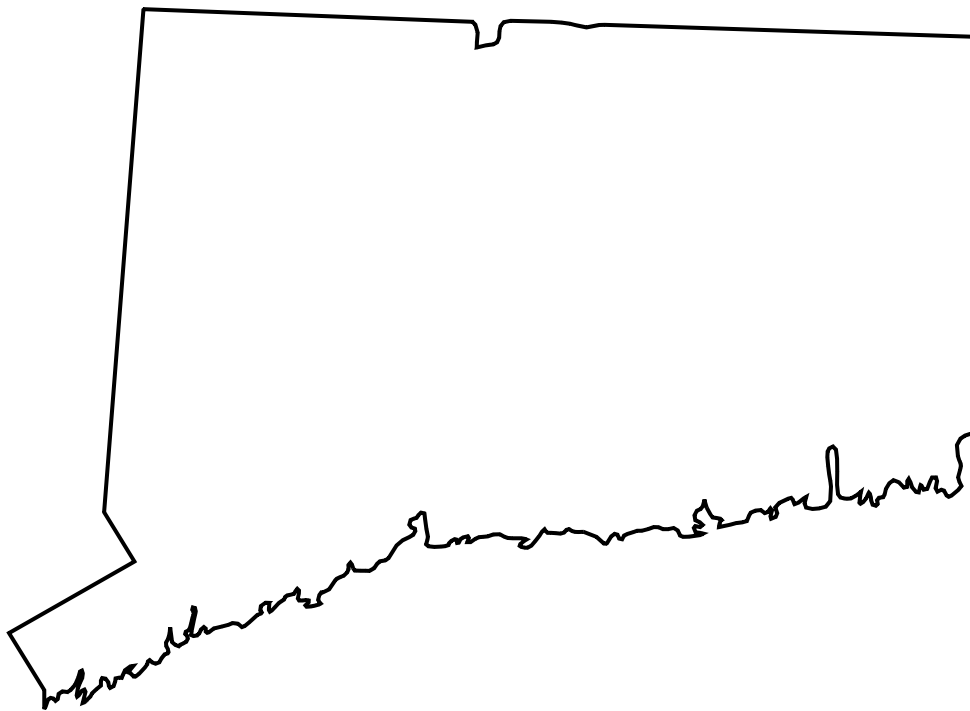


Prepared in cooperation with the State of Connecticut and other agencies

Water Resources Data Connecticut Water Year 2003



Water-Data Report CT-03-1

Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second-per-day [(ft ³ /s/d)]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.223×10^3	cubic meter (m ³)
	1.223×10^{-3}	cubic hectometer (hm ³)
	1.223×10^{-6}	cubic kilometer (km ³)
Flow rate		
cubic foot per second (ft ³ /s)	2.832×10^1	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

Water Resources Data Connecticut Water Year 2003

By Jonathan Morrison, J.A. Organek, J.W. Martin, and J.R. Norris

Water-Data Report CT-03-1

Prepared by the Connecticut District Office, East Hartford, Connecticut, in cooperation with the State of Connecticut and with other agencies

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

U.S. Department of the Interior

Gale A. Norton, Secretary

U.S. Geological Survey

Charles G. Groat, Director

2003

U.S. Geological Survey

12201 Sunrise Valley Drive, Reston, VA 20192

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13. ABSTRACT <i>(Maximum 200 words)</i> This report includes records on both surface and ground water in the State. Specifically, it contains: (1) discharge records for 51 streamflow-gaging stations, and for 47 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 74 observation wells. Additional data were collected at various sites not part of the systematic data-collection program and are published as miscellaneous sites.			
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PREFACE

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to the Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

Elizabeth A. Ahearn	Barbara A. Korzendorfer
Karen M. Beaulieu	Jason M. Lewis
Jacob R. Bohr	Remo A. Mondazzi
Craig J. Brown	John R. Mullaney
Michael J. Colombo	S. Lyle Phipps
Bruce S. Davies, 3rd	Jason M. Pollender
Timothy W. Frick	Paul L. Provencher
Stephen J. Grady	J. Jeffrey Starn
Douglas P. Grant	Thomas J. Trombley
Guy K. Holzer	Staunton Williams, Jr.

This report was prepared in cooperation with the State of Connecticut and with other agencies under the general supervision of Virginia de Lima, Chief, Connecticut District.

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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	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
Quinebaug River at Quinebaug (d,c,m)	01124000	68
Quinebaug River at West Thompson (d,c)	01124151	72
French River at North Grosvenordale (d,c,m)	01125100	76
Quinebaug River at Putnam (d,c,m)	01125500	80
Quinebaug River at Cotton Rd. Bridge near Pomfret Landing (c,m)	01125520	84
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Reservoirs in Thames River Basin		94
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Connecticut River:		
Connecticut River at I-391 Bridge at Holyoke, MA (d)	01172010	96
Connecticut River at Thompsonville (d,c,m)	01184000	98
Stony Brook near West Suffield (d)	01184100	114
Scantic River:		
Broad Brook at Broad Brook (d,c,m)	01184490	116
Farmington River:		
West Branch Farmington River at Riverton (d)	01186000	120
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Hubbard River (head of East Branch Farmington River) near West Hartland (d)	01187300	124
Burlington Brook near Burlington (d,c,m)	01188000	126
Farmington River at Unionville (d,c,m)	01188090	130
Pequabuck River at Forestville (d)	01189000	134
Pequabuck River at Farmington (c,m)	01189030	136
Farmington River at Tariffville (d,c,m)	01189995	138
Connecticut River at Hartford (c,m,e)	01190070	142
Hockanum River:		
Hockanum River near Rockville (c,m)	01192050	154
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Mattabeset River:		
Mattabeset River at State Route 372 at East Berlin (c,m)	01192704	160
Coginchaug River at Middlefield (d)	01192883	162
Connecticut River near Middletown (e)	01193000	164
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PUBLISHED IN THIS VOLUME--Continued**

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Indian River near Clinton (d)	01195100.....	180
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Quinnipiac River at Southington (d)	01195490.....	182
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Housatonic River near Ashley Falls, MA (c,m).....	01198125.....	196
Falls Village Reservoir at Falls Village (t).....	01198990.....	198
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Salmon Creek at Lime Rock (d).....	01199050.....	202
Tenmile River near Gaylordsville (d).....	01200000.....	204
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Still River at State Route 7 at Brookfield Center (d,c,m)	01201487.....	210
Shepaug River at Peter's Dam at Woodville (d).....	01202501.....	214
Shepaug River near Roxbury (c,m)	01203000.....	216
Nonewaog River at Minortown (d).....	01203600.....	218
Weekepeemee River at Hotchkissville (d).....	01203805.....	220
Pomperaug River at Southbury (d).....	01204000.....	222
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Naugatuck River:		
Naugatuck River at Thomaston (d).....	01206900.....	228
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Rippowam River at Stamford (d).....	01209901.....	286

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

GROUND-WATER LEVELS

	Page
FAIRFIELD COUNTY	
Well 413007073250501 Local number BD8	345
Well 411256073153101 Local number FF23	346
Well 411124073172201 Local number FF30	347
Well 411118073175801 Local number FF31	348
Well 411103073181301 Local number FF32	349
Well 411058073182001 Local number FF33	350
Well 410628073413301 Local number GW21	351
Well 410443073414101 Local number GW22	353
Well 410515073415901 Local number GW23	354
Well 412429073165101 Local number NT15	355
HARTFORD COUNTY	
Well 414615072581601 Local number BU2	356
Well 414704072580501 Local number BU143	357
Well 414649072574401 Local number BU144	358
Well 415450072332201 Local number EW133	359
Well 415548072311301 Local number EW134	360
Well 415649072494801 Local number GR328	361
Well 415647072495901 Local number GR329	362
Well 415643072502201 Local number GR330	363
Well 415653072501701 Local number GR331	364
Well 413535072253701 Local number MB32	365
Well 413554072270201 Local number MB35	367
Well 413518072264501 Local number MB36	368
Well 413724072551101 Local number SW64	369
LITCHFIELD COUNTY	
Well 420125073193001 Local number NOC7	370
Well 415925073252001 Local number SY15	371
Well 415559073253401 Local number SY23	372
Well 415956073241501 Local number SY24	373
Well 413202073122401 Local number WY1	374
MIDDLESEX COUNTY	
Well 411832072325501 Local number CL223	375
Well 411826072322401 Local number CL224	376
Well 411735072315001 Local number CL225	377
Well 412809072420701 Local number D116	378
Well 412825072410501 Local number D117	379
Well 412724072411902 Local number D119	380
Well 412824072411901 Local number D120	381
Well 413033072432001 Local number MF1	382
Well 413254072335501 Local number MT261	383
NEW HAVEN COUNTY	
Well 412423072542801 Local number HM445	384
Well 412546072541702 Local number HM446	385
Well 412546072541701 Local number HM447	386
Well 412541072542001 Local number HM448	387
Well 412417072541901 Local number HM449	388
Well 412417072541902 Local number HM450	389
Well 412307072515201 Local number NHV201	390
Well 412954073125201 Local number SB30	391
Well 413002073131001 Local number SB39	392
Well 412935073122701 Local number SB41	393

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

GROUND-WATER LEVELS

NEW HAVEN COUNTY--Continued

Well 412916073121701 Local number SB42	394
Well 413134073021701 Local number WB93	396
Well 413245072584201 Local number WB198	397

NEW LONDON COUNTY

Well 413457072252201 Local number CO335	398
Well 412013072030601 Local number GT19	399
Well 412931071514201 Local number NSN77	400
Well 412746071510601 Local number NSN78	402
Well 412824072173301 Local number SM7	403

TOLLAND COUNTY

Well 414833072190301 Local number CV51	404
Well 415458072291901 Local number EL82.....	405
Well 415640072275801 Local number EL139.....	406
Well 415312072280201 Local number EL140.....	407
Well 414548072114501 Local number MS19	408
Well 414741072134501 Local number MS44.....	409
Well 414825072185601 Local number MS45	411
Well 414825072185602 Local number MS46	412
Well 414843072182601 Local number MS74	413
Well 414815072183401 Local number MS75	414
Well 414814072183101 Local number MS76	415
Well 414844072182701 Local number MS77	416
Well 414831072173002 Local number MS80.....	417

WINDHAM COUNTY

Well 414054071552001 Local number PL1	419
Well 414243072040501 Local number SC19.....	420
Well 414237072034401 Local number SC20	421
Well 414240072032201 Local number SC21.....	422
Well 414240072033201 Local number SC22.....	423
Well 414240072032202 Local number SC23.....	424

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
MYSTIC RIVER BASIN			
01118668	Whitford Brook below Williams Brook near Old Mystic	12.0	1999-2002
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
011230695	Shetucket River at Taftville	512	1989-97; 2001
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			
01172003	Connecticut River below Holyoke Dam at Holyoke, MA	8,309	1983-2002
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
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
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
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 2002 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 (SQ. MILES)	PERIOD of RECORD
PAWCATUCK RIVER BASIN			
01118500	Pawcatuck River at Westerly, RI	295	1953, 1963, 1976-2002
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

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 2002 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			
01204000	Pomperaug River at Southbury	75.1	1961; 1965-74
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 (USGS), 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 USGS, 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 51 streamflow-gaging stations, and for 47 partial-record streamflow stations and miscellaneous sites; (2) stage-only records for 4 tidal-gaging stations; (3) water-quality records for 17 streamflow-gaging stations, for 19 ungaged stream sites, and temperature at 1 reservoir site; and (4) water-level records for 74 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 USGS for all States. These official USGS 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-03-1." 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 USGS, Connecticut District, by writing to the address given on the back cover or by telephoning (860) 291-6740.

COOPERATION

The USGS 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 USGS are:

- **State Department of Environmental Protection**, Arthur J. Roque, Jr., Commissioner.
- **State Department of Public Health**, Norma Gyle, Deputy Commissioner.
- **U.S. Army Corps of Engineers**, Paul Marinelli, Chief, Reservoir Control Center.
- **Town of Fairfield, Conservation Commission**, Thomas J. Steinke, Conservation Director.
- **City of Hartford**, Lee C. Erdmann, Chief Operating Officer.
- **Town of Ledyard**, Steve Masalin, Town Engineer.
- **City of Holyoke (Mass.)**, Paul Ducheny, Superintendent, Hydroelectric Operations.
- **Town of Middletown**, Dominique Thornton, Mayor.
- **Town of Montville**, John Geary, Chairman, Montville Water Pollution Control Authority.
- **Town of Naugatuck**, Joan Taf, Mayor.
- **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**, Kenneth Skov, Superintendent, Water Department.
- **Town of Windham**, Michael T. Paulhaus, First Selectman.
- **Town of Woodbury**, Richard W. Crane, First Selectman.
- **Metropolitan District Commission**, Robert A. Kerkes, Director of Water Treatment and Supply.
- **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-level records from the observation-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 are compared to the period of record for each well in the table below. (See figure 4 for well locations.)

Above-normal precipitation measured at Bradley Airport for October through December of 2002 kept ground-water levels in the normal to above-normal range for most of the observation wells. Normal to above-normal ground-water levels continued throughout the remainder of the 2003 water year even though 4 months (January, March, April, and July 2003) had below-normal precipitation.

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

Floods and Droughts

FLOODS--There was no widespread flooding in water year 2003. The recurrence intervals of the maximum-peak discharges at 35 gaging stations throughout Connecticut were less than 2 years during the water year, except at 6 gaging stations: USGS 01184100 (Stony Brook at Suffield) was about a 50-year recurrence interval; USGS 01196500 (Quinnipiac River at Wallingford), USGS 01199000 (Housatonic River at Falls Village), USGS 01200500 (Housatonic River at Gaylordsville), and USGS 01205500 (Housatonic River at Stevenson) were about a 5-year recurrence interval. Hurricane Isabel, which made landfall in North Carolina on September 18, 2003 tracked in a northwesterly direction towards Ohio and caused only minor increases in streamflow in Connecticut.

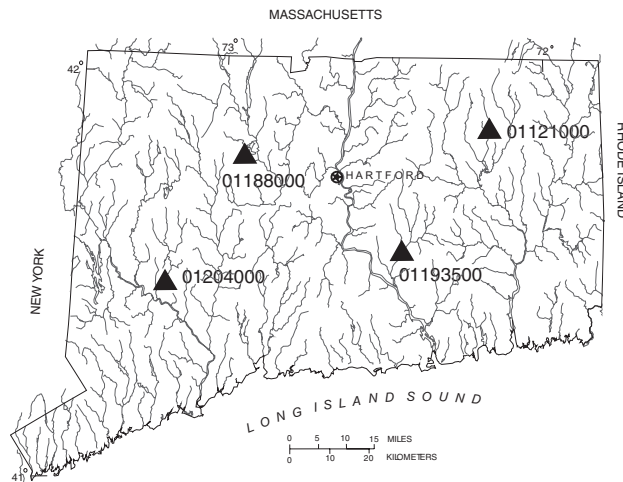
DROUGHTS--There were no hydrologic droughts or periods (2 months or more) of severe droughts in water year 2003 in Connecticut, based on the monthly Palmer Drought Severity Index as computed by the National Climatic Data Center.

Streamflow

Streamflow was measured at four index stations during the 2003 water year. The four stations are Mount Hope River near Warrentville, USGS 01121000 (Northeastern Conn.), Salmon River near East Hampton, USGS 01193500 (Southeastern Conn.), Burlington Brook near Burlington, USGS 01188000 (Northwestern Conn.), and Pomperaug River at Southbury, USGS 01204000 (Southwestern Conn.) (see inset map).

Monthly mean and monthly median streamflow levels at these USGS stations were generally in the normal and above-normal range for water year 2003, as compared to the long-term period of record. From October 2002 through December 2002, rainfall was slightly above normal and streamflow was normal (except in December at Burlington and Salmon River, which had mean

streamflow slightly above normal). Precipitation was below normal (about a 1.6-inch deficit) in January and slightly above normal in February. Streamflow in February was normal (mean flows) to below normal (median flows), as a result of the January precipitation deficit. (The median value is less affected by extreme events than the mean value.) Precipitation was above normal in March, and streamflow levels were normal (median flows) to above normal (mean flows) during March and normal in April and May. Overall, the summer was wet, with monthly rainfall totals and streamflow levels normal or above normal. Frequencies of the maximum-peak streamflow during the water year at the four index stations were less than a 2-year recurrence interval (peak flow having a 50-percent chance of being equalled or exceeded in any given year). The monthly mean and monthly median flows for water year 2003 are compared to a 30-year (1971-2000) mean or median monthly flows to compare flow conditions among sites (tables 1 and 2). Monthly median flow for water year 2003 is compared to the long-term record in figure 1.



Monthly mean discharge for water year 2003 compared to the period of record

[N, normal, within the 25- to 75-percentile range or the middle 50-percent of the record; +, above normal, within the highest 25 percent of record for this month; -, below normal, within the lowest 25 percent of record for this month]

Streamflow-gaging station (period of record)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Mount Hope River (July 1940 to current year)	N	N	N	N	N	+	N	N	+	+	+	+
Salmon River (July 1928 to current year)	N	N	+	N	N	+	N	N	+	N	+	+
Burlington Brook Sept. 1931 to current year)	N	N	+	N	N	+	N	+	+	+	+	+
Pomperaug River (June 1932 to current year)	N	N	N	N	N	+	N	N	+	+	+	+

Monthly median discharge for water year 2003 compared to the period of record

[N, normal, within the 25- to 75-percentile range or the middle 50-percent of the record; +, above normal, within the highest 25 percent of record for this month; -, below normal, within the lowest 25 percent of record for this month]

Streamflow-gaging station (period of record)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
Mount Hope River (July 1940 to current year)	N	N	N	N	-	N	N	N	+	N	+	+
Salmon River (July 1928 to current year)	N	N	N	N	-	N	N	N	+	N	N	+
Burlington Brook Sept. 1931 to current year)	N	N	N	N	-	N	N	N	+	N	+	+
Pomperaug River (June 1932 to current year)	N	N	N	N	-	N	N	N	+	+	+	+

Table 1. Monthly mean and 30-year mean monthly discharges for index stations in Connecticut, water year 2003
 [Discharges in cubic feet per second; long-term mean monthly discharges are defined as the monthly means for the period 1971–00]

STATION NAME AND NUMBER								
MONTH	01121000 MOUNT HOPE RIVER NEAR WARRENVILLE		01188000 BURLINGTON BROOK NEAR BURLINGTON		01193500 SALMON RIVER NEAR EAST HAMPTON		01204000 POMPERAUG RIVER AT SOUTHBURY	
	MONTHLY MEAN WY 2003	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2003	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2003	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2003	MEAN MONTHLY 1971-00
October	10.8	34.4	4.13	6.62	42.7	102	26.1	92.8
November	28.2	53.6	9.64	9.02	158	182	91.1	128
December	57.6	72.9	9.21	10.2	279	255	122	174
January	44.2	85.4	7.12	10.8	197	301	139	191
February	43.2	76.8	5.27	10.2	142	280	105	176
March	133	109	20.6	16.9	460	374	334	263
April	78.9	93.2	11.4	15.2	356	346	187	243
May	58.6	60.2	11.8	11.3	267	239	140	165
June	96.2	41.0	16.2	7.30	365	165	279	109
July	23.5	17.4	3.75	4.07	59.7	70.5	64.0	60.1
August	28.3	16.6	2.53	4.08	51.6	63.6	113	53.5
September	23.8	17.9	16.2	4.72	128	59.9	175	58.1

Table 2. Monthly median and 30-year median monthly discharges for index stations in Connecticut, water year 2003

[Discharges in cubic feet per second; long-term median monthly discharges are defined as the monthly medians for the period 1971–00]

STATION NAME AND NUMBER								
MONTH	01121000 MOUNT HOPE RIVER NEAR WARRENVILLE		01188000 BURLINGTON BROOK NEAR BURLINGTON		01193500 SALMON RIVER NEAR EAST HAMPTON		01204000 POMPERAUG RIVER AT SOUTHBURY	
	MONTHLY MEDIAN WY 2003	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2003	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2003	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2003	MEDIAN MONTHLY 1971-00
October	8.41	21.7	2.93	5.74	35.9	73.9	22.8	73.7
November	23.0	47.5	6.66	8.46	125	167	65.7	116
December	42.0	60.3	6.74	8.01	221	209	100	145
January	32.0	83.1	4.60	10.6	127	292	98.0	180
February	20.0	74.8	3.30	10.5	90.5	253	63.6	168
March	94.6	91.3	14.0	15.8	372	333	283	220
April	75.0	85.8	10.0	13.9	323	312	185	211
May	39.1	58.5	9.26	10.0	210	223	118	152
June	89.0	21.8	11.7	4.97	335	91.0	234	69.2
July	13.8	13.4	3.29	3.16	57.5	46.8	58.3	39.7
August	15.2	10.8	4.16	3.42	36.0	46.2	83.1	39.0
September	20.0	12.5	7.90	2.65	90.8	58.3	115	36.2

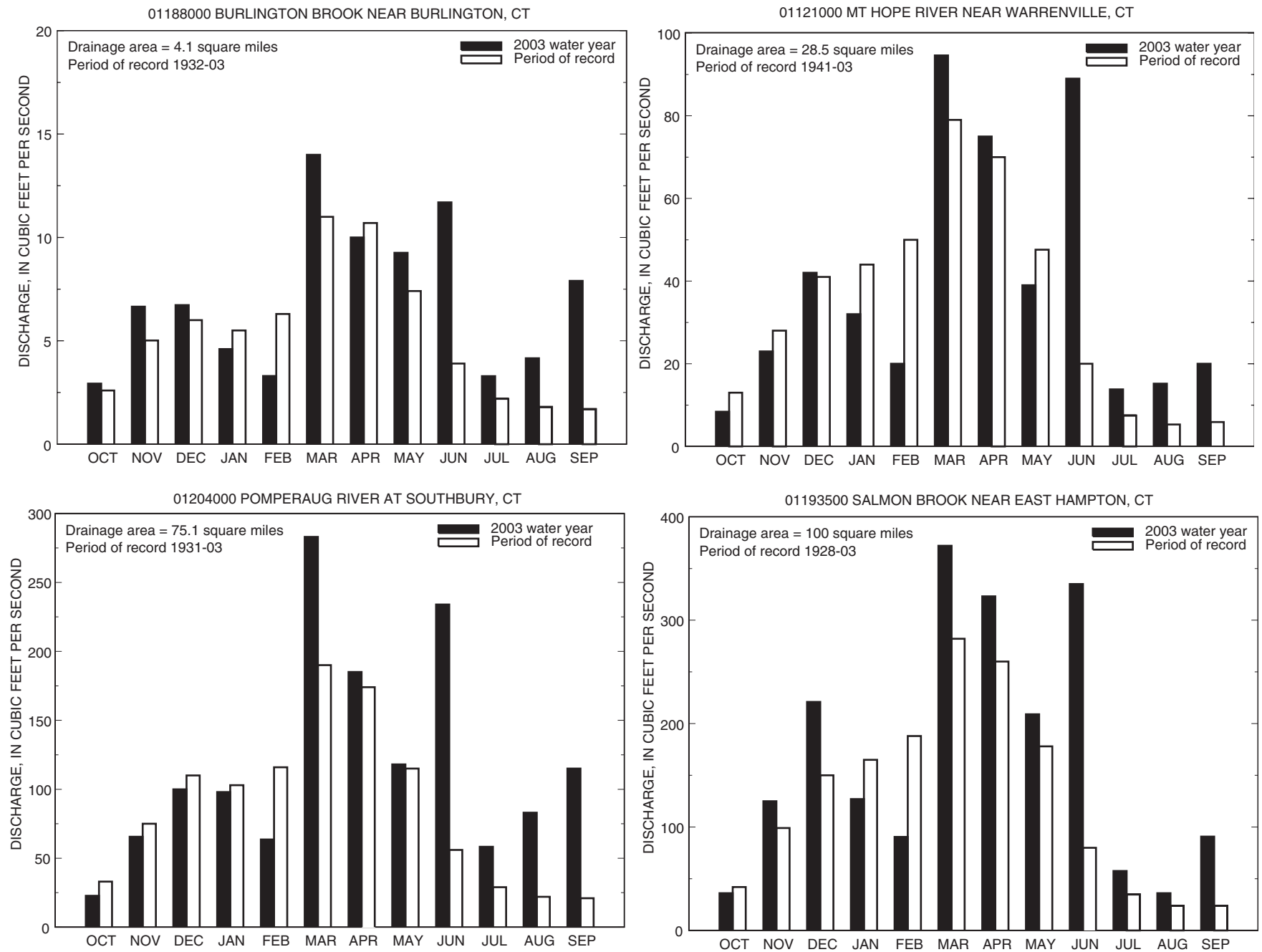


Figure 1. Comparison of long-term median monthly discharge records to monthly median discharge for water year 2003 at index stations in Connecticut.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://water.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers 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 (NAWQA) Program; (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 may be accessed from <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) is a network of monitoring sites that provide 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 this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 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 data from the individual sites, may be accessed from <http://bqs.usgs.gov/acidrain/>.

The USGS National Water-Quality Assessment (NAWQA) Program 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; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 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 is 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 water-resources managers to use in making decisions 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 may be accessed from <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent

Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION of THE RECORDS

The surface-water and ground-water records published in this report are for the 2003 water year that began October 1, 2002 and ended September 30, 2003. 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.

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 And Station Number

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indentation in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, 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 composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

Numbering System for Wells and Miscellaneous Sites

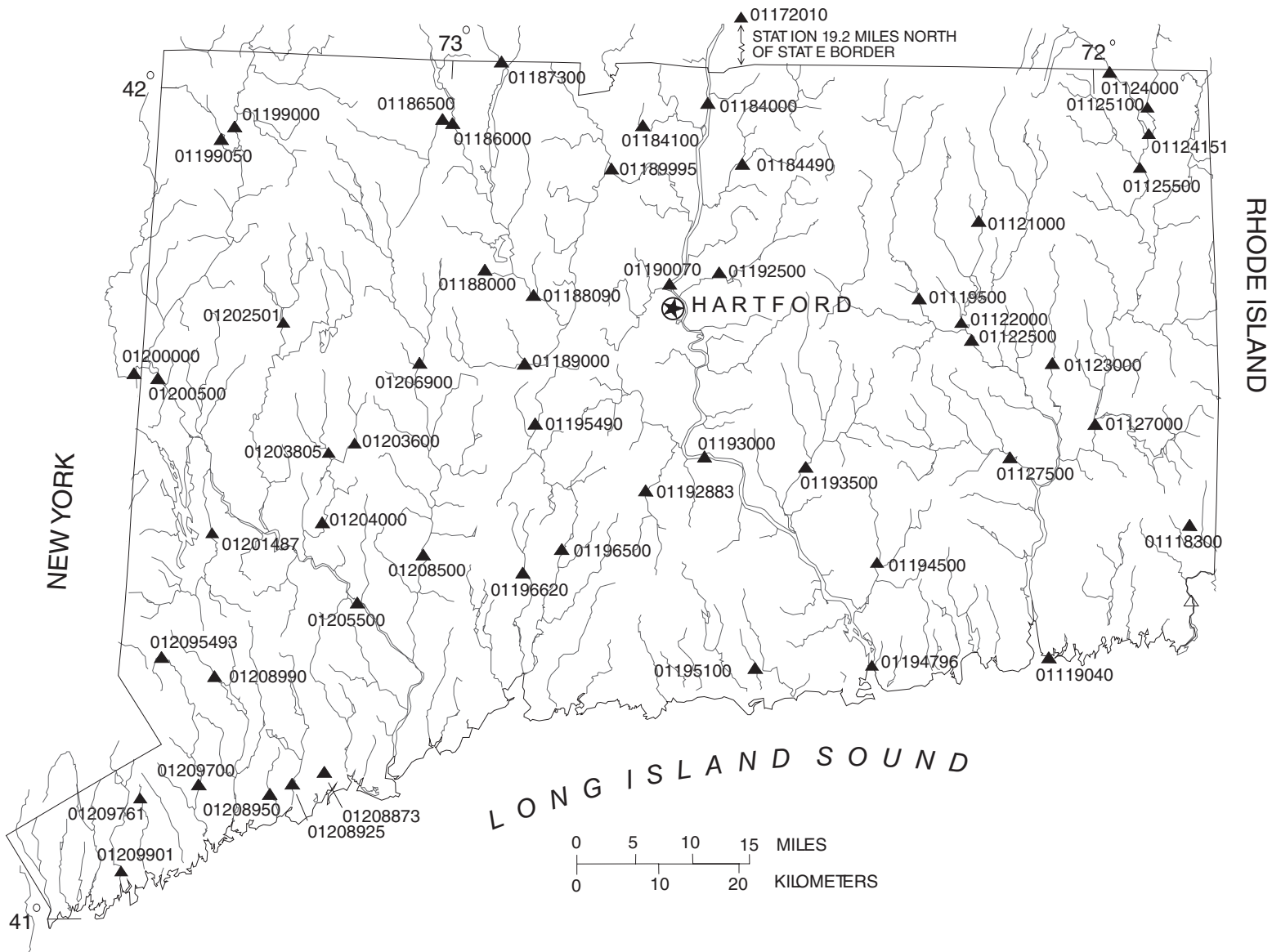
The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells. The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

Explanation of Stage and Water-Discharge Records

Data Collection and Computation

The base data collected at gaging stations (fig. 2) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded

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



Pawcatuck River Basin

- 01118300 Pendleton Hill Brook near Clarks Falls, CT

Poquonock River Basin

- 01119040 Poquonock River near Groton, CT

Thames River Basin

- 01119500 Willimantic River near Coventry, CT
- 01121000 Mount Hope River near Warrentonville, CT
- 01122000 Natchaug River at Willimantic, CT
- 01122500 Shetucket River near Willimantic, CT
- 01123000 Little River near Hanover, 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

- 01172010 Connecticut River at I-391 Bridge 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
- 01194500 East Branch Eightmile River near North Lyme, 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
- 01201487 Still River at Rt. 7 at Brookfield Center, CT
- 01202501 Shepaug River at Peter's Dam at Woodville, CT
- 01203600 Nonewaug River at Minortown, CT
- 01203805 Weekepeemee 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
- 012095493 Ridgefield Brook at Shields Lane at Ridgefield, CT
- 01209700 Norwalk River at South Wilton, CT
- 01209761 Fivemile River near New Canaan, CT
- 01209901 Rippowam River at Stamford, CT

- Real-time data are available on the Internet

electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters 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).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

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

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics

table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

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

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station 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 term indicates the time period for which records have been published 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 its flow reasonably can be considered equivalent to flow at the present station.

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

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, 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 either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in

the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

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

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations to document the revision in a REVISED RECORDS entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back cover of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. 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 stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedance in any 1 year.

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 arithmetic 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 is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (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 values. 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. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive,

unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled SUMMARY STATISTICS follows the statistics of monthly mean data tabulation. This table consists of four columns with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, WATER YEARS __-__, will consist of all of the station records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that 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.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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

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

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

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

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

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

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

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

ANNUAL RUNOFF.—Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may

use any of the following units of measurement 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 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) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

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

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

90 PERCENT EXCEEDS.—The discharge that 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 table lists annual maximum stage and discharge at crest-stage stations, and the second table lists 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 often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a 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. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e–Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

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

The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values 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 Data Records Available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the District office (see address that is shown on the back cover of this report).

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs. A list of TWRIs is provided in this report.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross-section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data is useful in the interpretation of surface-water quality. Records of surface-water quality in this report 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 *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one 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 continuous- or partial-record station, where 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 *continuous records* as used in this report and *continuous recordings* that refer 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.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

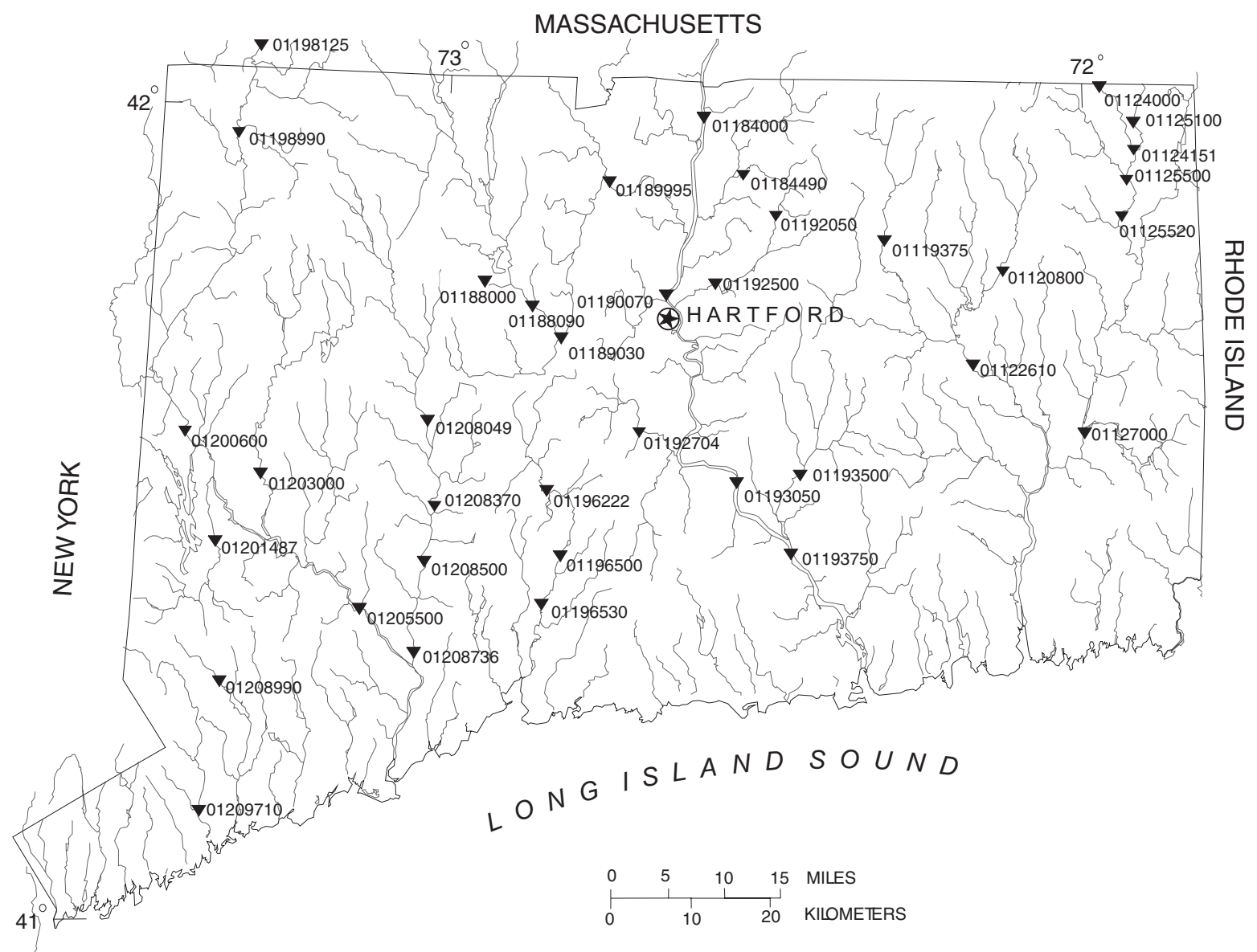
Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	$\leq \pm 0.2$ °C	$> \pm 0.2$ to 0.5 °C	$> \pm 0.5$ to 0.8 °C	$> \pm 0.8$ °C
Specific conductance	$\leq \pm 3\%$	$> \pm 3$ to 10%	$> \pm 10$ to 15%	$> \pm 15\%$
Dissolved oxygen	$\leq \pm 0.3$ mg/L	$> \pm 0.3$ to 0.5 mg/L	$> \pm 0.5$ to 0.8 mg/L	$> \pm 0.8$ mg/L
pH	$\leq \pm 0.2$ unit	$> \pm 0.2$ to 0.5 unit	$> \pm 0.5$ to 0.8 unit	$> \pm 0.8$ unit
Turbidity	$\leq \pm 5\%$	$> \pm 5$ to 10%	$> \pm 10$ to 15%	$> \pm 15\%$

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. 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.

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



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
01124151 Quinebaug River at West Thompson, 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
01208370 Naugatuck River below Fulling Mill Brook at Union City, 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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. These TWRI's are listed in this report. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS District office (see address that is shown on the back cover of this report).

Water Temperature

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

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

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 be 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.

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

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRI's, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. 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 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 information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. 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 USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://waterdata.usgs.gov/nwis>). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are 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.

Remark Codes

Printed Output	Remark
E or e	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
A	Value is an average.
D	Biological organism count equal to or greater than 15 percent (dominant).
k	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
S	Most probable value.
V	Analyte was detected in both the environmental sample and the associated blanks.
&	Biological organism estimated as dominant.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

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

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component

measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

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

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

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

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

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

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

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

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

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

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a

local number that is produced for local needs. See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation),

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the TWRI's referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure 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.

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 above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in

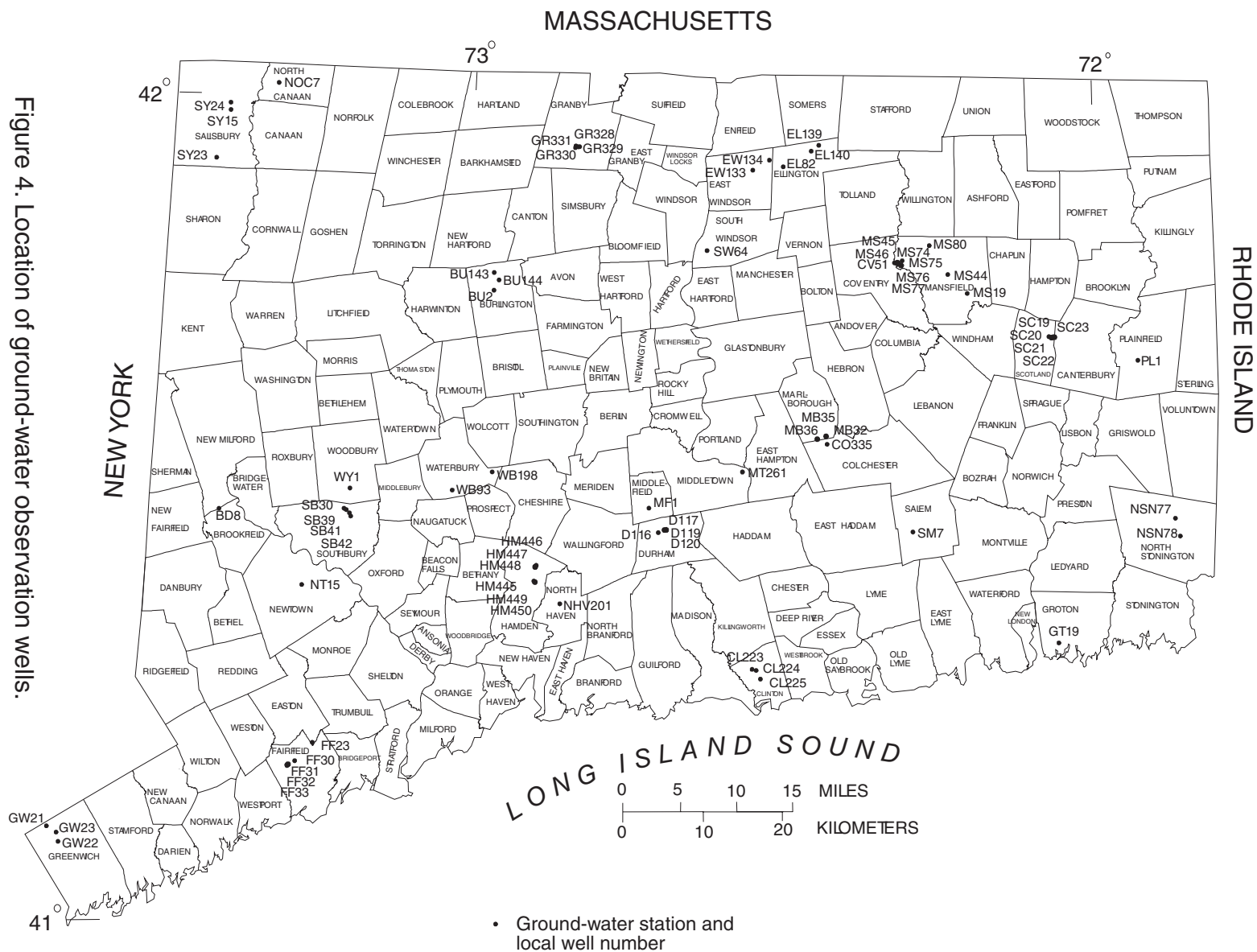


Figure 4. Location of ground-water observation wells.

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 410628073413301 Local number GW21
- Well 410443073414101 Local number GW22
- Well 410515073415901 Local number GW23
- 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
- Well 414831072173002 Local number MS80

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

- Real-time data are available on the Internet

determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figure 4; each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

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

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is

described physically (such as top of casing, top of instrument shelf, and so forth), 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 National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each

day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRI. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back cover of this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4.

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 most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from <http://water.usgs.gov>.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline District Office (See address that is shown on the back cover of this report.)

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, and 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. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

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.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also "Biomass" and "Dry weight")

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

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

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day, 10-year low-flow statistic.)

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

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

Ash mass is the mass or amount of residue present after the residue from a 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/m³), and periphyton and benthic organisms in grams per square meter (g/m²). (See also "Biomass" and "Dry mass")

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

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

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

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

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

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

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

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

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

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

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

Blue-green algae (Cyanophyta) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm³/mL). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter (mm³/cm²). (See also "Phytoplankton" and "Periphyton")

Bottom material (See "Bed material")

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

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently 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 (mm³) is determined by obtaining critical cell measurements or cell dimensions

(for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } \frac{4}{3} \pi r^3 \quad \text{cone } \frac{1}{3} \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

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

From cell volume, total algal biomass expressed as biovolume (mm³/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

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 generally are reported as cells or units per milliliter (mL) or liter (L).

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

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

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

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

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

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake.

Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

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

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

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

Cubic foot per second (CFS, ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft³/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 numerically are 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, (ft³/s)/mi²] 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 mean concentration of suspended sediment pass-

ing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to 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 usually are 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 Universal Transverse Mercator (UTM) coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms (Bacillariophyta) are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm³/mL). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter (mm³/cm²). (See also "Phytoplankton" and "Periphyton")

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

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

the mass of constituent that passes the cross section in a given period of time (tons per day).

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

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

Dissolved solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO₃) 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")

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

Enterococcus bacteria commonly are found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *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 generally are considered pollution sensitive; the index usually decreases with pollution.

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

Estimated (E) 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 identified qualitatively 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 (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

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

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

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at $44.5 \times C$ plus or minus $0.2 \times C$ on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at $35 \times C$ plus or minus $1.0 \times C$ on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

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

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

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

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

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

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

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

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

Green algae (Chlorophyta) are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating “moss” in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm³/mL). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter (mm³/cm²). (See also “Phytoplankton” and “Periphyton”)

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

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

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO₃).

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

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

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

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

Horizontal datum (See “Datum”)

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

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

Inch (IN., in.), in reference to streamflow, 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 distributed uniformly on it. (See also “Annual runoff”)

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

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

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

Laboratory reporting level (LRL) generally is equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a “less than” (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term ‘non-detection value’ (NDV).

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

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that con-

verts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

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

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

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

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

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

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

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. See NOAA Web site:

<http://www.co-ops.nos.noaa.gov/tideglos.html>

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

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

mean suspended-sediment concentration" and "Suspended-sediment concentration")

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

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

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

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

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

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.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) indicate the presence of detergents (anionic surfactants). 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, mg/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, mg/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, mg/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, mS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.
- Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of dry sediment per liter of water-sediment mixture.
- Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.
- Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.
- Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.
- Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.
- Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.
- National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was 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 Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.
- North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.
- North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical

datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and United States first-order terrestrial leveling networks.

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

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

Organic mass or volatile mass of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m²), 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 uses 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
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

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

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

Percent composition or percent of total is a unit for expressing the ratio of a particular part of a sample or population

to the total sample or population, in terms of types, numbers, weight, mass, or volume.

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

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

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

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

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

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

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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

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

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

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

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light- and dark-bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

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

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

Recoverable from bed (bottom) material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. (See also "Bed material")

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow (7Q10) is the flow rate below which the annual minimum 7-day-mean flow dips

at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the 7Q10 occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the 7Q10.

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

Return period (See "Recurrence interval")

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

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

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

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

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

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are

topography, soil characteristics, land cover, and depth and intensity of precipitation.

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

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

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

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

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

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

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

Stage (See "Gage height")

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory pro-

cedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is defined operationally as the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and, thus, the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/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 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.

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

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

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

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a 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:	<i>Hexagenia</i>
Species:	<i>Hexagenia limbata</i>

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

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

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

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

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

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

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

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

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

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

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

Total recoverable is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability

of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

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

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

Turbidity is the reduction in the transparency of a solution because of 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 USEPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absor-

bance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

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

Vertical datum (See "Datum")

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

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

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

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2003, is called the "2003 water year."

Watershed (See "Drainage basin")

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

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

during the water year after thorough mixing in the reservoir.

