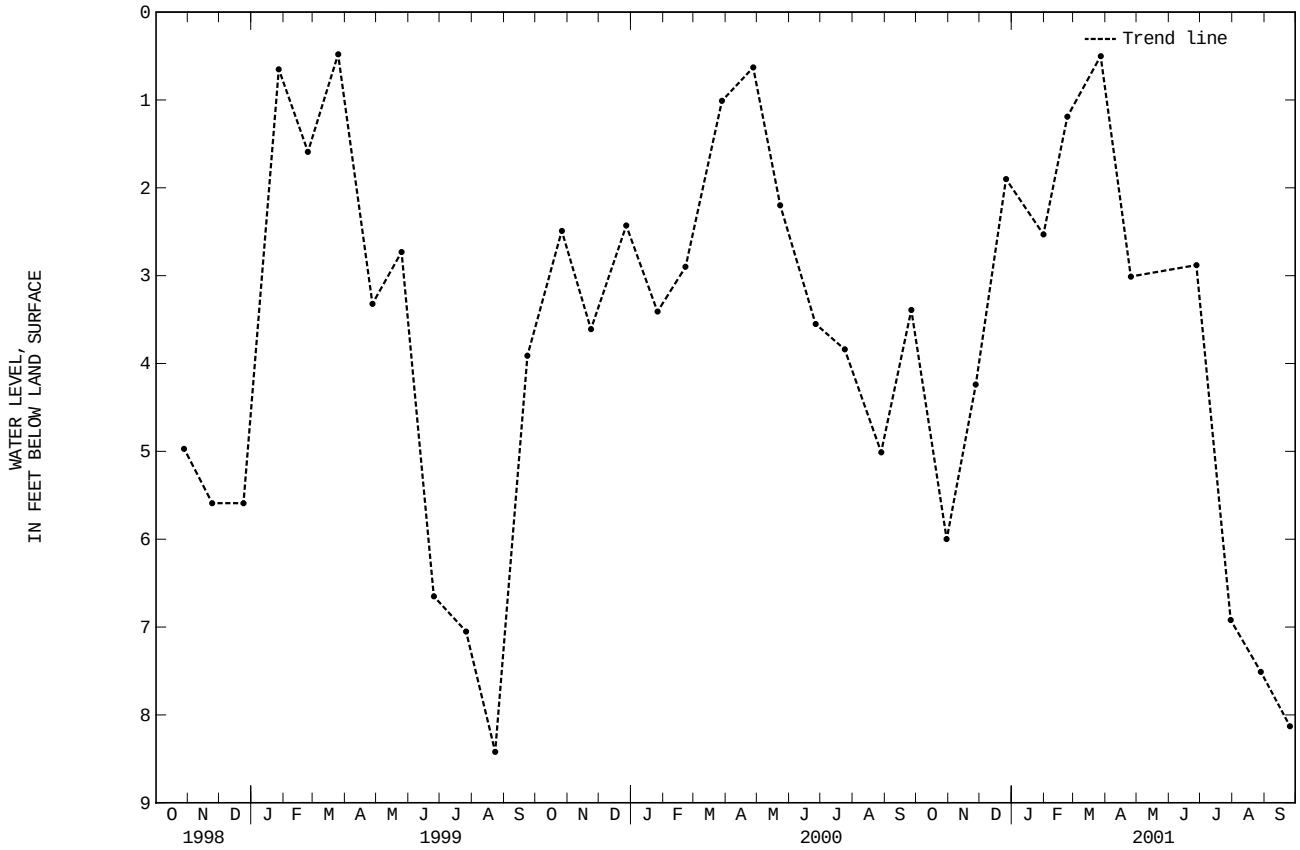
414741072134501. Local Number, MS 44.

LOCATION.--Lat 41°47'41", long 72°13'45", Hydrologic Unit 01100002, at School of Agronomy, University of Connecticut, Rt. 195 Mansfield, down access road to farm house, 150 ft from end of road, 40 ft south side of road; Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Glacial till of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.
INSTRUMENTATION.--Prior to May 1984 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 654 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--June 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.08 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 10.58 ft below land-surface datum, Sep. 28, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	6.00	DEC 26	1.90	FEB 23	1.19	APR 25	3.01	JUL 30	6.92	SEP 25	8.13
NOV 27	4.24	JAN 31	2.53	MAR 27	.50	JUN 27	2.88	AUG 28	7.51		

WATER YEAR 2001 HIGHEST .50 MAR 27, 2001 LOWEST 8.13 SEP 25, 2001



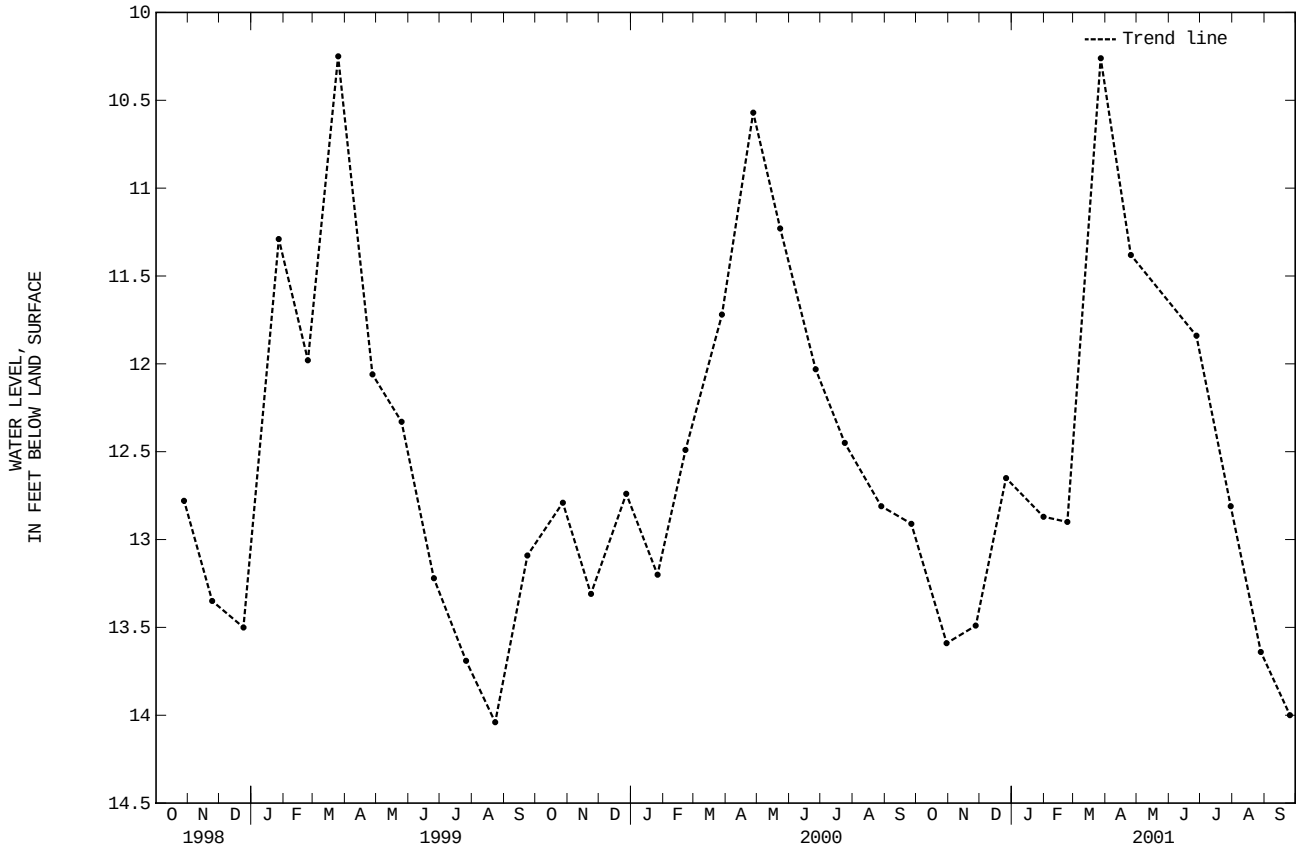
414825072185601. Local Number, MS 45.

LOCATION.--Lat 41°48'25", long 72°18'56", Hydrologic Unit 01100002, west side of corn field, 3,000 ft west of Rt. 32, 2,500 ft north of Rt. 44, 100 ft east of Willimantic River, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 18.4 ft, PVC casing, slotted 16.9 to 18.4 ft.
INSTRUMENTATION.--From July 1987 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 0.76 ft above land-surface datum.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.00 ft below land-surface datum, Mar. 31, 1993; lowest water level measured, 14.47 ft below land-surface datum, Sep. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	13.59	DEC 26	12.65	FEB 23	12.90	APR 25	11.38	JUL 30	12.81	SEP 25	14.00
NOV 27	13.49	JAN 31	12.87	MAR 27	10.26	JUN 27	11.84	AUG 28	13.64		

WATER YEAR 2001 HIGHEST 10.26 MAR 27, 2001 LOWEST 14.00 SEP 25, 2001



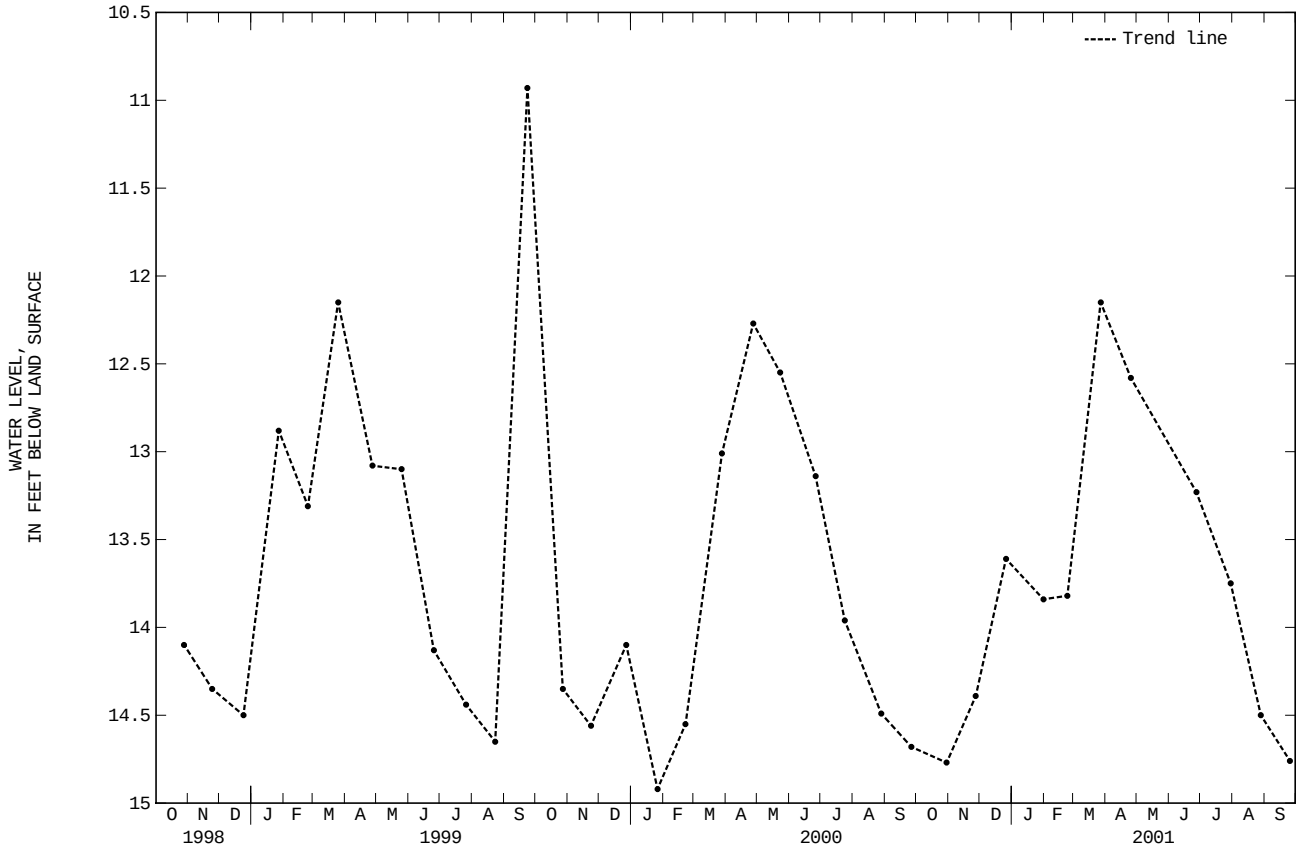
414825072185602. Local Number, MS 46.

LOCATION.--Lat 41°48'25", long 72°18'56", Hydrologic Unit 01100002, west side of corn field, 3,000 ft west of Rt. 32, 2,500 ft north of Rt. 44, 100 ft east of Willimantic River, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 41.25 ft, PVC casing, slotted 36.25 to 41.25 ft.
INSTRUMENTATION.--From July 1987 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.10 ft above land-surface datum.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.72 ft below land-surface datum, Mar. 31, 1993; lowest water level measured, 16.91 ft below land-surface datum, Sep. 29, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	14.77	DEC 26	13.61	FEB 23	13.82	APR 25	12.58	JUL 30	13.75	SEP 25	14.76
NOV 27	14.39	JAN 31	13.84	MAR 27	12.15	JUN 27	13.23	AUG 28	14.50		

WATER YEAR 2001 HIGHEST 12.15 MAR 27, 2001 LOWEST 14.77 OCT 30, 2000



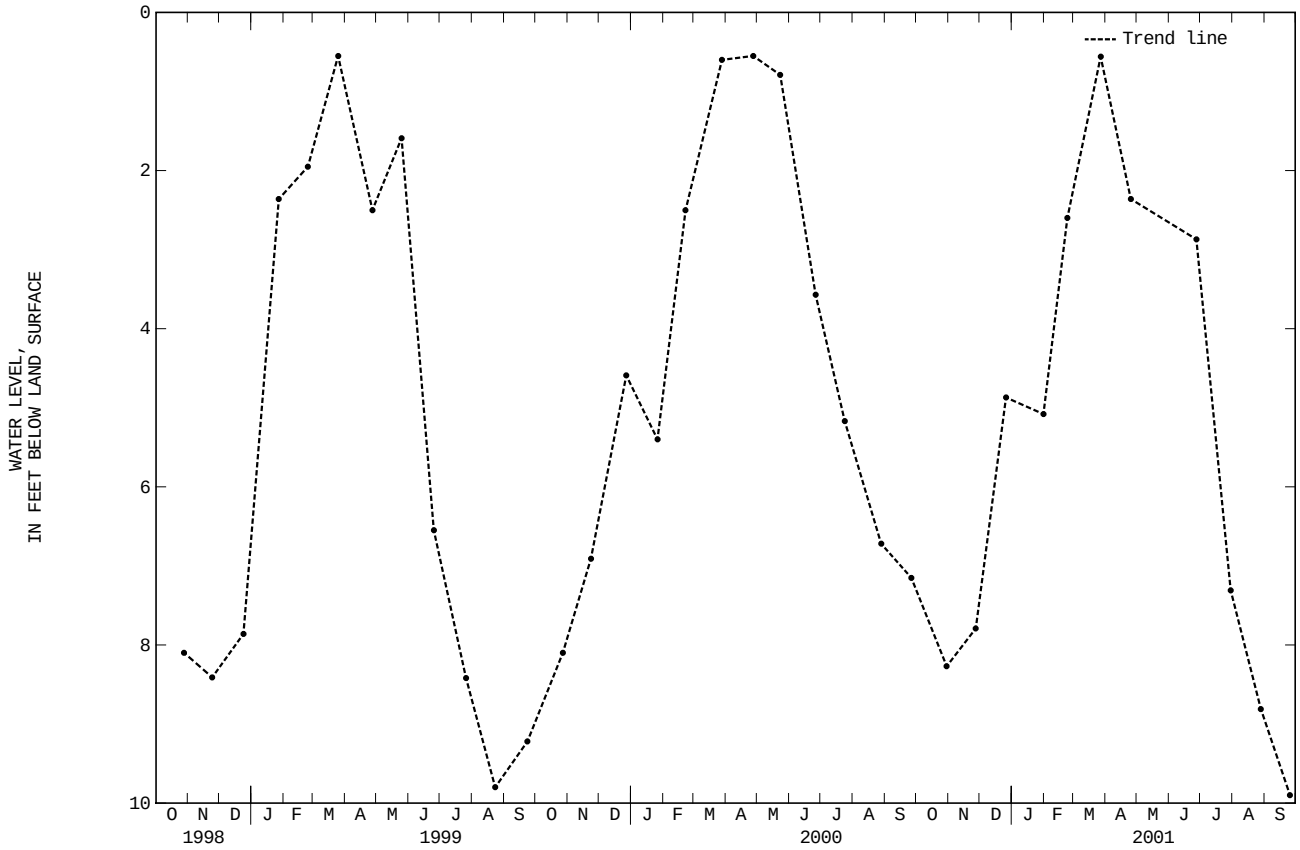
414843072182601. Local Number, MS 74.