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

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

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

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

Techniques of Water-Resources Investigations of the U.S. Geological Survey

The USGS publishes a series of manuals, the Techniques of Water-Resources Investigations, 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.

Reports in the Techniques of Water-Resources Investigations series, which are listed below, are online at <http://water.usgs.gov/pubs/twri/>. Printed copies 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), telephone 1-888-ASK-USGS. Please telephone 1-888-ASK-USGS for current prices, and refer to the title, book number, chapter number, and mention the “U.S. Geological Survey Techniques of Water-Resources Investigations.” Products can then be ordered by telephone, or online at <http://www.usgs.gov/sales.html>, or by FAX to (303)236-469 of an order form available online at <http://mac.usgs.gov/isb/pubs/forms/>. Prepayment by major credit

card or by a check or money order payable to the “U.S. Geological Survey” is required.

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.

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- 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.
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- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS-TWRI book 3, chap. B2. 1976. 172 p.
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- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS-TWRI book 3, chap. C1. 1970. 55 p.
- 3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS-TWRI book 3, chap. C2. 1999. 89 p.
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- Section A. Statistical Analysis**
- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS-TWRI book 4, chap. A1. 1968. 39 p.
- 4-A2. *Frequency curves*, by H.C. Riggs: USGS-TWRI book 4, chap. A2. 1968. 15 p.
- 4-A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS-TWRI book 4, chap. A3. 1991. Available only online at <http://water.usgs.gov/pubs/twri/twri4a3/>. (Accessed August 30, 2002.)
- Section B. Surface Water**
- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS-TWRI book 4, chap. B1. 1972. 18 p.

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

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

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

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

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

5–A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 p.

5–A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greenson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.

5–A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 p.

5–A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

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

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

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

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

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

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

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

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

7–C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS–TWRI book 7, chap. C1. 1976. 116 p.

7–C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS–TWRI book 7, chap. C2. 1978. 90 p.

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

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

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

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

Section B. Instruments for Measurement of Discharge

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

Book 9. Handbooks for Water-Resources Investigations**Section A. National Field Manual for the Collection of Water-Quality Data**

- 9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.
- 9–A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.
- 9–A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.
- 9–A4. *National field manual for the collection of water-quality data: Collection of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.
- 9–A5. *National field manual for the collection of water-quality data: Processing of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999. 149 p.
- 9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.
- 9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.
- 9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.
- 9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 p.

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

Dissolved Trace-Element Concentrations

*NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g/L}$) 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 $\mu\text{g/L}$ 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 Rd., 0.1 mi west of State Rt. 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 mi².

PERIOD OF RECORD.--July 1958 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 estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 70 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 2	1745	71	3.07	Mar 30	1400	*72	*3.08

Minimum discharge, 0.48 ft³/s, Oct. 9, 10, 11, gage height, 1.01 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.0	9.0	14	3.5	5.1	28	12	15	3.6	2.7	1.7
2	1.0	1.9	7.5	27	4.4	28	22	12	13	3.1	5.3	18
3	0.86	1.9	6.9	20	4.4	e35	18	11	8.8	4.1	4.1	11
4	0.78	1.8	5.9	37	e4.3	e16	17	9.6	11	4.9	3.0	11
5	0.81	1.9	5.6	25	e4.2	e11	15	8.8	25	3.9	2.8	8.5
6	0.70	4.7	5.4	19	4.5	e10	13	8.8	18	4.4	2.7	5.5
7	0.60	4.3	5.3	17	4.0	e10	12	9.0	14	3.1	2.3	4.1
8	0.58	3.2	5.3	14	3.9	e7.5	13	8.8	17	2.8	24	3.2
9	0.52	2.7	5.1	14	3.6	e8.0	17	7.8	13	2.7	13	2.7
10	0.48	2.6	4.8	14	3.6	e10	21	7.0	9.8	2.7	8.1	2.3
11	0.61	3.2	5.4	12	3.5	e9.0	23	6.4	7.9	11	5.8	2.2
12	1.2	4.4	19	9.9	3.3	e8.0	34	7.4	10	12	4.5	2.6
13	1.5	12	15	e8.0	2.9	e7.0	25	6.6	23	6.2	3.7	2.5
14	1.4	10	32	e7.0	2.6	e8.0	18	5.8	42	4.0	3.2	5.9
15	1.1	7.7	29	e6.0	2.6	e9.0	15	5.4	29	3.2	2.6	4.3
16	3.1	6.1	21	e6.0	2.6	e11	13	5.0	19	2.8	2.3	e20
17	4.5	20	17	e5.5	2.7	e14	11	4.6	14	2.7	5.2	e18
18	2.7	23	13	e5.0	2.7	18	10	4.2	24	2.2	6.0	e16
19	1.9	15	12	e4.0	2.3	15	9.2	3.8	26	2.4	6.1	e15
20	1.6	11	30	e3.5	2.1	12	8.6	3.5	18	2.0	4.0	e14
21	1.4	8.8	40	e3.0	2.1	39	8.0	3.4	13	1.8	3.2	e13
22	1.3	19	24	e2.5	4.9	36	18	3.9	13	4.4	3.2	e12
23	1.3	15	17	2.8	31	24	23	5.3	16	15	3.0	e10
24	1.2	11	13	2.7	e24	18	15	6.4	12	19	2.5	e8.0
25	1.2	9.0	17	2.6	e17	15	12	5.4	9.3	14	2.4	e6.0
26	4.8	7.9	24	2.8	e11	13	23	25	7.5	7.2	2.3	e2.0
27	6.1	7.7	16	3.4	e7.0	13	33	34	6.0	4.3	2.2	1.9
28	3.7	7.3	13	3.4	6.8	11	22	20	5.0	3.0	2.0	2.0
29	2.8	6.9	11	3.2	---	11	16	14	4.4	2.7	1.9	2.4
30	2.3	8.5	9.0	3.1	---	57	13	9.6	4.0	2.3	1.9	2.4
31	2.1	---	11	3.2	---	45	---	8.0	---	2.0	1.7	---
TOTAL	55.34	240.5	449.2	300.6	171.5	533.6	525.8	282.5	447.7	159.5	137.7	228.2
MEAN	1.79	8.02	14.5	9.70	6.12	17.2	17.5	9.11	14.9	5.15	4.44	7.61
MAX	6.1	23	40	37	31	57	34	34	42	19	24	20
MIN	0.48	1.8	4.8	2.5	2.1	5.1	8.0	3.4	4.0	1.8	1.7	1.7
CFSM	0.44	1.99	3.60	2.41	1.52	4.28	4.36	2.27	3.71	1.28	1.10	1.89
IN.	0.51	2.23	4.16	2.78	1.59	4.94	4.87	2.61	4.14	1.48	1.27	2.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

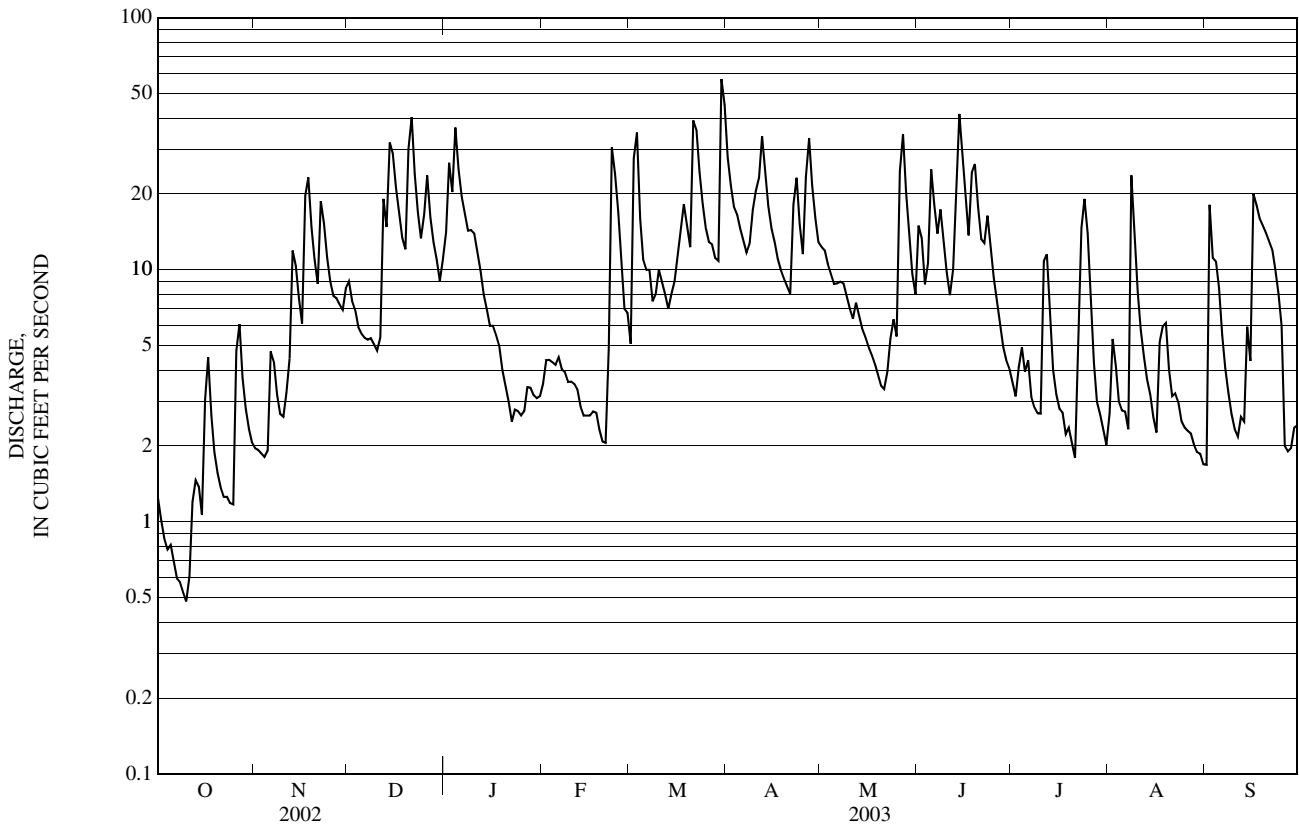
MEAN	3.68	7.78	11.7	12.0	12.3	16.5	15.3	10.5	6.82	2.58	2.11	2.15
MAX	14.9	19.7	28.8	43.6	22.3	31.5	48.2	23.2	32.4	10.5	12.4	10.4
(WY)	(1990)	(1973)	(1987)	(1979)	(1982)	(1994)	(1983)	(1979)	(1982)	(1959)	(1986)	(1961)
MIN	0.83	1.13	1.84	1.69	2.95	6.91	4.29	3.93	0.82	0.17	0.10	0.049
(WY)	(1964)	(1966)	(1966)	(1981)	(1980)	(1981)	(1999)	(1986)	(1999)	(1994)	(2002)	(1980)

e Estimated

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	2,236.54		3,532.14			
ANNUAL MEAN	6.13		9.68		8.60	
HIGHEST ANNUAL MEAN					13.1	1984
LOWEST ANNUAL MEAN					4.30	1966
HIGHEST DAILY MEAN	40	Dec 21	57	Mar 30	251	Mar 18, 1968
LOWEST DAILY MEAN	0.03	Aug 19	0.48	Oct 10	0.01	Sep 9, 1980
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 19	0.61	Oct 5	0.01	Sep 9, 1980
MAXIMUM PEAK FLOW			72	Mar 30	375	Jun 5, 1982
MAXIMUM PEAK STAGE			3.08	Mar 30	6.73	Jun 5, 1982
INSTANTANEOUS LOW FLOW			a 0.48	Oct 9	0.00	Aug 22, 1987
ANNUAL RUNOFF (CFSM)	1.52		2.41		2.14	
ANNUAL RUNOFF (INCHES)	20.70		32.69		29.07	
10 PERCENT EXCEEDS	15		22		19	
50 PERCENT EXCEEDS	4.0		6.9		5.7	
90 PERCENT EXCEEDS	0.22		2.0		0.59	

a Also occurred Oct. 10 and 11.



POQUONOCK RIVER BASIN

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 staff gage is 10.00 ft below sea level. Telephone telemetry at station. Prior to Apr. 30, 1982, at datum 7.98 ft higher; prior to May 4, 1986, at datum 7.20 ft higher.

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, 5.00 ft, Nov. 6; minimum, -2.48 ft, Jan. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.19	-0.32	2.49	-1.22	2.78	-1.48	3.01	-0.87	2.81	-0.76	2.59	-0.45
2	2.58	-0.27	2.15	-1.36	2.18	-1.64	3.46	-0.55	2.63	-1.25	2.85	-0.27
3	2.85	-0.16	2.93	-1.01	2.43	-1.92	4.08	0.31	1.89	-1.10	1.69	-1.39
4	3.40	0.06	3.41	-0.90	2.51	-1.77	3.86	-0.17	2.92	-0.18	1.63	-1.27
5	3.24	-0.53	3.36	-0.78	2.81	-1.34	3.08	-0.22	1.37	-1.52	2.48	-0.70
6	3.08	-1.33	5.00	-0.24	3.43	-0.74	3.09	0.06	0.88	-1.36	2.27	-0.16
7	3.83	-0.47	3.45	-0.51	2.72	-0.90	2.48	0.13	1.45	-0.77	2.16	-0.30
8	---	---	2.68	-0.73	1.89	-1.42	2.54	0.06	1.39	-0.46	2.30	-0.64
9	---	---	2.46	-0.46	1.90	-0.90	2.63	0.51	1.14	-0.97	2.47	-0.06
10	---	---	2.77	0.15	1.58	-0.73	3.00	0.07	1.68	-0.23	1.78	-0.27
11	---	---	2.30	-0.21	2.49	0.28	2.27	-0.62	1.68	-1.05	1.58	-0.40
12	---	---	2.08	-0.05	3.34	-0.29	1.20	-0.89	2.04	-1.42	1.66	-0.36
13	---	---	2.23	0.00	2.77	0.36	1.59	-1.12	1.11	-1.55	1.70	-0.42
14	---	---	2.13	0.09	3.83	0.17	1.51	-1.06	1.03	-1.62	1.72	-0.55
15	---	---	2.19	-0.11	1.91	-0.28	2.02	-0.67	1.30	-1.78	1.99	-0.65
16	---	---	2.35	-0.16	2.89	0.00	1.90	-1.13	1.57	-1.77	2.40	-0.66
17	---	---	4.10	0.50	2.84	0.10	2.53	-0.66	3.34	-1.05	2.92	-0.45
18	---	---	2.69	-1.92	2.80	-0.61	3.03	-0.36	3.12	-0.76	3.25	-0.39
19	---	---	1.80	-1.36	2.57	-0.63	3.10	-0.70	2.60	-0.88	3.10	-0.64
20	---	---	2.91	-0.42	3.58	0.40	2.44	-1.73	2.28	-1.27	3.54	-0.92
21	---	---	2.92	-0.30	2.71	-1.07	1.58	-1.78	2.27	-1.01	3.13	-0.58
22	---	---	3.52	0.36	2.45	-0.52	0.84	-2.48	2.75	-0.67	3.07	-0.58
23	---	---	2.40	-1.62	2.41	-0.68	2.00	-1.69	3.28	-0.99	3.00	-0.66
24	---	---	1.16	-1.62	2.18	-0.86	2.39	-0.71	0.78	-1.48	2.74	-0.27
25	---	---	1.73	-0.87	4.40	0.63	2.13	-0.84	1.14	-1.80	2.42	-0.30
26	---	---	2.32	-0.33	2.53	-0.89	1.82	-0.75	1.46	-1.03	2.31	-0.14
27	---	---	2.23	-0.61	2.21	-0.50	2.31	-1.08	1.98	-0.72	2.19	-0.44
28	---	---	1.92	-0.80	2.47	-0.20	2.04	-1.07	2.87	-0.13	2.01	-0.62
29	---	---	2.21	-0.59	2.83	-0.66	2.07	-1.21	---	---	2.22	-0.36
30	---	---	2.77	-0.38	2.46	-0.81	2.24	-1.06	---	---	2.31	-0.25
31	---	---	---	---	3.34	-0.40	2.56	-0.91	---	---	1.84	-0.65
MONTH	3.83	-1.33	5.00	-1.92	4.40	-1.92	4.08	-2.48	3.34	-1.80	3.54	-1.39

01119375 WILLIMANTIC RIVER AT MERROW, CT

LOCATION.--Lat 41° 50'07", long 72° 18'38", Tolland County, Hydrologic Unit 01100002, at bridge on State Rt. 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 mi².

PERIOD OF RECORD.--Water year 1974 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 21...	1300	72	1.4	12.4	99	6.4	117	8.0	5.5	21	5.13	1.98	2.38
JAN 14...	1230	135	0.85	14.4	101	6.4	85	-5.0	0.5	20	4.88	1.90	1.36
MAR 10...	1345	246	3.6	14.1	99	6.8	134	-3.0	0.5	19	4.67	1.75	1.18
MAY 05...	1230	166	1.5	11.5	112	7.0	107	19.0	14.0	17	4.24	1.67	1.18
JUN 09...	1030	322	2.1	9.4	95	6.6	92	16.5	15.0	17	4.06	1.55	1.01
JUL 21...	1330	49	2.2	9.1	102	7.4	121	24.5	20.5	22	5.63	1.98	1.59
AUG 14...	1300	62	1.8	8.5	101	7.0	134	29.5	24.0	23	5.83	2.00	2.30
SEP 09...	1300	30	2.0	10.0	105	6.8	169	21.0	18.0	29	7.43	2.50	2.99

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfltrd, mg/L (00500)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)
NOV 21...	11.0	8	10	0.0	17.7	<0.17	8.63	12.7	80	80	0.29	0.42	E.02
JAN 14...	12.4	6	7	0.0	19.8	<0.17	10.3	11.1	81	78	0.28	0.27	0.09
MAR 10...	15.1	5	6	0.0	25.2	0.04	9.18	9.4	90	85	0.24	0.33	0.10
MAY 05...	11.3	12	14	0.0	19.1	<0.17	5.13	8.6	65	71	0.17	0.26	<0.04
JUN 09...	9.32	13	16	0.0	14.9	<0.2	7.43	7.5	70	69	0.25	0.35	<0.04
JUL 21...	12.8	9	11	0.0	20.9	<0.2	7.59	7.6	78	65	0.27	0.32	<0.04
AUG 14...	13.9	9	10	0.0	21.6	<0.2	9.14	9.6	94	92	0.34	0.40	<0.04
SEP 09...	16.2	10	12	0.0	26.5	0.2	8.18	15.9	105	101	0.39	0.40	<0.04

01119375 WILLIMANTIC RIVER AT MERROW, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 21...	0.32	<0.008	--	<0.02	0.005	0.021	0.74	6.7	--	60k	65	<0.30	12
JAN 14...	0.44	<0.008	0.18	<0.02	0.006	0.014	0.71	3.6	74k	100	53	<0.30	12
MAR 10...	0.40	<0.008	0.22	<0.02	0.005	0.023	0.73	3.7	5k	23	47	<0.30	13
MAY 05...	0.13	<0.008	--	<0.02	0.007	0.017	0.39	3.9	7k	21k	33	<0.30	9
JUN 09...	0.19	<0.008	--	<0.02	0.019	0.038	0.54	6.0	160	216	57	<0.30	11
JUL 21...	0.33	<0.008	--	<0.02	0.015	0.029	0.65	6.0	74	80	32	<0.30	8
AUG 14...	0.33	<0.008	--	<0.02	0.013	0.029	0.73	7.1	54	87k	28	<0.30	9
SEP 09...	0.69	E.005n	--	<0.02	0.012	0.018	1.1	4.6	56	41	26	<0.30	10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 21...	<0.06	E.02	<0.8	0.178	1.2	192	0.32	21.8	1.1	2.02	<0.2	7	0.03
JAN 14...	<0.06	E.02	<0.8	0.298	1.2	126	0.14	35.0	<0.3	1.77	<0.2	8	E.02
MAR 10...	<0.06	E.03	<0.8	0.434	1.0	86	0.10	46.8	<0.3	2.02	<0.2	10	E.02
MAY 05...	<0.06	<0.04	<0.8	0.148	1.0	107	0.12	17.7	<0.3	1.24	<0.2	3	E.02
JUN 09...	<0.06	E.02	<0.8	0.201	1.2	232	0.25	22.1	<0.3	1.67	<0.2	6	0.03
JUL 21...	<0.06	<0.04	<0.8	0.142	1.3	410	0.32	15.5	<0.3	1.48	<0.2	3	0.04
AUG 14...	<0.06	<0.04	<0.8	0.167	1.3	232	0.14	20.7	E.3n	2.20	<0.2	2	0.02
SEP 09...	<0.06	<0.04	<0.8	0.139	1.4	308	0.26	15.1	E.2n	1.95	<0.2	3	E.01n

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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 mi².

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). Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. 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 ft³.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 21	0815	1,300	6.76	May 26	2045	1,330	6.81
Mar 22	0645	*1,620	*7.35	Sep 23	2000	1,170	6.50

Minimum discharge, 27 ft³/s, Oct. 9, gage height, 2.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	49	117	285	e110	e200	686	234	484	145	71	31
2	53	44	107	864	135	e240	564	240	530	127	218	277
3	49	41	100	703	143	e260	514	264	365	113	150	215
4	46	42	84	523	174	e250	528	239	286	109	140	135
5	48	42	83	423	245	e295	509	216	367	102	207	121
6	44	62	95	367	e190	e280	493	201	349	95	272	95
7	42	74	89	329	e160	e260	430	197	318	84	186	76
8	37	66	90	304	e145	e225	409	209	513	81	439	64
9	28	59	e86	298	e140	e200	410	219	413	81	295	55
10	32	55	e90	289	e135	e210	412	197	327	94	219	49
11	34	60	84	e250	e125	e205	465	176	264	88	189	43
12	64	71	242	e230	e110	e220	656	202	258	117	150	38
13	69	231	247	e205	e100	e230	592	226	616	105	125	35
14	76	178	e450	e197	e95	e220	470	188	595	87	110	79
15	61	123	e400	e180	e90	234	401	167	424	77	92	60
16	60	100	e370	e164	e88	292	362	156	318	73	81	134
17	73	314	e300	e160	e86	487	321	148	263	76	77	113
18	67	428	e200	e155	e90	721	295	137	316	86	74	87
19	57	303	e180	e150	e100	808	284	128	378	141	86	163
20	51	211	422	e145	e110	662	270	118	320	130	72	179
21	47	163	1,170	e140	e120	1,180	258	115	274	95	63	120
22	44	175	741	e130	e125	1,520	278	122	441	207	57	93
23	42	188	496	e115	563	1,240	285	134	841	315	52	435
24	36	170	381	e100	e500	922	248	148	600	218	44	640
25	34	162	339	e95	e450	750	231	168	402	158	42	290
26	98	125	e330	e90	e370	636	302	530	292	120	40	194
27	157	126	e270	e80	e300	642	454	848	231	98	37	169
28	111	120	e240	e82	e250	553	345	509	188	81	35	185
29	86	109	e220	e90	---	509	281	428	164	69	33	297
30	63	119	e205	e95	---	1,020	241	332	153	59	32	224
31	54	---	e200	e100	---	952	---	268	---	53	30	---
TOTAL	1,820	4,010	8,428	7,338	5,249	16,423	11,994	7,464	11,290	3,484	3,718	4,696
MEAN	58.7	134	272	237	187	530	400	241	376	112	120	157
MAX	157	428	1,170	864	563	1,520	686	848	841	315	439	640
MIN	28	41	83	80	86	200	231	115	153	53	30	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

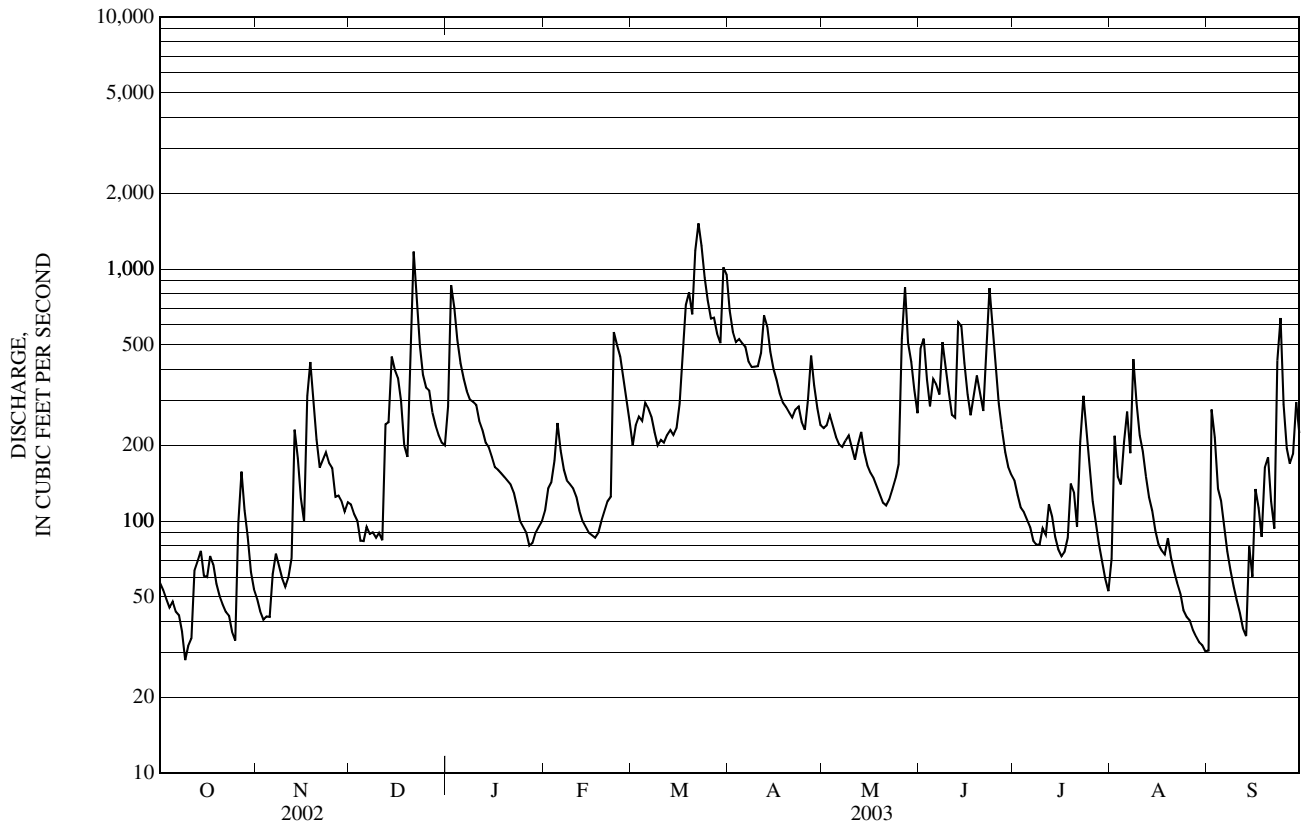
MEAN	113	182	237	264	264	412	397	260	184	91.3	88.5	96.8
MAX	606	631	761	929	619	1,050	897	596	869	421	972	1,176
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1940)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	15.5	25.4	55.2	35.6	77.7	174	145	108	35.9	22.2	12.4	14.5
(WY)	(1958)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1957)	(1999)	(1957)	(1999)	(1957)

e Estimated

01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	50,088		85,914		215	
ANNUAL MEAN	137		235		370	
HIGHEST ANNUAL MEAN					97.9	1938
LOWEST ANNUAL MEAN					12,900	1965
HIGHEST DAILY MEAN	1,170	Dec 21	1,520	Mar 22	7.6	Sep 21, 1938
LOWEST DAILY MEAN	12	Aug 19	28	Oct 9	2.5	Sep 18, 1949
ANNUAL SEVEN-DAY MINIMUM	14	Aug 13	34	Aug 26	7.6	Aug 30, 1999
MAXIMUM PEAK FLOW			1,620	Mar 22	a 24,200	Aug 19, 1955
MAXIMUM PEAK STAGE			7.35	Mar 22	b 18.66	Aug 19, 1955
INSTANTANEOUS LOW FLOW			27	Oct 9	2.0	Aug 21, 1949
10 PERCENT EXCEEDS	303		509		449	
50 PERCENT EXCEEDS	87		170		146	
90 PERCENT EXCEEDS	28		54		34	

- a From rating curve extended above 3,600 ft³/s on basis of computation of flow over dam at gage height 12.2 ft, and from contracted opening measurement of peak flow.
- b From floodmarks.



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 mi².

PERIOD OF RECORD.--May 1962 to September 1964, March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 21...	1030	108	1.0	12.8	100	7.0	80	7.0	4.5	17	4.15	1.73	1.23
JAN 14...	0930	370	0.92	14.6	101	6.8	82	-5.0	0.0	17	4.06	1.66	0.92
MAR 10...	1015	187	0.99	14.4	99	7.0	84	-4.5	0.0	16	3.81	1.48	0.84
MAY 05...	0915	94	1.0	11.1	102	7.0	80	19.0	11.5	16	3.93	1.50	0.92
JUN 09...	1230	310	2.7	9.6	98	6.8	68	19.0	15.5	14	3.55	1.34	0.73
JUL 21...	1115	32	1.4	8.9	100	7.0	93	25.5	20.5	21	5.39	1.89	1.17
AUG 14...	0915	65	1.3	8.2	95	7.2	87	26.5	22.5	22	5.67	1.89	1.30
SEP 09...	0845	23	1.7	9.8	100	7.2	96	25.5	16.0	22	5.43	1.99	1.31

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, titr., mg/L (00453)	Carbonate, wat fltrd, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd, mg/L (00500)	Residue on evap. at 180degC wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 21...	6.28	14	17	0.0	11.0	<0.17	7.83	7.0	61	65	0.27	0.30	<0.04
JAN 14...	7.03	16	20	0.0	11.6	<0.17	9.42	6.7	60	65	0.22	0.23	<0.04
MAR 10...	7.99	7	8	0.0	12.8	0.05	8.74	6.4	57	55	0.21	0.20	E.03
MAY 05...	7.50	9	11	0.0	12.4	<0.17	3.82	5.7	50	59	0.18	0.20	<0.04
JUN 09...	6.16	14	18	0.0	9.97	<0.2	6.58	4.9	59	53	0.23	0.33	<0.04
JUL 21...	8.27	13	16	0.0	13.5	<0.2	8.03	4.1	62	59	0.25	0.25	<0.04
AUG 14...	8.03	12	15	0.0	11.8	<0.2	8.74	3.2	68	63	0.32	0.38	<0.04
SEP 09...	8.16	12	15	0.0	13.6	<0.2	8.29	4.9	61	60	0.25	0.27	<0.04

01120800 NATCHAUG RIVER AT CHAPLIN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
NOV 21...	0.11	E.004	<0.02	E.003	0.014	0.41	7.5	--	60	46	<0.30	7	<0.06
JAN 14...	0.22	<0.008	<0.02	0.006	0.011	0.45	4.4	14k	20	45	<0.30	7	<0.06
MAR 10...	0.25	<0.008	<0.02	0.005	0.011	0.45	3.6	35	47	42	<0.30	8	<0.06
MAY 05...	0.06	<0.008	<0.02	E.004	0.010	0.26	4.5	10k	22	27	<0.30	6	<0.06
JUN 09...	0.10	<0.008	<0.02	0.011	0.021	0.43	6.1	92	74	50	<0.30	6	<0.06
JUL 21...	0.18	<0.008	<0.02	0.009	0.014	0.43	5.0	28	43	24	<0.30	5	<0.06
AUG 14...	0.12	<0.008	<0.02	0.010	0.021	0.51	8.2	39	51	22	<0.30	6	<0.06
SEP 09...	0.12	<0.008	<0.02	0.007	0.014	0.39	5.2	30	51	13	<0.30	6	<0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 21...	<0.04	<0.8	0.061	0.6	166	0.12	6.1	0.5	0.61	<0.2	2	0.04
JAN 14...	0.04	<0.8	0.089	0.7	139	0.14	17.6	<0.3	0.65	<0.2	9	0.03
MAR 10...	<0.04	<0.8	0.100	0.4	95	E.07	21.5	E.2	0.70	<0.2	2	0.04
MAY 05...	<0.04	<0.8	0.065	0.4	113	E.06	10.2	<0.3	0.37	<0.2	1	0.04
JUN 09...	<0.04	<0.8	0.083	0.6	195	0.12	11.9	<0.3	0.58	<0.2	2	0.05
JUL 21...	<0.04	<0.8	0.069	0.9	263	0.09	8.8	<0.3	0.53	<0.2	Mn	0.04
AUG 14...	<0.04	<0.8	0.087	1.3	217	E.07n	12.1	E.2n	0.74	<0.2	Mn	0.05
SEP 09...	<0.04	<0.8	0.062	0.6	91	E.05n	6.8	<0.3	0.46	<0.2	Mn	0.03

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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 Rt. 89, 1.8 mi south of Warrenville, and 3.2 mi southwest of Ashford.

DRAINAGE AREA.--28.6 mi².

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 estimated record, 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	2015	521	4.72	May 26	1930	*813	*5.81
Mar 18	1915	419	4.28	Jun 1	1515	432	4.34
Mar 21	0900	637	5.18	Jul 22	2000	446	4.40

Minimum discharge, 1.7 ft³/s, Oct. 10, 11, gage height, 0.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	5.4	e20	65	e20	e50	119	53	242	25	19	2.5
2	3.5	4.8	e19	217	e22	e120	100	53	159	21	42	85
3	2.9	4.3	e18	e90	e20	e95	94	51	92	18	25	43
4	2.5	4.6	e17	e75	48	e75	103	43	75	18	29	26
5	2.8	7.2	e16	e65	76	e65	96	39	120	15	35	21
6	3.0	15	e16	e60	e35	e56	95	37	87	14	64	14
7	2.5	16	e15	e55	e25	e52	76	39	92	11	37	10
8	2.2	11	e15	e60	e22	e48	74	45	133	9.8	223	8.1
9	2.0	8.1	e15	e54	e20	e46	80	45	91	14	88	6.7
10	1.9	7.2	e14	e50	e19	e44	86	39	68	18	57	5.6
11	2.2	10	e14	e46	e18	e43	115	35	57	14	44	4.8
12	9.2	18	88	e42	e17	e42	162	42	57	20	31	4.0
13	13	64	65	e40	e16	e41	109	41	215	13	24	3.6
14	11	37	167	e37	e16	e40	81	37	173	10	26	7.2
15	7.5	24	130	e34	e15	e39	71	33	105	9.0	20	7.4
16	7.9	20	e70	e32	e14	83	64	29	72	9.1	15	36
17	18	93	e55	e30	e14	171	55	27	58	10	13	19
18	12	96	e50	e29	e13	285	51	25	97	12	12	12
19	8.4	54	e42	e28	e13	237	49	23	110	21	12	28
20	6.6	38	190	e27	e14	161	46	20	73	13	10	32
21	18	30	221	e26	e16	526	44	21	59	8.8	8.4	17
22	17	43	97	e25	52	384	59	25	126	117	7.3	12
23	17	47	70	e24	e200	229	62	30	183	137	6.2	66
24	16	35	58	e23	e150	154	50	34	98	57	4.7	70
25	16	33	e53	e22	e125	123	44	38	65	35	4.0	33
26	43	26	e49	e21	e85	107	85	278	50	25	3.8	23
27	38	e25	e45	e20	e70	117	116	280	41	17	3.6	21
28	18	e24	e41	e19	e55	89	72	121	33	14	3.1	27
29	12	e22	e38	e19	---	95	60	105	28	10	2.6	40
30	8.4	e21	e35	e18	---	309	52	72	27	8.0	2.6	26
31	6.4	---	40	e18	---	184	---	58	---	6.5	2.4	---
TOTAL	333.6	843.6	1,783	1,371	1,210	4,110	2,370	1,818	2,886	730.2	874.7	710.9
MEAN	10.8	28.1	57.5	44.2	43.2	133	79.0	58.6	96.2	23.6	28.2	23.7
MAX	43	96	221	217	200	526	162	280	242	137	223	85
MIN	1.9	4.3	14	18	13	39	44	20	27	6.5	2.4	2.5
CFSM	0.38	0.98	2.01	1.55	1.51	4.64	2.76	2.05	3.36	0.82	0.99	0.83
IN.	0.43	1.10	2.32	1.78	1.57	5.35	3.08	2.36	3.75	0.95	1.14	0.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

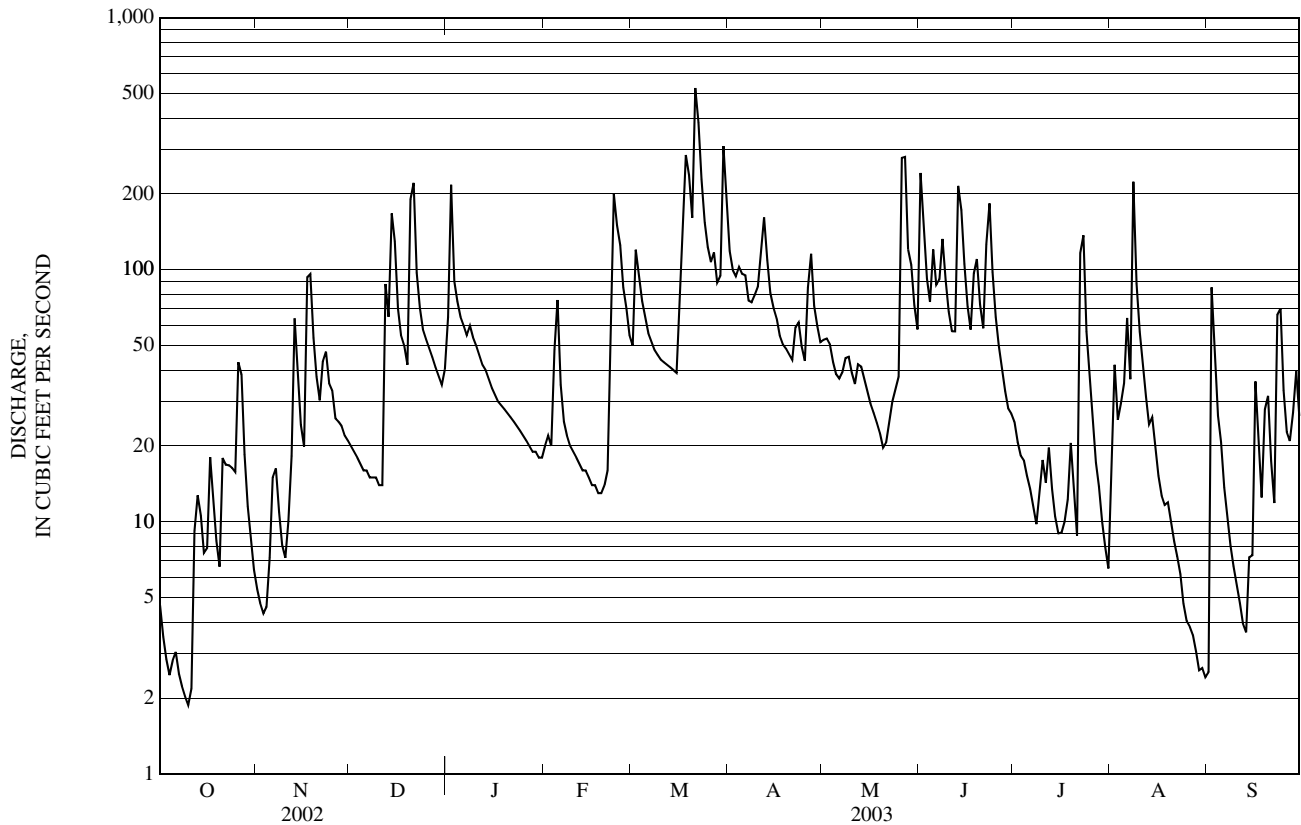
	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																			
1941	25.9	144	(1956)	3.44	(1958)	46.4	131	(1956)	4.27	(2002)	61.7	200	(1997)	12.4	(2002)	69.0	264	(1979)	12.0	(1981)	71.7	203	(1970)	16.2	(1980)	108	219	(1972)	47.4	(1981)	92.8	197	(1983)	29.7	(1985)	60.2	119	(1984)	19.0	(1957)	38.2	207	(1982)	4.99	(1957)	15.2	60.4	(1972)	1.35	(1957)	16.0	148	(1955)	0.79	(1957)	15.8	118	(1954)	1.05	(1953)

e Estimated

01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL TOTAL	11,280.30		19,041.0		51.7	
ANNUAL MEAN	30.9		52.2		75.0	
HIGHEST ANNUAL MEAN					1972	
LOWEST ANNUAL MEAN					25.0	
HIGHEST DAILY MEAN	409	May 14	526	Mar 21	2,640	Aug 19, 1955
LOWEST DAILY MEAN	0.46	Aug 19	1.9	Oct 10	0.20	Aug 21, 1957
ANNUAL SEVEN-DAY MINIMUM	0.71	Aug 13	2.4	Oct 5	0.40	Aug 8, 1957
MAXIMUM PEAK FLOW			813	May 26	a 5,590	Aug 19, 1955
MAXIMUM PEAK STAGE			5.81	May 26	b 10.41	Aug 19, 1955
INSTANTANEOUS LOW FLOW			c 1.7	Oct 10	0.15	Aug 25, 1957
ANNUAL RUNOFF (CFSM)	1.08		1.82		1.81	
ANNUAL RUNOFF (INCHES)	14.67		24.77		24.54	
10 PERCENT EXCEEDS	67		117		113	
50 PERCENT EXCEEDS	18		34		31	
90 PERCENT EXCEEDS	3.0		7.3		4.1	

- a From rating curve extended above 890 ft³/s on basis of contracted opening of peak flow.
- b From floodmarks in gage well.
- c Also occurred Oct. 11.



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 Rt. 66, 1 mi northeast of Willimantic, 1.6 mi upstream from mouth, and 3.7 mi downstream from Mansfield Hollow Dam.

DRAINAGE AREA.--174 mi².