LOCATION.--Lat 41°48'43", long 72°18'26", Hydrologic Unit 01100002, east side of corn field, 30 ft south of MS 77 and 3,200 ft north of intersection of Rts. 32 and 44, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 19.5 ft, PVC casing, slotted 14.5 to 19.5 ft.
INSTRUMENTATION.--From December 1992 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.0 ft above land-surface datum.
PERIOD OF RECORD.--December 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.14 ft above land-surface datum, Mar. 31, 1993; lowest water level measured, 10.85 ft below land-surface datum, Oct. 31, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	8.27	DEC 26	4.87	FEB 23	2.60	APR 25	2.36	JUL 30	7.31	SEP 25	9.90
NOV 27	7.79	JAN 31	5.08	MAR 27	.56	JUN 27	2.87	AUG 28	8.81		

WATER YEAR 2001 HIGHEST .56 MAR 27, 2001 LOWEST 9.90 SEP 25, 2001



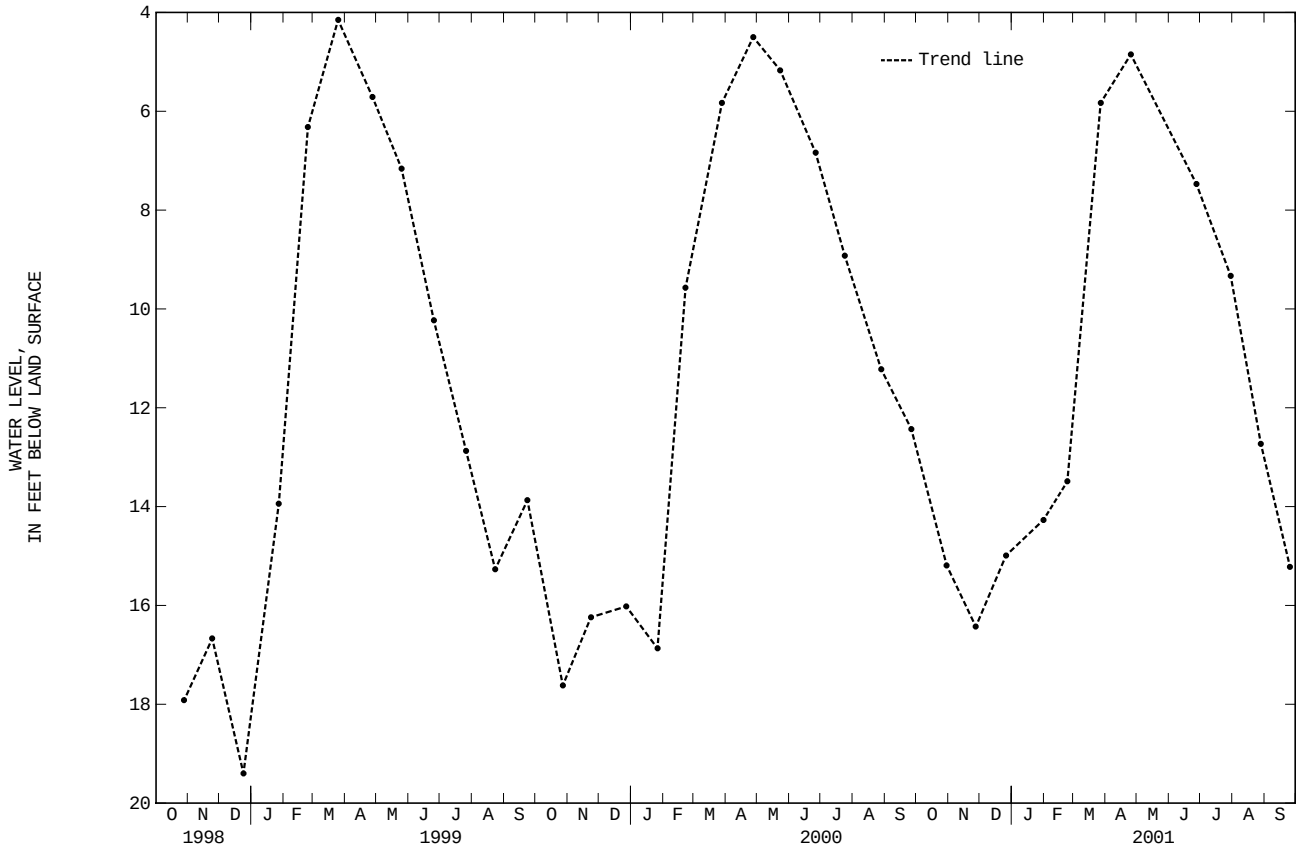
414815072183401. Local Number, MS 75.

LOCATION.--Lat 41°48'15", long 72°18'34", Hydrologic Unit 01100002, East side of corn field, 400 ft east of railroad tracks, 1,200 ft north of Rt. 44, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 31 ft, PVC casing, slotted 26 to 31 ft.
INSTRUMENTATION.--From December 1992 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 345 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.18 ft above land-surface datum.
PERIOD OF RECORD.--December 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.80 ft below land-surface datum, Dec. 27, 1996; lowest water level measured, 20.90 ft below land-surface datum, Nov. 24, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	15.19	DEC 26	14.99	FEB 23	13.49	APR 25	4.85	JUL 30	9.33	SEP 25	15.22
NOV 27	16.43	JAN 31	14.27	MAR 27	5.83	JUN 27	7.47	AUG 28	12.73		