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 1301: 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.--Records good except those for periods of estimated daily discharge, which are fair. 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, 1,790 ft³/s, May 27, gage height, 6.42 ft; minimum discharge, 34 ft³/s, Aug. 31, gage height, 1.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	129	178	301	131	351	1,470	468	571	207	94	38
2	88	127	176	467	137	412	1,180	418	866	146	91	242
3	88	121	153	844	165	513	785	340	1,060	90	89	329
4	86	109	124	835	212	666	675	336	867	90	93	267
5	86	104	126	779	239	681	677	333	563	90	113	187
6	83	110	124	604	296	660	673	284	398	89	136	71
7	75	105	123	400	269	528	583	243	422	89	156	72
8	47	104	123	364	235	358	452	250	437	89	430	71
9	47	102	121	296	231	372	462	248	434	93	573	69
10	47	101	120	301	193	371	466	246	433	91	559	68
11	49	105	125	300	149	368	583	243	428	96	536	67
12	52	116	167	299	148	373	739	243	761	95	356	66
13	49	139	313	295	e149	353	734	241	1,130	92	182	66
14	46	172	542	292	e150	288	723	240	899	91	145	72
15	44	217	533	242	e152	259	708	240	494	91	98	71
16	52	202	676	172	e154	294	537	217	803	95	97	92
17	49	260	639	172	157	441	405	191	771	92	97	77
18	49	490	495	173	158	668	374	190	766	92	97	76
19	48	613	467	173	151	1,230	338	156	742	95	97	88
20	47	500	538	173	148	1,360	337	129	593	90	96	93
21	43	355	822	173	149	1,440	335	131	439	91	95	102
22	43	265	940	170	e160	1,540	344	128	456	97	95	e130
23	45	256	794	168	e240	1,550	343	124	740	278	93	160
24	61	250	598	143	572	1,480	336	127	874	469	87	206
25	87	244	522	112	863	1,170	403	127	833	341	68	199
26	110	132	504	112	835	732	484	258	435	240	56	198
27	97	184	483	113	697	661	488	1,070	284	236	50	198
28	114	181	470	112	520	704	483	1,700	280	180	45	203
29	135	180	457	113	---	653	478	1,170	249	98	41	230
30	133	179	442	120	---	722	471	545	224	91	39	213
31	132	---	359	131	---	1,100	---	537	---	85	37	---
TOTAL	2,221	6,152	12,254	8,949	7,660	22,298	17,066	11,173	18,252	4,209	4,841	4,021
MEAN	71.6	205	395	289	274	719	569	360	608	136	156	134
MAX	135	613	940	844	863	1,550	1,470	1,700	1,130	469	573	329
MIN	43	101	120	112	131	259	335	124	224	85	37	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

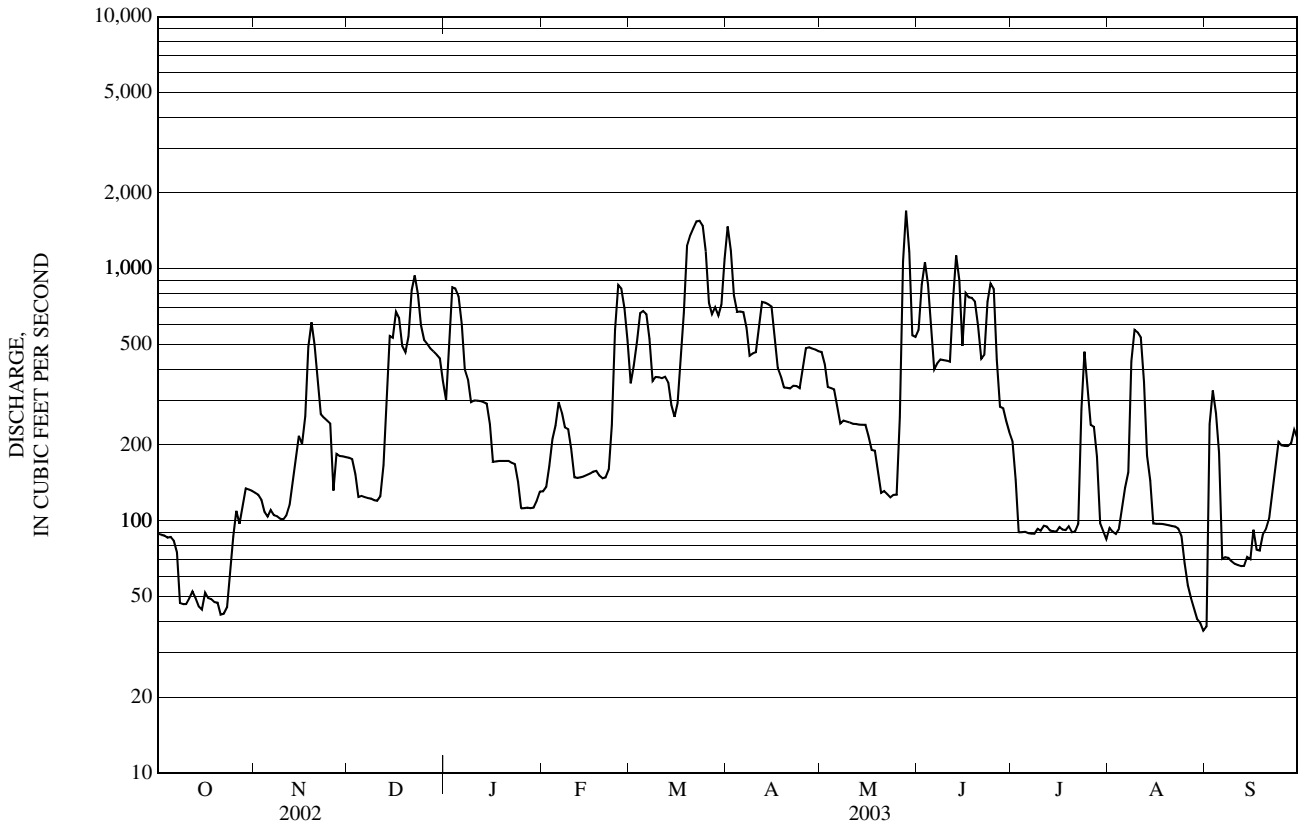
MEAN	146	260	344	374	390	614	574	355	246	114	95.1	123
MAX	880	844	1,082	1,183	932	1,681	1,315	676	1,298	887	836	1,523
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	19.3	31.0	70.0	61.6	88.9	245	194	119	35.3	11.8	10.3	11.2
(WY)	(1931)	(1932)	(1932)	(1981)	(1980)	(2002)	(1985)	(1957)	(1957)	(1957)	(1957)	(1943)

e Estimated

01122000 NATCHAUG RIVER AT WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	67,963		119,096		302	
ANNUAL MEAN	186		326		142	
HIGHEST ANNUAL MEAN					550	1938
LOWEST ANNUAL MEAN					142	1965
HIGHEST DAILY MEAN	1,700	May 15	1,700	May 28	18,200	Sep 21, 1938
LOWEST DAILY MEAN	23	Sep 13	37	Aug 31	2.3	Sep 11, 1943
ANNUAL SEVEN-DAY MINIMUM	27	Sep 8	44	Aug 26	3.9	Jul 25, 1949
MAXIMUM PEAK FLOW			1,790	May 27	a 32,000	Sep 21, 1938
MAXIMUM PEAK STAGE			6.42	May 27	b 16.39	Sep 21, 1938
INSTANTANEOUS LOW FLOW			34	Aug 31	0.30	Aug 6, 1937
10 PERCENT EXCEEDS	468		736		671	
50 PERCENT EXCEEDS	110		213		190	
90 PERCENT EXCEEDS	32		76		36	

a From computation of peak flow over dam 2 mi upstream.
 b From floodmarks.



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 Rd., 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 mi².

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: 1934(M). WSP 801: 1935. WSP 1201: 1905(M), 1920-21. 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.--Records good, except those for periods of estimated record, which are fair. 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, 4,890 ft³/s, Mar. 22, gage height, 8.30 ft; minimum discharge, 72 ft³/s, Aug. 31, Sep. 1, gage height, 1.85 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e175	234	477	867	330	815	2,930	939	1,620	460	181	77
2	e165	228	436	2,480	363	1,040	2,360	926	2,260	367	431	679
3	157	208	397	2,600	412	1,810	1,800	875	1,970	277	366	778
4	145	191	309	2,130	512	1,700	1,650	811	1,570	265	318	518
5	145	185	323	1,810	722	1,490	1,630	750	1,510	249	411	399
6	139	221	324	1,470	e450	1,570	1,650	668	1,240	237	624	224
7	129	260	316	1,110	e360	1,280	1,410	612	1,100	217	500	192
8	95	235	318	1,010	e375	979	1,210	651	1,500	208	1,210	172
9	81	211	303	914	e380	1,020	1,240	685	1,280	211	1,210	155
10	82	202	302	910	e350	1,070	1,330	628	1,090	232	1,000	140
11	91	213	306	835	e330	940	1,520	574	941	231	910	132
12	126	262	748	e750	e310	902	2,300	598	1,260	258	655	124
13	178	733	989	e600	e300	907	2,170	628	2,650	243	401	120
14	174	647	1,750	e550	e290	776	1,760	584	2,740	212	334	176
15	155	547	2,110	e520	e300	736	1,560	536	1,560	200	249	184
16	194	462	1,740	e500	e285	904	1,270	497	1,570	197	226	353
17	235	1,130	1,460	e470	e300	1,630	1,010	447	1,370	200	212	305
18	210	1,780	1,040	e440	850	2,480	921	423	1,480	198	203	214
19	184	1,490	933	e430	539	3,330	849	373	1,680	279	211	395
20	170	1,080	1,380	e425	375	2,960	820	325	1,300	270	197	549
21	157	801	3,340	e430	380	3,960	792	319	987	216	183	350
22	162	737	2,580	e420	460	4,770	844	332	1,190	266	173	277
23	158	765	1,880	e415	1,350	4,170	908	366	2,440	1,050	165	588
24	158	673	1,400	e350	2,110	3,360	811	412	2,230	884	150	1,850
25	186	615	1,220	e300	2,130	2,650	830	457	1,730	625	124	804
26	313	424	1,290	e260	1,760	1,950	1,040	1,110	1,050	434	111	576
27	505	479	1,120	e255	1,440	1,860	1,570	3,750	720	387	100	498
28	365	469	1,020	e250	1,110	1,780	1,230	3,060	633	311	91	491
29	333	442	949	307	---	1,610	1,060	2,370	550	200	83	875
30	288	454	888	319	---	2,640	960	1,330	492	178	80	650
31	264	---	802	323	---	3,060	---	1,130	---	161	76	---
TOTAL	5,919	16,378	32,450	24,450	18,873	60,149	41,435	27,166	43,713	9,723	11,185	12,845
MEAN	191	546	1,047	789	674	1,940	1,381	876	1,457	314	361	428
MAX	505	1,780	3,340	2,600	2,130	4,770	2,930	3,750	2,740	1,050	1,210	1,850
MIN	81	185	302	250	285	736	792	319	492	161	76	77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

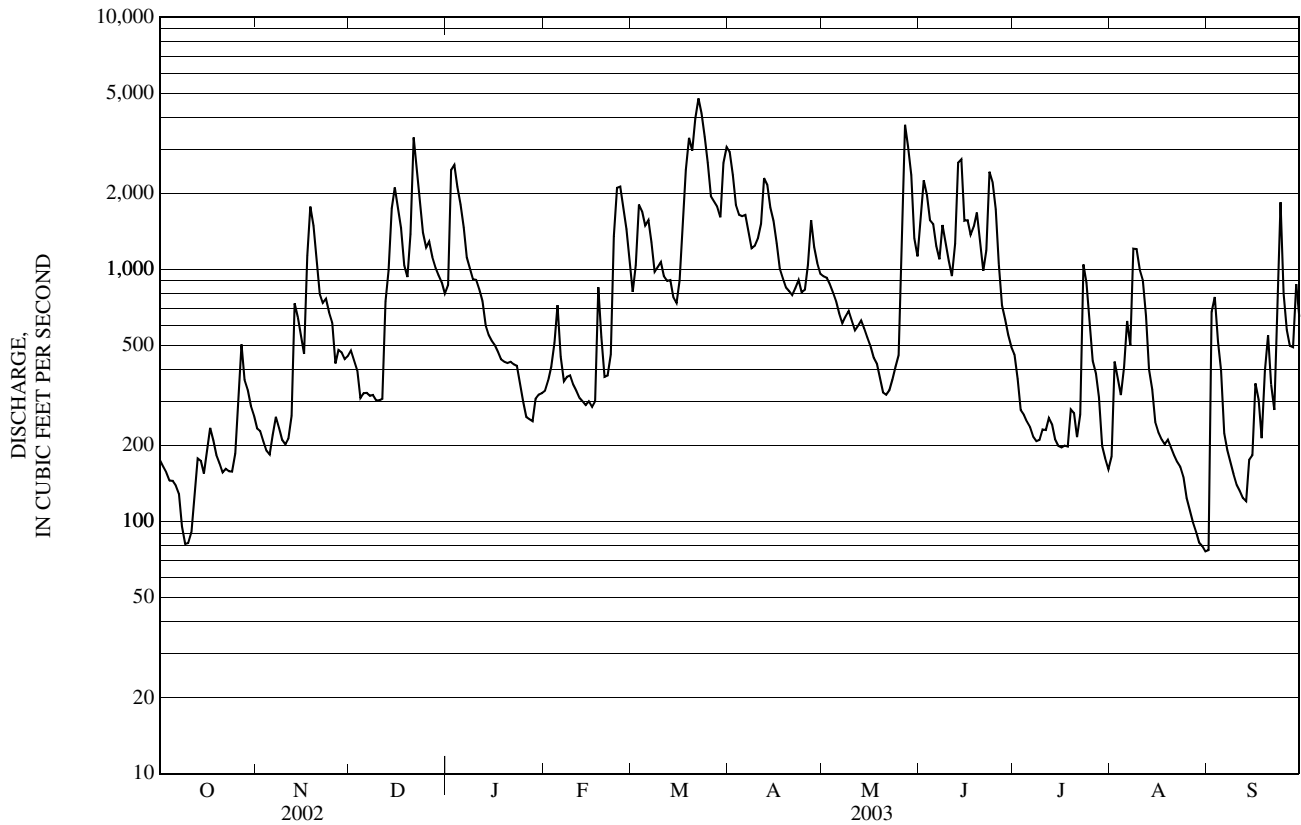
MEAN	375	620	815	893	906	1,429	1,338	847	571	266	241	289
MAX	2,246	2,156	2,667	2,945	2,246	3,949	2,943	1,814	2,911	1,755	2,114	3,571
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	49.4	85.0	170	132	236	563	454	319	110	48.6	44.5	45.0
(WY)	(1958)	(1932)	(1931)	(1981)	(1980)	(2002)	(1985)	(1957)	(1957)	(1957)	(1957)	(1957)

e Estimated

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	169,664		304,286			
ANNUAL MEAN	465		834		714	
HIGHEST ANNUAL MEAN					1,243	1938
LOWEST ANNUAL MEAN					337	1965
HIGHEST DAILY MEAN	3,470	May 14	4,770	Mar 22	35,500	Sep 21, 1938
LOWEST DAILY MEAN	45	Aug 19	76	Aug 31	19	Aug 22, 1949
ANNUAL SEVEN-DAY MINIMUM	49	Aug 13	88	Aug 26	31	Sep 7, 1995
MAXIMUM PEAK FLOW			4,890	Mar 22	a 52,200	Sep 21, 1938
MAXIMUM PEAK STAGE			8.30	Mar 22	b 27.60	Sep 21, 1938
INSTANTANEOUS LOW FLOW			c 72	Aug 31	15	Aug 29, 1949
10 PERCENT EXCEEDS	1,040		1,810		1,580	
50 PERCENT EXCEEDS	264		539		460	
90 PERCENT EXCEEDS	88		175		103	

- a From rating curve extended above 11,000 ft³/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.
- c Also occurred Sep. 1.



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 Rt. 203, at South Windham, 0.8 mi downstream from Jordan Brook, and 1.8 mi upstream from Cold Brook.

DRAINAGE AREA.--408 mi².

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	
OCT	15...	0915	150	1.8	10.0	89	7.2	156	10.0	11.0	32	8.81	2.44	3.27
NOV	20...	1230	1,060	2.5	12.5	102	6.6	107	14.0	6.5	23	5.82	1.96	1.83
DEC	16...	1130	1,610	3.0	14.2	105	7.0	107	1.5	2.0	21	5.52	1.78	1.75
JAN	15...	1215	641	1.4	14.2	99	6.5	120	-4.0	0.5	23	6.13	1.96	1.36
MAR	11...	1215	950	1.4	14.9	104	6.9	126	2.5	1.0	21	5.54	1.78	1.30
APR	09...	0915	1,220	0.99	13.4	101	7.0	111	2.5	3.5	19	5.08	1.59	1.22
MAY	06...	1200	699	1.6	10.4	100	7.0	110	14.0	13.5	21	5.47	1.67	1.37
JUN	10...	1345	1,080	2.9	9.6	102	7.1	95	27.0	18.0	18	4.88	1.42	1.01
JUL	23...	1300	975	18	8.3	95	7.0	99	28.0	21.7	20	5.41	1.60	2.45
AUG	20...	1245	202	1.5	8.6	105	7.3	137	31.0	25.0	29	7.99	2.28	2.22
SEP	03...	1045	781	4.4	9.2	97	7.0	120	22.0	18.0	25	6.67	1.94	2.16

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, titr., mg/L (00453)	Carbonate, wat fltrd, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd, mg/L (00500)	Residue on evap. at 180degC wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, as N (00623)	Ammonia + org-N, water, unfltrd, as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)
OCT	13.7	21	26	0.0	21.3	<0.17	7.78	12.2	94	88	0.33	0.41	0.10
NOV	8.38	10	12	0.0	14.1	<0.17	8.17	8.9	76	70	0.34	0.39	0.08
DEC	10.1	8	10	0.0	15.1	<0.17	8.80	8.3	68	71	0.31	0.40	0.09
JAN	10.7	11	13	0.0	17.3	<0.17	9.97	9.2	75	73	0.24	0.26	0.09
MAR	11.6	7	9	0.0	22.4	0.07	8.92	8.9	79	74	0.20	0.21	0.07
APR	10.3	8	10	0.0	18.2	0.04	7.56	8.2	71	69	0.16	0.21	0.05
MAY	10.2	11	14	0.0	17.0	<0.17	4.63	8.1	72	77	0.21	0.26	E.02
JUN	8.14	11	13	0.0	13.8	<0.2	6.56	7.3	68	68	0.22	0.37	E.02
JUL	8.93	11	13	0.0	13.5	<0.2	6.06	7.2	92	73	E.45	E.71	E.03
AUG	12.8	18	21	0.0	20.4	<0.2	8.85	8.6	87	93	0.32	0.41	<0.04
SEP	9.75	13	16	0.0	16.6	<0.2	7.46	8.0	91	75	0.38	0.54	<0.04

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 15...	0.42	0.017	0.31	E.01	0.019	0.035	0.83	5.0	--	50	9	<0.30	10
NOV 20...	0.25	E.005	0.31	<0.02	0.013	0.037	0.64	6.9	--	640	38	E.21	10
DEC 16...	0.37	<0.008	0.31	<0.02	0.013	0.033	0.77	6.5	--	1,020	54	<0.30	9
JAN 15...	0.47	E.007	0.17	E.01	0.018	0.028	0.73	4.2	61	84k	37	<0.30	10
MAR 11...	0.48	<0.008	0.15	<0.02	0.013	0.026	0.69	3.0	27	40	39	<0.30	11
APR 09...	0.33	<0.008	0.16	<0.02	0.009	0.018	0.55	3.3	85k	93k	34	<0.30	9
MAY 06...	0.15	<0.008	--	<0.02	0.006	0.017	0.41	3.8	21	22	21	<0.30	9
JUN 10...	0.24	E.006	--	<0.02	0.013	0.034	0.61	5.7	61	63	28	<0.30	8
JUL 23...	E.50	E.010	--	E.01	E.034	E.114	--	E9.9	5,200	11,100	46	<0.30	10
AUG 20...	0.28	E.007n	--	<0.18d	0.016	0.029	0.69	5.5	45	74	23	<0.30	8
SEP 03...	0.28	E.005n	--	<0.02	0.016	0.053	0.83	7.1	4,000	3,600	20	<0.30	9

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)
OCT 15...	<0.06	<0.04	<0.2	<0.8	<0.8	0.064	1.0	E1.0	184	360	0.16	<1	11.4
NOV 20...	<0.06	<0.04	<0.2	<0.8	E.7	0.097	0.9	<1.0	182	400	0.20	2	19.5
DEC 16...	<0.06	<0.04	<0.2	<0.8	E.6	0.141	0.9	E1.1	168	370	0.17	M	31.2
JAN 15...	<0.06	E.02	E.1	<0.8	<0.8	0.134	1.0	1.5	140	230	0.20	<1	31.1
MAR 11...	<0.06	E.02	<0.2	<0.8	<0.8	0.163	1.1	E.7	102	190	0.10	<1	32.1
APR 09...	<0.06	<0.04	<0.2	<0.8	<0.8	0.138	0.6	<1.0	79	140	0.09	<1	25.7
MAY 06...	<0.06	<0.04	<0.2	<0.8	<0.8	0.104	0.8	E.7	147	300	0.12	<1	21.9
JUN 10...	<0.06	<0.04	<0.2	E.5	<0.8	0.105	0.8	1.6	152	480	0.13	1	20.6
JUL 23...	<0.06	<0.04	<0.2	<0.8	1.2	0.106	1.7	2.5	287	1,280	0.38	3	14.8
AUG 20...	<0.06	<0.04	<0.04	<0.8	E.7n	0.090	0.9	1.0	233	740	0.13	0.42	14.4
SEP 03...	<0.06	<0.04	<0.04	<0.8	<0.8	0.075	0.9	1.4	149	740	0.13	0.76	8.2

THAMES RIVER BASIN

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
OCT 15...	0.4	0.73	<2.0	<0.2	1	<25	0.03
NOV 20...	0.6	0.86	<2.0	<0.2	3	<25	0.03
DEC 16...	<0.3	1.13	E2.0	<0.2	4	<25	0.04
JAN 15...	1.4	0.81	<2.0	<0.2	4	<25	0.03
MAR 11...	E.2	0.97	<2.0	<0.2	5	<25	0.03
APR 09...	0.4	0.81	<2.0	<0.2	5	<25	0.02
MAY 06...	E.2	0.67	<2.0	<0.2	2	<25	0.03
JUN 10...	E.2	0.70	<2.0	<0.2	3	5	0.03
JUL 23...	E.3n	0.96	E1.8n	<0.2	2	9	0.04
AUG 20...	0.8	0.99	1.11	<0.2	2	3	0.04
SEP 03...	0.3	0.82	1.09	<0.2	1	3	0.03

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the NDV

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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 Rd., 0.7 mi downstream from Peck Brook, 2.3 mi northeast of Hanover, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--30.0 mi².

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. Satellite telemetry at station.

REMARKS.--Records fair, except those for periods of estimated record, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 649 ft³/s, May 27, gage height, 4.54 ft; minimum discharge, 8.1 ft³/s, Oct. 10, gage height, 1.36 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	14	49	96	e25	e58	179	78	179	42	23	14
2	11	13	43	282	e26	e131	139	83	152	38	25	57
3	10	13	e34	160	e28	e229	119	73	91	70	23	44
4	9.5	12	e30	141	e41	e155	121	65	81	53	22	34
5	9.4	13	e28	110	e60	e104	116	60	138	47	24	31
6	9.3	17	e24	92	e49	e118	121	57	112	42	24	26
7	8.9	21	e22	81	e40	e102	98	58	86	37	22	23
8	8.7	17	e20	73	e36	e77	99	61	127	32	79	21
9	8.5	15	e19	71	e32	e95	109	60	91	31	51	19
10	8.3	15	e18	72	e30	e100	122	55	74	34	40	18
11	8.5	18	e18	e64	e27	e86	138	49	62	34	41	18
12	12	25	101	e57	e26	e72	194	51	65	35	32	17
13	15	83	90	e53	e25	e78	144	49	193	30	28	17
14	13	57	201	e50	e24	e67	109	48	177	27	26	17
15	12	40	168	e48	e23	65	92	44	111	26	24	18
16	13	35	e100	e45	e22	103	84	42	77	26	23	31
17	24	101	e80	e43	e21	202	72	41	65	29	21	26
18	18	123	e70	e41	e20	266	67	38	98	25	24	21
19	14	76	e60	e39	e20	226	64	35	114	30	25	26
20	13	57	214	e37	e20	156	64	34	80	27	20	26
21	12	49	439	e35	e19	471	60	34	64	24	19	22
22	11	82	182	e33	55	325	74	39	96	25	18	19
23	11	91	132	e32	234	199	83	45	188	42	17	33
24	11	69	107	e30	247	146	67	47	101	42	16	51
25	11	59	106	e29	157	121	60	45	74	35	16	32
26	22	51	127	e29	e90	108	101	193	61	29	16	26
27	35	52	98	e28	e73	125	207	409	57	25	15	23
28	22	52	84	e27	e62	101	114	143	49	22	15	22
29	18	50	76	e27	---	100	87	115	45	21	14	26
30	16	48	70	e26	---	400	77	85	43	20	14	23
31	15	---	74	e25	---	333	---	72	---	19	14	---
TOTAL	422.1	1,368	2,884	1,976	1,532	4,919	3,181	2,308	2,951	1,019	771	781
MEAN	13.6	45.6	93.0	63.7	54.7	159	106	74.5	98.4	32.9	24.9	26.0
MAX	35	123	439	282	247	471	207	409	193	70	79	57
MIN	8.3	12	18	25	19	58	60	34	43	19	14	14
CFSM	0.45	1.52	3.10	2.12	1.82	5.29	3.53	2.48	3.28	1.10	0.83	0.87
IN.	0.52	1.70	3.58	2.45	1.90	6.10	3.94	2.86	3.66	1.26	0.96	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

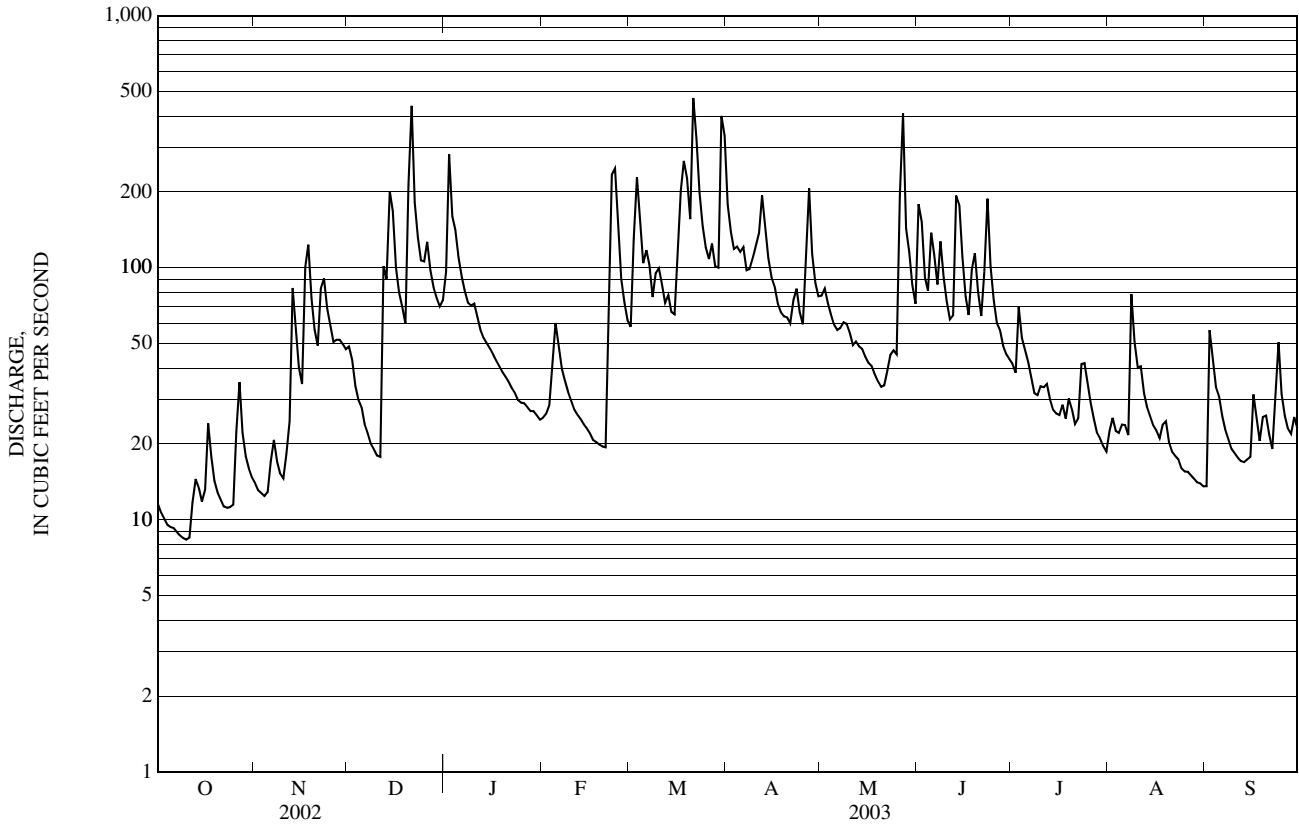
MEAN	30.5	51.3	67.7	75.9	76.3	108	98.6	65.0	45.4	21.0	18.4	17.3
MAX	186	147	179	288	172	221	229	133	221	73.5	116	77.6
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1972)	(1983)	(1967)	(1982)	(1972)	(1955)	(1954)
MIN	5.25	8.34	12.8	11.6	19.3	40.7	29.2	26.8	11.4	5.85	4.95	4.98
(WY)	(1964)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1957)	(1999)	(1957)	(1993)	(1965)

e Estimated

01123000 LITTLE RIVER NEAR HANOVER, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	12,586.7		24,112.1			
ANNUAL MEAN	34.5		66.1		56.2	
HIGHEST ANNUAL MEAN					86.2	1984
LOWEST ANNUAL MEAN					24.2	2002
HIGHEST DAILY MEAN	439	Dec 21	471	Mar 21	1,960	Jun 6, 1982
LOWEST DAILY MEAN	6.3	Sep 13	8.3	Oct 10	3.4	Aug 19, 1987
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 9	8.8	Oct 5	4.0	Sep 6, 1963
MAXIMUM PEAK FLOW			649	May 27	a 2,450	Jun 6, 1982
MAXIMUM PEAK STAGE			4.54	May 27	b 8.31	Jun 6, 1982
INSTANTANEOUS LOW FLOW			8.1	Oct 10	c 2.9	Aug 16, 1988
ANNUAL RUNOFF (CFSM)	1.15		2.20		1.87	
ANNUAL RUNOFF (INCHES)	15.61		29.90		25.44	
10 PERCENT EXCEEDS	70		138		115	
50 PERCENT EXCEEDS	22		44		36	
90 PERCENT EXCEEDS	9.1		15		8.8	

- a From rating curve extended above 820 ft³/s.
- b From floodmarks in gage well.
- c Also occurred Aug. 20, 22, 1988.



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 Rt. 197, 0.2 mi downstream from Massachusetts-Connecticut State line, 7.8 mi upstream from French River, and at mile 46.

DRAINAGE AREA.--155 mi².

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 estimated record, which are poor. Flow regulated by East Brimfield and Westville Lakes, and by smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,070 ft³/s, Mar. 21, gage height, 5.71 ft; minimum discharge, 20 ft³/s, Nov. 3, gage height, 2.13 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	80	e165	334	e165	364	1,020	312	468	316	118	53
2	53	72	e155	605	e162	374	835	285	492	259	149	123
3	49	48	e150	582	e165	559	739	284	435	221	137	82
4	50	58	e140	568	185	530	738	301	371	193	183	88
5	51	57	e130	539	227	450	716	297	398	172	249	64
6	43	96	e120	512	254	449	692	273	381	153	258	67
7	41	74	e133	468	205	445	640	245	386	136	237	63
8	36	75	e128	409	e195	388	612	246	535	114	356	60
9	33	70	e118	386	e190	380	543	253	488	112	320	57
10	30	68	e105	371	e185	380	467	245	428	107	286	54
11	29	70	e101	347	e170	338	566	229	379	110	270	55
12	85	81	e126	318	e173	326	728	257	393	134	222	52
13	110	178	164	e280	e168	317	663	232	524	127	199	49
14	120	139	358	e270	e163	326	604	223	548	120	190	53
15	114	117	491	e260	e159	277	623	206	502	113	160	54
16	127	115	443	e250	e158	303	556	185	445	101	141	86
17	158	234	379	e240	e155	446	453	168	393	95	118	69
18	155	363	346	e235	e152	640	427	152	392	93	112	61
19	147	420	328	e230	e149	790	308	146	376	126	96	101
20	131	402	523	e221	e147	800	298	123	330	107	93	114
21	112	354	898	e214	e145	1,360	292	121	296	106	78	131
22	106	343	743	e204	e154	1,660	285	116	599	132	62	140
23	103	301	757	e213	e789	1,560	291	121	1,010	172	65	210
24	103	274	768	e194	756	1,340	272	135	871	164	58	283
25	103	251	670	e190	558	1,250	257	157	749	163	51	271
26	131	224	586	e184	528	1,070	338	376	633	162	51	257
27	156	e215	455	e179	492	867	597	657	448	141	50	206
28	133	e200	407	e184	403	752	573	542	353	126	50	174
29	132	e185	367	e176	---	764	472	479	302	99	53	150
30	103	e175	338	e170	---	1,040	372	402	280	88	55	114
31	89	---	319	e170	---	1,100	---	426	---	76	55	---
TOTAL	2,893	5,339	10,911	9,503	7,352	21,645	15,977	8,194	14,205	4,338	4,522	3,341
MEAN	93.3	178	352	307	263	698	533	264	474	140	146	111
MAX	158	420	898	605	789	1,660	1,020	657	1,010	316	356	283
MIN	29	48	101	170	145	277	257	116	280	76	50	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

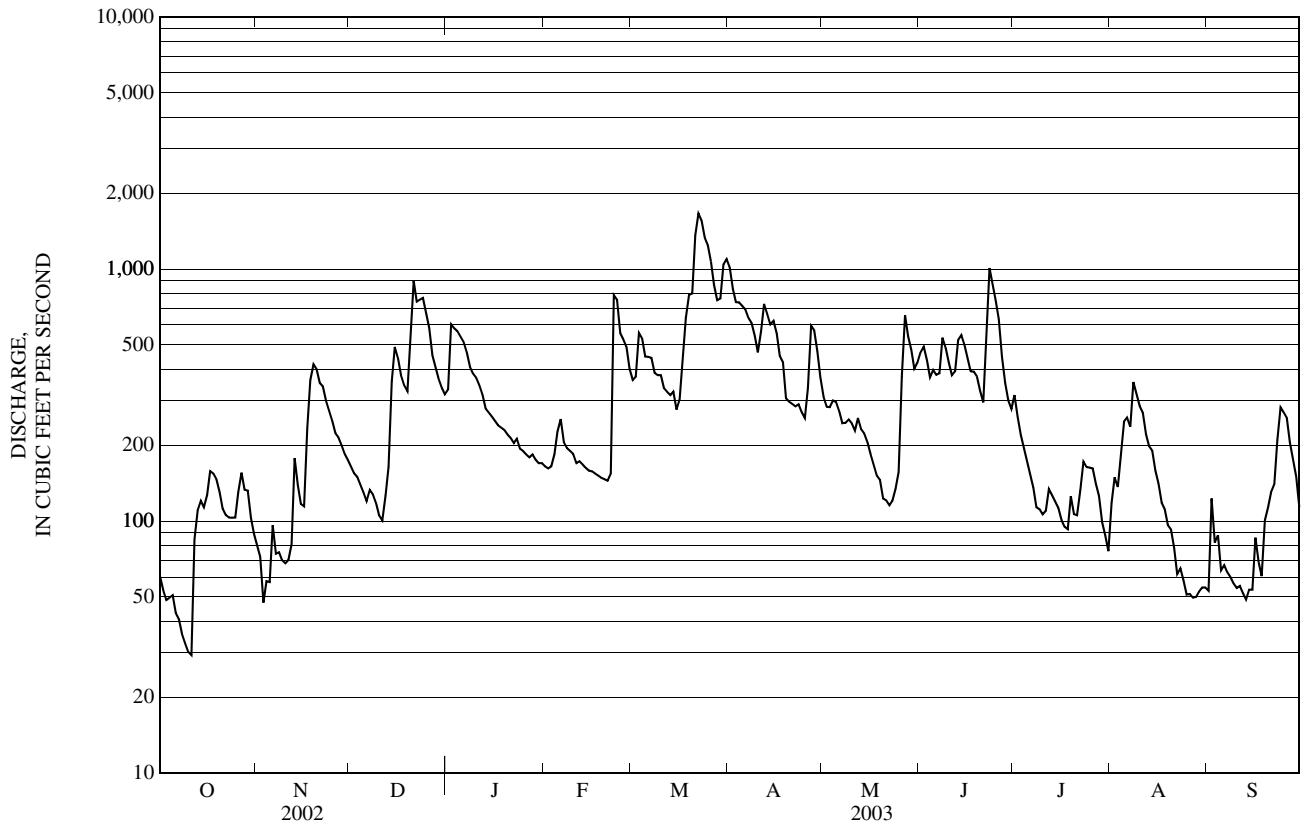
MEAN	150	226	309	332	336	538	542	307	215	101	109	110
MAX	701	711	1,008	1,028	845	1,669	1,239	658	1,057	700	1,971	1,296
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1940)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	16.3	29.2	51.6	51.9	83.0	211	169	131	33.2	17.8	12.9	12.2
(WY)	(1958)	(2002)	(2002)	(2002)	(1980)	(2002)	(1985)	(1957)	(1999)	(1957)	(1957)	(1957)

e Estimated

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	62,633		108,220			
ANNUAL MEAN	172		296		273	
HIGHEST ANNUAL MEAN					466	1955
LOWEST ANNUAL MEAN					124	1965
HIGHEST DAILY MEAN	898	Dec 21	1,660	Mar 22	26,500	Aug 19, 1955
LOWEST DAILY MEAN	15	Aug 25	29	Oct 11	1.0	Sep 4, 1956
ANNUAL SEVEN-DAY MINIMUM	15	Aug 22	38	Oct 5	8.7	Sep 30, 1957
MAXIMUM PEAK FLOW			2,070	Mar 21	a 49,300	Aug 19, 1955
MAXIMUM PEAK STAGE			5.71	Mar 21	b 18.96	Aug 19, 1955
INSTANTANEOUS LOW FLOW			20	Nov 3	c 1.0	Sep 4, 1956
10 PERCENT EXCEEDS	401		616		607	
50 PERCENT EXCEEDS	113		214		183	
90 PERCENT EXCEEDS	28		66		36	

- a From rating curve extended above 820 ft³/s on basis of slope-area measurement of peak flow.
- b From floodmarks.
- c Also occurred July 12, 1949, Sep. 17, 18, 1950, July 9, 1951, Sep. 4, 1956, Oct. 29, 1956, and Jan. 27, 1985 (ice siphoning).



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 April 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 Sept. 7, 1969.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 12...	1115	71	1.7	11.3	104	6.4	276	13.5	11.0	43	12.4	2.90	2.91
JAN 13...	1015	358	1.2	14.1	98	6.9	226	-3.5	0.0	27	7.30	2.20	1.57
MAR 13...	1030	310	1.6	14.7	104	6.7	226	-1.0	1.0	27	7.10	2.20	1.46
MAY 08...	1100	239	1.6	9.5	94	7.1	236	14.0	15.5	29	7.94	2.27	1.66
JUN 11...	1415	333	2.9	8.8	96	7.0	170	22.0	18.5	24	6.42	1.99	1.27
JUL 24...	0915	149	3.5	7.6	89	6.9	221	28.0	23.0	31	8.38	2.37	2.12
AUG 21...	0915	130	2.9	7.9	96	7.3	245	27.5	23.0	36	10.2	2.66	2.59
SEP 04...	0830	43	3.1	8.7	95	7.2	240	19.0	18.5	35	10.3	2.32	2.50

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 12...	31.8	17	21	0.0	55.9	<0.17	4.94	13.2	157	155	0.27	0.34	<0.04
JAN 13...	28.6	10	12	0.0	48.6	<0.17	8.78	9.6	127	127	0.26	0.26	0.06
MAR 13...	27.5	9	11	0.0	48.6	0.06	8.56	9.4	126	126	0.21	0.26	0.06
MAY 08...	29.5	12	14	0.0	54.0	<0.17	2.69	9.6	145	132	0.20	0.31	<0.04
JUN 11...	21.2	11	13	0.0	36.2	<0.2	4.47	7.4	106	108	0.28	0.39	E.03
JUL 24...	27.3	17	21	0.0	46.0	<0.2	5.22	8.2	133	117	E.32	E.33	<0.04
AUG 21...	30.3	17	21	0.0	52.0	<0.2	6.76	8.1	141	141	0.32	0.45	<0.04
SEP 04...	25.8	17	21	0.0	49.9	<0.2	5.97	8.2	144	141	0.30	0.35	<0.04

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 12...	0.59	E.004	--	E.02	0.028	0.048	0.94	5.3	--	144	9	E.22	13
JAN 13...	0.37	0.033	0.20	E.01	0.017	0.026	0.63	3.9	56	66k	35	<0.30	14
MAR 13...	0.36	E.006	0.20	<0.02	0.007	0.020	0.62	2.9	280k	213k	26	<0.30	14
MAY 08...	0.19	<0.008	--	<0.02	0.007	0.024	0.50	4.3	57	69	12	<0.30	15
JUN 11...	0.21	<0.008	--	<0.02	0.011	0.037	0.59	5.7	100	112	19	<0.30	11
JUL 24...	E.43	E.004	--	<0.02	E.019	E.052	--	E6.3	160	480	9	<0.30	11
AUG 21...	E.41nd	E.004n	--	<0.18d	0.021	0.053	--	6.6	160	176	9	<0.30	11
SEP 04...	0.57	<0.008	--	<0.02	0.018	0.043	0.92	5.2	500	620	8	<0.30	11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 12...	<0.06	0.04	<0.8	0.109	1.2	186	0.26	28.2	2.6	1.40	<0.2	4	E.01
JAN 13...	<0.06	E.03	<0.8	0.204	0.7	216	0.20	70.4	E.3	1.26	<0.2	6	E.01
MAR 13...	<0.06	E.03	<0.8	0.233	0.6	132	0.14	75.7	0.5	1.36	<0.2	6	E.01
MAY 08...	<0.06	E.02	<0.8	0.160	0.8	176	0.21	62.6	0.6	0.99	<0.2	3	E.01
JUN 11...	<0.06	<0.04	<0.8	0.172	0.9	204	0.18	55.4	0.6	1.03	<0.2	2	E.01
JUL 24...	<0.06	E.03n	<0.8	0.159	2.1	133	0.16	44.4	1.4	1.12	<0.2	2	E.01n
AUG 21...	<0.06	E.02n	<0.8	0.137	1.2	165	0.13	35.0	1.1	1.32	<0.2	2	0.04
SEP 04...	<0.06	E.02n	<0.8	0.136	1.3	118	0.16	33.6	0.8	1.00	<0.2	2	<0.02

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the NDV

QUINEBAUG RIVER BASIN

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 mi².

PERIOD OF RECORD.--May 1984 to September 2000 unpublished. October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 289.34 ft above sea level.

REMARKS.--Records good. No estimated daily discharges. Flow regulated by East Brimfield, Westville, and West Thompson Lakes and smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,890 ft³/s, Mar. 24, gage height, 5.21 ft; minimum discharge, 34 ft³/s, Oct. 10, 11, 12, gage height, 0.49 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	88	186	318	148	358	1,270	357	505	319	89	50
2	59	80	179	613	157	352	1,080	294	571	304	93	88
3	55	64	175	635	172	563	917	281	544	221	135	113
4	52	60	155	615	191	529	863	296	443	212	145	97
5	54	61	150	585	234	497	833	310	366	197	221	89
6	51	74	137	553	230	484	817	292	414	182	236	71
7	46	94	123	516	225	425	740	270	406	144	259	65
8	42	82	121	415	207	417	660	234	563	136	331	62
9	38	78	110	407	193	409	608	257	612	132	363	58
10	35	73	100	397	190	408	565	261	524	132	311	55
11	34	75	109	375	182	355	463	244	444	127	284	54
12	48	79	150	345	169	345	772	251	430	141	241	52
13	88	154	191	270	158	344	809	257	523	146	205	50
14	109	169	289	248	150	336	693	235	684	139	190	50
15	110	136	418	235	147	302	729	227	622	133	160	50
16	113	121	645	231	145	304	638	209	542	126	158	65
17	137	187	487	242	142	418	534	193	437	120	133	71
18	148	361	354	216	142	722	446	181	422	83	109	64
19	144	402	326	197	145	891	409	170	447	109	113	65
20	134	408	432	194	150	951	379	106	412	122	174	103
21	118	370	779	189	153	1,150	224	134	364	120	65	117
22	107	367	804	151	163	1,520	243	144	468	141	49	126
23	111	327	1,020	147	362	1,770	311	137	1,120	243	43	148
24	97	289	1,030	153	601	1,720	305	148	1,350	210	49	213
25	108	259	816	151	619	1,640	298	160	1,030	179	50	183
26	113	237	693	151	501	1,460	300	263	824	165	49	446
27	169	225	513	156	463	1,150	568	888	568	153	51	286
28	149	218	448	147	422	845	692	769	402	137	49	206
29	139	203	427	149	---	879	573	615	252	117	47	183
30	117	197	345	149	---	1,210	416	530	282	100	48	151
31	103	---	301	150	---	1,400	---	489	---	142	50	---
TOTAL	2,889	5,538	12,013	9,300	6,761	24,154	18,155	9,202	16,571	4,932	4,500	3,431
MEAN	93.2	185	388	300	241	779	605	297	552	159	145	114
MAX	169	408	1,030	635	619	1,770	1,270	888	1,350	319	363	446
MIN	34	60	100	147	142	302	224	106	252	83	43	50

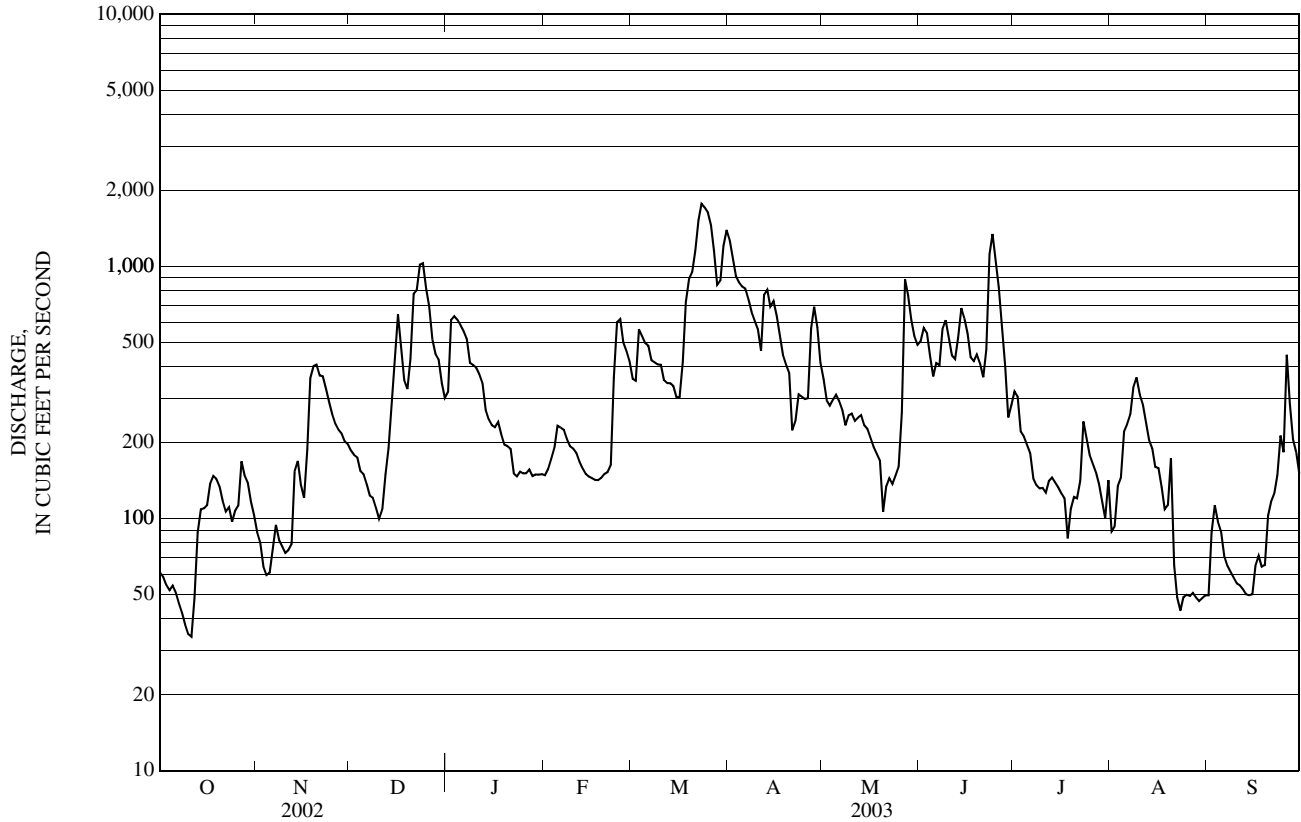
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	186	242	367	367	379	585	607	346	277	112	89.9	83.7
MAX	932	567	1,136	1,030	880	1,036	1,447	730	999	323	511	213
(WY)	(1976)	(1976)	(1997)	(1979)	(1976)	(1972)	(1987)	(1972)	(1982)	(1972)	(1989)	(1989)
MIN	44.8	36.4	64.5	39.9	93.3	229	194	140	44.3	31.1	26.6	23.6
(WY)	(1969)	(2002)	(2002)	(1981)	(1980)	(2002)	(1985)	(1986)	(1999)	(1999)	(1981)	(1995)

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966 - 2003	
ANNUAL TOTAL	68,275		117,446			
ANNUAL MEAN	187		322		301	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1985
HIGHEST DAILY MEAN	1,030	Dec 24	1,770	Mar 23	2,770	Apr 10, 1987
LOWEST DAILY MEAN	19	Sep 22	34	Oct 11	3.1	Jan 12, 1981
ANNUAL SEVEN-DAY MINIMUM	20	Aug 24	42	Oct 6	10	Aug 31, 1975
MAXIMUM PEAK FLOW			1,890	Mar 24	1,890	Mar 24, 2003
MAXIMUM PEAK STAGE			5.21	Mar 24	5.21	Mar 24, 2003
INSTANTANEOUS LOW FLOW			a 34	Oct 10	34	Oct 11, 2002
10 PERCENT EXCEEDS	417		693		688	
50 PERCENT EXCEEDS	117		213		191	
90 PERCENT EXCEEDS	31		65		39	

a Also occurred Oct. 11 and 12.