WATER YEAR 2001 HIGHEST 4.85 APR 25, 2001 LOWEST 16.43 NOV 27, 2000



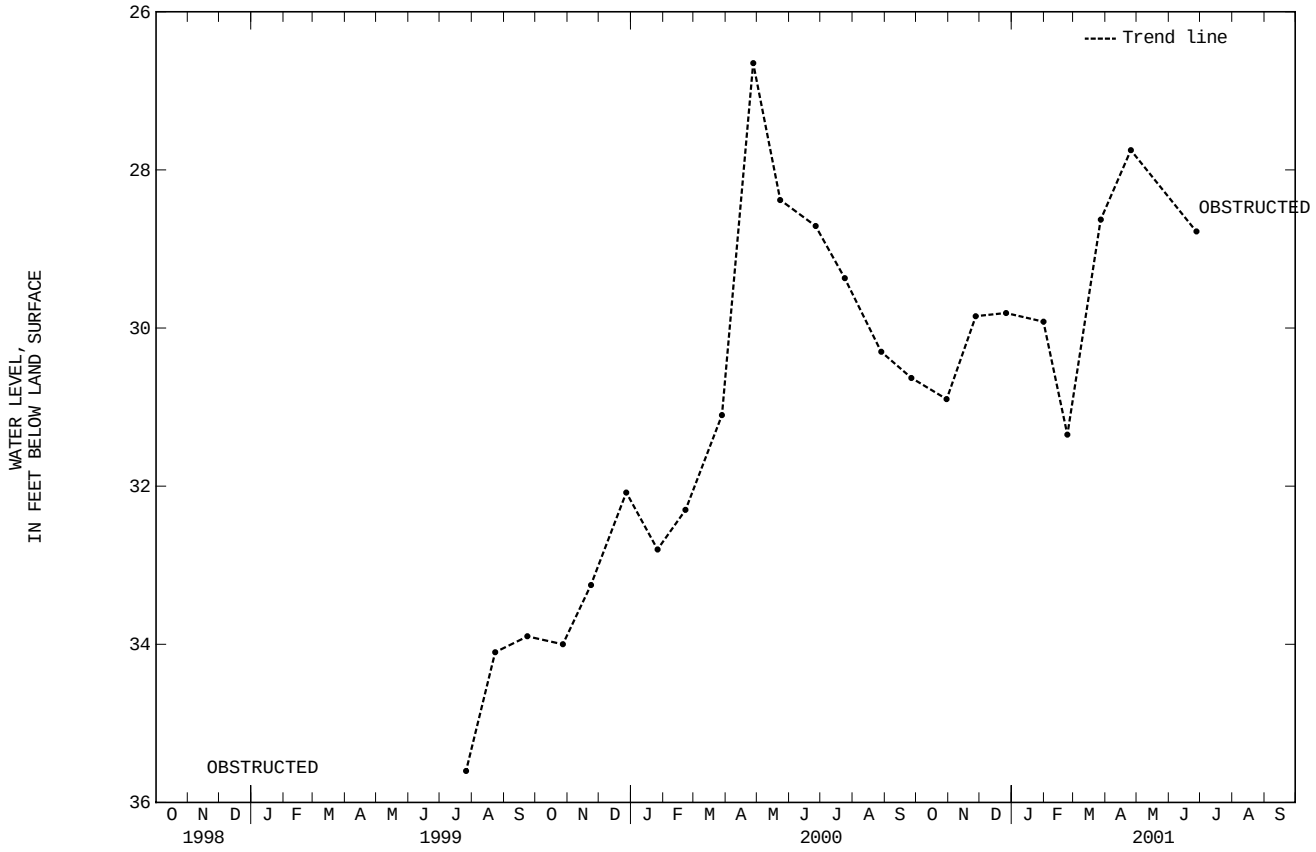
414814072183101. Local Number, MS 76.

LOCATION.--Lat 41°48'14", long 72°18'31", Hydrologic Unit 01100002, South edge of corn field 3,000 ft north of Rt. 44, 35 ft west of farm road, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 68.5 ft, PVC casing, slotted 63.5 to 68.5 ft.
INSTRUMENTATION.--From December 1992 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 330 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.20 ft above land-surface datum.
REMARKS.--Missing data due to well obstruction.
PERIOD OF RECORD.--December 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.65 ft below land-surface datum, Apr. 27, 2000; lowest water level measured, 35.92 ft below land-surface datum, Oct. 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	30.90	DEC 26	29.81	FEB 23	31.35	APR 25	27.75	JUL 30	obstructed	SEP 25	obstructed
NOV 27	29.85	JAN 31	29.92	MAR 27	28.63	JUN 27	28.78	AUG 28	obstructed		

WATER YEAR 2001 HIGHEST 27.75 APR 25, 2001 LOWEST 31.35 FEB 23, 2001



TOLLAND COUNTY--Continued

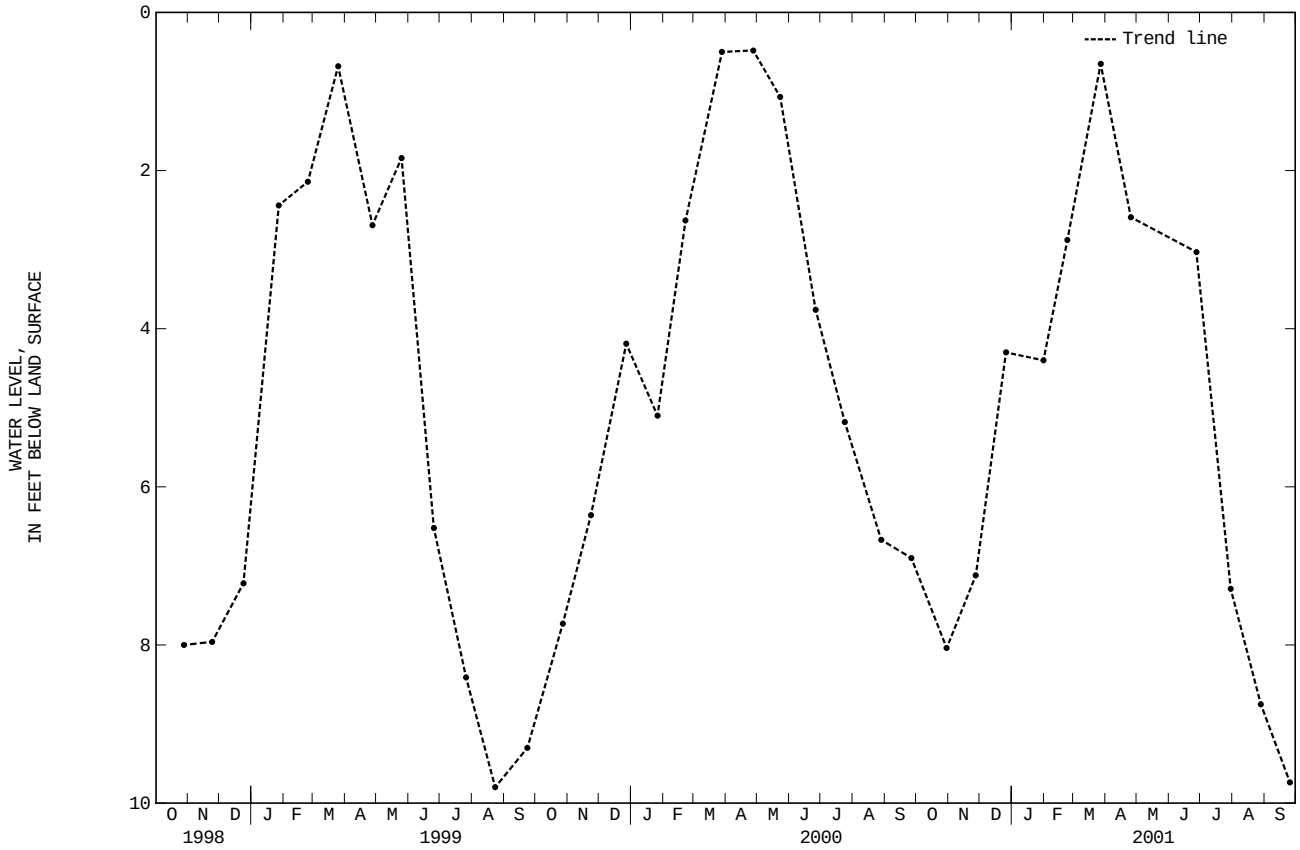
414844072182701. Local Number, MS 77.

LOCATION.--Lat 41°48'44", long 72°18'27", Hydrologic Unit 01100002, East side of corn field, 185 ft east of Rt. 44, 30 ft north of MS 74, 3,200 ft north of intersection of Rts. 32 and 44, Mansfield; Coventry quadrangle. Owner: University of Connecticut.
AQUIFER.--Stratified drift of Pleistocene age.
WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 50 ft, PVC casing, slotted 45 to 50 ft.
INSTRUMENTATION.--From July 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--July 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 10.68 ft below land-surface datum, Oct. 31, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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 30	8.04	DEC 26	4.30	FEB 23	2.88	APR 25	2.59	JUL 30	7.29	SEP 25	9.74
NOV 27	7.12	JAN 31	4.40	MAR 27	.65	JUN 27	3.03	AUG 28	8.75		

WATER YEAR 2001 HIGHEST .65 MAR 27, 2001 LOWEST 9.74 SEP 25, 2001



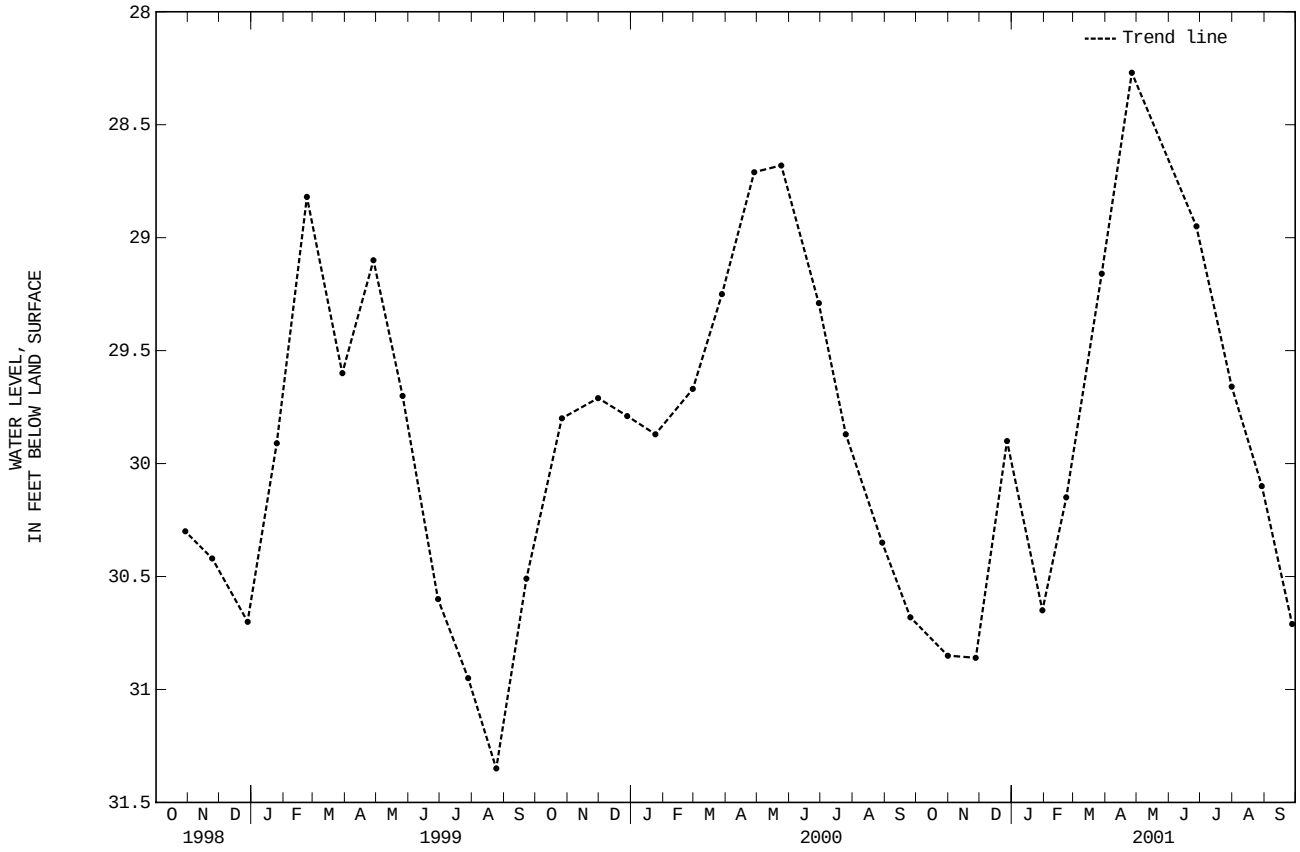
414054071552001. Local Number, PL 1.

LOCATION.--Lat 41°40'54", long 71°55'20", Hydrologic Unit 01100001, 195 ft south of Pleasant St., 1,300 ft east of junction with State Rt. 14, in left corner of back yard. Plainfield; Plainfield quadrangle. Owner: Clifford Starkweather.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 36 in, depth 34 ft, brick-lined.
INSTRUMENTATION.--Analog recorder installed April 12, 1985 and removed September 2, 1985. Prior to November 1990 measurements made monthly; from November 1990 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 180 ft above sea level, from topographic map. Measuring point: Top of stone curb at land-surface datum.
REMARKS.--Water levels affected by use of well for irrigation during July and August, 1997.
PERIOD OF RECORD.--October 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.19 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 33.21 ft below land-surface datum, Feb. 10, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	30.85	DEC 27	29.90	FEB 22	30.15	APR 26	28.27	JUL 31	29.66	SEP 27	30.71
NOV 27	30.86	JAN 30	30.65	MAR 28	29.16	JUN 27	28.95	AUG 29	30.10		

WATER YEAR 2001 HIGHEST 28.27 APR 26, 2001 LOWEST 30.86 NOV 27, 2000



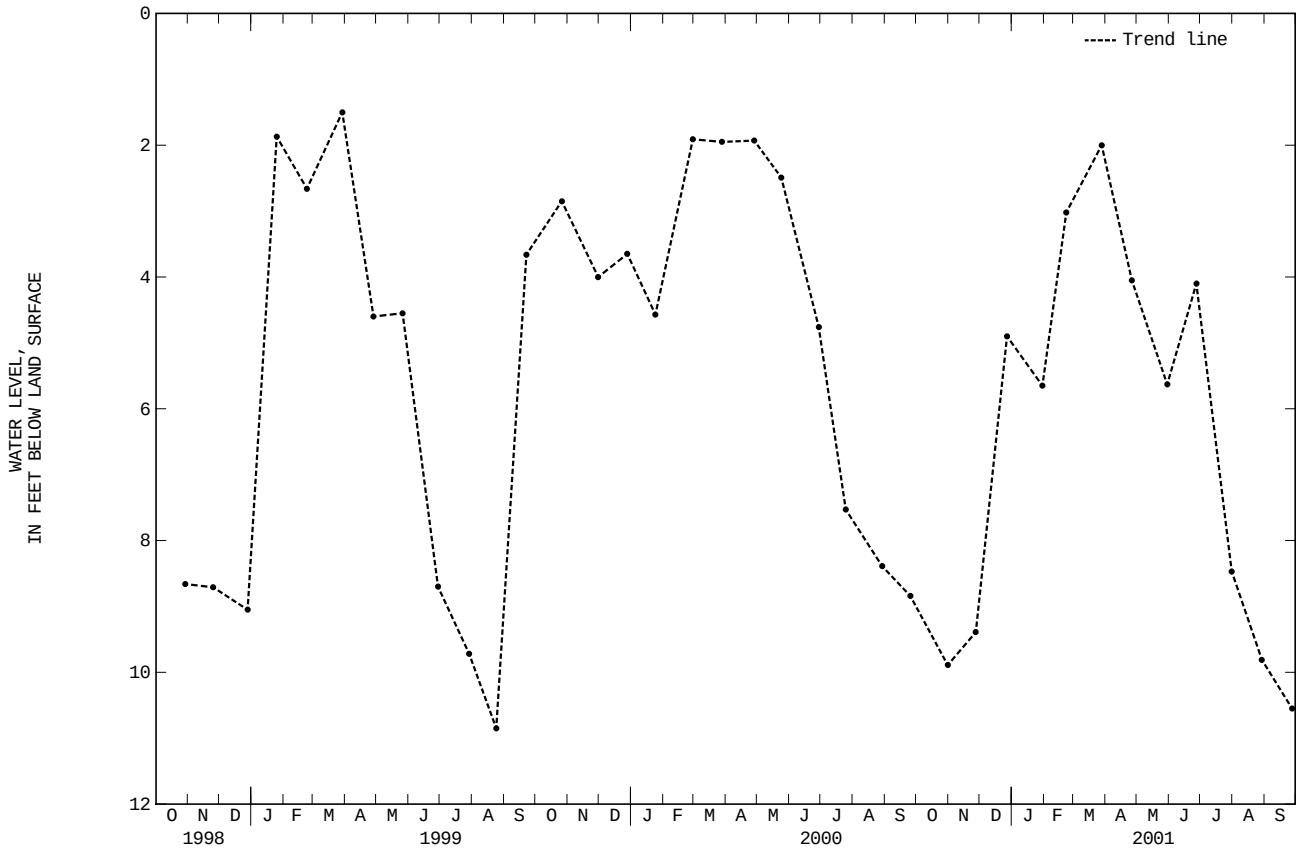
414243072040501. Local Number, SC 19.