01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2000 to September 2001, June 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
JUN													
20...	1215	410	9.3	102	6.6	176	20.0	36.2	0.27	0.46	<0.04	0.21	<0.02
25...	1000	1,040	8.7	100	6.9	157	21.3	33.2	0.29	0.41	<0.04	0.14	<0.02
JUL													
02...	1015	306	8.2	98	6.6	183	23.9	37.8	0.32	0.50	<0.04	0.22	<0.02
10...	1130	133	7.1	86	6.3	215	25.5	44.1	0.47	0.48	0.09	0.28	<0.02
17...	1115	121	8.4	101	6.6	176	24.0	45.5	0.37	0.53	E.03	0.37	<0.02
24...	1115	210	8.0	94	6.3	195	23.5	39.7	E.36	E.51	E.04	E.36	<0.02
31...	0900	90	8.9	106	9.6	221	25.0	45.7	0.32	0.92	<0.04	<0.06	<0.02
AUG													
07...	1230	256	8.4	103	8.6	226	26.0	49.1	0.26	0.75	<0.04	<0.06	<0.02
14...	1135	190	8.6	108	8.9	207	27.0	42.1	0.32	0.83	<0.04	<0.06	<0.02
21...	0915	65	7.8	95	7.5	212	25.0	43.7	0.28	0.71	<0.04	0.11	<0.18d
28...	1300	48	9.2	110	9.0	227	24.5	46.4	0.33	0.75	<0.04	<0.06	<0.02
SEP													
05...	1045	98	9.8	110	8.7	240	21.0	49.3	0.40	0.88	<0.41d	0.11	<0.18d
11...	1115	54	9.4	107	9.0	238	21.5	50.7	0.31	0.69	<0.04	<0.06	<0.02
18...	1200	65	10.4	120	9.4	248	22.5	52.5	0.18	0.64	<0.04	<0.06	<0.02
24...	1100	211	9.1	102	7.8	252	20.5	52.9	0.29	0.63	<0.04	0.10	<0.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)
JUN					
20...	0.016	0.049	0.66	8.0	8.0
25...	0.016	0.041	0.55	3.9	4.4
JUL					
02...	0.016	0.049	0.72	E7.7	E7.6
10...	0.029	0.058	0.76	4.8	3.4
17...	0.013	0.058	0.90	8.7	10.0
24...	E.017	E.057	--	7.1	6.6
31...	0.015	0.061	--	6.4d	32.0d
AUG					
07...	0.013	0.059	--	5.9	18.9
14...	0.015	0.062	--	6.8	26.0
21...	0.014	0.061	0.82	5.0	13.9
28...	0.014	0.071	--	8.7	21.1
SEP					
05...	0.014	0.071	0.99	7.9	22.2
11...	0.011	0.053	--	4.0	15.7
18...	0.006	0.042	--	3.9	18.7
24...	0.008	0.046	0.73	3.9	18.8

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

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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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Partial-record gage October 1991 to June 2000. June 2000 to September 2001. June 10, 2002 to current year.

GAGE.--Nonrecording gage October 1991 to June 2000. Water-stage recorder. Datum of gage is 350.00 ft above sea level.

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, 767 ft³/s, Mar. 30, gage height, 9.17 ft; minimum discharge, 19 ft³/s, Oct. 1, gage height, 6.45 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	56	180	223	e68	e280	600	230	322	184	62	23
2	23	73	153	324	e69	e330	608	210	349	156	80	54
3	23	69	127	e340	e73	e350	564	187	324	139	73	59
4	21	63	e102	e315	e80	e380	507	e180	284	119	113	56
5	24	65	e86	e310	e84	e390	453	e170	278	104	162	53
6	25	e62	e78	e280	e78	e325	440	e160	266	103	153	47
7	23	e66	e70	e265	e72	e305	418	e140	271	90	123	40
8	21	e70	e65	e250	e65	e295	407	e120	322	60	183	33
9	23	e80	e60	e245	e63	274	393	e140	343	50	164	30
10	24	e90	e57	e240	e60	270	379	e145	321	63	179	26
11	24	e100	e70	e230	e59	270	416	e142	275	56	163	23
12	30	e105	e100	e220	e58	252	498	e145	254	62	148	21
13	46	e110	138	e210	e57	233	475	e150	319	63	152	21
14	58	e115	229	e185	e56	231	460	e146	357	62	125	22
15	48	e120	297	e170	e52	223	575	e144	368	57	112	21
16	68	e130	347	e150	e51	220	433	e125	338	51	106	30
17	48	e160	319	e148	e48	251	335	e115	294	38	109	29
18	54	e180	305	e146	e42	318	291	105	256	40	129	39
19	54	e200	301	e140	e38	393	268	103	254	53	115	36
20	49	e220	303	e135	e40	410	250	99	237	59	102	30
21	41	e210	445	e130	e43	632	229	93	224	75	97	25
22	22	e200	476	e125	e52	694	227	91	320	126	87	23
23	43	e195	436	e120	e80	672	227	94	477	167	79	52
24	46	e190	386	e111	e225	650	222	97	624	120	60	140
25	47	e185	349	e106	e290	712	211	96	543	128	55	136
26	88	e175	335	e100	e270	684	224	207	424	102	47	102
27	116	e165	295	e98	e235	643	271	378	298	86	35	70
28	122	e160	278	e92	e200	578	298	397	242	86	30	57
29	101	155	257	e83	---	534	280	384	213	74	27	53
30	92	150	239	e73	---	734	250	346	188	65	24	46
31	82	---	229	e67	---	626	---	263	---	60	26	---
TOTAL	1,508	3,919	7,112	5,631	2,608	13,159	11,209	5,402	9,585	2,698	3,120	1,397
MEAN	48.6	131	229	182	93.1	424	374	174	320	87.0	101	46.6
MAX	122	220	476	340	290	734	608	397	624	184	183	140
MIN	21	56	57	67	38	220	211	91	188	38	24	21

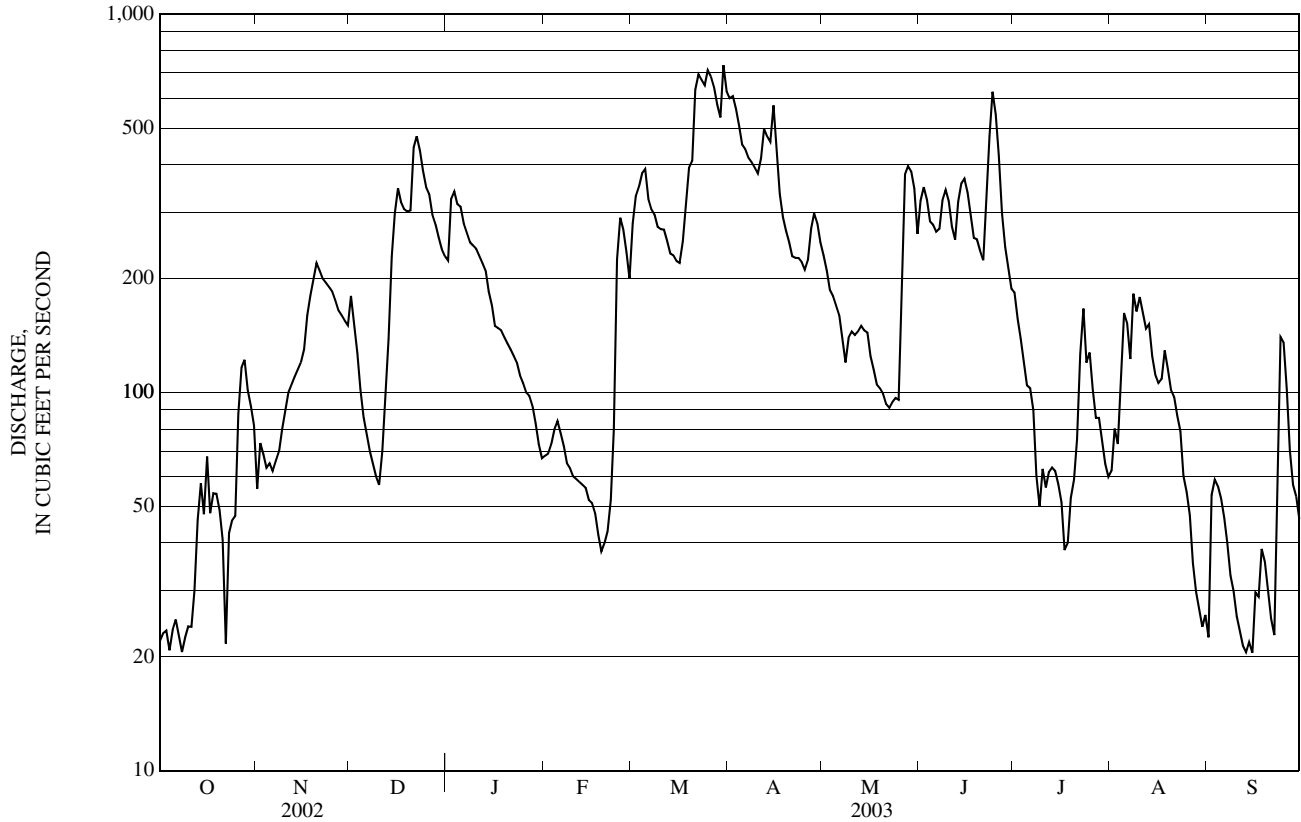
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	46.7	107	187	131	109	403	473	125	247	67.2	49.3	25.9
MAX	48.6	131	229	182	126	424	572	174	320	87.0	101	46.6
(WY)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	44.7	82.7	145	79.6	93.1	382	374	76.0	190	31.3	13.8	11.3
(WY)	(2001)	(2001)	(2001)	(2001)	(2003)	(2001)	(2003)	(2001)	(2001)	(2002)	(2002)	(2002)

e Estimated

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	48			
ANNUAL MEAN	85		168	
HIGHEST ANNUAL MEAN			185	2003
LOWEST ANNUAL MEAN			152	2001
HIGHEST DAILY MEAN	34	Mar 30	943	Mar 30, 2001
LOWEST DAILY MEAN	21	Oct 4	6.8	Aug 28, 2002
ANNUAL SEVEN-DAY MINIMUM	23	Oct 2	8.8	Sep 7, 2002
MAXIMUM PEAK FLOW	767	Mar 30	1,220	Mar 30, 2001
MAXIMUM PEAK STAGE	9.17	Mar 30	10.09	Mar 30, 2001
INSTANTANEOUS LOW FLOW	19	Oct 1	6.8	Aug 27, 2002
10 PERCENT EXCEEDS			384	
50 PERCENT EXCEEDS			104	
90 PERCENT EXCEEDS			32	



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 12...	1330	119	3.0	10.9	100	6.8	220	11.0	11.0	32	9.76	1.77	3.32
JAN 13...	1330	218	0.98	13.9	100	6.7	279	2.0	1.0	31	9.55	1.78	2.45
MAR 13...	1315	230	1.3	13.9	101	7.0	290	-1.0	2.0	31	9.64	1.79	3.02
MAY 08...	1345	127	2.4	9.4	95	7.0	234	9.5	15.5	30	9.24	1.64	2.50
JUN 11...	1100	290	1.8	9.2	99	6.8	193	24.0	19.0	26	8.02	1.48	1.99
JUL 24...	1200	123	3.1	7.9	94	7.2	221	27.0	23.0	29	8.67	1.68	2.88
AUG 21...	1145	99	2.9	8.0	99	7.2	225	31.0	25.5	31	9.57	1.66	3.00
SEP 04...	1015	57	6.6	8.9	100	7.2	285	23.0	20.0	33	10.4	1.77	4.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd (00500)	Residue on evap. at 180degC wat fltrd (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 12...	27.1	21	26	0.0	39.7	<0.17	2.70	8.9	124	122	0.34	0.45	<0.04
JAN 13...	37.5	13	16	0.0	60.8	<0.17	6.49	9.2	154	150	0.31	0.35	E.03
MAR 13...	34.8	12	14	0.0	64.1	0.08	7.05	9.5	151	154	0.30	0.33	0.04
MAY 08...	30.5	16	19	0.0	49.2	<0.17	2.34	9.3	138	131	0.33	0.53	E.04
JUN 11...	24.8	12	15	0.0	42.3	<0.2	3.57	7.2	121	118	0.35	0.43	E.04
JUL 24...	29.1	20	25	0.0	42.2	<0.2	3.54	7.5	123	120	E.47	E.49	E.05
AUG 21...	28.3	22	26	0.0	44.0	<0.2	4.06	7.3	133	129	0.44	0.68	<0.04
SEP 04...	32.6	29	35	0.0	52.9	<0.2	4.72	10.8	155	154	0.55	0.87	E.02n

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 12...	0.84	<0.008	--	0.07	0.088	0.122	1.3	6.3	--	49	11	E.19	11
JAN 13...	1.08	E.004	--	0.06	0.074	0.087	1.4	4.9	73k	140	40	<0.30	17
MAR 13...	1.04	E.005	0.29	0.04	0.051	0.069	1.4	3.4	62	60	41	<0.30	19
MAY 08...	0.88	E.004	--	E.02	0.030	0.074	1.4	5.5	25	35	25	<0.30	15
JUN 11...	0.35	E.004	--	<0.02	0.017	0.042	0.78	6.3	26	31	27	<0.30	14
JUL 24...	E.68	E.009	--	E.02	E.042	E.075	--	E7.1	310	660	20	<0.30	13
AUG 21...	E.46nd	E.007n	--	<0.18d	0.022	0.055	--	7.2	62	71k	17	E.15n	10
SEP 04...	1.00	E.005n	--	E.02n	0.036	0.078	1.9	6.8	190	192	22	<0.30	12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 12...	<0.06	<0.04	<0.8	0.065	2.1	107	0.28	11.9	<0.3	1.05	<0.2	4	0.05
JAN 13...	<0.06	E.03	<0.8	0.133	1.9	126	0.24	51.5	<0.3	1.15	<0.2	9	0.08
MAR 13...	E.04	E.03	<0.8	0.159	1.8	105	0.22	68.1	0.4	1.38	<0.2	10	0.08
MAY 08...	<0.06	<0.04	E.5	0.111	2.4	167	0.44	52.8	<0.3	0.89	<0.2	4	0.07
JUN 11...	<0.06	<0.04	E.4	0.114	1.6	227	0.45	48.4	<0.3	0.89	<0.2	4	0.09
JUL 24...	<0.06	E.03n	E.7n	0.107	2.7	168	0.50	40.0	E.2n	0.90	<0.2	3	0.05
AUG 21...	<0.06	<0.04	E.6n	0.090	2.1	212	0.35	14.0	E.3n	0.94	<0.2	2	0.06
SEP 04...	<0.06	<0.04	E.6n	0.135	3.3	244	0.68	26.4	E.3n	0.82	<0.2	3	0.05

Value qualifier codes used in this table:

- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV

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 mi².

WATER-DISCHARGE RECORDS

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 ft³, and by smaller reservoirs upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,950 ft³/s, Mar. 22, gage height, 7.34 ft; minimum discharge, 29 ft³/s, Oct. 8, gage height, 1.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	172	e360	628	276	702	2,150	665	1,020	531	188	85
2	83	168	e350	1,130	294	731	1,880	599	1,210	488	196	191
3	80	154	e320	1,200	317	1,080	1,650	531	1,090	377	228	214
4	77	144	e300	1,130	356	1,100	1,570	525	904	363	264	186
5	81	147	e280	1,070	431	e910	1,490	525	821	330	380	172
6	79	188	e270	987	e315	e880	1,460	488	834	317	389	147
7	77	206	e260	914	e300	851	1,360	465	812	269	387	130
8	65	185	e230	787	e290	815	1,260	411	1,060	229	578	114
9	62	185	e220	759	e285	804	1,190	423	1,120	220	594	94
10	67	195	e200	739	e290	798	1,130	442	989	220	547	104
11	60	214	e200	698	e285	713	1,070	416	841	221	490	93
12	78	229	e220	649	e280	681	1,510	440	772	233	418	88
13	138	422	427	555	e275	680	1,540	448	993	236	374	82
14	185	384	656	520	e285	661	1,370	422	1,270	227	339	103
15	177	349	956	474	e280	617	1,410	407	1,200	217	344	82
16	185	340	1,180	e460	e290	625	1,220	371	1,030	202	279	124
17	228	511	987	e450	e280	849	993	345	849	191	237	125
18	215	724	748	e430	e290	1,340	848	322	783	161	233	115
19	226	745	649	e400	e285	1,640	776	311	817	190	219	131
20	214	722	854	e390	273	1,680	709	244	747	200	281	136
21	186	662	1,630	e380	291	2,110	547	255	669	214	172	162
22	170	703	1,620	e370	329	2,650	541	271	928	280	150	171
23	150	646	1,700	e345	780	2,830	619	270	1,880	542	134	231
24	148	575	1,630	e325	1,130	2,650	603	286	2,170	441	119	388
25	173	539	1,350	e310	1,180	2,530	587	304	1,740	369	120	377
26	220	487	1,180	e300	1,060	2,300	598	610	1,390	333	96	564
27	319	455	946	e290	965	1,950	943	1,610	980	266	113	396
28	301	441	833	e285	797	1,570	1,110	1,460	710	255	91	302
29	273	412	784	e280	---	1,540	964	1,200	540	199	88	273
30	234	362	678	e270	---	2,150	759	1,020	525	186	82	232
31	209	---	611	e260	---	2,380	---	869	---	203	81	---
TOTAL	4,841	11,666	22,629	17,785	12,509	42,817	33,857	16,955	30,694	8,710	8,211	5,612
MEAN	156	389	730	574	447	1,381	1,129	547	1,023	281	265	187
MAX	319	745	1,700	1,200	1,180	2,830	2,150	1,610	2,170	542	594	564
MIN	60	144	200	260	273	617	541	244	525	161	81	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

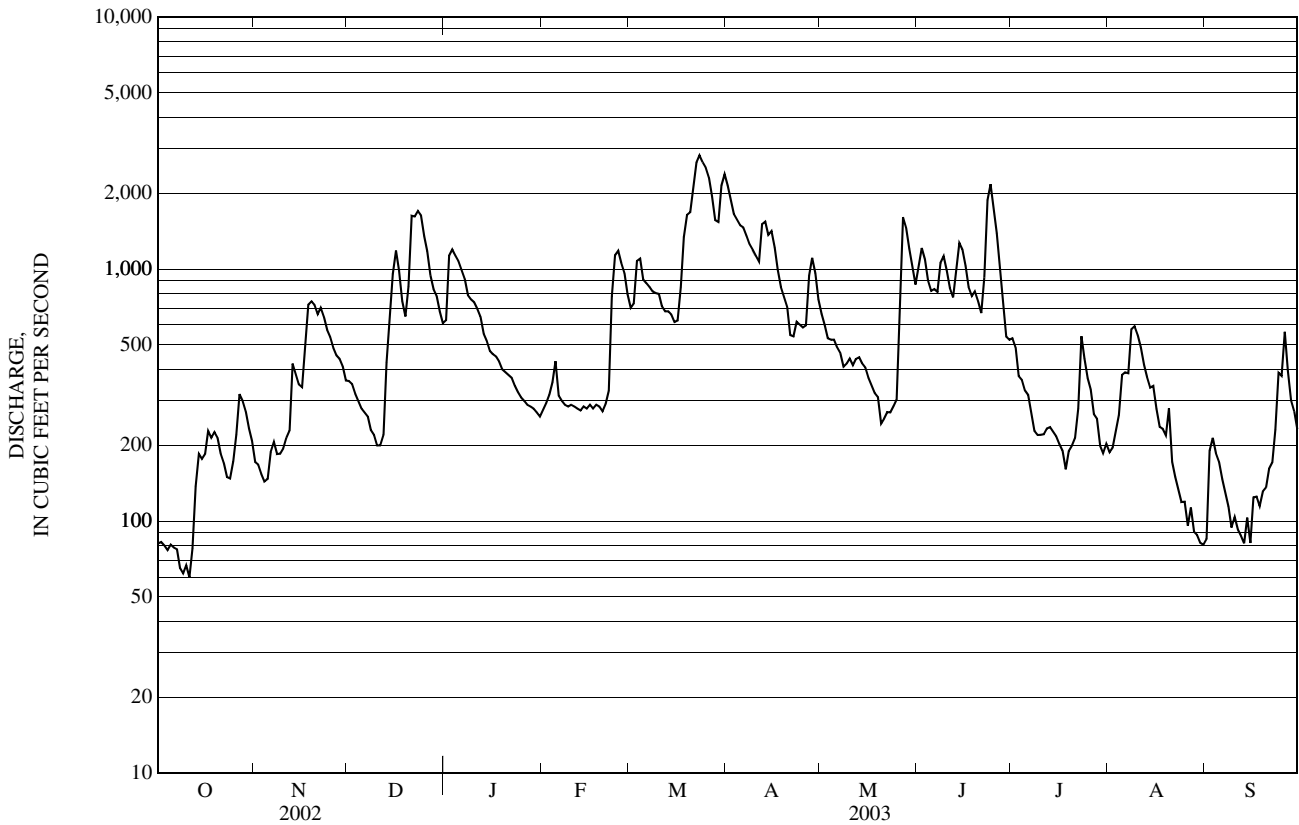
MEAN	267	432	549	636	656	1,138	1,133	615	436	237	221	252
MAX	1,478	1,553	1,939	1,289	1,606	3,627	2,788	1,090	1,200	1,773	2,935	2,276
(WY)	(1956)	(1956)	(1997)	(1937)	(1951)	(1936)	(1940)	(1945)	(1948)	(1938)	(1955)	(1938)
MIN	43.1	81.0	115	144	233	484	409	273	70.5	50.1	36.3	37.0
(WY)	(1958)	(2002)	(1931)	(1944)	(2002)	(2002)	(1966)	(1965)	(1999)	(1999)	(1999)	(1957)

e Estimated

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	130,984		216,286		551	
ANNUAL MEAN	359		593		988	
HIGHEST ANNUAL MEAN					1938	
LOWEST ANNUAL MEAN					257	
HIGHEST DAILY MEAN	1,780	May 14	2,830	Mar 23	26,400	Aug 20, 1955
LOWEST DAILY MEAN	19	Sep 21	60	Oct 11	8.0	Sep 3, 1999
ANNUAL SEVEN-DAY MINIMUM	31	Sep 19	70	Oct 6	16	Sep 2, 1999
MAXIMUM PEAK FLOW			2,950	Mar 22	a 48,000	Aug 19, 1955
MAXIMUM PEAK STAGE			7.34	Mar 22	b 26.50	Aug 19, 1955
INSTANTANEOUS LOW FLOW			29	Oct 8	3.9	Sep 2, 1999
10 PERCENT EXCEEDS	835		1,300		1,210	
50 PERCENT EXCEEDS	229		390		370	
90 PERCENT EXCEEDS	49		137		85	

- a From rating curve extended above 2,500 ft³/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.



01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)
NOV 19...	1030	740	3.4	13.2	103	7.1	222	9.5	5.0	32	9.29	2.22	14
JAN 16...	0945	557	1.8	15.1	103	7.0	226	-5.0	0.0	30	8.71	2.08	12
MAR 12...	1100	669	1.4	14.1	100	7.0	232	13.0	1.0	30	8.43	2.05	12
MAY 07...	1030	448	3.0	10.2	102	6.9	218	24.0	15.0	29	8.48	1.98	15
JUN 12...	1045	770	3.9	9.2	100	6.9	167	24.0	19.0	26	7.42	1.79	12
JUL 22...	0900	211	4.0	7.9	94	7.1	231	28.0	23.0	35	10.6	2.18	24
AUG 19...	0945	213	6.0	8.0	95	7.6	210	26.0	24.0	31	9.01	2.05	19
SEP 08...	0915	91	10	9.0	99	7.4	234	20.0	20.0	39	11.8	2.40	23

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Carbonate, wat fltr incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat fltr mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV 19...	17	0.0	42.5	125	<10	0.38	<0.04	0.428	E.004	--	0.05	0.81	1.2
JAN 16...	15	0.0	50.2	134	<10	0.31	0.06	0.856	0.017	0.26	0.05	1.2	0.6
MAR 12...	14	0.0	50.4	128	<10	0.31	0.07	0.654	0.008	0.24	E.04	0.97	<0.1
MAY 07...	18	0.0	47.1	124	<10	0.40	<0.04	0.437	E.006	--	E.04	0.83	1.4
JUN 12...	15	0.0	34.0	102	<10	0.39	E.03	0.299	E.005	--	0.04	0.69	E.8
JUL 22...	30	0.0	45.2	109	<10	0.60	E.02	0.647	E.007	--	0.06	1.2	1.2
AUG 19...	24	0.0	40.9	121	<10	0.66	<0.04	0.266	E.006n	--	0.06	0.93	1.8
SEP 08...	29	0.0	43.6	129	<10	0.77	<0.04	0.333	<0.008	--	0.06	1.1	2.9

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)
NOV 19...	--	152	20	100	<0.30	<2	10	13.1	<0.06	E.03	<0.2	<0.8	0.9
JAN 16...	190	152	34	90	E.17	<2	14	14.0	<0.06	0.04	<0.2	E.5	1.4
MAR 12...	22	31	30	350	<0.30	<2	14	15.2	<0.06	0.04	<0.2	E.5	1.5
MAY 07...	200	104	22	90	<0.30	<2	14	14.0	<0.06	E.02	<0.2	E.7	1.2
JUN 12...	58	65	27	110	<0.30	<2	12	13.2	<0.06	<0.04	<0.2	E.7	1.2
JUL 22...	200	1,700k	19	<50	E.17n	<2	12	12.6	<0.06	E.03n	<0.2	1.5	1.1
AUG 19...	270	227	15	120	E.19n	E1n	11	13.2	<0.06	E.02n	<0.2	<0.8	0.9
SEP 08...	180	268k	17	80	<0.30	E1n	11	13.8	<0.06	E.03n	<0.2	1.1	1.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)
NOV 19...	0.075	1.2	1.7	189	520	0.28	M	24.7	58.0	E.01	0.4	0.75	<2.0
JAN 16...	0.173	1.4	1.7	159	400	0.22	M	55.7	61.1	<0.02	0.4	1.13	E1.2
MAR 12...	0.173	1.1	1.7	141	580	0.18	1	57.0	80.5	<0.02	E.2	1.12	E1.1
MAY 07...	0.139	1.4	1.5	191	460	0.47	1	64.3	81.3	E.01	0.5	1.04	<2.0
JUN 12...	0.122	1.2	2.5	242	660	0.42	3	47.7	71.3	<0.02	E.2	1.01	E1.1
JUL 22...	0.127	2.1	2.8	448	430	0.93	3	37.7	36.5	<0.02	0.8	1.23	<2.0
AUG 19...	0.107	1.7	6.4	239	910	0.39	2	26.2	93.6	<0.02	0.5	1.04	<2.0
SEP 08...	0.121	1.9	2.1	136	640	0.33	2	10.7	98.0	<0.02	0.5	0.79	<2.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 19...	<0.2	<0.3	5	<25	0.03
JAN 16...	<0.2	<0.3	7	E18	0.04
MAR 12...	<0.2	<0.3	7	E19	0.03
MAY 07...	<0.2	<0.3	3	<25	0.04
JUN 12...	<0.2	<0.3	3	7	0.05
JUL 22...	<0.2	<0.3	3	E3n	0.04
AUG 19...	<0.2	<0.3	1	5	0.04
SEP 08...	<0.2	<0.3	2	4	0.03

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the NDV

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 mi².

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 mi² to 342 mi². 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 19...	1315	775	3.0	12.7	100	6.6	216	7.5	5.5	34	9.91	2.24	3.11
JAN 16...	1200	485	1.4	14.9	103	7.0	240	-3.5	0.5	34	9.96	2.19	2.57
MAR 12...	1430	705	1.3	15.7	116	7.0	236	9.0	2.5	31	9.22	2.03	2.44
MAY 07...	1400	473	2.1	11.2	117	7.5	236	26.5	17.5	33	10.0	2.05	2.94
JUN 12...	1430	815	3.7	8.8	96	7.2	172	22.0	19.0	27	7.76	1.75	1.91
JUL 22...	1145	223	2.6	8.4	100	7.3	233	26.0	23.5	40	12.1	2.30	3.01
AUG 19...	1300	230	8.2	8.5	102	7.5	217	27.0	24.5	38	11.5	2.16	2.86
SEP 08...	1215	106	7.3	8.6	95	7.2	235	22.0	20.0	38	11.3	2.38	3.66

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
NOV 19...	23.4	16	20	0.0	41.8	<0.17	5.89	11.0	130	125	<10	0.33	0.45
JAN 16...	29.9	14	17	0.0	51.1	<0.17	8.44	10.1	137	133	<10	0.53	0.54
MAR 12...	28.5	9	11	0.0	52.3	0.07	8.10	9.4	129	132	<10	0.33	0.38
MAY 07...	28.3	12	15	0.0	51.5	<0.17	2.21	9.8	146	134	<10	0.30	0.44
JUN 12...	20.1	13	16	0.0	34.6	<0.2	5.13	7.4	110	99	<10	0.31	0.41
JUL 22...	26.9	22	26	0.0	45.6	<0.2	5.00	8.4	139d	132d	<10	0.42	0.51
AUG 19...	24.0	21	26	0.0	44.2	<0.2	6.26	7.3	123	129	<10	0.32	0.67
SEP 08...	26.5	26	31	0.0	42.6	<0.2	6.29	9.6	--	138	<10	0.40	0.67

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)
NOV 19...	<0.04	0.483	E.005	--	0.03	0.032	0.076	0.93	7.3	1.4	--	140	26
JAN 16...	0.10	0.887	0.021	0.45	0.03	0.038	0.056	1.4	4.6	0.6	88	108	34
MAR 12...	0.11	0.651	E.007	0.27	0.02	0.026	0.043	1.0	3.6	E.1	15k	29	29
MAY 07...	E.02	0.476	E.006	--	<0.02	0.017	0.045	0.91	4.9	1.5	64	82	25
JUN 12...	E.03	0.339	E.006	--	E.01	0.022	0.056	0.75	6.8	E1.0	50	56	24
JUL 22...	<0.04	0.690	E.007	--	E.01	0.027	0.060	1.2	6.0	1.0	110	136	13
AUG 19...	<0.04	0.312	<0.008	--	<0.02	0.021	0.066	0.98	7.4	1.9	100	136	16
SEP 08...	<0.04	0.494	0.950	--	E.01n	0.029	0.074	1.2	7.5	2.6	58	59	10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aluminum, water, unfltrd recover-able, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recover-able, ug/L (01007)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)
NOV 19...	100	E.19	<2	13	13.4	<0.06	E.03	<0.2	<0.8	0.9	0.096	1.5	1.8
JAN 16...	110	0.41	<2	15	15.2	<0.06	0.06	<0.2	E.7	1.4	0.160	1.6	1.8
MAR 12...	60	<0.30	<2	14	14.0	<0.06	0.04	<0.2	<0.8	1.5	0.163	1.1	1.4
MAY 07...	50	<0.30	<2	14	14.1	<0.06	E.02n	<0.2	E.6n	1.0	0.130	1.3	4.9
JUN 12...	110	<0.30	<2	13	13.4	<0.06	E.02n	<0.2	E.6n	1.2	0.111	1.2	2.2
JUL 22...	50	E.16n	Mn	12	14.4	<0.06	E.02n	<0.2	1.3	1.0	0.116	1.5	2.1
AUG 19...	80	E.16n	E2n	11	12.8	<0.06	E.02n	<0.2	0.9	0.9	0.115	1.8	2.6
SEP 08...	50	<0.30	E2n	14	14.7	<0.06	E.03n	<0.2	0.8	1.5	0.126	1.9	2.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)
NOV 19...	183	490	0.32	2	29.3	59.8	E.01	0.6	0.97	E1.0	<0.2	<0.3	5
JAN 16...	174	350	0.24	M	54.9	67.4	<0.02	0.4	1.18	<2.0	<0.2	<0.3	16
MAR 12...	135	230	0.17	<1	53.9	62.9	<0.02	E.3	1.09	<2.0	<0.2	<0.3	6
MAY 07...	178	400	0.40	Mn	52.2	66.9	<0.02	0.5	1.04	<2.0	<0.2	<0.3	2
JUN 12...	235	660	0.39	2	38.7	67.3	<0.02	E.3n	1.04	E1.2n	<0.2	<0.3	2
JUL 22...	334	770	0.55	2	29.7	68.1	<0.02	0.8	1.17	E1.1n	<0.2	<0.3	2
AUG 19...	220	830	0.34	2	26.4	80.1	<0.02	0.5	1.03	<2.0	<0.2	<0.3	1
SEP 08...	138	540	0.33	2	29.7	78.7	<0.02	0.6	0.82	E1.1n	<0.2	<0.3	2

THAMES RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Zinc, water, unfltrd recover -able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 19...	<25	0.04
JAN 16...	<25	0.04
MAR 12...	E20	0.04
MAY 07...	<25	0.04
JUN 12...	7	0.05
JUL 22...	4	0.04
AUG 19...	5	0.04
SEP 08...	E3n	0.03

Value qualifier codes used in this table:

d -- Diluted sample: method hi
range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

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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 mi².

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 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 ft³, and by smaller reservoirs upstream and by hydropower plant upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,590 ft³/s, Mar. 31, gage height, 12.43 ft; minimum discharge, 27 ft³/s, Oct. 10, gage height, 3.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	396	983	1,760	708	1,610	5,580	1,730	2,580	1,170	501	156
2	218	283	e925	2,920	831	1,900	4,490	1,670	3,360	1,060	471	825
3	247	383	e810	3,390	866	3,370	3,840	1,480	3,120	983	508	801
4	257	346	e780	3,240	982	3,040	3,490	1,390	2,650	832	540	788
5	118	287	e730	3,040	1,130	2,700	3,320	1,330	2,530	833	679	795
6	234	345	e700	2,690	1,120	2,610	3,200	1,260	2,390	705	709	585
7	243	480	e680	2,280	1,060	2,190	3,010	1,180	2,130	745	676	481
8	106	406	e660	2,050	896	2,060	2,800	1,170	2,450	594	1,720	461
9	157	455	641	1,970	e810	2,100	2,740	1,100	2,560	527	1,910	306
10	215	469	611	1,930	e750	2,270	2,770	1,110	2,360	559	1,550	269
11	96	511	695	1,790	e710	1,900	2,760	1,090	1,940	625	1,280	340
12	200	628	1,230	1,660	e670	1,770	3,640	1,000	1,740	625	1,140	311
13	226	1,050	1,580	1,500	e630	1,860	3,970	1,040	2,340	643	849	160
14	248	1,260	2,130	1,340	e610	1,710	3,420	1,080	3,210	596	881	386
15	368	1,000	3,140	1,160	e600	1,590	3,000	971	3,150	561	748	261
16	276	901	2,860	e1,100	e605	1,670	2,810	859	2,610	560	643	382
17	445	1,440	2,740	e1,000	e610	2,320	2,410	878	2,070	587	505	556
18	429	2,270	1,910	e950	e612	3,200	2,050	874	1,970	517	498	510
19	424	2,100	1,710	e930	617	3,790	1,870	762	2,230	469	512	499
20	402	1,730	2,100	e900	743	3,580	1,740	718	2,050	517	564	503
21	342	1,520	5,180	e840	721	4,460	1,600	583	1,750	477	460	471
22	308	1,790	4,620	e760	871	5,810	1,530	707	1,910	491	414	427
23	237	1,920	3,710	e720	2,130	5,600	1,850	769	3,770	1,140	413	486
24	351	1,630	3,510	e700	3,230	5,100	1,730	789	4,320	1,360	267	1,070
25	239	1,380	3,090	e670	3,090	4,560	1,640	840	3,800	1,190	257	926
26	440	1,210	3,040	e680	2,560	4,170	1,680	1,200	2,980	999	370	720
27	643	1,170	2,680	e695	2,340	3,820	2,440	4,290	2,350	748	237	909
28	633	1,100	2,180	701	1,900	3,360	2,610	4,270	1,750	609	247	679
29	545	1,060	1,960	713	---	2,930	2,400	3,430	1,370	536	121	668
30	461	1,010	1,820	760	---	4,980	1,990	2,910	1,150	481	244	629
31	435	---	1,640	726	---	6,400	---	2,440	---	455	235	---
TOTAL	9,806	30,530	61,045	45,565	32,402	98,430	82,380	44,920	74,590	22,194	20,149	16,360
MEAN	316	1,018	1,969	1,470	1,157	3,175	2,746	1,449	2,486	716	650	545
MAX	643	2,270	5,180	3,390	3,230	6,400	5,580	4,290	4,320	1,360	1,910	1,070
MIN	96	283	611	670	600	1,590	1,530	583	1,150	455	121	156

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2003, BY WATER YEAR (WY)

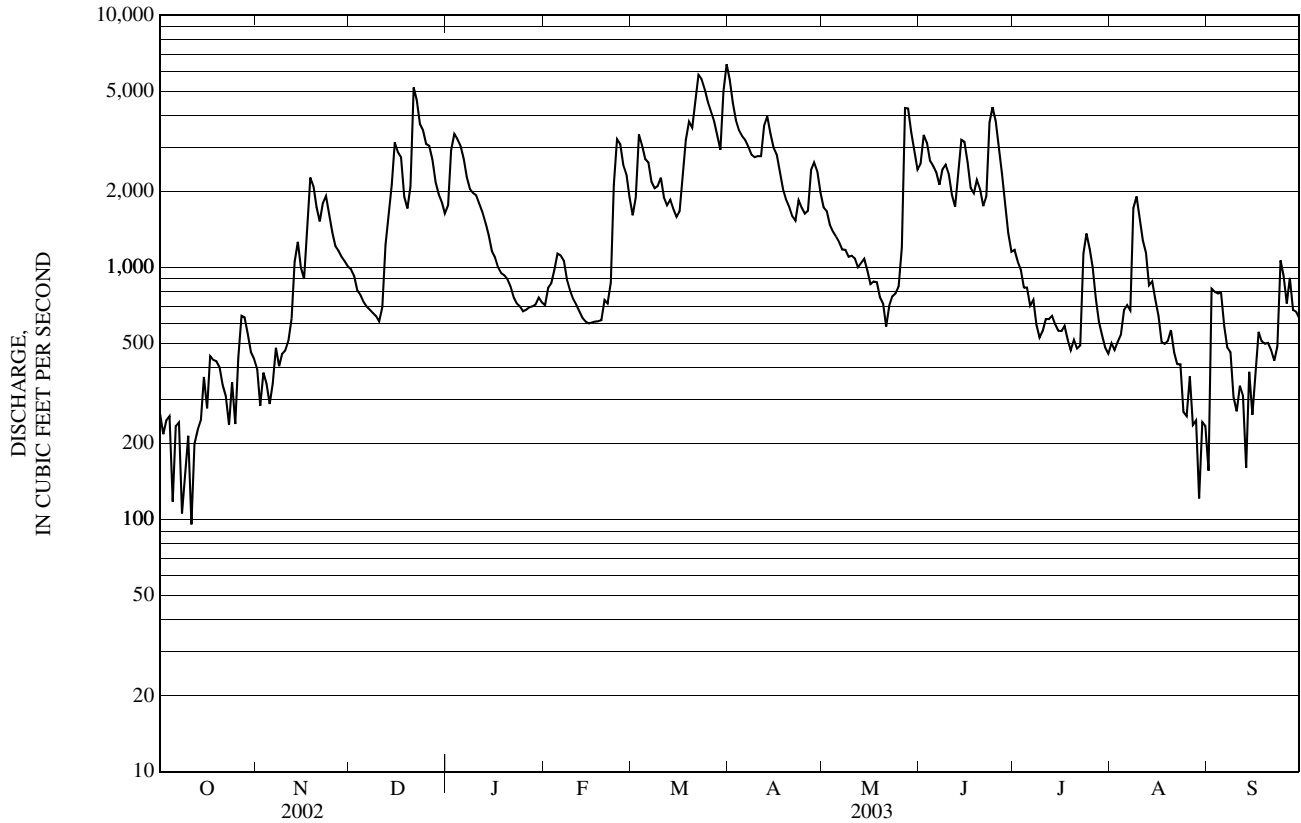
MEAN	651	1,060	1,469	1,592	1,659	2,540	2,427	1,516	1,032	552	486	508
MAX	3,279	3,443	4,447	5,694	3,919	6,930	5,519	2,842	4,758	4,110	3,918	3,502
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	132	189	281	219	473	1,114	854	620	235	122	98.4	97.4
(WY)	(1931)	(1966)	(1931)	(1981)	(1980)	(2002)	(1966)	(1930)	(1999)	(1995)	(1957)	(1957)

e Estimated

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1919 - 2003	
ANNUAL TOTAL	314,901		538,371			
ANNUAL MEAN	863		1,475		1,289	
HIGHEST ANNUAL MEAN					2,015	1984
LOWEST ANNUAL MEAN					598	1930
HIGHEST DAILY MEAN	5,180	Dec 21	6,400	Mar 31	35,300	Aug 20, 1955
LOWEST DAILY MEAN	67	Aug 28	96	Oct 11	a 18	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	94	Aug 22	167	Oct 5	52	Aug 31, 1995
MAXIMUM PEAK FLOW			6,590	Mar 31	b 40,700	Aug 20, 1955
MAXIMUM PEAK STAGE			12.43	Mar 31	c 29.00	Aug 20, 1955
INSTANTANEOUS LOW FLOW			27	Oct 10	d 16	Sep 25, 1948
10 PERCENT EXCEEDS	1,910		3,200		2,790	
50 PERCENT EXCEEDS	560		1,000		907	
90 PERCENT EXCEEDS	123		346		231	

- a Also occurred Dec. 11, 1949.
- b From rating curve extended above 11,000 ft³/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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 20...	0930	1,850	2.9	11.9	96	7.1	124	4.5	6.5	24	6.55	1.75	2.00
JAN 15...	0930	1,170	1.1	14.0	97	7.6	144	-5.0	0.5	25	7.01	1.74	1.77
MAR 11...	0930	1,870	1.6	14.5	102	7.5	141	0.5	1.5	22	6.20	1.54	1.64
MAY 06...	0900	1,370	2.8	10.0	99	7.1	132	13.0	15.0	23	6.56	1.59	1.82
JUN 10...	1030	2,390	4.1	9.0	95	6.9	119	22.5	17.5	23	6.63	1.55	1.55
JUL 23...	1015	795	19	7.4	88	7.0	139	24.0	23.5	26	7.20	2.00	2.31
AUG 20...	1000	156	1.8	7.8	93	7.3	144	25.0	24.5	28	8.13	1.85	2.57
SEP 03...	0745	1,070	6.8	7.9	88	7.3	176	21.5	20.5	39	12.1	2.07	3.20

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 20...	10.9	12	15	0.0	18.8	<0.17	5.97	8.8	77	74	0.38	0.45	0.08
JAN 15...	15.3	12	15	0.0	26.0	<0.17	8.46	8.8	90	89	0.35	0.38	0.17
MAR 11...	15.3	11	13	0.0	26.8	0.07	7.40	8.5	88	89	0.34	0.42	0.17
MAY 06...	13.4	14	16	0.0	23.0	0.07	1.99	8.0	79	82	0.25	0.44	<0.04
JUN 10...	13.2	23	28	0.0	20.2	<0.2	5.03	7.0	84	78	0.29	0.64	0.04
JUL 23...	14.6	18	21	0.0	21.8	<0.2	3.96	7.3	259	86	E.32	E.65	E.03
AUG 20...	14.1	16	20	0.0	24.1	<0.2	4.91	7.0	95	90	0.34	0.44	<0.04
SEP 03...	16.8	25	31	0.0	26.4	<0.2	4.75	8.3	116	101	0.46	1.0	<0.04

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 20...	0.32	E.005	0.37	E.02	0.022	0.050	0.77	7.7	--	700	46	<0.30	10
JAN 15...	0.66	0.014	0.22	0.02	0.028	0.040	1.0	4.8	1,100	1,060	63	<0.30	12
MAR 11...	0.60	E.005	0.25	E.01	0.029	0.047	1.0	4.2	34	45k	53	<0.30	12
MAY 06...	0.31	0.022	--	<0.02	0.020	0.052	0.75	5.5	66	73	27	<0.30	11
JUN 10...	0.35	0.015	0.59	E.01	0.030	0.095	0.99	9.7	1,100	2,200	39	<0.30	11
JUL 23...	E.46	E.008	--	E.03	E.048	E.36	--	E7.0	1,900	3,700	25	<0.30	10
AUG 20...	0.27	E.006n	--	<0.18d	0.030	0.053	0.71	6.7	81	84	14	<0.30	9
SEP 03...	0.34	0.009	--	0.04	0.058	0.132	1.4	7.8	220	620	17	E.16n	11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 20...	<0.06	<0.04	<0.8	0.071	1.1	214	0.33	14.6	0.4	0.69	<0.2	3	0.04
JAN 15...	E.04	E.02	<0.8	0.117	1.0	143	0.17	35.4	0.8	0.72	<0.2	5	0.04
MAR 11...	<0.06	E.03	<0.8	0.136	0.9	97	0.15	43.1	E.2	0.74	<0.2	5	0.04
MAY 06...	<0.06	<0.04	<0.8	0.120	1.0	166	0.31	37.7	E.2	0.59	<0.2	2	0.04
JUN 10...	<0.06	<0.04	<0.8	0.113	1.1	207	0.35	32.2	E.2	0.63	<0.2	2	0.05
JUL 23...	<0.06	<0.04	E.4n	0.090	1.5	184	0.29	24.3	0.4	0.55	<0.2	2	0.03
AUG 20...	<0.06	<0.04	<0.8	0.071	1.1	153	0.16	12.3	0.4	0.72	<0.2	1	0.04
SEP 03...	<0.06	<0.04	E.5n	0.102	1.2	167	0.22	20.4	0.5	0.67	<0.2	1	0.03

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the NDV

THAMES RIVER BASIN

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 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	2030	*2,370	*8.29	Mar 21	0845	1,390	6.57
Jan 2	0545	1,190	6.12	Mar 30	1800	1,080	5.88
Mar 2	2200	1,080	5.86	May 26	2115	1,600	7.01

Minimum discharge, 10 ft³/s, Aug. 30, 31, Sept. 1, gage height, 0.97 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	63	189	394	85	e160	485	225	434	69	36	12
2	37	55	160	1,060	103	449	376	235	466	56	44	156
3	36	51	143	700	122	e700	319	217	285	50	36	121
4	27	50	122	729	167	e460	291	201	248	49	46	82
5	24	51	119	547	225	e330	273	175	597	46	49	68
6	21	94	123	434	167	e320	271	157	465	41	45	47
7	19	103	e125	375	141	e310	249	153	318	36	40	35
8	18	80	e118	333	168	e220	268	160	374	34	177	28
9	17	67	e116	e320	e105	e210	308	174	300	33	115	25
10	16	61	e115	e300	e100	e200	368	152	234	35	83	22
11	19	84	e110	e310	e90	e190	420	133	191	47	68	19
12	34	121	512	e250	e80	e180	632	131	194	50	51	17
13	45	430	443	e220	e70	256	498	124	372	38	41	16
14	42	294	736	e195	e65	203	358	113	475	31	36	28
15	34	178	678	e175	e63	190	297	103	341	29	31	25
16	45	137	453	e160	e60	315	254	97	231	34	27	63
17	90	567	361	e150	e65	570	216	91	180	44	27	40
18	64	680	267	e145	e70	675	198	81	300	34	27	27
19	47	370	235	e140	e78	561	185	72	394	31	29	53
20	39	234	915	e136	e85	405	174	66	278	26	24	86
21	35	180	1,450	e132	e90	1,200	164	64	208	24	22	54
22	29	353	696	e125	201	929	220	79	234	24	22	39
23	46	394	478	e120	763	585	254	112	453	58	29	93
24	48	264	388	e115	758	427	207	137	319	74	21	162
25	46	203	446	e110	e460	349	178	144	210	51	18	86
26	110	171	665	e105	e380	309	337	624	155	37	15	58
27	182	170	461	e97	e290	342	582	1,150	122	30	14	48
28	114	167	369	e90	e170	299	369	541	94	25	11	50
29	85	154	319	e87	---	299	274	396	79	23	11	79
30	72	168	285	e84	---	927	225	279	77	21	11	64
31	68	---	300	80	---	801	---	211	---	19	11	---
TOTAL	1,546	5,994	11,897	8,218	5,221	13,371	9,250	6,597	8,628	1,199	1,217	1,703
MEAN	49.9	200	384	265	186	431	308	213	288	38.7	39.3	56.8
MAX	182	680	1,450	1,060	763	1,200	632	1,150	597	74	177	162
MIN	16	50	110	80	60	160	164	64	77	19	11	12
CFSM	0.56	2.24	4.30	2.97	2.09	4.83	3.45	2.38	3.22	0.43	0.44	0.64
IN.	0.64	2.50	4.96	3.42	2.17	5.57	3.85	2.75	3.59	0.50	0.51	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

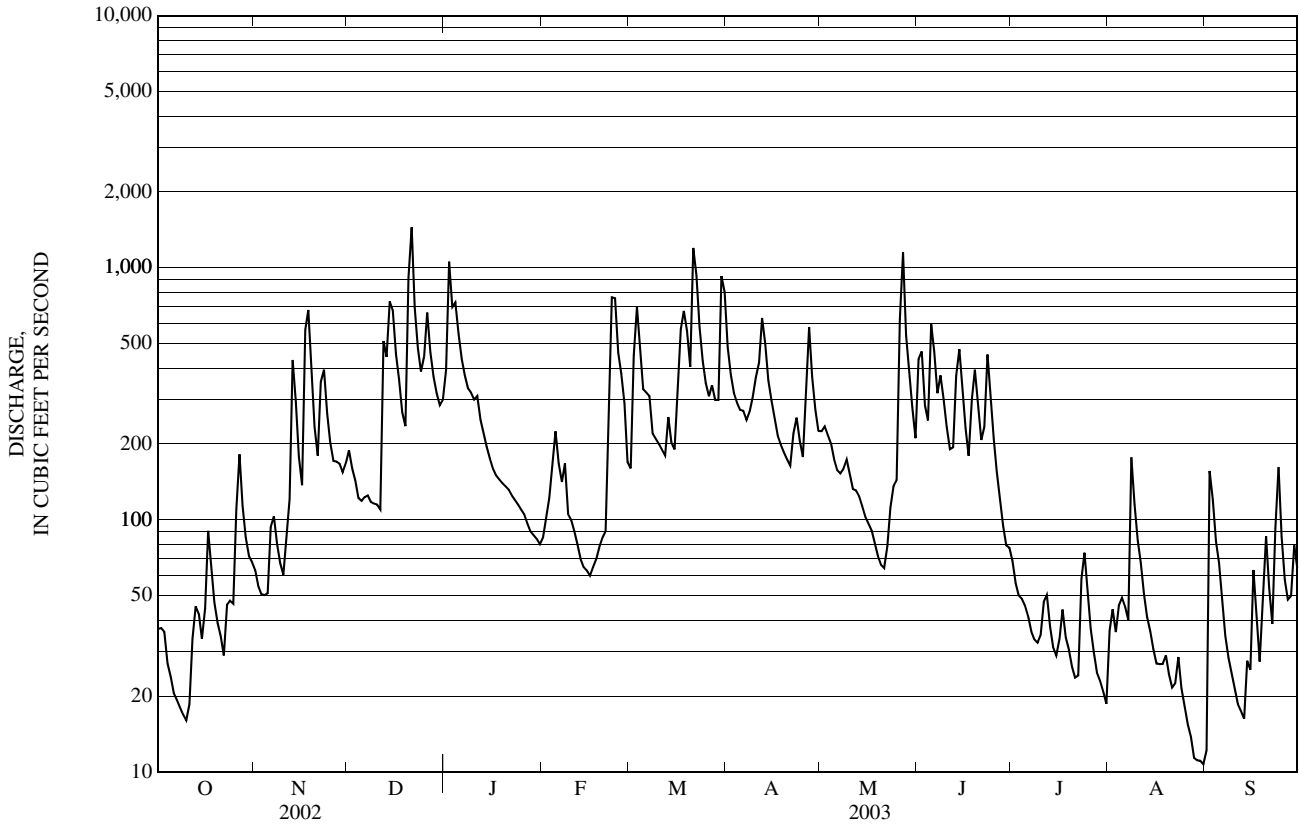
MEAN	80.4	146	204	232	236	345	295	180	117	51.5	44.3	54.0
MAX	676	498	660	1,130	531	782	886	409	892	553	245	718
(WY)	(1956)	(1956)	(1973)	(1979)	(1970)	(1936)	(1983)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	8.15	19.8	28.5	38.7	53.2	137	80.7	56.3	16.3	7.05	5.85	5.83
(WY)	(1942)	(1966)	(1944)	(1966)	(2002)	(1981)	(1985)	(1986)	(1964)	(1991)	(1957)	(1957)

e Estimated

01127500 YANTIC RIVER AT YANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	42,862.6		74,841		165	
ANNUAL MEAN	117		205		71.7	
HIGHEST ANNUAL MEAN					281	1938
LOWEST ANNUAL MEAN					71.7	1966
HIGHEST DAILY MEAN	1,450	Dec 21	1,450	Dec 21	8,690	Jun 6, 1982
LOWEST DAILY MEAN	5.1	Aug 28	11	Aug 28	2.3	Aug 30, 1963
ANNUAL SEVEN-DAY MINIMUM	5.6	Aug 22	12	Aug 26	3.0	Aug 30, 1963
MAXIMUM PEAK FLOW			2,370	Dec 20	a 13,500	Sep 21, 1938
MAXIMUM PEAK STAGE			8.29	Dec 20	b 14.66	Sep 21, 1938
INSTANTANEOUS LOW FLOW			c 10	Aug 30	2.2	Aug 30, 1963
ANNUAL RUNOFF (CFSM)	1.32		2.30		1.85	
ANNUAL RUNOFF (INCHES)	17.86		31.18		25.10	
10 PERCENT EXCEEDS	294		463		368	
50 PERCENT EXCEEDS	70		133		94	
90 PERCENT EXCEEDS	11		27		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 Aug. 31 and Sep. 1.



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 mi². Usable capacity, 75,500,000 ft³, 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 mi². Usable capacity, 2,260,000,000 ft³, including 90,000,000 ft³ 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 mi². Usable capacity, 1,400,000,000 ft³, including 83,000,000 ft³ 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 mi². Usable capacity, 484,000,000 ft³, including 4,400,000 ft³ 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 mi². Usable capacity, 1,170,000,000 ft³, including 52,000,000 ft³ 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 mi². Usable capacity, 577,000,000 ft³. 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 mi². Usable capacity, 555,000,000 ft³, including 61,000,000 ft³ 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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01172010 CONNECTICUT RIVER AT I-391 BRIDGE AT HOLYOKE, MASS.

LOCATION.--Lat 42° 11'26", long 72° 36'32", Hampden County, Hydrologic Unit 01080201, on right bank, 300 ft above the Interstate 391 bridge behind the flood barrier near water access through wall at mile 85.

DRAINAGE AREA.--8,332 mi².

PERIOD OF RECORD.--November 1, 2002 to September 30, 2003.

GAGE.--Water-stage recorder. Telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good except those for periods of estimated record, which are fair. Data from October 1 to October 31 estimated using data from former upstream station below Holyoke Dam (01172003). 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 ft³.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1854, 244,000 ft³/s, March 20, 1936, gage height, 35.0 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77,800 ft³/s, Mar. 31, gage height, 22.94 ft; minimum discharge, 1,960 ft³/s, July 10, gage height, 4.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3,300	5,830	11,600	e9,000	7,150	7,660	69,100	21,100	16,400	4,470	2,820	3,520
2	e2,700	5,420	11,700	e9,800	7,180	6,750	62,500	24,000	16,800	4,430	8,390	5,540
3	e3,080	4,140	9,640	e9,500	7,780	8,110	53,600	30,100	15,900	4,810	10,500	4,980
4	e2,900	3,750	10,800	e9,700	8,390	8,280	41,100	36,100	13,600	3,980	10,100	6,200
5	e2,550	4,890	e8,000	e9,000	7,310	7,660	30,700	33,300	11,000	4,600	8,980	10,400
6	e2,000	6,270	e7,100	e9,100	8,960	7,890	28,100	27,000	10,200	5,050	10,600	9,650
7	e2,600	7,270	e6,100	e9,000	8,930	9,370	26,600	21,900	11,300	5,000	18,900	5,130
8	e2,400	6,710	e4,300	e8,200	8,810	7,490	23,600	20,900	10,300	5,020	16,300	5,340
9	e2,290	5,900	e8,000	e8,700	6,160	5,720	20,500	17,900	10,700	4,570	11,300	4,670
10	e2,000	5,190	e6,100	e8,800	6,260	5,890	19,200	16,100	10,800	2,490	13,000	4,360
11	e2,110	8,010	e6,200	e9,700	6,970	6,060	21,700	14,800	8,740	3,200	24,600	4,410
12	e5,020	11,600	e7,000	e8,600	6,090	5,870	27,900	16,700	8,840	4,320	28,400	5,700
13	e6,320	12,900	e7,500	e9,100	7,210	7,280	31,700	25,700	9,320	3,920	28,800	4,000
14	e3,420	17,200	e8,000	e8,000	7,790	6,130	37,000	28,300	12,000	3,970	26,000	3,280
15	e5,300	15,600	e11,000	e7,200	7,300	5,720	36,000	28,700	14,200	4,140	20,700	5,790
16	e6,220	12,700	e10,800	e7,400	8,500	6,040	41,000	25,600	15,200	4,200	12,600	7,390
17	e8,140	12,500	e11,500	e7,300	9,570	7,950	48,000	21,500	14,400	4,450	11,300	6,650
18	e8,890	16,100	e8,500	e7,200	10,400	10,700	44,400	17,700	14,500	4,460	12,400	4,570
19	e7,130	18,900	e10,000	e8,000	8,900	17,500	35,300	16,400	9,610	3,870	13,500	5,800
20	e7,260	16,300	e9,000	8,990	7,760	18,300	26,100	15,500	8,300	3,100	10,600	7,330
21	e6,710	15,000	e10,500	11,100	7,830	25,300	24,300	12,300	8,360	3,060	8,300	5,840
22	e6,610	16,800	e11,500	10,600	8,510	40,800	25,500	10,200	9,360	4,540	7,620	3,460
23	e6,530	21,600	e13,500	9,550	8,760	51,800	29,100	10,300	13,900	6,570	7,450	7,680
24	e6,590	23,700	e11,300	10,200	9,450	50,600	29,300	10,700	11,900	7,470	6,410	19,700
25	e4,240	24,800	e10,000	10,600	10,200	47,900	27,300	9,190	9,750	5,380	4,760	17,500
26	e4,860	20,600	e8,300	8,360	10,700	53,500	24,400	13,600	8,310	7,130	4,450	14,300
27	e5,610	17,000	e9,000	8,460	9,610	64,200	29,500	17,300	7,670	5,490	4,740	7,350
28	e9,490	16,500	e9,700	11,000	8,860	60,100	32,800	21,000	6,990	5,950	4,940	15,500
29	e9,060	13,400	e8,500	10,200	---	54,700	29,500	19,200	4,310	4,150	3,620	33,500
30	e7,580	11,900	e9,400	8,840	---	68,700	25,600	17,000	4,970	3,720	4,230	28,300
31	e7,500	---	e9,700	7,580	---	75,400	---	15,400	---	2,890	3,650	---
TOTAL	160,410	378,480	284,240	278,780	231,340	759,370	1,001,400	615,490	327,630	140,400	359,960	267,840
MEAN	5,175	12,620	9,169	8,993	8,262	24,500	33,380	19,850	10,920	4,529	11,610	8,928
MAX	9,490	24,800	13,500	11,100	10,700	75,400	69,100	36,100	16,800	7,470	28,800	33,500
MIN	2,000	3,750	4,300	7,200	6,090	5,720	19,200	9,190	4,310	2,490	2,820	3,280

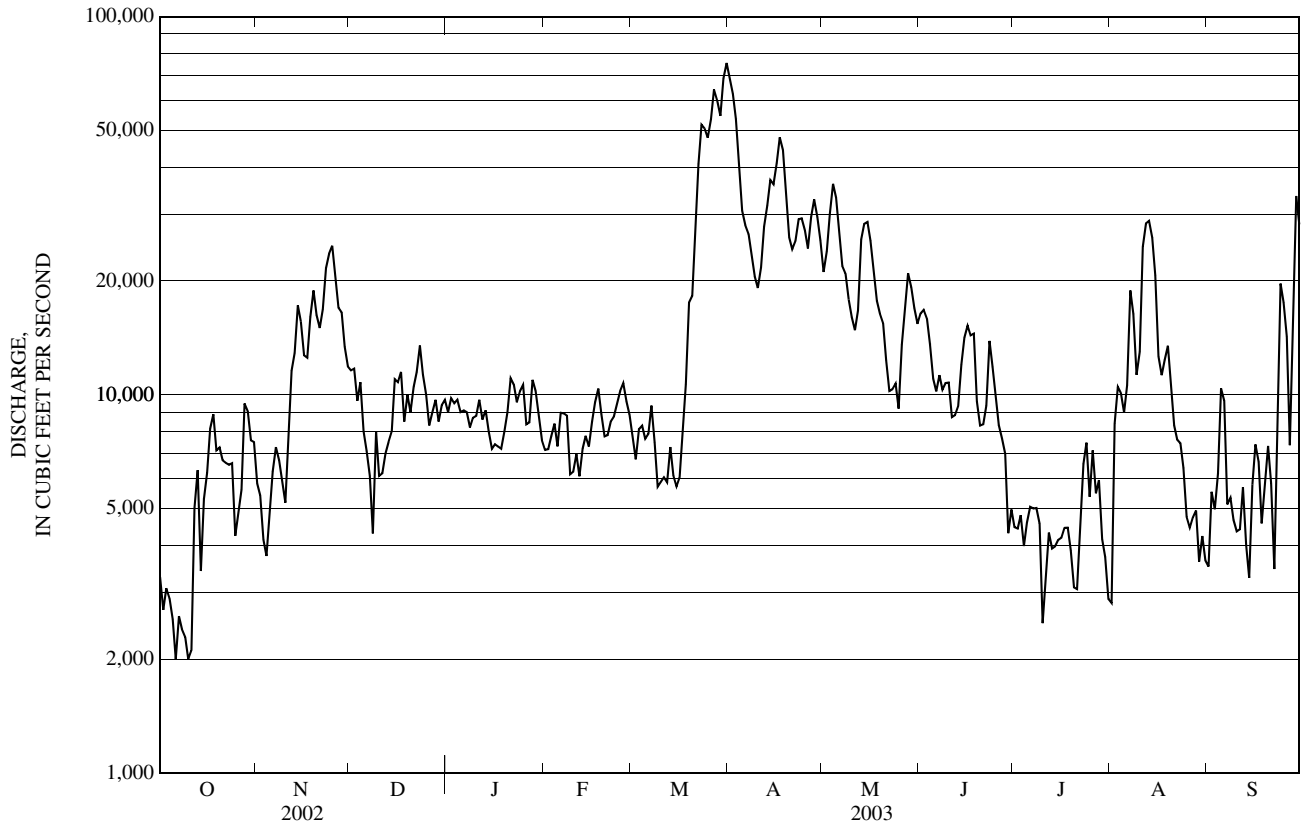
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	5,175	12,620	9,169	8,993	8,262	24,500	33,380	19,850	10,920	4,529	11,610	8,928
MAX	5,175	12,620	9,169	8,993	8,262	24,500	33,380	19,850	10,920	4,529	11,610	8,928
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	5,175	12,620	9,169	8,993	8,262	24,500	33,380	19,850	10,920	4,529	11,610	8,928
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

e Estimated

01172010 CONNECTICUT RIVER AT I-391 BRIDGE AT HOLYOKE, MASS.—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR	
ANNUAL TOTAL	4,805,340	
ANNUAL MEAN	13,170	
HIGHEST DAILY MEAN	75,400	Mar 31
LOWEST DAILY MEAN	2,000	Oct 6
ANNUAL SEVEN-DAY MINIMUM	2,280	Oct 5
MAXIMUM PEAK FLOW	77,800	Mar 31
MAXIMUM PEAK STAGE	22.94	Mar 31
INSTANTANEOUS LOW FLOW	1,960	Jul 10
10 PERCENT EXCEEDS	28,200	
50 PERCENT EXCEEDS	9,000	
90 PERCENT EXCEEDS	4,280	



CONNECTICUT RIVER BASIN

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 mi².

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 ft³.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 88,700 ft³/s, Mar. 31, gage height, 5.61 ft; minimum discharge, 2,620 ft³/s, Oct. 7, gage height, 7.99 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,050	7,760	13,000	12,400	7,400	10,100	80,800	25,600	20,900	7,680	3,380	3,780
2	3,620	7,390	13,100	15,000	7,740	9,210	73,200	26,100	22,200	5,580	8,440	6,800
3	4,810	5,580	11,700	15,000	7,460	10,600	63,800	32,600	20,500	6,250	12,800	7,220
4	4,830	4,300	12,000	14,300	9,850	10,000	51,500	38,800	18,000	6,070	13,900	6,040
5	4,120	5,660	11,700	12,700	8,950	10,700	38,100	38,400	15,000	5,120	11,700	12,600
6	3,800	7,150	9,970	12,900	9,490	9,290	34,400	32,200	13,500	7,650	13,600	12,800
7	2,920	9,480	8,330	12,400	9,820	11,500	31,900	26,500	14,200	6,030	18,900	7,870
8	4,790	8,650	7,240	11,600	10,600	10,200	28,300	25,400	13,400	7,190	21,800	6,860
9	3,770	7,580	10,200	11,800	7,880	7,690	26,500	22,900	13,500	7,030	14,500	6,580
10	3,360	6,820	10,200	11,800	7,380	7,670	23,600	19,600	14,200	3,840	13,900	5,460
11	3,440	7,960	8,820	12,600	8,280	7,910	24,700	18,400	12,300	3,360	25,000	4,750
12	6,660	13,200	9,660	11,900	7,860	7,410	32,000	19,600	11,300	5,770	32,100	7,960
13	9,640	15,500	10,700	11,900	8,110	8,840	36,600	27,200	12,800	5,250	32,200	5,450
14	6,740	19,400	11,600	11,200	7,840	7,970	40,500	31,900	15,500	5,180	30,700	4,440
15	6,970	19,100	16,000	10,100	8,040	7,330	41,300	32,900	17,600	5,390	25,200	5,960
16	7,980	16,400	16,200	9,790	13,500	6,760	43,800	30,400	18,800	5,390	16,800	9,780
17	11,100	14,500	17,300	10,400	19,400	9,700	51,200	26,500	18,000	6,270	13,500	9,680
18	11,300	19,000	15,300	10,700	17,700	11,800	51,000	22,200	18,000	5,420	13,800	6,910
19	9,700	22,300	13,600	11,000	11,600	20,400	42,700	20,300	14,200	6,060	16,500	6,880
20	9,570	20,400	13,100	10,100	7,260	22,700	33,100	19,000	10,600	4,290	13,400	9,410
21	9,250	17,400	16,700	11,300	7,400	28,700	28,600	16,600	11,400	3,280	10,700	9,270
22	8,280	19,600	19,200	11,300	9,020	46,600	29,200	13,600	11,800	5,470	9,310	5,040
23	8,190	24,300	20,500	10,300	10,900	58,900	31,600	13,300	18,900	8,060	8,920	8,210
24	8,240	27,300	18,500	10,400	11,000	60,600	33,900	14,300	18,400	9,920	9,130	22,200
25	6,260	29,300	17,000	9,420	11,800	56,100	31,900	11,800	13,800	7,160	5,870	22,900
26	6,060	25,000	13,600	8,660	12,100	58,900	28,400	16,800	12,400	9,400	5,600	19,100
27	6,930	20,300	12,700	8,250	11,200	70,800	32,000	21,900	10,700	7,950	5,460	11,400
28	10,600	19,300	13,300	11,600	10,800	72,200	36,600	25,100	11,000	7,450	6,520	15,000
29	11,400	15,600	11,900	9,510	---	61,700	34,400	24,800	6,730	6,080	4,450	39,600
30	9,630	14,200	12,300	9,090	---	71,600	30,600	21,600	5,650	4,640	4,570	35,300
31	9,650	---	12,800	7,420	---	86,100	---	19,500	---	4,270	5,170	---
TOTAL	220,660	450,430	408,220	346,840	280,380	879,980	1,166,200	735,800	435,280	188,500	427,820	335,250
MEAN	7,118	15,010	13,170	11,190	10,010	28,390	38,870	23,740	14,510	6,081	13,800	11,180
MAX	11,400	29,300	20,500	15,000	19,400	86,100	80,800	38,800	22,200	9,920	32,200	39,600
MIN	2,920	4,300	7,240	7,420	7,260	6,760	23,600	11,800	5,650	3,280	3,380	3,780

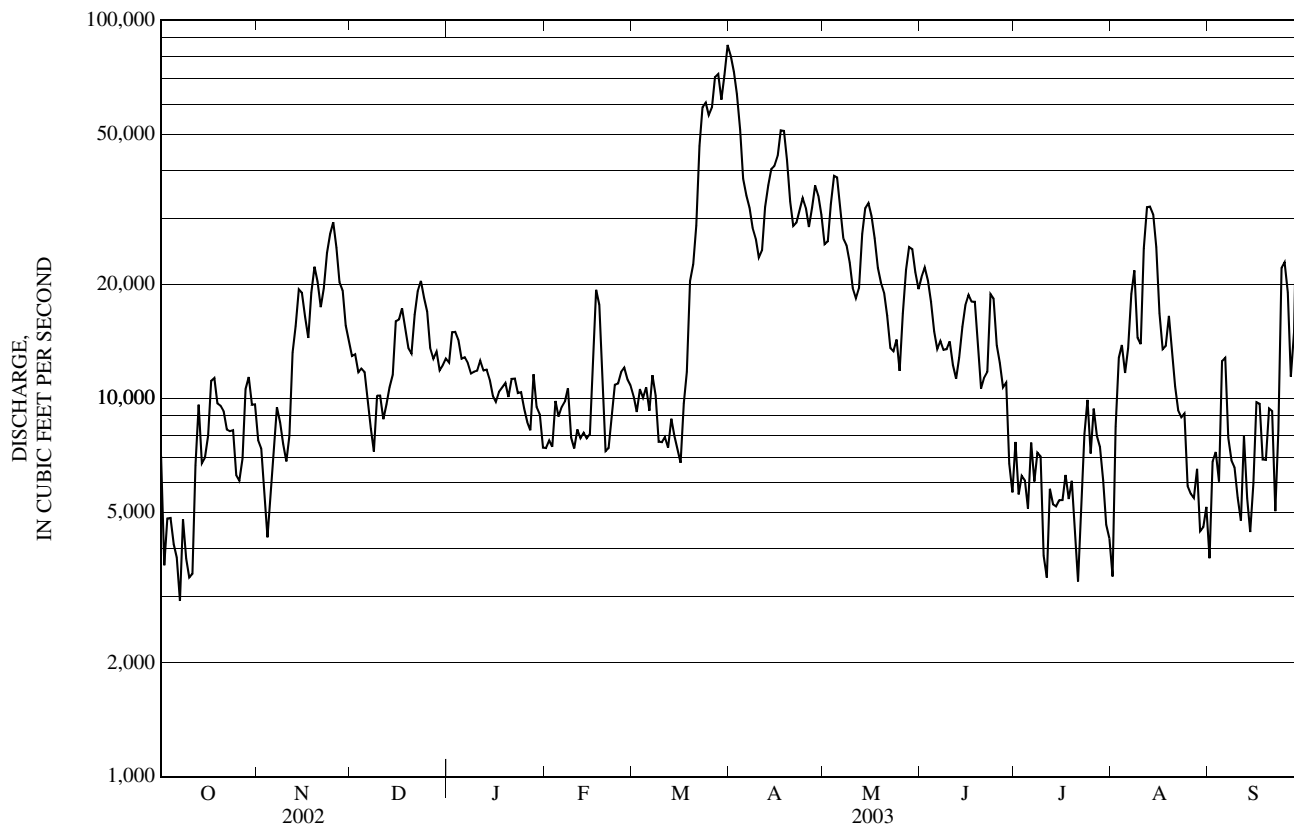
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	10,050	14,740	15,540	14,110	13,610	25,110	45,240	27,020	13,910	7,906	7,066	7,204
MAX	31,730	33,310	39,000	30,180	39,100	89,210	76,050	51,520	42,600	28,810	22,530	42,700
(WY)	(1978)	(1996)	(1997)	(1978)	(1981)	(1936)	(1960)	(1972)	(1984)	(1973)	(1955)	(1938)
MIN	2,690	5,015	5,548	4,311	4,386	6,965	14,920	9,611	4,900	3,202	2,911	2,719
(WY)	(1964)	(1965)	(1948)	(1931)	(1940)	(1940)	(1995)	(1941)	(1964)	(1962)	(1965)	(1964)

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	5,493,710		5,875,360			
ANNUAL MEAN	15,050		16,100		16,770	
HIGHEST ANNUAL MEAN					24,920 1996	
LOWEST ANNUAL MEAN					7,847 1965	
HIGHEST DAILY MEAN	72,100	Apr 17	86,100	Mar 31	278,000	Mar 20, 1936
LOWEST DAILY MEAN	2,420	Aug 24	2,920	Oct 7	968	Oct 20, 1963
ANNUAL SEVEN-DAY MINIMUM	2,820	Aug 19	3,740	Oct 5	1,870	Aug 15, 1964
MAXIMUM PEAK FLOW			88,700 Mar 31		282,000 Mar 20, 1936	
MAXIMUM PEAK STAGE			5.61 Mar 31		a 16.60 Mar 20, 1936	
INSTANTANEOUS LOW FLOW			2,620 Oct 7		968 Oct 20, 1963	
10 PERCENT EXCEEDS	29,900		32,000		37,100	
50 PERCENT EXCEEDS	11,700		11,600		11,200	
90 PERCENT EXCEEDS	3,950		5,580		4,080	

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, December 2001 to current year.

WATER TEMPERATURES: October 1955 to September 1956, October 1973 to September 1999, December 2001 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1973.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 443 microsiemens Feb. 15, 1992; minimum, 46 microsiemens April 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
09...	0930	4,980	0.15	9.3	97	7.4	173	10.5	17.5	--	--	--	--
31...	1230	9,510	1.4	11.8	100	7.4	151	6.0	8.5	42	13.8	1.91	1.61
NOV													
15...	1130	17,600	1.6	8.3	97	7.7	120	17.0	8.5	--	--	--	--
DEC													
05...	0915	12,400	1.4	14.2	100	7.1	136	-3.5	1.5	33	10.2	1.76	1.48
12...	1150	10,000	2.3	13.9	98	7.4	196	6.0	1.0	--	--	--	--
JAN													
09...	1320	11,500	--	13.9	98	7.2	162	5.5	1.0	--	--	--	--
FEB													
06...	1150	9,980	--	12.8	89	7.2	182	0.0	0.5	--	--	--	--
11...	1000	9,040	1.2	14.6	102	7.7	181	<-5.0	0.5	41	12.9	2.18	1.58
MAR													
14...	1110	8,880	--	13.8	99	7.2	230	-4.0	2.0	--	--	--	--
27...	1200	77,200	--	13.7	103	7.4	100	29.5	3.5	--	--	--	--
APR													
11...	1015	21,400	0.60	12.8	99	7.4	134	10.0	4.5	--	--	--	--
22...	1045	25,500	1.4	10.9	97	7.5	105	12.5	10.0	--	--	--	--
22...	1050	28,100	2.8	10.9	97	7.1	105	12.5	10.0	25	7.92	1.17	0.92
MAY													
09...	1110	22,500	--	10.6	100	7.6	112	18.0	13.0	--	--	--	--
22...	1040	12,900	1.1	9.7	95	7.3	136	15.5	15.0	--	--	--	--
JUN													
05...	1050	13,900	1.4	11.4	117	7.4	145	17.0	16.5	--	--	--	--
27...	0945	10,500	1.2	8.4	101	6.8	141	34.0	24.5	35	11.2	1.78	1.27
27...	1000	10,800	1.0	8.4	102	6.8	141	34.0	24.5	--	--	--	--
JUL													
15...	1015	5,730	--	8.7	105	7.7	171	29.5	25.0	--	--	--	--
29...	0745	6,920	0.70	7.8	95	7.2	185	24.0	25.5	49	15.9	2.22	1.75
31...	0745	5,300	--	11.3	139	7.7	175	22.5	26.0	--	--	--	--
AUG													
05...	0815	10,600	--	6.7	80	7.5	154	25.0	24.5	--	--	--	--
15...	1125	25,600	2.6	7.8	94	7.5	115	30.0	25.0	36	12.0	1.51	1.12
15...	1130	23,000	2.6	7.8	94	7.5	115	30.0	25.0	--	--	--	--
29...	0930	5,300	--	8.0	94	6.7	136	--	23.5	--	--	--	--
SEP													
04...	0940	5,170	--	8.8	99	7.6	144	19.0	21.0	--	--	--	--
25...	0930	24,300	14	8.7	96	7.3	131	19.0	19.5	40	13.0	1.84	1.75

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfl mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
09...	--	33	40	0.0	19.1	--	--	9.2	--	--	--	0.35	0.10
31...	9.22	30	37	0.0	15.0	<0.17	4.81	8.4	82	84	0.21	0.25	0.04
NOV													
15...	--	23	28	0.0	12.2	--	--	7.8	--	--	--	0.25	E.04
DEC													
05...	10.3	24	29	0.0	15.4	<0.17	6.15	8.8	85	85	0.22	0.25	0.09
12...	--	25	31	0.0	25.5	--	--	10.0	--	--	--	0.32	0.10
JAN													
09...	--	18	22	0.0	24.3	--	--	8.8	--	--	--	0.23	0.09
FEB													
06...	--	26	31	0.0	26.3	--	--	10.0	--	--	--	0.35	0.17
11...	15.8	30	36	0.0	25.4	0.07	6.82	9.8	105	106	0.38	0.42	0.23
MAR													
14...	--	23	28	0.0	--	--	--	--	--	--	--	0.32	0.12
27...	--	14	17	0.0	13.5	--	--	6.1	--	--	--	0.39	E.02
APR													
11...	--	18	22	0.0	--	--	--	--	--	--	--	0.25	0.06
22...	--	17	21	0.0	12.4	--	--	6.1	--	--	--	0.26	E.02
22...	8.10	16	19	0.0	13.2	0.07	4.91	6.4	65	60	0.15	0.27	E.02
MAY													
09...	--	20	25	0.0	--	--	--	--	--	--	--	0.26	0.04
22...	--	22	27	0.0	17.1	--	--	7.6	--	--	--	0.28	0.06
JUN													
05...	--	22	27	0.0	18.5	--	--	8.2	--	--	--	0.31	0.05
27...	12.2	22	27	0.0	20.3	<0.2	6.60	7.6	76	77	0.28	0.34	0.04
27...	--	23	28	0.0	--	--	--	--	--	--	--	0.34	<0.04
JUL													
15...	--	29	35	0.0	--	--	--	--	--	--	--	0.33	E.03
29...	14.5	37	45	0.0	25.1	<0.2	4.24	8.9	98d	98d	0.23	0.32	<0.04
31...	--	34	42	0.0	23.4	--	--	9.0	--	--	--	0.24	<0.04
AUG													
05...	--	32	40	0.0	--	--	--	--	--	--	--	0.32	E.03
15...	8.29	26	32	0.0	12.1	<0.2	5.61	6.0	69	80	0.23	0.32	<0.04
15...	--	26	32	0.0	12.0	--	--	5.9	--	--	--	0.33	<0.04
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
04...	--	26	32	0.0	19.6	--	--	7.6	--	--	--	0.25	<0.04
25...	9.89	29	35	0.0	15.6	<0.2	5.31	6.6	114	83	0.28	0.42	E.04n

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)
OCT													
09...	0.42	0.012	0.25	0.09	--	0.115	0.77	<0.1	0.1	3.9	--	--	--
31...	0.28	E.004	0.20	E.01	0.026	0.037	0.53	--	--	--	3.8	--	23
NOV													
15...	0.22	E.004	--	E.01	--	0.037	0.47	<0.1	0.5	3.6	--	--	--
DEC													
05...	0.42	E.006	0.16	0.02	0.028	0.037	0.67	--	--	--	3.4	--	144
12...	0.56	0.013	0.22	0.04	--	0.059	0.88	<0.1	0.2	3.1	--	--	--
JAN													
09...	0.45	E.005	0.14	E.01	--	0.023	0.68	<0.1	0.1	2.5	--	--	--
FEB													
06...	0.56	0.008	0.19	0.03	--	0.059	0.92	<0.1	0.2	2.6	--	--	--
11...	0.51	E.007	0.19	0.05	0.057	0.069	0.93	--	--	--	3.2	130	232
MAR													
14...	0.58	0.013	0.21	E.01	--	0.036	0.90	--	--	--	--	--	--
27...	0.30	<0.008	--	<0.02	--	0.122	0.69	<0.1	0.8	2.8	--	--	--
APR													
11...	0.37	<0.008	0.19	<0.02	--	0.023	0.62	--	--	--	--	--	--
22...	0.27	E.004	--	<0.02	--	0.025	0.53	<0.1	0.2	2.6	--	--	--
22...	0.27	<0.008	--	<0.02	0.010	0.024	0.54	--	--	--	3.6	59	74k
MAY													
09...	0.29	E.004	0.22	E.01	--	0.030	0.55	--	--	--	--	--	--
22...	0.35	E.007	0.22	E.01	--	0.034	0.64	<0.1	0.3	3.0	--	--	--
JUN													
05...	0.36	E.006	0.26	E.01	--	0.041	0.67	<0.1	0.3	3.0	--	--	--
27...	0.37	E.007	0.29	0.03	0.039	0.051	0.71	--	--	--	4.4	S26e	S460e
27...	0.35	E.006	--	E.01	--	0.051	0.69	--	--	--	--	--	--
JUL													
15...	0.46	0.009	--	0.02	--	0.043	0.80	--	--	--	--	--	--
29...	0.39	0.009	--	0.03	0.043	0.047	0.70	--	--	--	3.6	24	24
31...	0.36	<0.008	--	0.02	--	0.041	0.60	<0.1	0.1	2.7	--	--	--
AUG													
05...	0.36	E.007	--	E.02	--	0.040	0.68	--	--	--	--	--	--
15...	0.13	0.028	--	<0.02	0.016	0.044	0.44	--	--	--	6.4	22k	14k
15...	0.14	0.031	--	<0.02	--	0.046	0.47	<0.1	0.5	4.5	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
04...	0.26	0.019	--	<0.02	--	0.037	0.51	<0.1	0.2	3.6	--	--	--
25...	0.23	<0.008	--	E.01n	0.019	0.079	0.64	--	--	--	4.8	780	1,080

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alum- inum, water, fltred, ug/L (01106)	Anti- mony, water, fltred, ug/L (01095)	Barium, water, fltred, ug/L (01005)	Beryll- ium, water, fltred, ug/L (01010)	Cadmium water, fltred, ug/L (01025)	Chrom- ium, water, fltred, ug/L (01030)	Cobalt water, fltred, ug/L (01035)	Copper, water, fltred, ug/L (01040)	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Mangan- ese, water, fltred, ug/L (01056)	Molyb- denum, water, fltred, ug/L (01060)	Nickel, water, fltred, ug/L (01065)
OCT													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	13	<0.30	12	<0.06	<0.04	<0.8	0.065	1.3	78	E.06	14.7	E.3	1.15
NOV													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
05...	18	<0.30	14	<0.06	<0.04	<0.8	0.070	1.3	87	E.07	26.1	<0.3	1.66
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	17	<0.30	18	<0.06	<0.04	<0.8	0.105	1.1	117	0.14	36.8	0.4	1.41
MAR													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	25	<0.30	11	<0.06	0.06	<0.8	0.073	1.1	53	E.06	17.0	<0.3	0.54
MAY													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	21	<0.30	16	<0.06	<0.04	<0.8	0.073	1.3	151	0.16	22.5	E.2n	1.00
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	11	<0.30	15	<0.06	<0.04	<0.8	0.067	1.4	73	E.06n	18.5	0.5	1.14
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	23	<0.30	11	<0.06	<0.04	<0.8	0.060	1.7	105	E.08n	7.5	0.4	0.87
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	17	<0.30	13	<0.06	<0.04	<0.8	0.060	1.5	60	0.11	3.3	E.3n	0.69

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd, 0.7u GF ug/L (82679)	Propargite, water, fltrd, 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)
OCT 09...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	1	19
31...	--	--	--	--	--	--	--	--	--	--	0.10	--	--
NOV 15...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	5	223
DEC 05...	--	--	--	--	--	--	--	--	--	--	0.07	--	--
12...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	3	71
JAN 09...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	1	37
FEB 06...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2	65
11...	--	--	--	--	--	--	--	--	--	--	0.10	--	--
MAR 14...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2	60
27...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	135	28,200
APR 11...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4	237
22...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	8	586
22...	--	--	--	--	--	--	--	--	--	--	0.06	--	--
MAY 09...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	5	292
22...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4	122
JUN 05...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	3	102
27...	--	--	--	--	--	--	--	--	--	--	0.06	--	--
27...	<0.010	<0.011	<0.02	0.007	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2	44
JUL 15...	<0.010	<0.011	<0.10	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	1	19
29...	--	--	--	--	--	--	--	--	--	--	0.06	--	--
31...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2	33
AUG 05...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	3	97
15...	--	--	--	--	--	--	--	--	--	--	0.09	--	--
15...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	22	1,390
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 04...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	10	139
25...	--	--	--	--	--	--	--	--	--	--	0.06	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Particulate nitrogen, susp, water, mg/L (49570)	Total carbon, suspnd total, mg/L (00694)	Chlorophyll a periphyton, chromo-fluoro, mg/m ² (70957)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
OCT								
09...	0.03	0.1	--	<0.004	<0.009	<0.005	<0.005	<0.007
31...	--	--	--	--	--	--	--	--
NOV								
15...	0.07	0.5	--	<0.004	<0.009	<0.005	<0.005	<0.007
DEC								
05...	--	--	--	--	--	--	--	--
12...	0.03	0.2	--	<0.004	<0.009	<0.005	<0.005	<0.007
JAN								
09...	<0.02	0.1	--	<0.004	<0.009	<0.005	<0.005	<0.007
FEB								
06...	0.03	0.2	--	<0.004	<0.009	<0.005	<0.005	<0.007
11...	--	--	--	--	--	--	--	--
MAR								
14...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
27...	0.09	0.8	--	<0.004	<0.009	<0.005	<0.005	<0.007
APR								
11...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
22...	0.02	0.2	--	<0.004	<0.009	<0.005	<0.005	<0.007
22...	--	--	--	--	--	--	--	--
MAY								
09...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
22...	0.04	0.3	--	<0.004	<0.009	<0.005	<0.005	<0.007
JUN								
05...	0.03	0.3	--	<0.004	<0.009	<0.005	<0.005	<0.007
27...	--	--	--	--	--	--	--	--
27...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
JUL								
15...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
29...	--	--	--	--	--	--	--	--
31...	0.02	0.1	--	<0.004	<0.009	<0.005	<0.005	<0.007
AUG								
05...	--	--	--	<0.004	<0.009	<0.005	<0.005	<0.007
15...	--	--	--	--	--	--	--	--
15...	0.05	0.5	--	<0.004	<0.009	<0.005	<0.005	<0.007
29...	--	--	82.1d	--	--	--	--	--
SEP								
04...	0.03	0.2	--	<0.004	<0.009	<0.005	<0.005	<0.007
25...	--	--	--	--	--	--	--	--