LOCATION.-- Lat 41°42'43", long 72°04'05", Hydrologic unit 01100002, hilltop site at Pudding Hill Wildlife Management Area. As of March 29, 1999 name changed to James V. Spignesi, Jr. Wildlife Area. Off State Rt. 97 along south side of field road about 100 ft east of Rt. 97; Scotland; Scotland quadrangle. Owner: State of Connecticut Department of Environmental Protection.
AQUIFER.-- Till of Pleistocene age.
WELL CHARACTERISTICS.-- Bored, unused, water table well, diameter 2 in, depth 21 ft, PVC casing, slotted 18 to 21 ft.
INSTRUMENTATION.--Prior to October 28, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel. ADR water-level recorder with 60-minute punch installed October 28, 1988, removed 1992. From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements since October 1993 made by USGS personnel.
DATUM.--Elevation of land-surface datum is 498 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 1.28 ft above land-surface datum.
PERIOD OF RECORD.-- December 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.95 ft below land-surface datum, June 10, 1989; lowest water level measured, 11.60 ft below land-surface datum, Sep. 28, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	9.89	DEC 27	4.90	FEB 22	3.02	APR 26	4.05	JUN 27	4.10	AUG 29	9.81
NOV 27	9.39	JAN 30	5.65	MAR 28	2.00	MAY 30	5.63	JUL 31	8.47	SEP 27	10.55

WATER YEAR 2001 HIGHEST 2.00 MAR 28, 2001 LOWEST 10.55 SEP 27, 2001



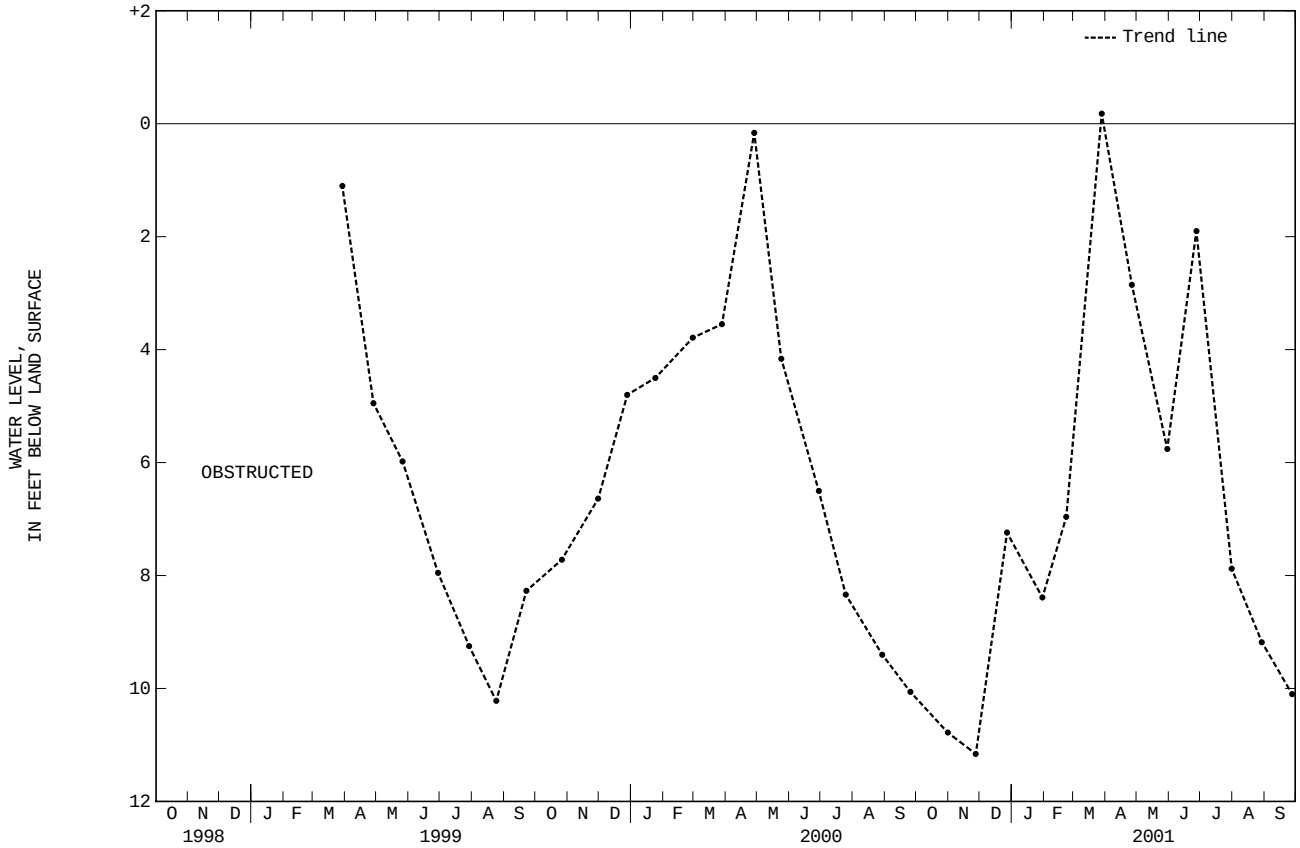
414237072034401. Local Number, SC 20.