Value qualifier codes used in this table:

- d -- Diluted sample: method hi range exceeded
- e -- See field comment
- k -- Counts outside acceptable range
- n -- Below the NDV
- t -- Below the long-term MDL

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.7	19.2	20.0	8.6	8.1	8.4	2.6	2.1	2.4	1.6	1.3	1.4
2	22.0	20.2	21.1	8.1	7.5	7.8	2.2	1.9	2.0	1.5	0.5	0.7
3	21.8	20.7	21.4	7.7	7.2	7.5	2.1	1.4	1.8	0.5	0.0	0.3
4	20.7	19.2	19.9	7.6	7.0	7.3	1.6	1.1	1.3	0.2	0.0	0.1
5	20.6	19.1	19.8	7.8	6.9	7.4	1.3	0.6	1.0	0.4	0.1	0.3
6	20.3	19.1	19.6	7.7	7.4	7.5	1.5	1.0	1.2	0.3	0.2	0.2
7	20.0	18.1	19.0	7.6	6.7	7.2	1.1	0.6	0.9	0.4	0.1	0.3
8	18.4	17.6	18.0	7.1	6.2	6.7	1.0	0.4	0.8	0.4	0.1	0.3
9	17.9	17.0	17.4	7.9	6.8	7.4	0.8	0.2	0.4	1.0	0.4	0.7
10	17.8	17.2	17.4	9.3	7.8	8.4	0.5	0.1	0.3	1.5	1.0	1.2
11	17.2	16.5	16.9	10.9	9.3	10.3	0.5	0.2	0.3	1.0	0.4	0.6
12	16.5	15.9	16.2	10.6	9.8	10.1	1.0	0.2	0.6	0.6	0.2	0.4
13	15.9	15.7	15.9	9.8	9.4	9.6	1.0	0.5	0.8	0.5	0.0	0.3
14	15.7	14.4	15.1	9.4	8.4	8.9	1.6	1.0	1.3	0.4	0.1	0.2
15	14.4	13.8	14.2	8.6	8.0	8.3	1.8	1.2	1.5	0.4	0.0	0.1
16	14.2	13.6	13.9	8.3	6.8	7.7	2.0	1.6	1.8	0.4	0.0	0.2
17	14.0	13.3	13.7	6.8	5.1	5.7	1.9	1.0	1.5	0.3	0.2	0.2
18	13.9	13.2	13.6	5.1	4.1	4.5	1.0	0.4	0.7	0.3	0.0	0.1
19	13.3	12.9	13.2	5.2	4.4	4.8	0.7	0.2	0.5	0.2	0.0	0.0
20	13.0	12.5	12.8	5.5	5.0	5.3	2.2	0.7	1.4	0.3	0.0	0.1
21	12.7	12.0	12.4	5.4	5.0	5.2	2.0	1.4	1.6	0.3	0.0	0.1
22	12.2	11.4	11.8	5.5	5.3	5.4	1.6	1.2	1.4	0.2	0.0	0.1
23	11.8	11.2	11.5	5.5	4.8	5.3	2.1	1.6	1.8	0.3	0.0	0.1
24	11.2	10.5	10.8	4.8	4.2	4.4	2.1	1.6	1.9	0.3	0.0	0.1
25	10.8	10.1	10.6	4.4	4.1	4.2	1.6	0.2	1.1	0.3	0.0	0.1
26	10.6	10.3	10.4	4.7	4.3	4.5	0.6	0.1	0.3	0.2	0.0	0.1
27	10.9	10.1	10.6	4.6	3.6	4.0	0.5	0.0	0.2	0.3	0.0	0.1
28	10.6	9.8	10.3	3.6	2.6	3.1	0.6	0.2	0.4	0.2	0.0	0.1
29	9.8	9.0	9.3	2.6	2.0	2.3	0.8	0.3	0.6	0.2	0.1	0.1
30	9.0	8.5	8.7	2.6	2.0	2.4	0.9	0.4	0.6	0.3	0.0	0.1
31	8.7	8.0	8.4	---	---	---	1.3	0.9	1.0	0.3	0.1	0.2
MONTH	22.0	8.0	14.6	10.9	2.0	6.4	2.6	0.0	1.1	1.6	0.0	0.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.3	0.2	0.3	2.6	0.4	0.8	4.2	3.5	3.7	11.9	11.2	11.5
2	0.5	0.2	0.4	1.5	0.7	1.1	3.5	3.2	3.3	13.7	11.6	12.6
3	0.8	0.2	0.6	1.2	0.5	0.9	3.4	3.1	3.2	13.7	12.7	13.2
4	0.6	0.3	0.4	0.7	0.2	0.4	3.4	3.0	3.2	13.3	12.6	13.0
5	0.6	0.2	0.4	1.1	0.4	0.8	3.0	2.2	2.6	13.0	12.3	12.7
6	0.4	0.0	0.2	1.1	0.0	0.6	3.0	1.9	2.5	12.3	11.8	12.0
7	0.2	0.0	0.1	0.8	0.0	0.4	2.9	2.5	2.7	13.3	11.7	12.5
8	0.3	0.0	0.1	1.9	0.5	1.2	2.7	2.3	2.5	12.9	12.3	12.6
9	0.4	0.0	0.1	3.2	1.2	1.6	2.8	2.4	2.6	13.8	12.1	12.9
10	0.4	0.1	0.2	1.6	0.0	1.1	4.6	2.6	3.7	14.7	12.7	13.8
11	0.6	0.2	0.4	2.2	0.7	1.5	5.1	4.4	4.7	14.7	13.5	14.2
12	0.5	0.1	0.3	2.5	1.2	1.9	5.7	4.6	5.2	14.2	13.6	13.9
13	0.4	0.0	0.2	2.4	1.2	1.9	6.8	5.2	6.0	13.7	12.8	13.1
14	0.5	0.0	0.2	2.4	0.7	1.7	7.2	6.0	6.6	13.5	12.6	13.0
15	0.5	0.0	0.2	3.3	2.0	2.7	8.5	6.8	7.6	13.9	12.9	13.5
16	0.1	0.0	0.0	4.1	2.3	3.3	9.7	8.4	9.1	13.8	12.9	13.4
17	0.0	0.0	0.0	4.7	3.5	4.1	9.3	8.5	8.9	13.7	12.5	13.0
18	0.1	0.0	0.0	4.8	3.1	4.0	8.7	7.9	8.3	14.6	12.7	13.7
19	0.2	0.0	0.1	3.4	2.5	2.9	8.4	7.6	8.1	15.8	13.5	14.7
20	0.3	0.0	0.2	2.6	2.0	2.4	9.3	7.8	8.6	16.5	14.7	15.6
21	0.6	0.1	0.3	2.9	1.6	2.2	10.5	8.9	9.7	16.1	15.3	15.5
22	0.5	0.2	0.3	3.1	2.2	2.8	10.0	9.4	9.8	15.3	14.4	14.9
23	0.5	0.1	0.4	3.2	2.3	2.8	10.0	8.9	9.5	14.4	14.2	14.3
24	0.5	0.0	0.3	3.2	2.2	2.7	9.6	8.8	9.2	14.3	13.9	14.1
25	0.5	0.1	0.3	3.6	2.6	3.2	9.9	8.6	9.3	15.3	13.8	14.5
26	0.4	0.1	0.2	3.9	3.5	3.7	9.5	9.2	9.4	15.1	13.7	14.3
27	0.5	0.0	0.2	3.7	3.2	3.5	10.2	9.1	9.7	14.8	13.6	14.1
28	1.4	0.0	0.4	4.1	3.3	3.6	10.8	9.6	10.2	15.7	14.5	15.0
29	---	---	---	5.3	4.1	4.7	11.0	10.3	10.7	16.0	14.7	15.4
30	---	---	---	5.4	4.8	5.1	11.6	10.6	11.1	17.3	15.6	16.5
31	---	---	---	4.8	4.1	4.3	---	---	---	17.1	16.5	16.8
MONTH	1.4	0.0	0.2	5.4	0.0	2.4	11.6	1.9	6.7	17.3	11.2	13.9

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	159	156	158	145	141	143	140	132	137	191	169	184
2	160	152	156	150	142	147	132	125	128	191	164	176
3	160	154	158	151	145	148	133	125	127	192	157	174
4	162	159	160	157	146	151	137	132	134	167	153	157
5	168	158	161	163	152	158	134	129	132	174	164	169
6	167	160	163	164	157	159	151	132	142	165	154	161
7	164	155	160	165	145	155	171	151	166	176	164	172
8	165	157	161	148	145	147	169	155	164	166	158	160
9	165	159	161	148	145	147	160	145	154	162	157	160
10	161	157	158	155	145	152	145	140	142	176	162	170
11	165	160	163	154	148	151	154	141	147	172	159	165
12	171	159	165	152	134	143	259	153	192	161	152	156
13	169	147	158	142	132	137	285	224	262	162	151	156
14	147	139	142	133	112	121	224	173	189	155	148	151
15	147	139	143	119	112	116	183	134	156	153	129	149
16	149	141	145	123	118	120	164	131	138	154	151	153
17	143	136	139	176	123	148	166	140	156	155	150	153
18	142	137	140	186	119	155	140	136	139	160	138	151
19	145	141	143	119	109	113	139	133	137	159	135	146
20	142	138	140	120	114	116	141	129	133	161	131	149
21	144	140	142	119	116	118	145	125	137	161	136	158
22	146	140	143	119	115	117	125	116	119	158	135	147
23	152	146	150	116	93	103	123	118	121	158	154	156
24	154	150	152	96	92	94	125	122	124	159	153	156
25	159	152	156	100	96	98	135	123	126	156	148	151
26	166	155	159	103	99	102	151	135	141	156	150	154
27	171	156	166	122	103	108	167	148	159	166	156	160
28	157	147	153	138	121	129	151	138	144	170	159	164
29	149	139	143	121	117	119	142	136	139	162	145	151
30	144	139	142	132	119	125	144	137	141	151	145	148
31	149	142	146	---	---	---	180	140	149	156	150	154
MONTH	171	136	152	186	92	131	285	116	148	192	129	158
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	158	153	156	---	---	---	99	89	93	113	110	111
2	179	156	167	---	---	---	96	89	94	115	110	112
3	200	178	193	186	164	176	96	93	94	116	109	113
4	190	162	172	165	159	161	99	94	97	121	103	106
5	193	173	183	163	154	159	133	98	109	107	103	105
6	186	166	177	179	163	175	135	113	121	107	105	106
7	167	158	161	190	165	177	118	115	116	110	104	107
8	192	163	175	205	179	194	145	118	132	114	106	109
9	201	180	193	219	115	195	144	128	135	116	110	112
10	193	175	185	---	---	---	134	125	130	113	111	112
11	195	172	182	205	157	190	134	122	125	114	111	113
12	195	186	190	---	---	---	124	112	120	133	113	116
13	189	177	182	191	178	186	115	108	110	116	104	107
14	183	167	175	233	186	215	109	107	108	108	104	105
15	168	157	163	252	225	235	114	106	109	112	103	106
16	166	150	160	228	203	217	113	103	108	113	108	110
17	152	146	149	208	173	191	109	100	105	113	110	112
18	169	149	159	179	155	171	103	99	101	116	112	114
19	164	158	161	157	144	151	103	94	98	117	115	116
20	195	162	180	144	140	143	99	95	96	117	115	116
21	218	191	209	141	127	135	100	97	98	123	116	119
22	215	195	205	127	116	121	106	97	101	129	122	125
23	235	185	202	120	112	115	106	103	104	132	127	129
24	194	162	178	115	111	112	108	105	106	132	126	129
25	164	153	158	115	108	109	108	107	107	132	128	129
26	154	144	148	115	107	110	116	107	111	133	122	127
27	---	---	---	110	107	109	116	111	115	122	115	118
28	---	---	---	109	103	106	111	105	108	117	114	115
29	---	---	---	117	104	108	106	103	105	116	113	114
30	---	---	---	117	105	112	110	105	107	118	115	116
31	---	---	---	109	99	103	---	---	---	122	118	119
MONTH	235	144	176	252	99	155	145	89	109	133	103	114

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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 mi².

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.

REMARKS.--Records fair, including periods of ice effect and no gage-height record.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 17,300 ft³/s on basis of slope-area measurement, at site 5.6 mi downstream, just below State Route 75, drainage area = 36.9 mi², Aug. 19, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 21	1430	288	3.33	Sep 28	1545	*1,920	6.07
Sep 23	2330	265	3.25				

Minimum discharge, 0.40 ft³/s, on Oct. 10, gage height, 1.24 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.75	3.1	12	e33	6.4	e10	40	12	104	11	3.3	1.8
2	0.70	3.2	e10	e96	7.6	24	33	22	82	9.6	7.7	40
3	0.70	3.1	e9.0	e54	9.6	46	29	67	27	8.4	6.1	34
4	0.72	3.0	e8.0	e36	16	40	35	26	20	7.4	30	18
5	0.77	3.4	e7.2	e30	21	26	34	15	25	7.7	64	15
6	0.60	12	e6.8	e26	17	e22	34	15	25	10	49	8.1
7	0.51	14	e6.4	e22	11	e19	26	14	32	6.9	22	5.9
8	0.44	6.9	e6.0	e18	e8.0	e18	25	20	75	6.0	16	4.8
9	0.44	5.0	e5.8	e16	e6.5	e17	31	24	34	6.7	19	4.4
10	0.44	4.3	e5.6	e14	e5.8	e16	36	15	21	9.2	24	4.8
11	0.62	4.5	e5.5	e13	e5.2	e16	42	12	18	7.9	17	3.8
12	15	6.2	22	e12	e4.8	e15	82	22	21	14	12	3.3
13	17	34	28	e11	e4.4	e15	46	19	94	8.8	9.8	3.1
14	6.9	19	e74	e9.5	e4.0	e14	26	14	94	6.3	7.7	7.1
15	4.3	9.9	e46	e8.5	e3.7	e14	21	12	44	5.7	6.7	11
16	7.4	7.5	e31	e7.7	e3.6	31	19	10	22	5.8	7.2	47
17	28	e69	e23	e7.0	e3.5	e68	17	9.5	17	8.9	6.5	28
18	13	e72	19	e6.5	e3.4	e145	14	9.0	26	6.5	23	13
19	6.3	e34	14	e6.0	e3.3	e90	13	8.9	32	7.1	11	32
20	4.1	23	e62	e5.6	e3.2	e59	13	7.7	23	5.1	6.8	35
21	2.7	19	e42	e5.3	e3.1	220	13	6.7	22	4.3	5.7	17
22	2.6	29	e31	e5.0	14	173	18	8.5	81	9.8	5.9	13
23	2.5	37	25	e4.8	e58	111	19	12	147	13	4.9	92
24	2.8	23	20	e4.6	e58	74	16	16	64	10	3.6	143
25	3.1	15	17	e4.4	e45	58	13	19	33	7.2	2.8	43
26	9.3	13	e16	e4.2	e25	48	30	60	21	5.9	2.8	40
27	13	12	e15	e4.1	e18	45	60	112	17	4.6	2.6	38
28	6.9	12	e14	e4.0	e12	37	29	56	14	4.0	2.3	545
29	4.6	11	e14	e4.0	---	35	21	47	12	3.2	2.2	304
30	3.7	12	e13	e4.0	---	78	15	24	11	3.0	2.0	132
31	3.3	---	e13	6.1	---	64	---	19	---	3.3	1.8	---
TOTAL	163.19	520.1	621.3	482.3	381.1	1,648	850	734.3	1,258	227.3	385.4	1,687.1
MEAN	5.26	17.3	20.0	15.6	13.6	53.2	28.3	23.7	41.9	7.33	12.4	56.2
MAX	28	72	74	96	58	220	82	112	147	14	64	545
MIN	0.44	3.0	5.5	4.0	3.1	10	13	6.7	11	3.0	1.8	1.8
CFSM	0.51	1.67	1.93	1.50	1.31	5.11	2.72	2.28	4.03	0.71	1.20	5.41
IN.	0.58	1.86	2.22	1.73	1.36	5.89	3.04	2.63	4.50	0.81	1.38	6.03

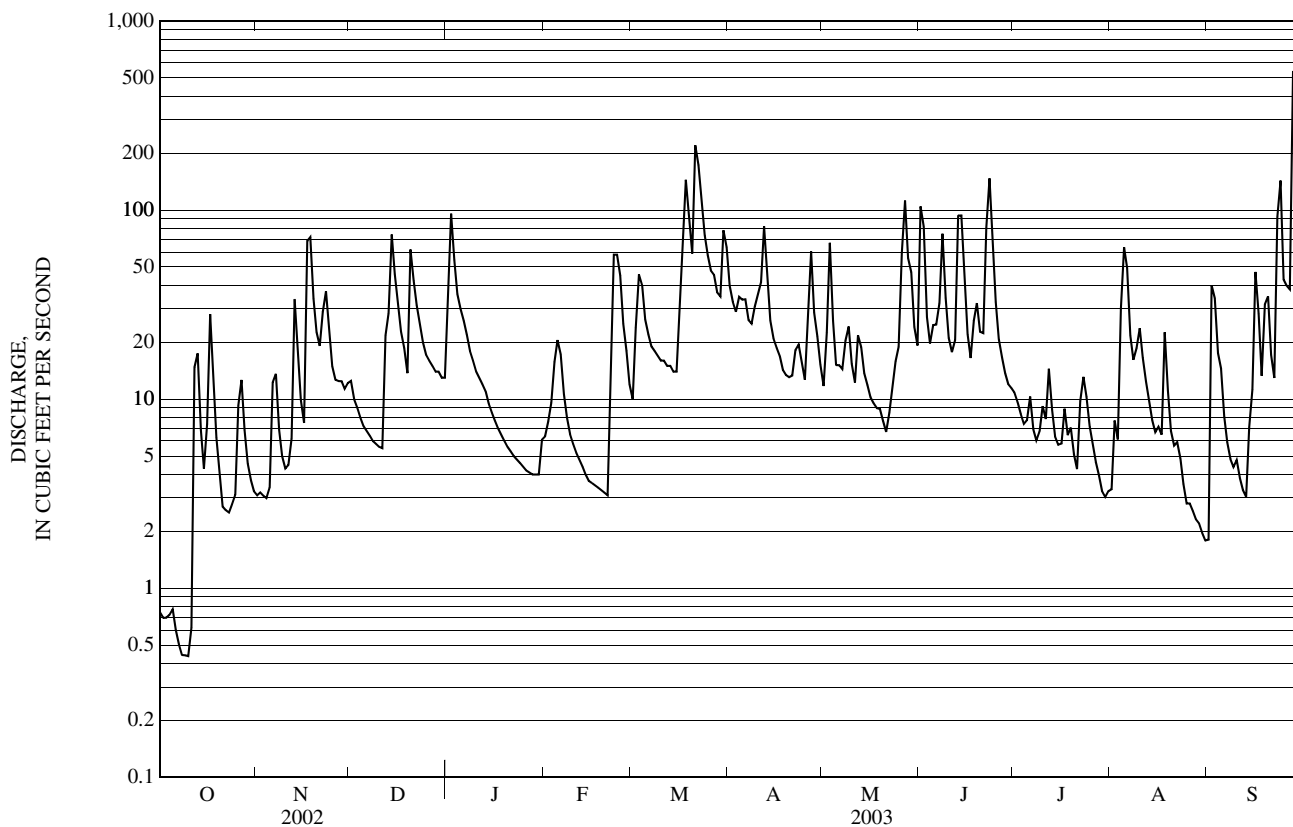
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	11.8	18.3	21.5	21.7	24.4	42.1	34.0	23.7	20.9	5.52	6.38	9.12
MAX	44.2	36.5	57.9	60.3	59.6	100	92.6	73.9	97.5	14.0	20.3	56.2
(WY)	(1990)	(1996)	(1997)	(1996)	(1984)	(2001)	(1983)	(1989)	(1982)	(2000)	(2000)	(2003)
MIN	1.76	1.38	3.69	2.29	4.76	12.6	8.13	5.79	1.25	0.56	0.41	0.48
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1985)	(1986)	(1999)	(1999)	(1993)	(1983)

e Estimated

01184100 STONY BROOK NEAR WEST SUFFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	3,589.01		8,958.09		20.1	
ANNUAL MEAN	9.83		24.5		6.83	
HIGHEST ANNUAL MEAN					29.9	1984
LOWEST ANNUAL MEAN					6.83	2002
HIGHEST DAILY MEAN	120	May 14	545	Sep 28	910	Jun 6, 1982
LOWEST DAILY MEAN	0.30	Aug 19	0.44	Oct 8	0.08	Sep 4, 1995
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 22	0.55	Oct 5	0.13	Sep 2, 1995
MAXIMUM PEAK FLOW			1,920	Sep 28	1,920	Sep 28, 2003
MAXIMUM PEAK STAGE			6.07	Sep 28	6.07	Sep 28, 4005
INSTANTANEOUS LOW FLOW			0.40	Oct 10	0.07	Sep 3, 1995
ANNUAL RUNOFF (CFSM)	0.95		2.36		1.93	
ANNUAL RUNOFF (INCHES)	12.84		32.04		26.19	
10 PERCENT EXCEEDS	24		58		46	
50 PERCENT EXCEEDS	5.2		14		9.7	
90 PERCENT EXCEEDS	0.52		3.3		1.2	



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 Rt. 191 (Mill Street) at Broad Brook, 0.5 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi².

WATER-DISCHARGE RECORDS

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 46.210 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Flow regulated by reservoir and mill upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 21	0115	*222	*2.49	Mar 18	2115	188	2.37
Jan 2	1030	195	2.35	Mar 21	0945	200	2.45
Mar 17	2115	192	2.40				

Minimum discharge, 7.1 ft³/s, on several days, gage height, 0.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	8.3	13	30	16	22	47	26	60	25	16	12
2	8.6	8.2	12	136	17	45	43	28	49	23	20	55
3	8.2	8.6	12	54	17	67	40	33	32	22	17	27
4	7.9	8.2	12	43	24	34	43	26	26	21	20	19
5	8.2	8.3	13	36	28	35	42	26	31	22	27	17
6	7.5	14	13	33	20	41	41	25	34	22	24	15
7	7.6	11	12	32	19	29	36	25	36	20	19	14
8	7.4	9.6	12	31	e15	27	37	30	51	19	29	13
9	7.2	9.2	12	30	e14	34	39	27	37	23	24	13
10	7.4	9.0	12	30	e14	33	39	25	30	23	25	12
11	8.9	9.6	12	27	e14	25	52	24	24	26	19	12
12	18	12	29	25	e14	27	79	25	24	29	18	12
13	13	24	24	24	e12	31	51	24	58	21	21	12
14	11	14	51	22	e13	25	42	23	46	19	22	18
15	9.1	11	47	21	e13	26	38	21	35	19	18	15
16	10	11	33	e19	e13	53	38	21	28	20	17	32
17	10	49	28	e18	15	108	33	20	26	21	16	16
18	9.0	41	20	e18	25	128	31	19	35	20	15	15
19	8.7	22	18	e17	16	93	31	24	35	25	15	35
20	8.4	17	65	e17	15	66	29	18	32	20	14	26
21	8.2	15	108	e17	15	159	29	21	29	18	14	17
22	7.7	20	39	e16	26	100	30	20	65	23	13	16
23	7.8	20	31	e16	106	69	30	21	98	27	13	49
24	7.3	16	27	e16	83	54	28	21	77	24	13	45
25	7.1	14	27	16	44	47	26	22	43	19	12	23
26	15	14	29	16	e26	44	35	56	35	17	12	19
27	15	16	24	16	e23	45	39	65	31	16	12	19
28	10	14	23	19	e23	39	30	35	27	16	12	63
29	8.7	13	22	16	---	43	28	33	26	15	12	67
30	8.6	13	21	16	---	92	26	26	26	15	12	30
31	8.3	---	22	15	---	61	---	26	---	14	12	---
TOTAL	288.4	460.0	823	842	680	1,702	1,132	836	1,186	644	533	738
MEAN	9.30	15.3	26.5	27.2	24.3	54.9	37.7	27.0	39.5	20.8	17.2	24.6
MAX	18	49	108	136	106	159	79	65	98	29	29	67
MIN	7.1	8.2	12	15	12	22	26	18	24	14	12	12
CFSM	0.60	0.99	1.71	1.75	1.57	3.54	2.43	1.74	2.55	1.34	1.11	1.59
IN.	0.69	1.10	1.98	2.02	1.63	4.08	2.72	2.01	2.85	1.55	1.28	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2003, BY WATER YEAR (WY)

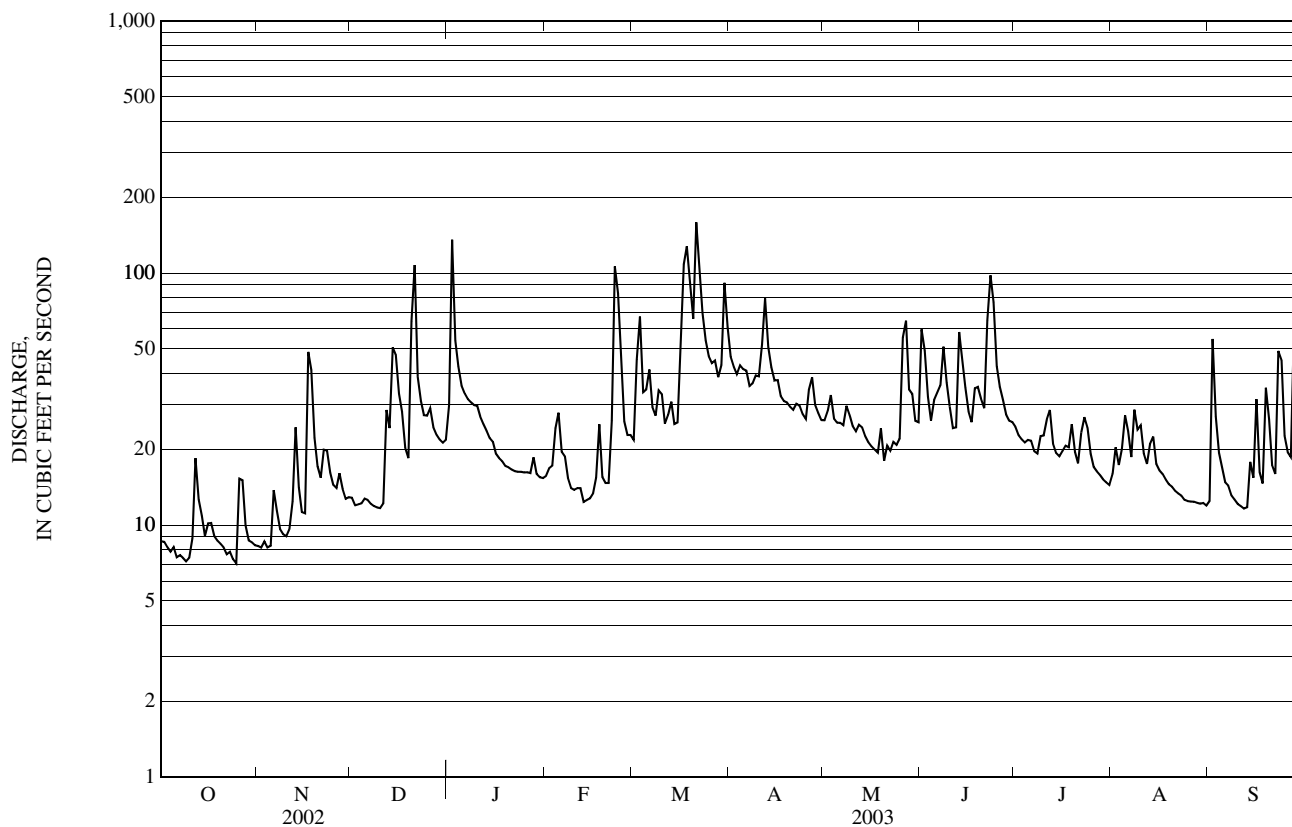
MEAN	15.8	20.0	24.3	27.1	29.4	41.3	37.0	29.4	24.8	16.4	14.7	14.9
MAX	44.3	45.8	64.7	68.5	66.4	86.2	87.5	64.1	65.4	31.3	33.1	53.8
(WY)	(1990)	(1976)	(1997)	(1976)	(1970)	(1972)	(1983)	(1984)	(1982)	(1967)	(1989)	(1975)
MIN	7.44	8.37	8.71	7.98	10.3	13.0	12.9	12.7	9.78	5.24	5.00	6.77
(WY)	(1966)	(1966)	(1966)	(1966)	(2002)	(2002)	(1966)	(1965)	(1965)	(1965)	(1965)	(1963)

e Estimated

01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1961 - 2003	
ANNUAL TOTAL	5,484.8		9,864.4		24.5	
ANNUAL MEAN	15.0		27.0		34.9	
HIGHEST ANNUAL MEAN					11.6	
LOWEST ANNUAL MEAN					11.6	
HIGHEST DAILY MEAN	108	Dec 21	159	Mar 21	487	Mar 3, 1972
LOWEST DAILY MEAN	6.4	Sep 14	7.1	Oct 25	1.7	Jul 17, 1965
ANNUAL SEVEN-DAY MINIMUM	7.1	Aug 13	7.6	Oct 4	2.9	Jul 12, 1965
MAXIMUM PEAK FLOW			222	Dec 21	1,140	Sep 27, 1975
MAXIMUM PEAK STAGE			2.49	Dec 21	6.56	Sep 27, 1975
INSTANTANEOUS LOW FLOW			a 7.1	Oct 6	1.3	Jan 1, 1965
ANNUAL RUNOFF (CFSM)	0.97		1.74		1.58	
ANNUAL RUNOFF (INCHES)	13.16		23.67		21.45	
10 PERCENT EXCEEDS	24		48		43	
50 PERCENT EXCEEDS	12		22		18	
90 PERCENT EXCEEDS	7.7		11		9.6	

a Also occurred Oct. 8-10 and Oct. 24-26.



WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 15...	1230	8.7	2.9	10.0	92	7.5	364	13.5	12.0	140	42.7	8.17	3.71
DEC 11...	1000	11	3.1	14.8	103	7.5	390	-2.5	1.0	140	43.5	8.72	3.26
FEB 06...	0915	24	11	14.6	101	7.7	343	-5.0	1.0	99	29.1	6.42	5.01
APR 03...	0900	46	2.0	12.4	102	7.4	261	7.0	7.0	79	23.1	5.16	2.33
JUN 05...	0800	36	3.7	10.0	99	7.6	282	15.5	14.5	88	25.6	5.83	2.35
JUL 14...	0800	24	3.2	9.1	97	7.9	323	20.5	19.0	110	33.8	6.66	2.66
AUG 06...	0800	29	10	8.3	92	7.8	302	26.5	20.5	100	30.4	6.08	3.17
SEP 15...	0715	14	3.2	8.7	91	7.8	356	24.0	17.5	130	39.3	7.82	3.53

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 15...	14.2	80	98	0.0	26.3	<0.17	14.4	37.2	227	217	0.32	0.39	0.14
DEC 11...	15.9	76	93	0.0	29.9	<0.17	15.0	38.8	261d	237d	0.27	0.30	0.07
FEB 06...	21.3	60	73	0.0	36.9	0.03	11.9	25.9	216	204	1.6	1.7	0.89
APR 03...	15.4	38	46	0.0	30.5	0.05	10.1	20.4	155	159	0.27	0.27	E.03
JUN 05...	14.6	55	67	0.0	27.2	<0.2	11.7	22.9	182	168	0.39	0.50	0.09
JUL 14...	14.7	66	81	0.0	28.3	<0.2	12.8	25.9	220	204	0.38	0.51	E.03
AUG 06...	13.8	64	78	0.0	27.4	<0.2	12.9	24.0	216	186	0.51	0.59	0.08
SEP 15...	14.0	76	93	0.0	28.2	<0.2	14.3	31.0	232	214	0.31	0.38	0.04

01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 15...	4.22	0.067	0.25	0.04	0.053	0.076	4.6	3.3	--	79k	7	<0.30	110
DEC 11...	5.79	0.029	0.24	0.03	0.044	0.053	6.1	2.0	--	79k	4	<0.30	123
FEB 06...	4.21	0.036	0.80	0.15	0.183	0.21	5.9	6.8	2,400	3,200	12	<0.30	94
APR 03...	3.47	0.015	--	0.03	0.047	0.056	3.7	3.8	63	128	16	<0.30	64
JUN 05...	3.30	0.046	0.41	0.06	0.085	0.113	3.8	4.2	150	260k	13	<0.30	79
JUL 14...	3.91	0.030	--	0.04	0.064	0.085	4.4	3.6	270	460	21	<0.30	77
AUG 06...	3.31	0.036	0.51	0.08	0.098	0.143	3.9	5.9	2,100	3,670	16	<0.30	85
SEP 15...	4.35	0.036	0.34	<0.18d	0.062	0.087	4.7	3.6	900	620	14	<0.30	93

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 15...	<0.06	<0.04	<0.8	0.114	0.8	45	E.04	51.4	0.4	1.20	<0.2	<1	0.34
DEC 11...	<0.06	<0.04	<0.8	0.101	0.9	20	0.09	55.7	E.3	0.91	<0.2	M	0.44
FEB 06...	<0.06	<0.04	<0.8	0.207	5.4	56	E.08	199	0.5	1.61	<0.2	2	0.24
APR 03...	<0.06	<0.04	<0.8	0.137	1.4	39	E.08	112	E.3	0.47	<0.2	1	0.18
JUN 05...	<0.06	<0.04	<0.8	0.169	1.3	101	0.08	203	E.3	0.65	<0.2	M	0.21
JUL 14...	<0.06	<0.04	<0.8	0.159	1.2	71	E.07n	110	E.3n	0.74	<0.2	<1	0.26
AUG 06...	<0.06	<0.04	<0.8	0.159	1.8	52	E.05n	106	0.4	1.24	<0.2	Mn	0.18
SEP 15...	<0.06	<0.04	<0.8	0.171	2.1	44	E.05n	99.1	E.3n	0.45	<0.2	<1	0.28

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the NDV

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 Rt. 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 mi².

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.--Records good except those for periods of estimated record, which are fair. 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 ft³/s, by slope-area measurement 1.5 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft³/s, June 24, gage height, 5.98 ft; minimum discharge, 63 ft³/s, Oct. 4, gage height, 3.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	167	268	267	159	205	363	210	183	412	331	319
2	67	166	297	273	159	215	356	221	164	411	332	246
3	67	166	314	280	153	263	351	232	156	278	330	133
4	67	194	313	275	151	282	354	219	150	208	318	127
5	68	213	314	268	153	276	351	212	155	207	308	123
6	67	218	314	224	151	321	348	210	154	207	312	119
7	78	218	313	191	150	351	362	209	165	166	308	248
8	85	217	313	191	150	347	371	211	179	142	307	304
9	84	215	306	191	149	345	370	211	171	142	307	113
10	84	214	301	192	148	326	372	209	301	143	331	100
11	86	209	297	190	148	312	429	207	404	142	204	223
12	101	206	e304	188	165	311	466	209	419	142	246	404
13	100	214	e306	192	194	312	453	209	508	141	360	406
14	80	212	e304	194	193	313	382	186	464	188	306	325
15	69	209	e304	219	193	315	343	157	434	216	212	399
16	73	209	e222	235	193	317	339	156	442	236	281	334
17	81	242	e174	235	188	252	336	155	446	267	359	295
18	74	277	e174	233	185	204	267	154	448	268	400	293
19	71	249	e174	232	185	190	227	156	446	269	412	310
20	69	242	e175	219	197	174	225	156	402	268	406	307
21	122	238	e175	209	210	297	223	156	378	261	390	297
22	156	246	e175	208	158	299	223	156	440	263	384	289
23	157	251	e175	206	152	243	222	157	429	274	382	374
24	157	240	e184	205	198	232	220	158	853	264	379	330
25	156	256	e192	206	221	243	219	158	739	259	355	299
26	160	266	e191	206	212	243	226	159	e530	291	341	308
27	160	268	e192	180	208	247	232	142	e530	306	342	301
28	165	267	e195	159	207	283	219	132	525	320	342	449
29	169	265	e197	159	---	382	211	123	468	329	342	270
30	168	265	e227	159	---	411	211	120	421	330	328	254
31	167	---	267	159	---	379	---	118	---	330	342	---
TOTAL	3,276	6,819	7,657	6,545	4,930	8,890	9,271	5,468	11,504	7,680	10,297	8,299
MEAN	106	227	247	211	176	287	309	176	383	248	332	277
MAX	169	277	314	280	221	411	466	232	853	412	412	449
MIN	67	166	174	159	148	174	211	118	150	141	204	100

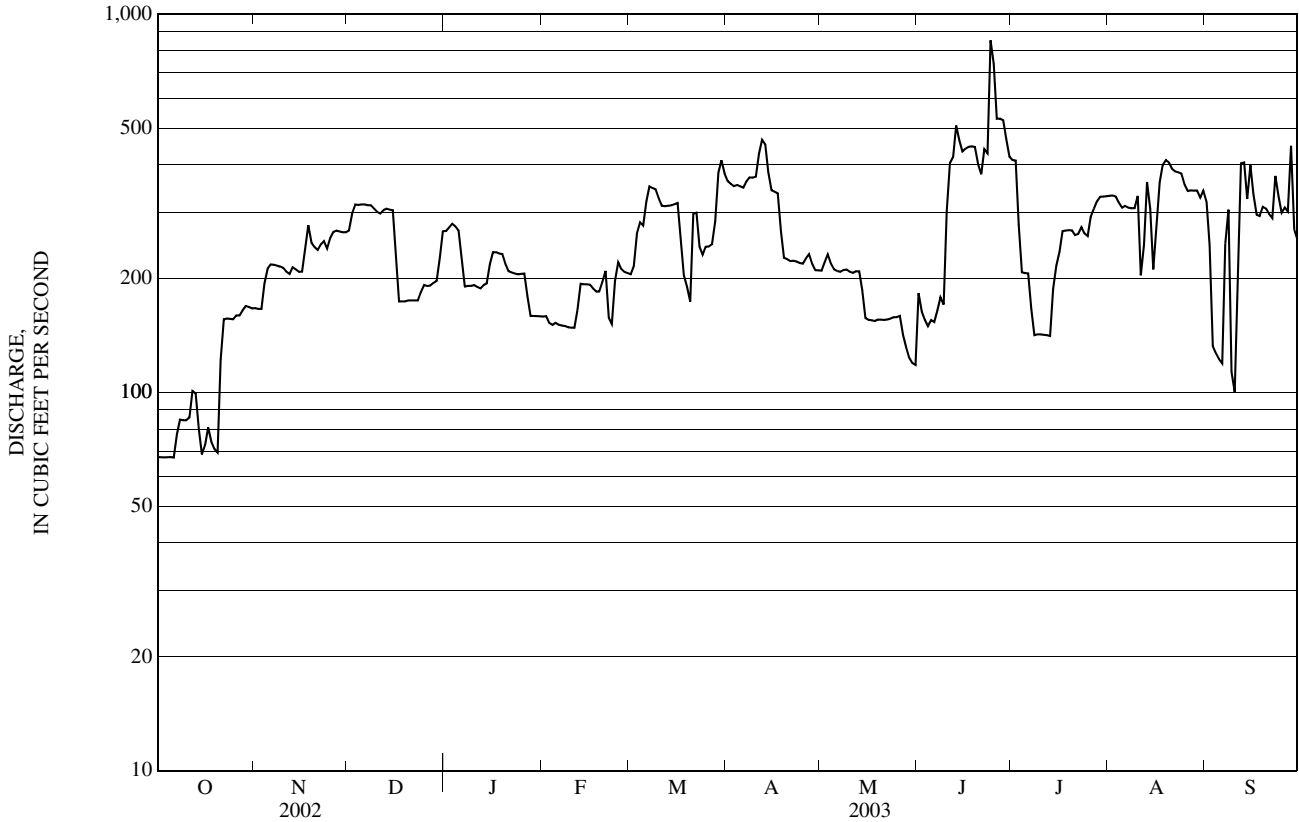
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	187	251	250	215	210	265	442	295	280	220	230	168
MAX	1,080	794	655	597	729	668	1,134	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)

e Estimated

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	58,371		90,636			
ANNUAL MEAN	160		248		251	
HIGHEST ANNUAL MEAN					384	1956
LOWEST ANNUAL MEAN					102	1965
HIGHEST DAILY MEAN	314	Dec 3	853	Jun 24	7,310	Oct 16, 1955
LOWEST DAILY MEAN	66	Sep 26	67	Oct 2	2.7	Oct 5, 1960
ANNUAL SEVEN-DAY MINIMUM	67	Sep 30	69	Oct 1	3.8	Oct 1, 1960
MAXIMUM PEAK FLOW			1,140	Jun 24	10,600	Oct 16, 1955
MAXIMUM PEAK STAGE			5.98	Jun 24	12.47	Oct 16, 1955
INSTANTANEOUS LOW FLOW			63	Oct 4	0.90	Jul 21, 1960
10 PERCENT EXCEEDS	257		382		453	
50 PERCENT EXCEEDS	156		223		200	
90 PERCENT EXCEEDS	83		142		69	



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 mi².