LOCATION.-- Lat 41°42'37", long 72°03'44", Hydrologic unit 01100002, hillside site at Pudding Hill Wildlife Management area. As of March 29, 1999 name changed to James V. Spignesi, Jr. Wildfile Area. Off State Rt. 97 along field road on south side about 2,300 ft east of Rt. 97; Scotland; Scotland quadrangle. Owner: State of Connecticut Department of Environmental Protection.
AQUIFER.-- Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.-- Bored, unused, water table well, diameter 2 in, depth 19 ft, PVC casing, slotted 16 to 19 ft.
INSTRUMENTATION.--Prior to November 8, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel. ADR water-level recorder with 60-minute punch installed November 8, 1988, removed 1992. From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements since October 1993 made by USGS personnel.
DATUM.-- Elevation of land-surface datum is 350 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 2.35 ft above land-surface datum.
REMARKS.--Missing data due to well obstruction.
PERIOD OF RECORD.--December 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.50 ft above land-surface datum, Apr. 9, 1987; lowest water level measured, 11.76 ft below land-surface datum, Oct. 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	10.78	DEC 27	7.24	FEB 22	6.96	APR 26	2.85	JUN 27	1.90	AUG 29	9.18
NOV 27	11.16	JAN 30	8.39	MAR 28	+.18	MAY 30	5.76	JUL 31	7.88	SEP 27	10.10

WATER YEAR 2001 HIGHEST +.18 MAR 28, 2001 LOWEST 11.16 NOV 27, 2000



WINDHAM COUNTY--Continued

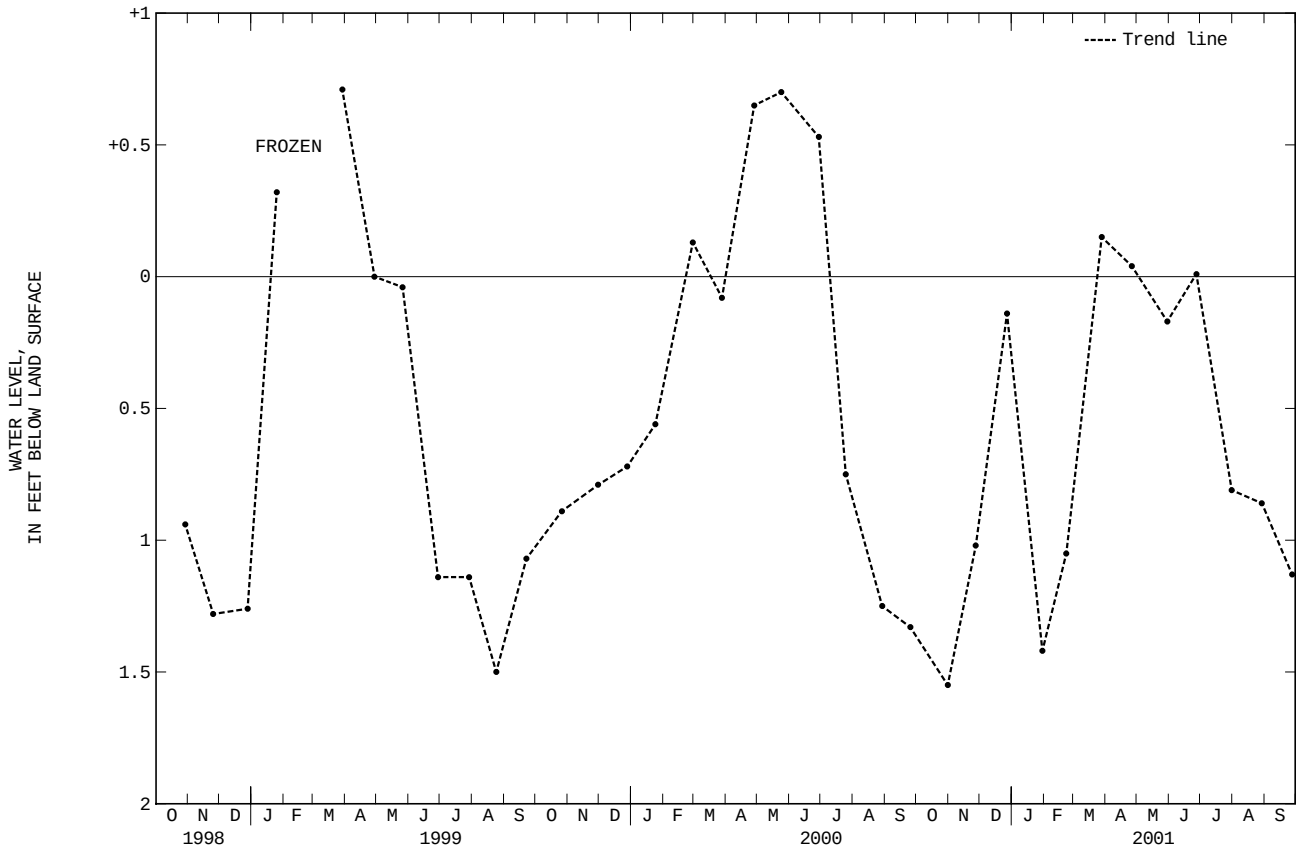
414240072032201. Local Number, SC 21.

LOCATION.--Lat 41°42'40", long 72°03'22", Hydrologic unit 01100002, at Pudding Hill Wildlife Management area. As of March 26, 1999 name changed to James V. Spignesi, Jr. Wildlife Area. Off State Rt. 97 at end of field road near stream about 4,000 ft east of Rt. 97; Scotland; Scotland quadrangle. Owner: State of Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 31 ft, PVC casing, screened 28 to 31 ft.
INSTRUMENTATION.--Prior to November 8, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel. ADR water-level recorder with 60-minute punch installed November 8, 1988 Removed October 14, 1990. From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements since October 1993 made by USGS personnel.
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 3.96 ft above land-surface datum.
PERIOD OF RECORD.--December 1983 to October 1990 and August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, flowing at 3.96 ft above land-surface datum, June 30, 1997; lowest water level measured, 2.11 ft below land-surface datum, Sep. 28, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	1.55	DEC 27	.14	FEB 22	1.05	APR 26	+.04	JUN 27	+.01	AUG 29	.86
NOV 27	1.02	JAN 30	1.42	MAR 28	+.15	MAY 30	.17	JUL 31	.81	SEP 27	1.13

WATER YEAR 2001 HIGHEST +.15 MAR 28, 2001 LOWEST 1.55 OCT 31, 2000



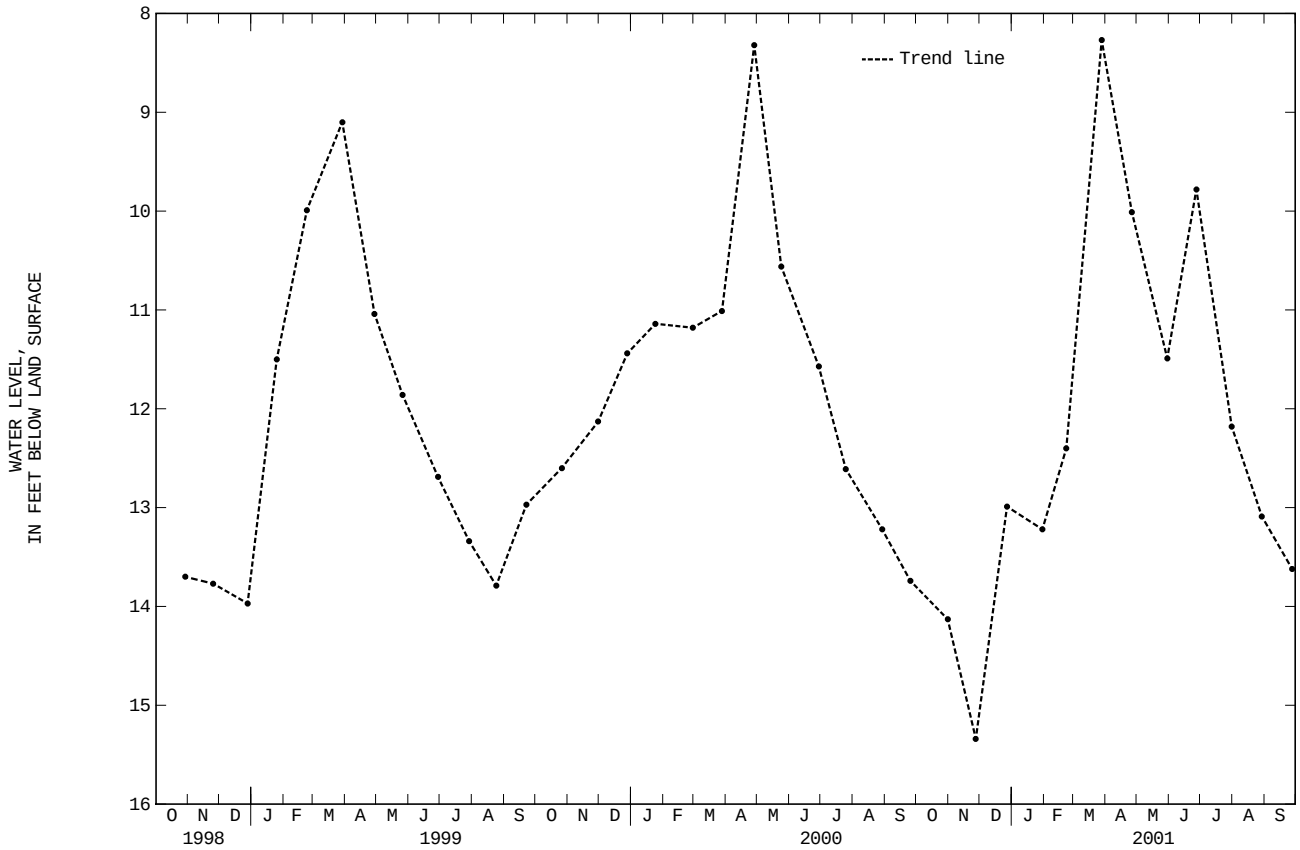
414240072033201. Local Number, SC 22.