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, 2,460 ft³/s, Sept. 28, gage height, 6.19 ft; minimum discharge, 15 ft³/s, Oct. 10, gage height, 1.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	65	e125	223	e62	e130	425	87	711	103	28	24
2	28	97	e115	506	e60	e300	334	147	509	84	48	407
3	25	95	e105	330	e58	e250	293	254	265	77	44	332
4	20	94	e100	e250	e120	e200	300	169	201	70	76	236
5	21	94	e95	e220	e140	e180	282	127	222	65	110	156
6	23	145	e90	e190	e120	e170	258	130	236	74	132	93
7	21	155	e85	e180	e100	e160	225	123	281	58	102	68
8	19	127	e80	e170	e90	e150	205	158	436	52	81	53
9	17	108	e77	e160	e84	e140	193	178	293	64	73	44
10	16	100	e75	e150	e78	e130	197	144	211	69	237	39
11	26	100	320	e140	e72	e120	259	129	160	61	195	35
12	e70	104	177	e130	e68	e115	356	153	146	68	155	33
13	e130	191	133	e120	e64	e110	299	152	728	59	171	30
14	e100	178	429	e115	e61	e105	234	135	630	47	110	46
15	e80	138	522	e110	e58	e100	195	117	349	42	77	73
16	112	107	346	e105	e56	151	167	103	225	42	75	138
17	169	391	246	e100	e54	283	137	89	176	43	214	98
18	129	715	193	e96	e52	517	125	83	e270	43	297	e200
19	87	420	180	e92	e50	589	118	75	e320	46	165	357
20	68	318	313	e90	e48	480	111	68	e210	41	108	340
21	56	257	495	e87	e46	1,330	103	67	e370	28	78	182
22	49	325	341	e84	e45	1,640	108	62	e550	108	63	118
23	43	471	265	e80	e440	1,300	114	64	e630	192	57	e300
24	38	318	224	e78	e350	958	108	81	556	131	45	681
25	32	245	e200	e76	e260	842	98	89	315	105	38	352
26	60	e200	e180	e74	e200	745	141	348	213	77	35	335
27	75	e185	e160	e72	e170	707	199	428	166	60	32	268
28	67	e170	e150	e70	e150	545	160	292	129	46	28	1,210
29	59	e155	e145	e68	---	529	119	224	110	36	26	1,260
30	64	e140	e140	e66	---	775	97	176	108	30	26	736
31	51	---	154	e64	---	589	---	148	---	27	24	---
TOTAL	1,793	6,208	6,260	4,296	3,156	14,340	5,960	4,600	9,726	2,048	2,950	8,244
MEAN	57.8	207	202	139	113	463	199	148	324	66.1	95.2	275
MAX	169	715	522	506	440	1,640	425	428	728	192	297	1,260
MIN	16	65	75	64	45	100	97	62	108	27	24	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)

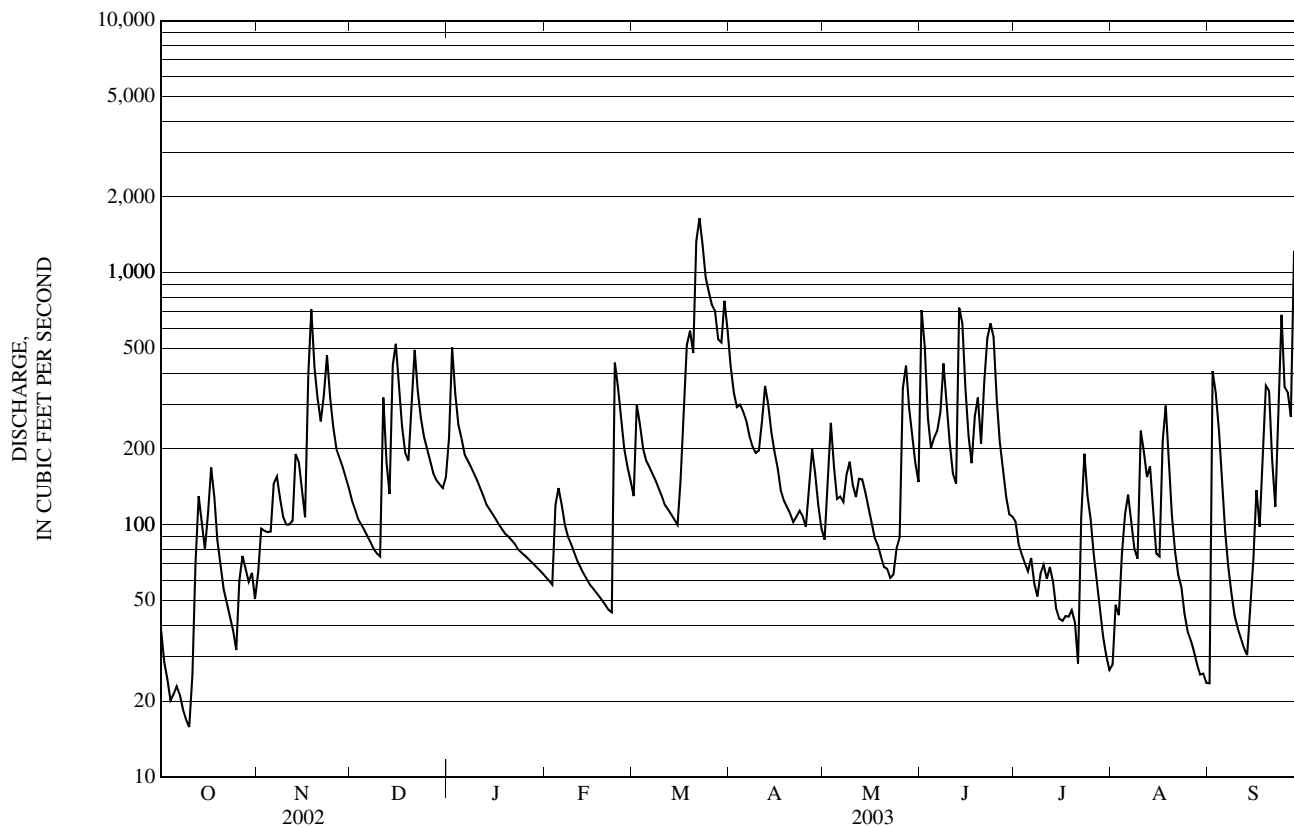
	121	166	186	189	195	304	362	202	132	59.9	79.9	78.5
MEAN	121	166	186	189	195	304	362	202	132	59.9	79.9	78.5
MAX	832	569	527	503	621	699	786	577	492	276	1,228	363
(WY)	(1956)	(1956)	(1974)	(1999)	(1981)	(1953)	(1987)	(1989)	(1972)	(1972)	(1955)	(1975)
MIN	16.8	24.6	37.5	15.7	47.9	106	92.9	59.4	28.9	12.1	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003	
ANNUAL TOTAL	40,732.2		69,581		172	
ANNUAL MEAN	112		191		269	
HIGHEST ANNUAL MEAN					62.0	1955
LOWEST ANNUAL MEAN					24,800	1965
HIGHEST DAILY MEAN	1,110	Jun 7	1,640	Mar 22		Aug 19, 1955
LOWEST DAILY MEAN	7.7	Aug 19	16	Oct 10	0.30	Sep 14, 1957
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 13	20	Oct 4	2.1	Sep 10, 1995
MAXIMUM PEAK FLOW			2,460	Sep 28	a 44,000	Aug 19, 1955
MAXIMUM PEAK STAGE			6.19	Sep 28	b 16.48	Aug 19, 1955
INSTANTANEOUS LOW FLOW			15	Oct 10	0.20	Sep 14, 1957
10 PERCENT EXCEEDS	245		412		371	
50 PERCENT EXCEEDS	77		125		100	
90 PERCENT EXCEEDS	13		44		22	

a From rating curve extended above 5,600 ft³/s on basis of slope-area measurement of peak flow.
 b From floodmarks.



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 Rt. 20, 0.5 mi upstream from confluence with Valley Brook, and 2.6 mi northeast of West Hartland.

DRAINAGE AREA.--19.9 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 21	2042	711	4.97	Sep 23	1145	704	5.01
Mar 22	1712	617	4.72	Sep 28	1345	*992	*5.72

Minimum discharge, 1.7 ft³/s, Sept. 1, gage height, 0.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	8.1	e28	55	e11	31	109	26	219	14	3.1	2.0
2	9.8	7.2	e26	103	e10	55	88	48	119	12	5.0	46
3	8.7	6.9	e24	67	e9.7	95	84	73	62	10	4.7	31
4	7.8	6.5	e22	e52	e9.4	68	98	46	41	9.1	6.6	25
5	9.0	7.2	e21	e44	e24	47	82	35	76	8.8	9.4	18
6	6.6	24	e20	e39	e20	42	71	33	71	9.1	26	12
7	4.4	28	e19	e36	e18	37	64	30	94	7.2	16	8.5
8	3.4	20	e18	e33	e16	37	58	38	127	6.6	12	6.2
9	2.6	16	e17	e30	e15	35	53	41	77	6.7	9.5	5.0
10	2.4	13	e17	e28	e14	32	56	32	54	6.9	52	4.5
11	3.2	12	e16	e26	e13	31	86	27	43	6.4	47	4.0
12	71	13	29	e24	e13	28	145	31	43	6.5	67	3.4
13	57	52	31	e23	e12	27	110	31	216	5.9	70	3.1
14	30	38	144	e21	e11	26	81	26	168	5.1	32	4.9
15	18	26	150	e20	e11	26	68	23	88	4.5	18	6.9
16	39	20	87	e19	e11	34	58	20	57	4.3	12	17
17	68	95	58	e18	e10	79	43	18	41	25	11	13
18	34	143	46	e17	e9.5	245	36	16	38	30	16	9.3
19	19	84	43	e17	e9.1	202	32	14	37	4.3	13	55
20	16	71	94	e16	e8.7	113	29	13	50	3.1	9.3	48
21	11	66	131	e16	e8.5	405	29	12	58	2.8	7.2	25
22	8.7	117	79	e15	e8.2	475	29	11	201	9.8	6.2	17
23	7.8	138	60	e14	e123	281	32	12	229	16	5.9	218
24	7.2	77	48	e14	e115	202	29	18	94	13	5.3	115
25	6.6	56	41	e13	84	212	24	20	56	20	3.5	57
26	18	47	43	e13	65	228	47	98	38	10	3.2	66
27	20	44	38	e13	47	238	81	112	28	6.9	3.1	50
28	14	39	34	e12	37	170	53	67	20	5.2	2.7	449
29	11	35	33	e12	---	212	38	48	16	3.9	2.3	201
30	9.9	e31	30	e11	---	305	30	34	15	3.2	2.2	106
31	8.9	---	35	e11	---	162	---	30	---	2.8	2.1	---
TOTAL	542.9	1,340.9	1,482	832	743.1	4,180	1,843	1,083	2,476	279.1	483.3	1,626.8
MEAN	17.5	44.7	47.8	26.8	26.5	135	61.4	34.9	82.5	9.00	15.6	54.2
MAX	71	143	150	103	123	475	145	112	229	30	70	449
MIN	2.4	6.5	16	11	8.2	26	24	11	15	2.8	2.1	2.0
CFSM	0.88	2.25	2.40	1.35	1.33	6.78	3.09	1.76	4.15	0.45	0.78	2.72
IN.	1.01	2.51	2.77	1.56	1.39	7.81	3.45	2.02	4.63	0.52	0.90	3.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

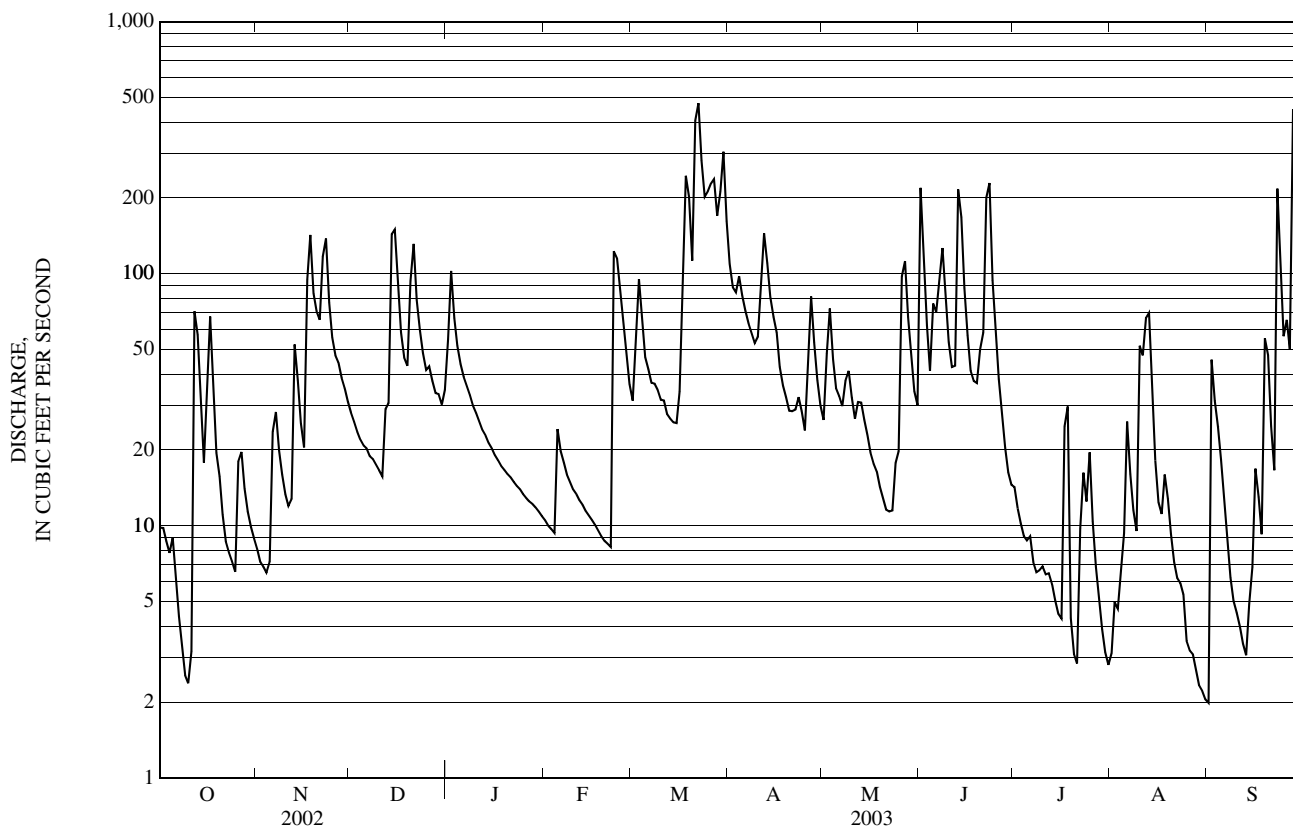
MEAN	20.9	41.0	45.4	39.6	40.3	81.9	94.0	49.7	30.0	12.2	13.5	14.2
MAX	101	103	132	117	165	193	230	145	124	61.8	270	88.7
(WY)	(1997)	(1996)	(1974)	(1996)	(1981)	(1953)	(1993)	(1989)	(1972)	(1969)	(1955)	(1975)
MIN	1.41	4.54	8.25	3.47	6.64	22.0	24.2	12.2	3.18	1.12	0.57	0.81
(WY)	(1965)	(2002)	(1947)	(1981)	(1980)	(1941)	(1999)	(1980)	(1957)	(1971)	(1957)	(1953)

e Estimated

01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	9,846.23		16,912.1			
ANNUAL MEAN	27.0		46.3		40.2	
HIGHEST ANNUAL MEAN					64.3	1955
LOWEST ANNUAL MEAN					16.2	1965
HIGHEST DAILY MEAN	325	May 14	475	Mar 22	5,000	Aug 19, 1955
LOWEST DAILY MEAN	0.38	Aug 19	2.0	Sep 1	0.19	Sep 12, 1995
ANNUAL SEVEN-DAY MINIMUM	0.49	Sep 9	2.5	Aug 26	0.21	Aug 15, 1957
MAXIMUM PEAK FLOW			992	Sep 28	a 10,500	Aug 19, 1955
MAXIMUM PEAK STAGE			5.72	Sep 28	b 16.50	Aug 19, 1955
INSTANTANEOUS LOW FLOW			1.7	Sep 1	c 0.30	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	1.36		2.33		2.02	
ANNUAL RUNOFF (INCHES)	18.41		31.61		27.44	
10 PERCENT EXCEEDS	64		109		93	
50 PERCENT EXCEEDS	18		26		20	
90 PERCENT EXCEEDS	1.4		6.2		2.4	

- a From rating curve extended above 300 ft³/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.



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 Rd. and Hotchkiss Rd., and 3 mi southwest of Collinsville.

DRAINAGE AREA.--4.10 mi².

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 estimated record, which are fair. Occasional regulation at low flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 21	0545	178	5.53	Sep 23	1500	*203	*5.72
Sep 2	1000	179	5.54	Sep 28	1630	153	5.32

Minimum discharge, 0.51 ft³/s, Oct. 4, gage height, 1.77 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	2.6	6.6	14	e3.0	e4.0	13	7.1	64	4.4	2.6	2.0
2	0.82	2.5	5.8	52	e3.2	10	12	14	29	4.1	3.1	89
3	0.74	2.3	e5.6	14	3.7	15	10	30	14	3.9	9.6	15
4	0.60	2.3	e5.4	11	5.2	e11	11	13	14	3.9	33	26
5	0.83	2.5	e5.3	9.1	6.1	e10	11	9.7	17	3.6	22	13
6	0.85	11	e5.2	8.3	4.5	e8.5	11	9.7	13	3.3	20	7.4
7	0.78	6.1	e5.0	7.6	e3.8	e8.0	10	8.5	13	3.1	7.6	5.7
8	0.70	4.2	e4.8	7.0	e3.6	e7.5	9.9	16	16	3.3	7.3	4.8
9	0.74	3.7	e4.7	7.3	e3.4	e7.0	10	14	11	4.8	6.6	4.2
10	0.64	3.3	e4.6	7.7	e3.1	e6.7	13	9.3	8.5	5.1	26	3.9
11	1.5	3.3	e4.5	6.6	e2.9	e6.5	21	8.1	7.4	4.1	9.7	3.6
12	21	5.2	8.8	e5.6	e2.7	e6.3	30	11	8.1	5.5	6.0	3.4
13	8.5	20	7.9	e5.3	e2.6	e6.1	19	10	56	3.8	5.0	3.9
14	4.5	7.5	38	e5.1	e2.4	e6.0	12	8.1	25	3.3	4.2	6.0
15	3.2	5.3	23	e4.8	e2.3	e5.8	10	7.2	13	3.2	3.5	6.2
16	12	4.8	13	e4.6	e2.2	13	8.9	6.2	9.5	3.1	3.2	18
17	17	42	9.0	e4.4	e2.1	34	8.1	6.2	8.1	3.0	12	6.7
18	6.1	44	7.3	e4.2	e2.0	48	7.5	5.9	12	2.8	14	4.8
19	3.9	17	7.2	e4.0	e1.9	32	7.3	5.4	11	4.0	5.5	29
20	3.2	11	25	e3.9	e1.9	22	7.6	5.0	9.1	3.1	4.2	13
21	2.8	8.6	21	e3.7	e2.1	118	7.2	4.8	10	2.8	3.5	7.4
22	2.5	15	10	e3.6	6.5	61	7.4	5.1	31	5.5	3.2	5.4
23	3.1	15	8.1	e3.4	23	35	7.6	6.7	32	8.5	2.9	58
24	3.7	8.9	6.9	e3.3	24	24	6.9	8.7	15	5.2	2.5	21
25	1.6	7.5	6.8	e3.2	12	20	6.3	8.4	9.6	4.0	2.4	10
26	7.9	6.6	7.2	e3.0	e7.0	17	18	35	7.5	3.1	2.3	9.2
27	5.5	7.3	6.3	e2.9	e5.5	19	23	33	6.3	2.8	2.1	8.4
28	3.8	6.7	6.0	e2.8	e4.5	14	10	17	5.1	2.5	1.9	59
29	3.2	6.5	5.6	e2.7	---	14	8.3	18	4.6	2.2	1.8	28
30	2.9	6.8	5.2	e2.6	---	30	7.6	13	4.7	2.1	2.0	14
31	2.9	---	6.7	e2.6	---	18	---	10	---	2.0	1.9	---
TOTAL	128.60	289.5	286.5	220.3	147.2	637.4	344.6	364.1	484.5	116.1	231.6	486.0
MEAN	4.15	9.65	9.24	7.11	5.26	20.6	11.5	11.7	16.1	3.75	7.47	16.2
MAX	21	44	38	52	24	118	30	35	64	8.5	33	89
MIN	0.60	2.3	4.5	2.6	1.9	4.0	6.3	4.8	4.6	2.0	1.8	2.0
CFSM	1.01	2.35	2.25	1.73	1.28	5.01	2.80	2.86	3.94	0.91	1.82	3.95
IN.	1.17	2.63	2.60	2.00	1.34	5.78	3.13	3.30	4.40	1.05	2.10	4.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

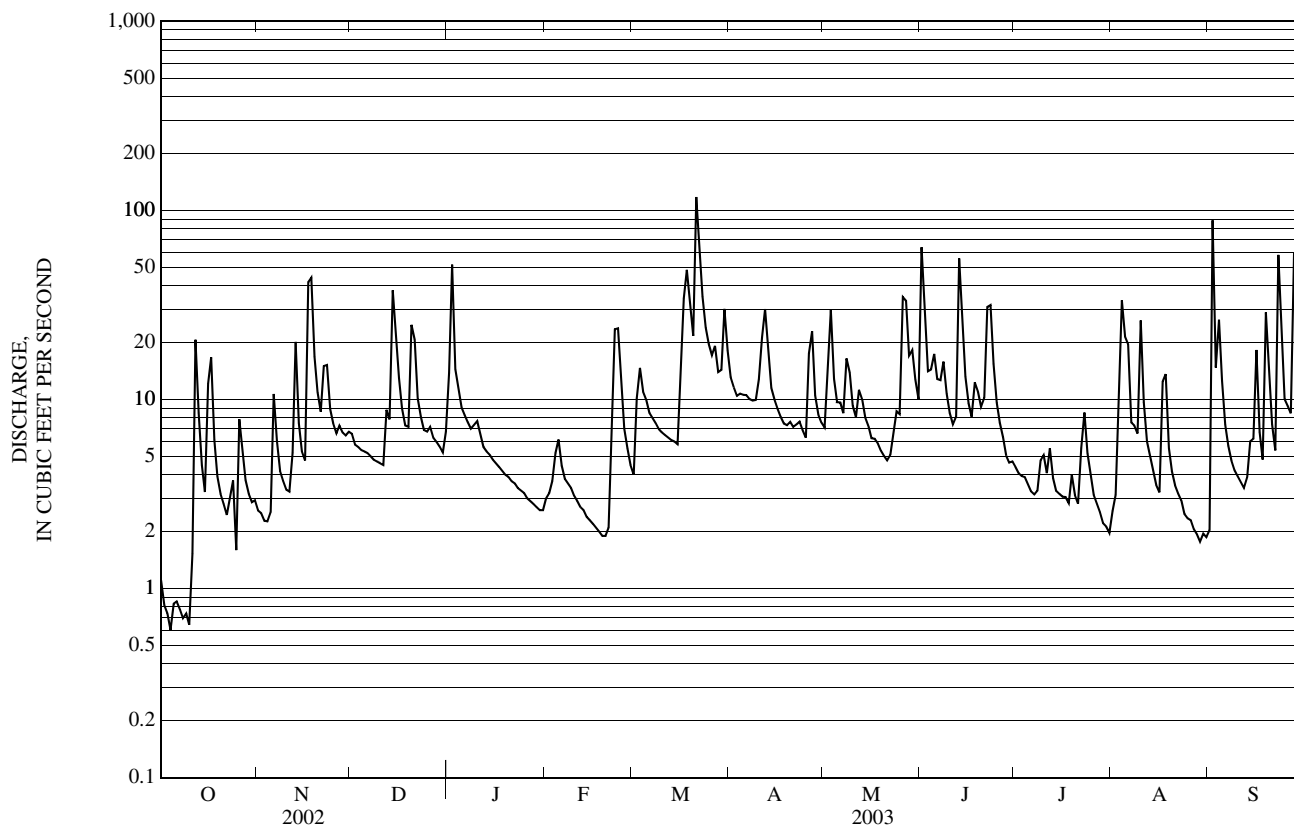
MEAN	5.28	8.13	8.89	9.16	9.02	16.2	15.0	10.3	6.70	3.77	3.86	4.21
MAX	37.6	28.4	27.1	25.7	25.0	39.4	38.8	30.1	29.2	15.2	36.0	19.7
(WY)	(1956)	(1956)	(1974)	(1996)	(1981)	(1983)	(1983)	(1989)	(1982)	(1938)	(1955)	(1999)
MIN	1.02	1.23	2.13	1.07	2.02	5.97	4.26	3.42	1.45	0.80	0.65	0.77
(WY)	(1942)	(1932)	(1932)	(1981)	(1934)	(2002)	(1985)	(1965)	(1957)	(1966)	(1999)	(1964)

e Estimated

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	1,965.21		3,736.40			
ANNUAL MEAN	5.38		10.2		8.38	
HIGHEST ANNUAL MEAN					13.2	1973
LOWEST ANNUAL MEAN					3.51	1965
HIGHEST DAILY MEAN	83	Jun 7	118	Mar 21	673	Aug 19, 1955
LOWEST DAILY MEAN	0.40	Aug 19	0.60	Oct 4	0.16	Sep 2, 1995
ANNUAL SEVEN-DAY MINIMUM	0.54	Sep 9	0.73	Oct 4	0.24	Sep 2, 1995
MAXIMUM PEAK FLOW			203	Sep 23	a 1,690	Aug 19, 1955
MAXIMUM PEAK STAGE			5.72	Sep 23	b 9.22	Aug 19, 1955
INSTANTANEOUS LOW FLOW			0.51	Oct 4	0.08	Sep 4, 1995
ANNUAL RUNOFF (CFSM)	1.31		2.50		2.04	
ANNUAL RUNOFF (INCHES)	17.83		33.90		27.76	
10 PERCENT EXCEEDS	10		22		17	
50 PERCENT EXCEEDS	3.6		6.7		4.9	
90 PERCENT EXCEEDS	0.77		2.5		1.3	

a From rating curve extended above 320 ft³/s on basis of computation of peak flow through orifice and over weir abutments at 676 ft³/s and 1,690 ft³/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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 02...	0745	0.80	2.7	8.8	94	7.2	117	18.5	17.0	24	5.88	2.23	1.58
JAN 22...	1200	E3.6	2.3	13.6	96	6.6	118	<-5.0	0.0	21	4.94	2.18	1.11
APR 01...	0915	13	1.2	13.3	100	6.8	88	0.0	2.5	14	3.13	1.47	0.86
JUL 02...	0845	4.0	3.5	9.2	9	7.1	103	25.5	18.0	21	5.20	2.04	1.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd inc tit, mg/L (00453)	Carbonate, wat fltrd inc tit, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 02...	10.5	16	20	0.0	15.3	<0.17	10.4	7.2	73	69	0.36	0.25	0.07
JAN 22...	11.3	12	15	0.0	16.6	<0.17	11.8	7.2	64	66	0.23	0.20	0.13
APR 01...	9.10	6	7	0.0	14.0	0.04	7.46	6.1	51	52	0.17	0.16	E.04
JUL 02...	11.4	16	19	0.0	15.8	<0.2	8.70	4.8	66	67	0.31	0.34	0.11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 02...	0.16	E.004	0.18	<0.02	0.007	0.012	0.41	3.4	--	257k	11	<0.30	9
JAN 22...	0.31	<0.008	0.06	<0.02	E.002	0.006	0.51	1.8	2k	2k	24	<0.30	12
APR 01...	0.17	<0.008	--	<0.02	E.004	0.008	0.33	3.6	2k	1k	52	<0.30	8
JUL 02...	0.11	<0.008	0.23	<0.02	0.006	0.016	0.46	4.3	81	64k	25	<0.30	10

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, flt'd, ug/L (01010)	Cadmium water, flt'd, ug/L (01025)	Chrom- ium, water, flt'd, ug/L (01030)	Cobalt water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Mangan- ese, water, flt'd, ug/L (01056)	Molyb- denum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 02...	<0.06	<0.04	<0.8	0.078	0.4	464	0.12	57.8	<0.3	0.40	<0.2	1	<0.02
JAN 22...	<0.06	E.04	<0.8	0.402	0.2	304	E.05	204	<0.3	0.84	<0.2	6	E.01
APR 01...	<0.06	E.02	<0.8	0.184	0.4	180	0.10	70.2	<0.3	0.54	<0.2	5	E.02
JUL 02...	<0.06	<0.04	<0.8	0.276	0.4	841	0.17	195	<0.3	0.87	<0.2	2	E.01n

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

01188090 FARMINGTON RIVER AT UNIONVILLE, CT

LOCATION.--Lat 41° 45' 21", long 72° 53' 14", Hartford County, Hydrologic Unit 01080207, at right bank upstream from steel truss highway bridge on State Rt. 177 at Unionville, 4.1 mi downstream from Burlington Brook and 3.0 mi upstream from Pequabuck River.

DRAINAGE AREA.--378 mi².

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 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, 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 ft³/s, by slope-area measurement 3.8 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,770 ft³/s, Sept. 28, gage height, 9.68 ft; minimum discharge, 92 ft³/s, Oct. 9, 10, gage height, 4.50 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	235	e505	651	e320	556	1,660	537	1,690	632	398	390
2	121	296	e495	1,450	e315	654	1,420	669	1,540	606	429	1,150
3	108	297	e485	967	e310	846	1,280	1,260	1,050	510	438	683
4	104	303	e475	823	e305	810	1,240	895	951	370	624	573
5	107	374	e470	731	397	742	1,210	725	999	355	636	433
6	101	507	e465	658	387	e705	1,130	665	962	368	687	302
7	100	496	e460	563	341	e690	1,060	690	821	334	572	287
8	105	451	e455	539	e330	e675	1,010	830	1,220	286	513	494
9	93	384	e450	537	e325	e650	971	871	1,020	337	456	520
10	142	365	e445	542	e320	e630	947	793	946	357	804	414
11	161	357	e440	497	312	e620	1,170	745	974	282	645	178
12	406	378	559	478	e305	e610	1,590	752	907	326	396	423
13	447	576	573	464	e300	e605	1,480	618	1,840	274	623	466
14	306	504	1,090	e460	e295	e600	1,240	520	1,940	288	571	494
15	194	466	1,350	e450	e290	e700	1,020	431	1,500	377	432	446
16	298	412	931	e440	e285	808	925	401	1,270	372	384	645
17	406	957	634	e430	e280	1,050	838	376	1,130	367	552	483
18	304	1,530	514	e420	e275	1,310	738	362	1,100	365	906	429
19	222	982	491	e410	e270	1,390	631	343	1,020	383	688	704
20	181	763	665	e400	e266	1,170	599	330	944	360	585	866
21	163	663	1,070	e390	e263	3,010	573	364	961	350	551	593
22	249	735	783	e380	e260	3,370	583	388	1,650	426	537	487
23	247	934	649	e370	909	2,660	606	332	2,300	596	522	1,310
24	240	752	599	e360	956	1,960	572	385	2,170	523	505	1,630
25	237	635	588	e355	e875	1,720	552	388	2,010	501	470	1,000
26	301	594	574	e350	e775	1,550	698	784	1,400	442	413	852
27	326	593	548	e345	e675	1,720	925	1,210	1,140	416	408	783
28	295	555	500	e340	629	1,740	787	853	920	403	401	2,270
29	317	534	481	e335	---	1,760	651	802	829	403	397	2,560
30	598	518	472	e330	---	2,420	578	688	709	395	391	1,620
31	489	---	542	e325	---	2,110	---	693	---	390	387	---
TOTAL	7,513	17,146	18,758	15,790	11,570	39,841	28,684	19,700	37,913	12,394	16,321	23,485
MEAN	242	572	605	509	413	1,285	956	635	1,264	400	526	783
MAX	598	1,530	1,350	1,450	956	3,370	1,660	1,260	2,300	632	906	2,560
MIN	93	235	440	325	260	556	552	330	709	274	384	178

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2003, BY WATER YEAR (WY)

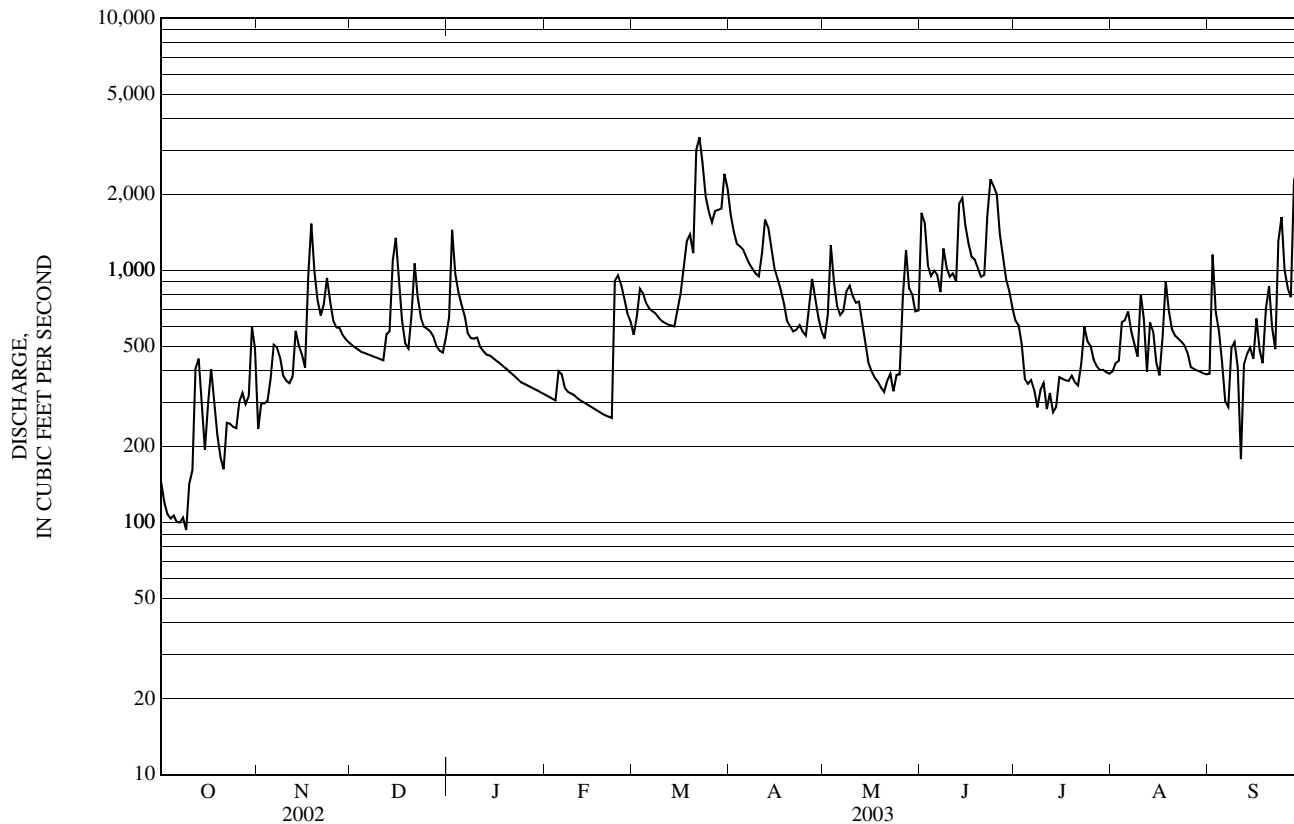
MEAN	458	578	610	650	631	986	1,249	802	717	367	420	399
MAX	1,211	1,172	2,031	1,661	1,162	1,907	2,902	1,902	2,149	717	763	783
(WY)	(1997)	(1997)	(1997)	(1978)	(1996)	(1983)	(1983)	(1989)	(1982)	(2000)	(1990)	(2003)
MIN	175	210	182	135	201	289	269	238	183	159	158	106
(WY)	(1981)	(2002)	(2002)	(1981)	(1980)	(1989)	(1985)	(1985)	(1985)	(1985)	(2002)	(2002)

e Estimated

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1978 - 2003	
ANNUAL TOTAL	128,402		249,115			
ANNUAL MEAN	352		683		655	
HIGHEST ANNUAL MEAN					954	1984
LOWEST ANNUAL MEAN					287	1985
HIGHEST DAILY MEAN	2,440	Jun 7	3,370	Mar 22	13,600	Mar 22, 1980
LOWEST DAILY MEAN	64	Sep 26	93	Oct 9	64	Sep 26, 2002
ANNUAL SEVEN-DAY MINIMUM	67	Sep 20	103	Oct 3	67	Sep 20, 2002
MAXIMUM PEAK FLOW			4,770	Sep 28	20,300	Mar 23, 1980
MAXIMUM PEAK STAGE			9.68	Sep 28	16.57	Mar 23, 1980
INSTANTANEOUS LOW FLOW			a 92	Oct 9	61	Sep 26, 2002
10 PERCENT EXCEEDS	621		1,270		1,290	
50 PERCENT EXCEEDS	305		542		464	
90 PERCENT EXCEEDS	107		296		209	

a Also occurred Oct. 10.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-80, 1984 to current year.

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 02...	0945	119	1.1	10.0	106	7.3	129	27.0	18.0	30	7.81	2.52	1.30
JAN 22...	0930	e380	2.4	14.1	105	7.0	114	<-5.0	0.0	23	5.82	2.04	0.93
APR 01...	1230	1,650	1.5	14.0	107	6.3	87	3.5	4.0	16	4.02	1.42	0.69
JUL 02...	1130	605	1.0	10.0	106	6.8	114	27.5	18.0	22	5.94	1.85	0.90

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 02...	10.8	22	27	0.0	17.2	<0.17	4.12	6.7	75	71	0.24	0.43	<0.04
JAN 22...	11.1	13	16	0.0	17.4	<0.17	6.03	6.6	57	62	0.16	0.16	<0.04
APR 01...	8.30	8	9	0.0	13.4	<0.17	5.45	6.0	50	52	0.13	0.17	<0.04
JUL 02...	12.5	11	13	0.0	20.2	<0.2	5.23	6.0	70	70	0.16	0.17	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 02...	0.17	<0.008	<0.02	0.016	0.023	0.60	4.8	--	400	8	<0.30	17	<0.06
JAN 22...	0.21	0.019	<0.02	0.009	0.014	0.37	3.9	5k	20	20	<0.30	15	<0.06
APR 01...	0.15	0.008	<0.02	0.005	0.011	0.31	3.0	2k	5k	28	<0.30	12	<0.06
JUL 02...	0.12	E.005	<0.02	0.007	0.016	0.29	3.4	21	22	22	<0.30	15	<0.06

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, flt'd, ug/L (01025)	Chrom- ium, water, flt'd, ug/L (01030)	Cobalt water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Mangan- ese, water, flt'd, ug/L (01056)	Molyb- denum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 02...	<0.04	<0.8	0.043	0.9	211	0.15	6.4	<0.3	0.38	<0.2	M	0.02
JAN 22...	<0.04	1.2	0.059	0.6	84	0.08	20.8	<0.3	0.57	<0.2	2	0.02
APR 01...	<0.04	<0.8	0.059	0.5	50	E.07n	18.7	<0.3	0.38	<0.2	3	0.02
JUL 02...	<0.04	<0.8	0.054	0.7	126	0.13	17.7	<0.3	0.47	<0.2	3	0.02

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

e -- Estimated

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 St., 0.2 mi downstream from Copper Mine Brook, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--45.8 mi².

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 ft³/s, on basis of slope-area measurement of peak flow and computation of peak flow over dam.

EXTREMES FOR CURRENT YEAR.--There were no peaks greater than the base discharge of 1,000 ft³/s. Maximum discharge, 971 ft³/s, May 26, gage height 3.76 ft; minimum discharge, 15 ft³/s, Oct. 7, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	28	61	136	49	63	150	93	372	74	54	56
2	e20	28	56	460	56	225	139	133	392	67	64	365
3	e19	28	53	210	58	146	130	176	238	64	46	112
4	e18	29	49	173	79	103	129	113	172	61	188	84
5	e17	27	e48	141	81	e95	135	100	197	58	127	74
6	e16	81	e47	129	57	e90	126	100	174	55	117	61
7	e15	35	e46	115	e53	e87	115	95	146	53	71	52
8	e15	29	e45	101	e50	e84	123	169	160	52	84	46
9	e20	28	e44	e95	e48	e81	133	121	145	55	68	39
10	21	28	e43	e90	e46	e78	132	101	121	66	256	36
11	76	29	e42	e85	e44	75	219	94	106	65	94	35
12	215	69	101	e80	e42	83	267	106	107	72	71	33
13	72	102	80	e75	e41	83	177	95	196	60	80	36
14	42	46	262	e70	e40	81	140	87	249	53	62	63
15	34	34	162	e67	e39	87	127	80	224	50	50	47
16	158	47	112	e64	e38	152	118	75	183	47	45	128
17	99	334	90	e61	e37	235	107	69	155	45	65	56
18	48	253	77	e58	e36	290	100	65	147	42	69	56
19	36	117	78	e57	43	254	99	62	151	47	54	232
20	31	89	235	e56	48	223	95	60	136	43	43	100
21	32	74	186	e55	52	664	92	64	126	40	39	69
22	30	130	116	e54	101	517	96	68	168	67	38	60
23	27	108	97	e53	326	356	94	74	230	100	36	181
24	27	77	82	e52	234	262	88	95	218	73	33	224
25	26	68	86	e51	152	207	81	77	177	59	33	147
26	93	63	91	e50	e104	194	198	400	146	50	32	103
27	42	73	80	e49	76	199	168	244	121	44	32	86
28	33	65	80	e48	68	163	114	203	103	40	30	239
29	29	63	80	e47	---	213	104	192	90	37	30	311
30	28	64	77	e47	---	275	94	133	81	35	30	212
31	28	---	88	46	---	188	---	140	---	34	29	---
TOTAL	1,388	2,246	2,794	2,875	2,098	5,853	3,890	3,684	5,231	1,708	2,070	3,343
MEAN	44.8	74.9	90.1	92.7	74.9	189	130	119	174	55.1	66.8	111
MAX	215	334	262	460	326	664	267	400	392	100	256	365
MIN	15	27	42	46	36	63	81	60	81	34	29	33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

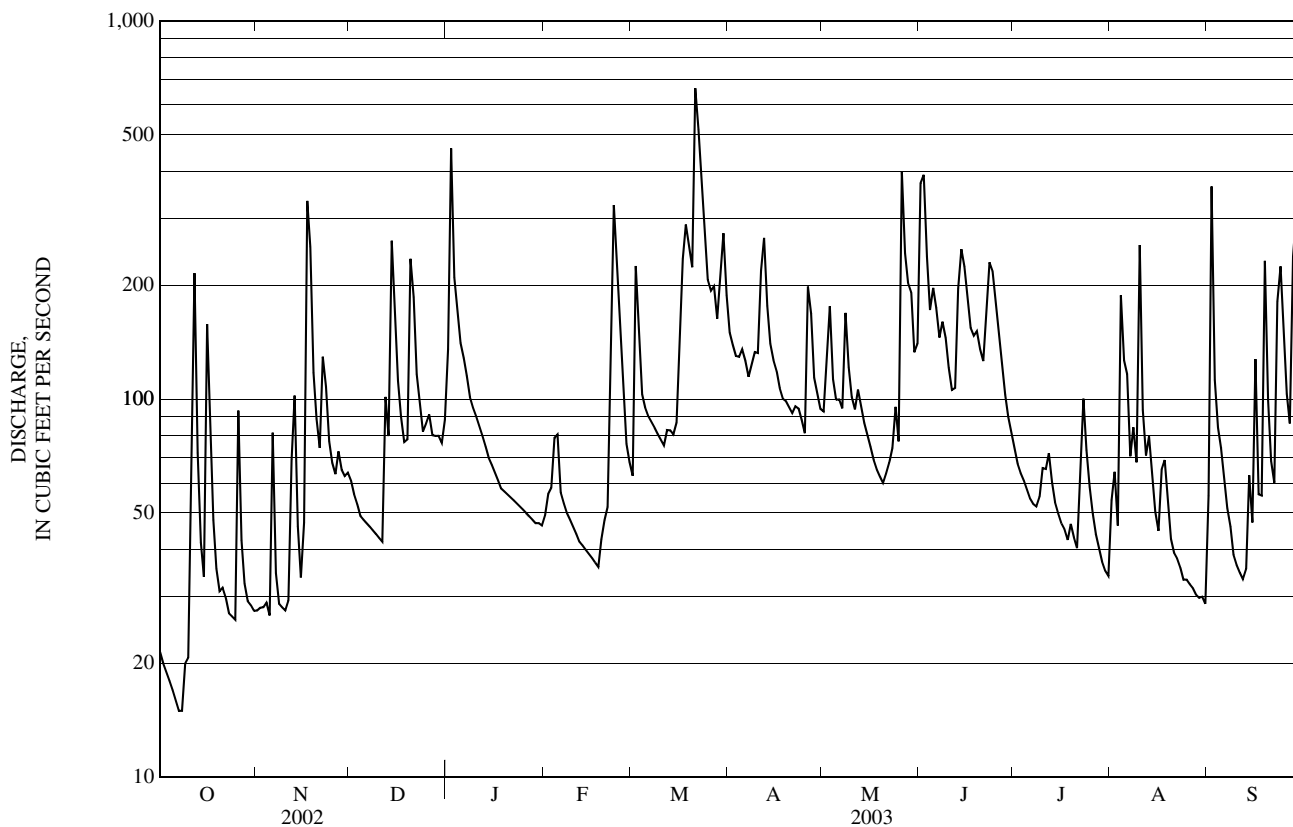
MEAN	50.3	68.8	81.8	86.5	92.1	146	142	101	71.2	42.5	43.0	41.5
MAX	372	303	247	232	214	391	463	396	368	99.4	356	167
(WY)	(1956)	(1956)	(1997)	(1979)	(1951)	(1983)	(1983)	(1989)	(1982)	(1972)	(1955)	(1975)
MIN	11.6	17.4	18.5	11.7	31.3	39.9	26.5	27.0	22.1	18.7	14.7	14.8
(WY)	(1942)	(1950)	(1981)	(1981)	(2002)	(1985)	(1985)	(1965)	(1957)	(1957)	(1944)	(1986)

e Estimated

01189000 PEQUABUCK RIVER AT FORESTVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	18,062		37,180		80.5	
ANNUAL MEAN	49.5		102		136	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					29.9	
HIGHEST DAILY MEAN	374	Jun 7	664	Mar 21	6,500	Aug 19, 1955
LOWEST DAILY MEAN	15	Oct 7	15	Oct 7	7.0	Oct 26, 1941
ANNUAL SEVEN-DAY MINIMUM	17	Oct 2	17	Oct 2	9.2	Oct 20, 1941
MAXIMUM PEAK FLOW			971	May 26	a 11,700	Aug 19, 1955
MAXIMUM PEAK STAGE			3.76	May 26	b 13.22	Aug 19, 1955
INSTANTANEOUS LOW FLOW			15	Oct 7	c 6.5	Sep 21, 1941
10 PERCENT EXCEEDS	93		212		161	
50 PERCENT EXCEEDS	33		77		50	
90 PERCENT EXCEEDS	21		33		20	

- a From rating curve extended above 2,100 ft³/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 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 mi².