LOCATION.--Lat 41°42'40", long 72°03'32", Hydrologic unit 01100002, hillside site at Pudding Hill Wildlife Management area. As of March 29, 1999 name changed to James V. Spignesi, Jr. Wildlife Area. Off State Rt. 97 along north side of field road about 3,300 ft east of Rt. 97; Scotland; Scotland quadrangle. Owner: State of Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 26 ft, PVC casing, slotted 24.5 to 26 ft.
INSTRUMENTATION.--Prior to November 8, 1988 measurements made monthly with a chalked tape by Natural Resources Center personnel. ADR water-level recorder with 60-minute punch installed November 8, 1988, removed 1992. From October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements since October 1993 made by USGS personnel.
DATUM.--Elevation of land-surface datum is 315 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 2.11 ft above land-surface datum.
PERIOD OF RECORD.--October 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.62 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 16.00 ft below land-surface datum, Oct. 2, 1984.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	14.13	DEC 27	12.99	FEB 22	12.40	APR 26	10.01	JUN 27	9.78	AUG 29	13.09
NOV 27	15.34	JAN 30	13.22	MAR 28	8.27	MAY 30	11.49	JUL 31	12.18	SEP 27	13.62

WATER YEAR 2001 HIGHEST 8.27 MAR 28, 2001 LOWEST 15.34 NOV 27, 2000



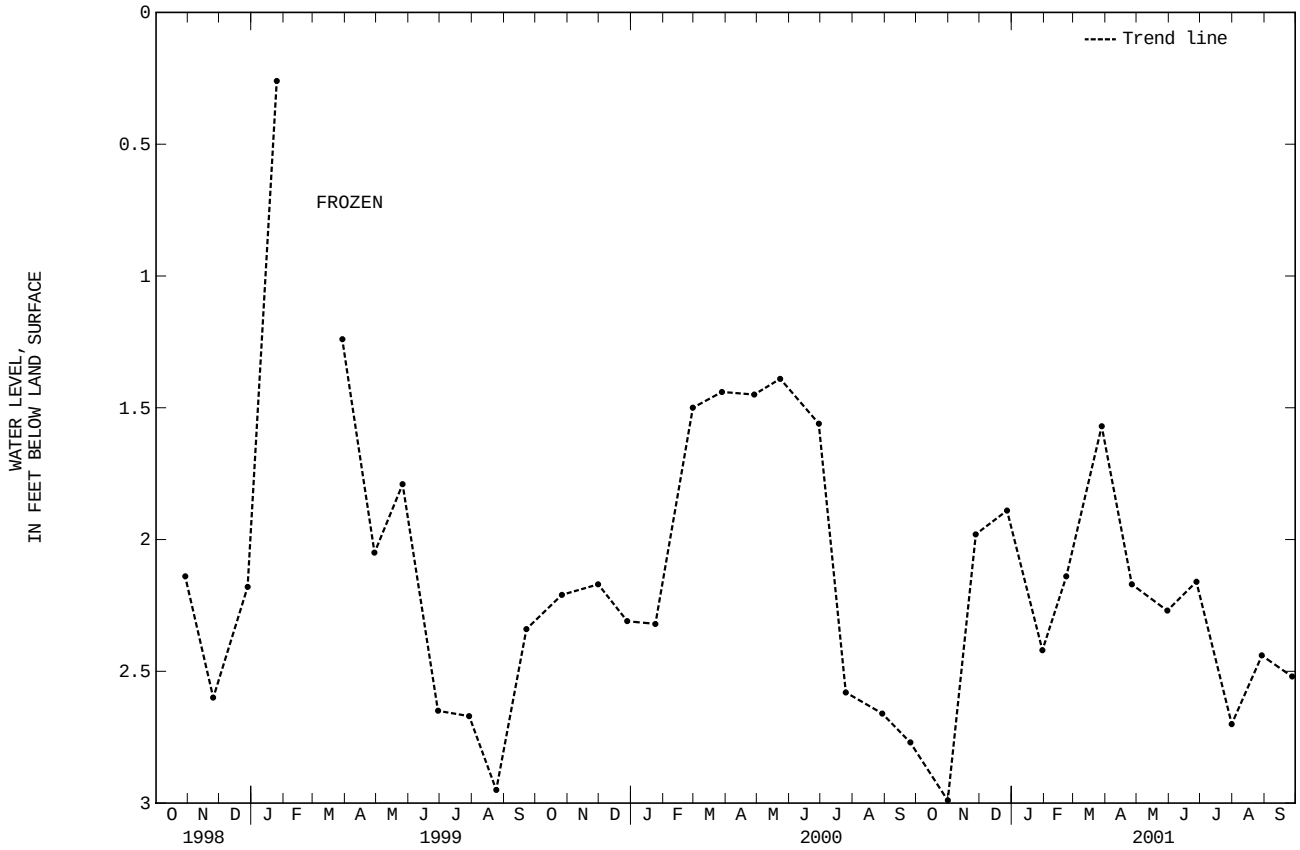
414240072032202. Local Number, SC 23.

LOCATION.--Lat 41°42'40", long 72°03'22", Hydrologic unit 01100002, at Pudding Hill Wildlife Management area. As of March 29, 1999 name changed to James V. Spignesi, Jr. Wildlife Area. Off State Rt. 97 at end of field road near stream about 4,000 ft east of Rt. 97; Scotland; Scotland quadrangle. Owner: State of Connecticut Department of Environmental Protection.
AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).
WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 5.2 ft.
INSTRUMENTATION.--From December 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. All measurements made by USGS personnel.
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map.
PERIOD OF RECORD.--December 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, flowing at 0.91 ft above land-surface datum, June 30, 1998; lowest water level measured, 3.28 ft below land-surface datum, Aug. 27, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, 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	2.99	DEC 27	1.89	FEB 22	2.14	APR 26	2.17	JUN 27	2.16	AUG 29	2.44
NOV 27	1.98	JAN 30	2.42	MAR 28	1.57	MAY 30	2.27	JUL 31	2.70	SEP 27	2.52

WATER YEAR 2001 HIGHEST 1.57 MAR 28, 2001 LOWEST 2.99 OCT 31, 2000



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