PERIOD OF RECORD.--Water years 1971, 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 03...	0810	24	1.2	5.9	66	7.3	423	21.0	20.0	84	25.3	5.05	7.44
DEC 04...	1020	56	7.0	11.3	80	7.2	330	-2.5	1.5	68	20.5	4.19	4.53
FEB 03...	1045	65	8.3	10.7	79	7.1	480	5.5	3.0	68	20.2	4.19	3.81
APR 02...	1020	181	2.2	11.1	89	7.0	214	11.5	6.0	46	13.7	2.98	2.08
JUN 02...	0945	620	3.7	6.3	62	6.6	109	18.5	14.5	26	7.25	1.88	1.37
JUL 01...	0900	91	4.5	7.5	79	7.2	280	24.0	18.0	66	19.7	4.05	3.72
AUG 25...	0930	42	2.6	7.2	77	7.2	364	24.0	17.5	70	20.9	4.43	4.61
SEP 23...	0815	71	4.2	7.5	79	7.2	256	21.0	17.5	58	17.4	3.47	3.94

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, titr., mg/L (00453)	Carbonate, wat fltrd, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 03...	44.6	61	74	0.0	54.2	0.38	11.1	23.8	250	254	0.71	0.74	0.06
DEC 04...	28.4	52	63	0.0	40.0	<0.17	12.3	16.1	193	176	1.7	1.8	1.35
FEB 03...	64.3	46	56	0.0	88.9	0.14	10.8	27.6	283	269	1.6	1.8	1.29
APR 02...	19.7	26	32	0.0	34.8	0.11	8.20	10.8	125	119	0.32	0.37	0.08
JUN 02...	9.51	16	19	0.0	14.0	<0.2	6.72	6.7	77	75	0.38	0.49	E.04
JUL 01...	26.6	38	46	0.0	42.2	<0.2	10.8	13.4	163	180	0.51	0.64	0.11
AUG 25...	32.4	45	55	0.0	54.1	0.2	9.56	16.6	224	215	0.59	0.60	0.04
SEP 23...	20.6	36	44	0.0	35.3	<0.2	9.84	11.9	172	152	0.60	0.66	0.11

01189030 PEQUABUCK RIVER AT FARMINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 03...	7.03	0.048	0.69	1.30	1.34	1.46	7.8	6.4	--	94k	6	E.22	48
DEC 04...	3.27	0.860	0.44	0.50	0.54	0.66	5.1	5.8	--	466k	8	E.16	52
FEB 03...	2.61	0.459	0.50	0.34	0.40	0.50	4.4	5.8	820	980	11	E.21	56
APR 02...	1.59	0.028	0.29	0.12	0.156	0.194	2.0	4.5	22	105k	15	<0.30	36
JUN 02...	0.67	0.013	--	0.07	0.088	0.141	1.2	7.1	440	780	34	<0.30	23
JUL 01...	3.26	0.042	0.53	0.28	0.32	0.42	3.9	5.4	220	192	8	<0.30	47
AUG 25...	5.51d	0.068	0.56	0.58	0.63oc	0.68oc	6.1	7.1	290	284	5	E.15n	48
SEP 23...	3.23	0.051	0.55	0.39	0.46oc	0.53oc	3.9	4.9	150	660	8	<0.30	41

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 03...	<0.06	1.05	E.5	0.264	12.9	96	0.35	54.3	4.1	9.70	<0.2	37	0.09
DEC 04...	<0.06	0.79	<0.8	0.248	7.3	181	0.32	150	2.0	6.73	<0.2	37	0.17
FEB 03...	<0.06	0.63	E.8	0.317	6.2	144	0.41	207	2.2	6.20	<0.2	32	0.13
APR 02...	<0.06	0.67	E.6	0.188	6.1	128	0.24	67.6	0.5	3.24	<0.2	23	0.07
JUN 02...	<0.06	0.71	0.9	0.104	9.8	273	0.58	21.4	E.3	3.13	<0.2	26	0.05
JUL 01...	<0.06	0.46	E.7n	0.223	7.4	290	0.38	82.5	2.5	4.71	<0.2	15	0.06
AUG 25...	<0.06	0.42	E.5n	0.164	8.7	133	0.18	60.9	3.8	6.30	<0.2	16	0.09
SEP 23...	<0.06	0.46	0.8	0.181	7.1	188	0.34	68.3	1.8	4.84	<0.2	17	0.05

Value qualifier codes used in this table:

- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

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 Rd., 0.3 mi downstream from bridge on State Rt. 189 and 5.5 mi upstream from gage at Rainbow.

DRAINAGE AREA.--577 mi².

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 since October 1971. 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, 5,450 ft³/s, Mar. 23, gage height, 6.11 ft; minimum discharge, 195 ft³/s, Oct. 10, gage height, 0.83 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	529	858	1,030	e550	e900	2,710	975	2,250	1,040	552	518
2	245	385	824	2,220	e545	e840	2,250	1,010	959	637	1,430	
3	225	416	818	2,330	e540	1,380	1,990	1,860	2,310	917	647	1,830
4	216	417	776	1,830	e535	1,270	1,900	1,690	1,760	745	906	1,230
5	219	442	755	1,540	e530	1,210	1,860	1,330	1,730	647	1,260	930
6	e215	636	764	1,360	e670	1,130	1,800	1,170	1,760	629	1,270	701
7	e210	798	743	1,210	e630	1,090	1,660	1,110	1,590	613	1,040	535
8	e205	677	732	1,100	e600	e1,050	1,600	1,240	1,890	552	933	558
9	e200	601	721	1,070	e585	e1,020	1,550	1,410	1,840	552	845	734
10	197	539	e690	1,090	e570	e1,000	1,550	1,310	1,560	668	1,150	651
11	266	523	694	1,020	e550	e980	1,670	1,180	1,500	617	1,360	521
12	720	523	831	935	e540	e960	2,430	1,220	1,460	674	965	403
13	1,050	893	978	e875	e530	e940	2,460	1,160	2,300	603	986	617
14	723	921	1,550	e825	e520	e920	2,120	983	3,320	514	940	694
15	473	746	2,380	e800	e510	e900	1,750	899	2,780	552	811	700
16	479	666	1,980	e790	e500	1,090	1,540	786	2,160	595	663	1,040
17	1,050	1,290	1,430	e770	e490	1,610	1,400	727	1,840	600	670	970
18	791	2,550	1,060	e760	e485	2,240	1,270	681	1,720	578	1,030	730
19	545	2,190	929	e740	e480	2,550	1,130	643	1,760	607	1,080	995
20	427	1,550	1,090	e720	e475	2,280	1,050	613	1,560	581	880	1,480
21	365	1,220	1,930	e700	e470	3,630	997	585	1,520	547	777	1,160
22	386	1,230	1,730	e680	e465	5,200	989	672	2,030	614	744	855
23	415	1,520	1,340	e660	e460	5,100	1,060	653	3,340	887	715	1,360
24	397	1,410	1,140	e640	e1,150	3,950	998	708	3,100	887	679	2,810
25	382	1,140	1,060	e620	e1,650	3,070	948	799	2,980	770	653	2,150
26	476	1,010	1,080	e610	e1,340	2,650	1,060	1,140	2,300	698	599	1,500
27	632	987	1,010	e600	e1,080	2,520	1,710	2,430	1,850	624	563	1,350
28	530	958	953	e590	e971	2,570	1,510	2,040	1,500	591	548	2,540
29	470	898	902	e580	---	2,450	1,230	1,720	1,290	569	530	4,730
30	564	877	864	e570	---	3,090	1,080	1,460	1,180	557	529	3,420
31	723	---	887	e560	---	3,260	---	1,250	---	546	513	---
TOTAL	14,050	28,542	33,499	29,825	18,421	62,850	47,272	35,454	61,290	20,533	25,475	39,142
MEAN	453	951	1,081	962	658	2,027	1,576	1,144	2,043	662	822	1,305
MAX	1,050	2,550	2,380	2,330	1,650	5,200	2,710	2,430	3,340	1,040	1,360	4,730
MIN	197	385	690	560	460	840	948	585	1,180	514	513	403

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2003, BY WATER YEAR (WY)

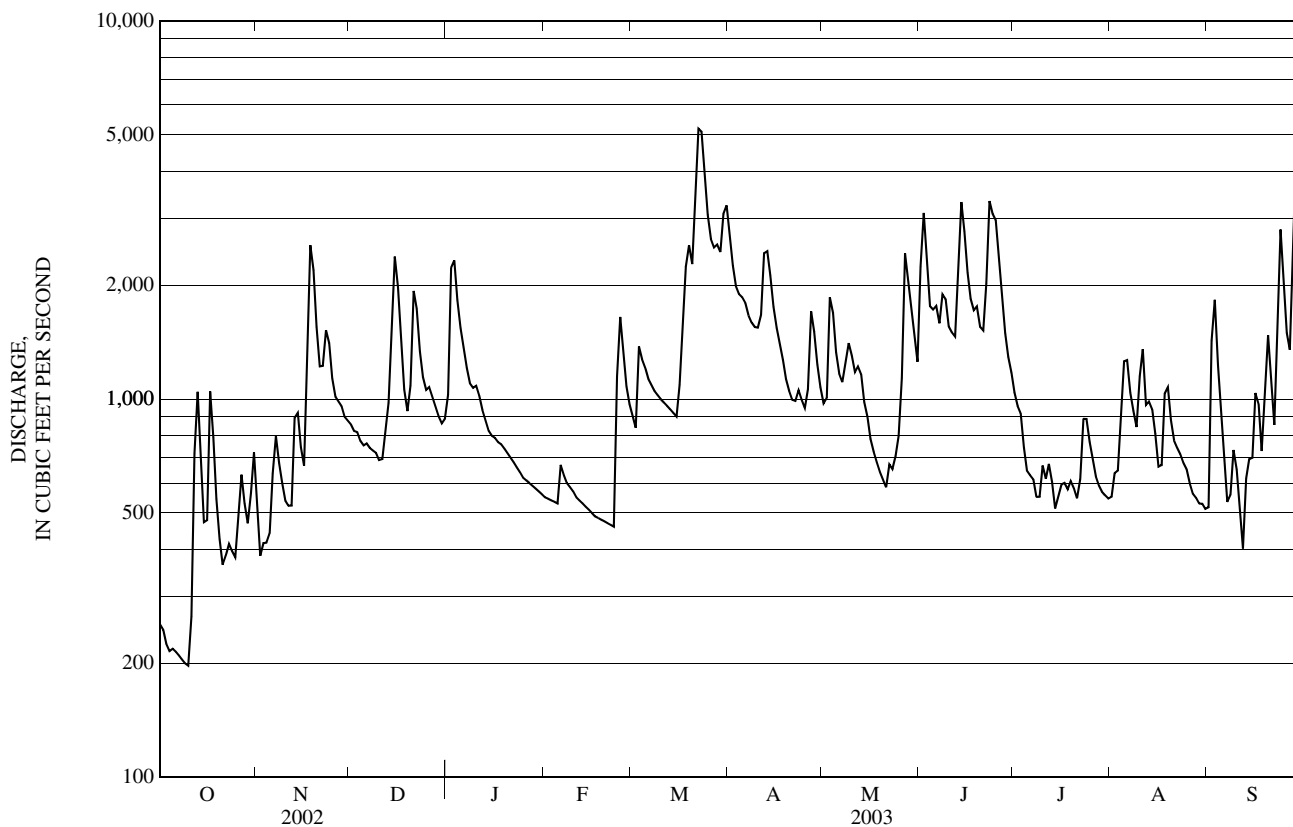
MEAN	790	972	1,154	1,182	1,208	1,831	2,112	1,442	1,205	694	658	686
MAX	2,233	1,985	3,287	2,886	2,790	3,378	4,721	3,329	3,647	2,398	1,285	1,794
(WY)	(1976)	(1996)	(1997)	(1978)	(1976)	(1983)	(1983)	(1989)	(1982)	(1972)	(1990)	(1975)
MIN	253	306	287	140	366	612	475	470	355	306	266	227
(WY)	(1981)	(2002)	(1981)	(1981)	(1980)	(2002)	(1985)	(1985)	(1985)	(1985)	(2002)	(2002)

e Estimated

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972 - 2003	
ANNUAL TOTAL	228,914		416,353		1,160	
ANNUAL MEAN	627		1,141		1,637	
HIGHEST ANNUAL MEAN					451	
LOWEST ANNUAL MEAN					1972	
HIGHEST DAILY MEAN	3,410	Jun 8	5,200	Mar 22	14,200	Mar 23, 1980
LOWEST DAILY MEAN	156	Sep 25	197	Oct 10	128	Feb 7, 1985
ANNUAL SEVEN-DAY MINIMUM	164	Sep 20	209	Oct 4	131	Jan 19, 1981
MAXIMUM PEAK FLOW			5,450	Mar 23	a 29,900	Sep 22, 1938
MAXIMUM PEAK STAGE			6.11	Mar 23	b 14.00	Sep 22, 1938
INSTANTANEOUS LOW FLOW			195	Oct 10	c 153	Sep 12, 2002
10 PERCENT EXCEEDS	1,140		2,230		2,350	
50 PERCENT EXCEEDS	505		930		794	
90 PERCENT EXCEEDS	225		514		372	

- a From computation of flow over dam 0.6 mi downstream.
- b From floodmarks.
- c Probably less than 30 ft³/s Mar. 1, 1938, river below intake.



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 03...	1145	224	0.98	8.3	92	7.2	190	19.5	20.5	46	13.5	2.87	2.20
DEC 04...	1345	778	1.4	12.7	89	6.7	158	2.0	1.5	36	10.2	2.44	1.57
FEB 03...	1400	e540	1.6	13.4	95	7.3	204	8.0	1.0	41	12.1	2.73	1.61
APR 02...	1415	2,220	1.3	12.8	101	6.5	116	9.0	5.5	25	7.20	1.81	0.94
JUN 02...	1400	3,130	6.8	9.6	95	6.8	96	21.0	14.5	24	6.50	1.79	1.01
JUL 01...	1315	1,030	3.1	9.4	101	6.9	141	30.0	19.0	35	10.4	2.24	1.12
AUG 25...	1330	652	1.6	8.3	93	7.4	155	27.0	20.5	33	9.58	2.21	1.29
SEP 23...	1115	1,020	20	9.0	99	7.0	132	20.5	18.5	29	8.20	2.09	1.44

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 03...	15.9	31	38	0.0	23.8	<0.17	5.02	9.8	108	107	0.35	0.35	0.12
DEC 04...	12.7	22	27	0.0	19.5	<0.17	6.93	8.6	88	91	0.30	0.36	0.14
FEB 03...	21.7	26	32	0.0	30.7	0.06	8.19	13.5	119	117	0.35	0.45	0.20
APR 02...	10.2	13	16	0.0	17.7	0.06	6.28	7.5	69	64	0.19	0.22	E.04
JUN 02...	8.20	14	18	0.0	12.3	<0.2	6.34	6.0	82	66	0.31	0.48	E.04
JUL 01...	12.3	21	25	0.0	21.3	<0.2	6.45	7.6	93	101	0.24	0.31	E.03
AUG 25...	12.8	23	28	0.0	23.6	<0.2	5.33	6.7	94	87	0.27	0.29	<0.04
SEP 23...	9.55	21	26	0.0	17.3	<0.2	6.23	6.3	125	85	0.33	0.66	0.05

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 03...	1.39	0.030	0.23	0.24	0.24	0.27	1.7	3.8	--	62k	5	<0.30	34
DEC 04...	0.76	0.066	0.22	0.07	0.085	0.106	1.1	3.7	--	3,400	11	<0.30	28
FEB 03...	0.99	0.066	0.25	0.09	0.098	0.116	1.4	3.2	15k	15k	12	<0.30	37
APR 02...	0.48	E.007	--	0.02	0.029	0.045	0.70	4.2	15k	37	22	<0.30	22
JUN 02...	0.34	0.009	--	0.02	0.040	0.095	0.82	6.6	500	740	33	<0.30	22
JUL 01...	0.61	E.007	--	0.04	0.056	0.085	0.93	3.9	47	79k	15	<0.30	29
AUG 25...	0.72	E.005n	--	0.07	0.082	0.106	1.0	4.0	42	68	10	<0.30	25
SEP 23...	0.61	E.007n	0.61	0.07	0.086	0.157	1.3	5.7	1,200	1,200	14	<0.30	24

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 03...	<0.06	0.12	<0.8	0.072	2.5	86	0.11	42.7	0.7	1.37	<0.2	5	0.03
DEC 04...	<0.06	0.10	<0.8	0.074	1.5	134	0.12	34.1	E.2	1.08	<0.2	6	0.04
FEB 03...	<0.06	0.10	<0.8	0.101	1.4	105	0.16	51.7	1.0	1.77	<0.2	6	0.06
APR 02...	<0.06	0.09	<0.8	0.088	1.3	65	0.11	32.2	<0.3	0.64	<0.2	5	0.03
JUN 02...	<0.06	0.11	<0.8	0.070	3.0	176	0.31	22.2	<0.3	1.08	<0.2	5	0.04
JUL 01...	<0.06	0.07	<0.8	0.080	1.4	196	0.17	28.8	E.2n	0.93	<0.2	3	0.04
AUG 25...	<0.06	0.06	<0.8	0.081	1.7	94	0.12	24.3	0.8	1.05	<0.2	3	0.04
SEP 23...	<0.06	0.05	<0.8	0.059	1.8	145	0.22	21.8	E.2n	0.80	<0.2	3	0.03

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

e -- Estimated

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 mi².

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. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 313,000 ft³/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, 92,000 ft³/s, Apr. 1, elevation, 19.14 ft; minimum tidal elevation, 0.10 ft, Oct. 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.90	0.97	3.34	1.34	4.16	2.89	4.21	3.05	3.46	2.32	4.03	2.79
2	2.72	0.32	2.61	0.70	3.40	2.28	5.47	3.87	3.05	2.24	4.02	2.57
3	3.06	0.45	3.02	0.66	3.27	1.80	5.73	4.90	2.47	1.46	4.04	2.62
4	3.46	0.99	3.32	0.63	3.28	1.73	5.35	4.46	4.08	1.98	3.38	2.54
5	3.64	0.65	3.33	0.68	3.79	2.25	4.48	3.73	3.35	1.79	3.79	2.52
6	2.90	0.10	4.61	1.67	4.06	2.41	4.49	3.52	2.31	1.28	3.68	2.38
7	3.52	0.71	3.50	1.43	3.37	1.90	3.90	3.24	2.69	1.95	3.91	2.42
8	3.26	0.28	3.41	1.79	2.39	0.99	3.77	3.15	2.95	2.20	3.90	2.53
9	3.28	0.47	3.23	1.03	2.90	0.56	3.91	2.81	2.79	1.39	3.64	1.89
10	3.15	0.50	3.49	1.22	2.91	2.18	4.14	2.95	2.64	0.96	2.79	1.64
11	3.38	0.57	3.06	1.45	3.52	1.85	3.36	2.85	2.50	1.46	2.56	1.49
12	4.25	1.39	3.60	1.70	3.91	2.80	2.92	2.37	2.93	1.43	2.58	1.56
13	3.94	2.35	3.93	3.07	3.78	2.40	2.99	1.97	2.00	0.61	3.06	1.43
14	3.28	0.90	4.70	3.18	5.05	3.21	2.87	1.88	2.02	1.06	3.01	1.92
15	3.47	1.10	4.70	4.02	4.47	4.00	3.42	2.64	2.21	1.35	2.99	1.59
16	5.46	1.61	4.20	3.38	4.99	4.23	3.55	3.09	2.13	1.02	3.18	1.51
17	5.18	2.54	5.14	3.88	4.94	4.07	4.27	3.24	3.31	1.45	4.18	2.65
18	3.82	2.03	5.16	4.60	4.74	3.77	4.01	2.55	3.51	2.22	4.53	3.63
19	3.85	1.89	5.40	4.54	4.14	2.95	4.10	2.87	3.52	2.53	6.23	4.33
20	3.02	1.29	5.48	4.73	5.54	3.39	3.53	2.62	3.42	2.19	6.53	6.05
21	3.29	1.39	4.79	4.10	5.15	4.55	2.85	1.42	3.21	2.14	8.70	6.24
22	3.23	1.22	5.47	4.14	5.38	4.73	2.57	1.83	3.86	2.23	12.38	8.70
23	2.90	0.87	5.66	4.97	5.47	4.91	2.88	1.38	4.94	3.59	14.80	12.38
24	3.14	0.82	6.02	5.66	5.23	4.41	3.16	1.85	4.80	3.52	15.18	14.80
25	3.07	0.87	6.76	6.01	6.01	4.29	3.22	2.57	3.58	2.99	15.03	14.22
26	4.37	0.82	6.70	5.76	5.65	3.46	3.18	2.31	3.85	2.76	14.69	14.10
27	3.11	0.79	5.83	4.73	3.77	2.95	3.10	1.93	3.75	3.11	16.63	14.69
28	2.88	1.18	4.80	4.20	3.99	3.04	3.10	1.51	4.09	3.13	17.14	16.63
29	3.18	1.83	4.70	3.75	4.01	3.01	3.37	2.66	---	---	16.85	15.67
30	3.33	1.60	4.22	3.26	3.60	2.38	3.43	2.60	---	---	17.33	15.69
31	3.59	1.74	---	---	4.42	2.91	3.32	2.38	---	---	19.10	17.33
MONTH	5.46	0.10	6.76	0.63	6.01	0.56	5.73	1.38	4.94	0.61	19.10	1.43

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 2002 to September 2003.

pH: May 2002 to September 2003.

WATER TEMPERATURES: May 2002 to September 2003.

DISSOLVED OXYGEN: May 2002 to September 2003.

INSTRUMENTATION.--Water-quality monitor May 2002 to September 2003.

REMARKS.--Water-quality monitor installed May 2002. Interruptions of the record due to malfunctions of the instrument and removal of equipment November to April. 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. Limited daily-value data for water year 2002 available upon request.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 204 microsiemens July 12, 2003; minimum, 89 microsiemens September 29, 2003.

pH: Maximum, 8.4 units July 8, 2003; minimum, 6.7 units September 29, 2003.

WATER TEMPERATURES: Maximum, 28.9° C July 8, 2003; minimum, 4.8° C November 24, 2002.

DISSOLVED OXYGEN: Maximum, 13.4 mg/L November 6, 2002; minimum 5.1 mg/L June 13, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 10...	1430	1.2	8.6	88	7.5	171	18.0	17.0	47	14.8	2.36	1.94	13.5
DEC 09...	1400	2.4	14.6	97	6.6	148	-5.0	0.0	37	11.7	1.90	1.48	12.0
FEB 13...	1400	1.3	13.7	94	7.4	176	<-5.0	0.0	40	12.6	2.09	1.50	16.1
APR 07...	1130	4.4	13.7	98	7.2	121	3.0	3.0	25	7.79	1.35	0.93	10.9
JUN 03...	1215	3.9	9.3	95	6.8	128	25.5	16.5	33	10.6	1.65	1.08	10.5
AUG 04...	1200	5.1	7.2	86	7.2	159	27.5	24.5	44	14.2	2.10	1.49	11.9

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfl- mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 10...	35	43	0.0	20.3	<0.17	3.20	9.8	97	102	0.26	0.29	E.03	0.53
DEC 09...	25	31	0.0	18.8	<0.17	6.61	9.5	91	88	0.29	0.34	0.12	0.42
FEB 13...	30	36	0.0	25.9	0.07	6.96	10.4	107	107	0.39	0.41	0.18	0.57
APR 07...	13	16	0.0	17.7	0.06	5.87	7.1	85	70	0.20	0.22	0.05	0.39
JUN 03...	22	27	0.0	16.5	<0.2	5.77	7.2	89	79	0.23	0.33	0.04	0.32
AUG 04...	29	36	0.0	18.7	<0.2	4.30	7.8	98	86	0.19	0.31	E.03n	0.37

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 10...	0.021	--	0.10	0.113	0.123	0.82	4.0	--	35	9	<0.30	15	<0.06
DEC 09...	E.007	0.22	0.02	0.025	0.039	0.77	3.7	--	232	20	<0.30	15	<0.06
FEB 13...	<0.008	0.22	0.02	0.027	0.038	0.98	3.2	62	72	19	<0.30	19	<0.06
APR 07...	E.006	0.17	<0.02	0.009	0.034	0.61	4.2	33	60	32	<0.30	11	<0.06
JUN 03...	E.006	0.28	<0.02	0.020	0.042	0.65	4.7	62	81k	20	<0.30	14	<0.06
AUG 04...	0.008	--	E.01n	0.025	0.064	0.69	3.8	290	1,120	9	<0.30	15	<0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 10...	E.03	<0.8	0.067	1.9	50	0.09	11.7	0.6	1.19	<0.2	2	0.08
DEC 09...	<0.04	<0.8	0.081	1.6	126	0.33	23.5	<0.3	0.95	<0.2	3	0.08
FEB 13...	<0.04	<0.8	0.103	1.2	143	0.12	36.8	E.2	1.02	<0.2	3	0.08
APR 07...	<0.04	<0.8	0.085	2.3	69	0.10	15.9	<0.3	0.40	<0.2	2	0.06
JUN 03...	<0.04	<0.8	0.072	1.2	133	0.14	11.2	<0.3	0.54	<0.2	1	0.07
AUG 04...	<0.04	<0.8	0.066	1.4	74	0.10	9.3	0.7	0.87	<0.2	2	0.06

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.7	7.8	8.2	---	---	---	---	---	---
2	---	---	---	8.2	7.0	7.5	---	---	---	---	---	---
3	---	---	---	7.8	6.8	7.3	---	---	---	---	---	---
4	---	---	---	7.4	6.8	7.1	---	---	---	---	---	---
5	20.6	18.9	19.7	8.2	6.8	7.3	---	---	---	---	---	---
6	20.6	19.1	19.7	7.8	7.0	7.3	---	---	---	---	---	---
7	19.6	18.4	19.0	7.5	6.7	7.1	---	---	---	---	---	---
8	18.4	17.5	17.9	7.4	5.9	6.6	---	---	---	---	---	---
9	17.5	16.6	17.0	7.8	6.8	7.3	---	---	---	---	---	---
10	17.1	16.8	17.0	9.8	7.5	8.3	---	---	---	---	---	---
11	17.0	16.2	16.7	11.7	9.8	10.8	---	---	---	---	---	---
12	16.3	15.6	15.9	11.6	9.5	10.2	---	---	---	---	---	---
13	16.0	15.5	15.7	9.7	9.3	9.6	---	---	---	---	---	---
14	15.8	14.7	15.1	9.3	8.8	9.1	---	---	---	---	---	---
15	14.7	13.3	13.7	9.2	8.4	8.8	---	---	---	---	---	---
16	14.1	13.3	13.6	9.1	7.5	8.2	---	---	---	---	---	---
17	13.9	13.3	13.6	7.5	6.0	6.6	---	---	---	---	---	---
18	13.7	13.2	13.4	6.7	5.3	6.0	---	---	---	---	---	---
19	13.2	12.6	12.8	5.6	5.1	5.3	---	---	---	---	---	---
20	13.2	12.4	12.8	6.0	5.4	5.7	---	---	---	---	---	---
21	12.8	11.9	12.4	5.9	5.4	5.5	---	---	---	---	---	---
22	12.1	11.0	11.6	6.0	5.7	5.8	---	---	---	---	---	---
23	11.7	10.7	11.2	6.0	5.3	5.6	---	---	---	---	---	---
24	10.9	10.0	10.5	5.3	4.8	5.1	---	---	---	---	---	---
25	10.8	10.0	10.5	---	---	---	---	---	---	---	---	---
26	10.6	10.0	10.3	---	---	---	---	---	---	---	---	---
27	11.1	9.7	10.4	---	---	---	---	---	---	---	---	---
28	10.9	9.9	10.3	---	---	---	---	---	---	---	---	---
29	9.9	9.0	9.3	---	---	---	---	---	---	---	---	---
30	9.0	8.4	8.6	---	---	---	---	---	---	---	---	---
31	8.9	7.9	8.4	---	---	---	---	---	---	---	---	---
MONTH	20.6	7.9	13.6	11.7	4.8	7.3	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	12.9	11.0	11.8
2	---	---	---	---	---	---	---	---	---	14.1	11.8	13.0
3	---	---	---	---	---	---	---	---	---	14.2	13.0	13.6
4	---	---	---	---	---	---	---	---	---	14.0	12.9	13.5
5	---	---	---	---	---	---	---	---	---	13.6	12.6	13.2
6	---	---	---	---	---	---	---	---	---	13.1	12.2	12.6
7	---	---	---	---	---	---	---	---	---	14.1	11.9	13.0
8	---	---	---	---	---	---	---	---	---	13.6	12.7	13.0
9	---	---	---	---	---	---	---	---	---	14.6	12.6	13.4
10	---	---	---	---	---	---	---	---	---	15.3	13.1	14.2
11	---	---	---	---	---	---	---	---	---	15.2	14.1	14.6
12	---	---	---	---	---	---	6.2	5.0	5.5	14.7	14.0	14.3
13	---	---	---	---	---	---	7.1	5.5	6.3	14.3	13.5	13.8
14	---	---	---	---	---	---	7.7	6.3	7.0	14.2	13.0	13.5
15	---	---	---	---	---	---	9.0	7.2	8.0	14.2	13.2	13.8
16	---	---	---	---	---	---	10.1	8.5	9.3	14.0	13.3	13.7
17	---	---	---	---	---	---	9.9	8.7	9.2	14.1	12.6	13.3
18	---	---	---	---	---	---	9.1	8.4	8.7	15.1	12.8	14.0
19	---	---	---	---	---	---	9.2	8.2	8.7	16.1	13.7	14.9
20	---	---	---	---	---	---	9.7	8.6	9.1	16.8	15.0	15.9
21	---	---	---	---	---	---	11.2	9.3	10.0	16.3	15.5	15.7
22	---	---	---	---	---	---	11.0	9.6	10.2	15.5	15.1	15.2
23	---	---	---	---	---	---	10.6	9.3	9.9	15.1	14.3	14.6
24	---	---	---	---	---	---	10.3	9.1	9.7	14.6	14.1	14.2
25	---	---	---	---	---	---	10.7	8.9	9.8	15.1	13.8	14.4
26	---	---	---	---	---	---	10.5	9.6	9.8	14.9	13.8	14.4
27	---	---	---	---	---	---	10.9	9.5	10.1	14.5	13.5	14.0
28	---	---	---	---	---	---	11.6	9.9	10.8	15.2	13.9	14.5
29	---	---	---	---	---	---	11.8	10.3	11.2	16.0	14.6	15.2
30	---	---	---	---	---	---	12.4	10.6	11.5	17.6	15.6	16.5
31	---	---	---	---	---	---	---	---	---	17.1	16.6	16.9
MONTH	---	---	---	---	---	---	12.4	5.0	9.2	17.6	11.0	14.2

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	166	145	152	---	---	---	---	---	---
2	---	---	---	165	149	153	---	---	---	---	---	---
3	---	---	---	159	144	151	---	---	---	---	---	---
4	---	---	---	161	149	154	---	---	---	---	---	---
5	177	165	169	166	150	156	---	---	---	---	---	---
6	173	166	170	174	154	164	---	---	---	---	---	---
7	182	168	173	170	155	163	---	---	---	---	---	---
8	193	170	177	165	146	153	---	---	---	---	---	---
9	178	171	174	165	149	156	---	---	---	---	---	---
10	181	170	176	162	150	154	---	---	---	---	---	---
11	189	170	177	163	152	155	---	---	---	---	---	---
12	194	169	181	166	147	154	---	---	---	---	---	---
13	189	169	181	167	140	152	---	---	---	---	---	---
14	172	156	164	164	133	146	---	---	---	---	---	---
15	159	149	153	164	130	144	---	---	---	---	---	---
16	162	149	154	159	135	144	---	---	---	---	---	---
17	158	146	151	169	135	154	---	---	---	---	---	---
18	156	147	150	193	141	164	---	---	---	---	---	---
19	160	148	151	142	118	125	---	---	---	---	---	---
20	152	144	148	123	118	120	---	---	---	---	---	---
21	156	144	147	128	119	123	---	---	---	---	---	---
22	158	142	147	136	123	127	---	---	---	---	---	---
23	167	151	155	132	117	124	---	---	---	---	---	---
24	169	154	158	118	111	113	---	---	---	---	---	---
25	173	155	161	---	---	---	---	---	---	---	---	---
26	183	159	170	---	---	---	---	---	---	---	---	---
27	178	172	174	---	---	---	---	---	---	---	---	---
28	178	158	167	---	---	---	---	---	---	---	---	---
29	166	148	156	---	---	---	---	---	---	---	---	---
30	161	144	148	---	---	---	---	---	---	---	---	---
31	171	149	154	---	---	---	---	---	---	---	---	---
MONTH	194	142	162	193	111	146	---	---	---	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	123	118	120
2	---	---	---	---	---	---	---	---	---	129	121	125
3	---	---	---	---	---	---	---	---	---	133	129	131
4	---	---	---	---	---	---	---	---	---	134	112	118
5	---	---	---	---	---	---	---	---	---	164	105	115
6	---	---	---	---	---	---	---	---	---	121	110	114
7	---	---	---	---	---	---	---	---	---	125	119	122
8	---	---	---	---	---	---	---	---	---	126	122	124
9	---	---	---	---	---	---	---	---	---	131	126	128
10	---	---	---	---	---	---	---	---	---	134	130	132
11	---	---	---	---	---	---	---	---	---	133	129	132
12	---	---	---	---	---	---	151	130	142	137	131	134
13	---	---	---	---	---	---	130	117	121	142	124	133
14	---	---	---	---	---	---	117	114	115	127	120	124
15	---	---	---	---	---	---	117	115	116	130	116	120
16	---	---	---	---	---	---	117	113	115	131	120	124
17	---	---	---	---	---	---	152	105	111	132	120	125
18	---	---	---	---	---	---	105	95	100	135	124	130
19	---	---	---	---	---	---	105	99	102	143	128	133
20	---	---	---	---	---	---	108	99	104	151	128	135
21	---	---	---	---	---	---	117	107	114	158	128	138
22	---	---	---	---	---	---	122	111	115	166	136	147
23	---	---	---	---	---	---	125	116	120	166	141	151
24	---	---	---	---	---	---	127	117	122	164	141	149
25	---	---	---	---	---	---	124	113	119	166	141	153
26	---	---	---	---	---	---	123	119	121	182	142	153
27	---	---	---	---	---	---	128	123	126	148	130	142
28	---	---	---	---	---	---	126	114	117	160	123	134
29	---	---	---	---	---	---	116	106	112	129	123	126
30	---	---	---	---	---	---	118	112	114	132	126	129
31	---	---	---	---	---	---	---	---	---	149	129	135
MONTH	---	---	---	---	---	---	152	95	116	182	105	131

CONNECTICUT RIVER BASIN

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.6	7.4	7.4	---	---	---	---	---	---
2	---	---	---	7.6	7.4	7.4	---	---	---	---	---	---
3	---	---	---	7.7	7.4	7.5	---	---	---	---	---	---
4	---	---	---	7.6	7.4	7.5	---	---	---	---	---	---
5	7.3	7.1	7.2	7.6	7.4	7.5	---	---	---	---	---	---
6	7.5	7.2	7.3	7.7	7.3	7.4	---	---	---	---	---	---
7	7.5	7.2	7.3	7.5	7.3	---	---	---	---	---	---	---
8	7.4	7.2	7.3	7.5	7.3	7.4	---	---	---	---	---	---
9	7.6	7.2	7.4	7.5	7.3	7.3	---	---	---	---	---	---
10	7.6	7.2	7.4	7.4	7.3	7.3	---	---	---	---	---	---
11	7.5	7.2	7.3	7.5	7.2	7.3	---	---	---	---	---	---
12	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
13	7.3	7.2	7.2	7.4	7.2	7.3	---	---	---	---	---	---
14	7.4	7.2	7.3	7.5	7.4	7.4	---	---	---	---	---	---
15	7.5	7.3	7.4	7.5	7.4	7.4	---	---	---	---	---	---
16	7.5	7.3	7.4	7.5	7.4	7.5	---	---	---	---	---	---
17	7.3	7.2	---	7.5	7.4	7.5	---	---	---	---	---	---
18	7.4	7.2	7.3	7.4	7.3	7.4	---	---	---	---	---	---
19	7.4	7.3	7.3	7.3	7.3	7.3	---	---	---	---	---	---
20	7.4	7.2	7.3	7.4	7.3	7.3	---	---	---	---	---	---
21	7.4	7.3	7.3	7.4	7.3	7.4	---	---	---	---	---	---
22	7.4	7.3	7.3	7.4	7.4	7.4	---	---	---	---	---	---
23	7.5	7.3	7.4	7.4	7.4	7.4	---	---	---	---	---	---
24	7.5	7.3	7.4	7.4	7.4	7.4	---	---	---	---	---	---
25	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
26	7.6	7.3	7.4	---	---	---	---	---	---	---	---	---
27	7.4	7.3	7.3	---	---	---	---	---	---	---	---	---
28	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
29	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
30	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
31	7.6	7.3	7.4	---	---	---	---	---	---	---	---	---
MONTH	7.6	7.1	7.3	7.7	7.2	7.4	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	7.4	7.3	7.4
2	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4
3	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4
4	---	---	---	---	---	---	---	---	---	7.5	7.3	7.3
5	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
6	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
7	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
8	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
9	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
10	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
11	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
12	---	---	---	---	---	---	8.3	7.2	7.6	7.6	7.3	7.4
13	---	---	---	---	---	---	7.3	7.2	7.2	7.8	7.5	7.6
14	---	---	---	---	---	---	7.3	7.2	7.2	7.8	7.6	7.7
15	---	---	---	---	---	---	7.3	7.2	7.3	8.3	7.5	7.6
16	---	---	---	---	---	---	7.3	7.2	7.3	7.8	7.6	7.6
17	---	---	---	---	---	---	7.3	7.2	7.3	8.0	7.6	7.7
18	---	---	---	---	---	---	7.3	7.3	7.3	8.1	7.6	7.8
19	---	---	---	---	---	---	7.3	7.2	7.3	8.1	7.5	7.7
20	---	---	---	---	---	---	7.3	7.2	7.2	7.9	7.4	7.6
21	---	---	---	---	---	---	7.4	7.1	7.2	7.6	7.3	7.5
22	---	---	---	---	---	---	7.5	7.1	7.3	7.7	7.3	7.4
23	---	---	---	---	---	---	7.5	7.4	7.4	7.7	7.2	7.4
24	---	---	---	---	---	---	7.5	7.4	7.4	7.5	7.2	7.3
25	---	---	---	---	---	---	7.5	7.4	7.5	7.5	7.2	7.4
26	---	---	---	---	---	---	7.5	7.4	7.5	7.4	7.2	7.3
27	---	---	---	---	---	---	7.5	7.4	7.4	7.3	7.2	7.3
28	---	---	---	---	---	---	7.5	7.3	7.4	7.3	7.1	7.3
29	---	---	---	---	---	---	7.5	7.3	7.4	7.4	7.2	7.3
30	---	---	---	---	---	---	7.4	7.3	7.3	7.4	7.3	7.3
31	---	---	---	---	---	---	---	---	---	7.3	7.2	7.2
MONTH	---	---	---	---	---	---	8.3	7.1	7.3	8.3	7.1	7.4

CONNECTICUT RIVER BASIN

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.4	11.3	11.6	---	---	---	---	---	---
2	---	---	---	12.7	11.4	11.8	---	---	---	---	---	---
3	---	---	---	12.9	11.7	12.2	---	---	---	---	---	---
4	---	---	---	13.0	11.7	12.2	---	---	---	---	---	---
5	8.0	6.8	7.4	13.2	11.8	12.2	---	---	---	---	---	---
6	8.6	7.3	7.9	13.4	11.6	12.2	---	---	---	---	---	---
7	8.9	7.6	8.3	12.3	10.9	11.7	---	---	---	---	---	---
8	9.3	7.5	8.2	11.9	11.0	11.3	---	---	---	---	---	---
9	9.7	8.0	8.7	11.9	10.7	11.0	---	---	---	---	---	---
10	9.8	8.2	9.0	11.4	10.5	10.8	---	---	---	---	---	---
11	9.4	8.0	8.6	11.2	9.4	10.1	---	---	---	---	---	---
12	8.8	8.1	8.4	10.3	9.6	9.9	---	---	---	---	---	---
13	9.1	8.2	8.5	10.1	9.6	9.8	---	---	---	---	---	---
14	9.7	8.4	8.9	10.5	9.7	10.1	---	---	---	---	---	---
15	10.0	8.9	9.3	10.7	10.0	10.4	---	---	---	---	---	---
16	10.1	8.6	9.2	10.9	10.1	10.6	---	---	---	---	---	---
17	9.6	8.4	9.1	11.1	10.5	10.9	---	---	---	---	---	---
18	9.9	8.7	9.2	11.5	10.6	11.1	---	---	---	---	---	---
19	9.8	9.0	9.4	11.8	11.5	11.7	---	---	---	---	---	---
20	10.2	9.1	9.5	11.8	11.5	11.7	---	---	---	---	---	---
21	10.3	9.4	9.8	11.8	11.4	11.6	---	---	---	---	---	---
22	10.8	9.6	10.1	11.7	11.3	11.5	---	---	---	---	---	---
23	10.8	9.8	10.2	11.8	11.3	11.5	---	---	---	---	---	---
24	11.2	10.2	10.6	12.1	11.6	11.9	---	---	---	---	---	---
25	11.2	10.2	10.7	---	---	---	---	---	---	---	---	---
26	11.5	10.3	10.8	---	---	---	---	---	---	---	---	---
27	11.1	10.2	10.6	---	---	---	---	---	---	---	---	---
28	11.7	10.3	10.9	---	---	---	---	---	---	---	---	---
29	11.7	10.7	11.1	---	---	---	---	---	---	---	---	---
30	11.9	10.9	11.3	---	---	---	---	---	---	---	---	---
31	12.3	11.1	11.5	---	---	---	---	---	---	---	---	---
MONTH	12.3	6.8	9.5	13.4	9.4	11.2	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	8.8	5.4	7.3
14	---	---	---	---	---	---	---	---	---	9.1	7.6	8.2
15	---	---	---	---	---	---	---	---	---	10.3	8.7	9.5
16	---	---	---	---	---	---	---	---	---	10.0	9.2	9.6
17	---	---	---	---	---	---	---	---	---	10.0	9.0	9.7
18	---	---	---	---	---	---	---	---	---	10.2	8.4	9.5
19	---	---	---	---	---	---	---	---	---	10.6	8.2	9.5
20	---	---	---	---	---	---	---	---	---	10.7	8.2	9.4
21	---	---	---	---	---	---	---	---	---	9.8	5.9	8.7
22	---	---	---	---	---	---	---	---	---	9.2	6.8	8.2
23	---	---	---	---	---	---	---	---	---	9.6	6.2	8.4
24	---	---	---	---	---	---	---	---	---	9.8	7.8	8.9
25	---	---	---	---	---	---	---	---	---	10.2	6.1	8.8
26	---	---	---	---	---	---	---	---	---	9.7	5.7	8.7
27	---	---	---	---	---	---	---	---	---	10.0	8.9	9.5
28	---	---	---	---	---	---	---	---	---	9.9	9.1	9.4
29	---	---	---	---	---	---	---	---	---	9.5	9.0	9.3
30	---	---	---	---	---	---	---	---	---	9.6	8.5	9.0
31	---	---	---	---	---	---	---	---	---	9.2	8.1	8.7
MONTH	---	---	---	---	---	---	---	---	---	10.7	5.4	9.0

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT

LOCATION.--Lat 41° 51'57", long 72° 29'12", Hartford County, Hydrologic Unit 01080203, at bridge on State Rt. 74 near Rockville.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--August 1968, March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 16...	0800	8.2	2.1	8.6	97	7.2	222	9.0	11.0	66	18.2	4.86	2.71
DEC 12...	0940	25	21	11.9	93	6.9	542	2.5	1.5	48	13.6	3.44	2.95
FEB 05...	0945	27	20	9.3	65	6.8	320	0.5	0.5	66	18.2	5.05	5.00
APR 08...	1045	71	1.4	13.6	101	7.0	171	2.5	3.5	33	8.88	2.66	1.77
JUN 23...	0830	123	4.2	4.8	49	7.0	161	18.0	16.0	45	12.2	3.44	3.06
JUL 09...	0945	17	3.4	6.5	72	7.2	221	22.0	20.0	61	16.9	4.65	2.46
AUG 05...	0800	33	10	3.6	41	7.0	204	25.5	21.5	51	14.4	3.70	3.73
SEP 17...	0845	50	2.6	6.2	64	6.6	137	16.5	17.5	31	8.26	2.39	1.62

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water, field, inc tit, mg/L as CaCO3 (39086)	Bicarbonate, water, field, incrm, titr., mg/L (00453)	Carbonate, water, field, incrm, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfiltered, mg/L (00500)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 16...	14.5	40	49	0.0	27.2	<0.17	7.47	15.1	124	128	0.23	0.27	E.02
DEC 12...	78.3	24	26	0.0	131	<0.17	5.46	11.1	293	280	0.49	0.60	0.24
FEB 05...	29.0	33	41	0.0	50.8	0.06	8.49	14.5	192	184	1.5	1.7	0.76
APR 08...	15.3	16	19	0.0	29.8	0.07	5.06	10.4	103	101	0.24	0.26	<0.04
JUN 23...	12.1	27	33	0.0	23.0	<0.2	6.42	8.2	103	104	0.64	0.71	0.12
JUL 09...	16.8	33	40	0.0	31.3	<0.2	9.46	11.9	134	121	0.47	0.65	0.14
AUG 05...	13.5	38	46	0.0	27.5	<0.2	8.59	10.4	149	141	0.81	0.94	0.26
SEP 17...	12.6	15	18	0.0	21.9	<0.2	5.23	9.0	89	86	0.29	0.41	<0.04

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 16...	1.19	0.021	--	0.02	0.030	0.064	1.5	4.1	--	580	3	<0.30	49
DEC 12...	0.93	0.054	0.36	0.05	0.054	0.131	1.5	5.9	--	780	11	E.17	45
FEB 05...	1.67	0.065	0.91	0.15	0.181	0.26	3.3	9.5	360k	232	20	E.18	54
APR 08...	0.79	0.009	--	E.01	0.019	0.033	1.1	4.7	37	65k	28	<0.30	29
JUN 23...	0.45	0.020	0.59	0.09	0.122	0.185	1.2	8.5	3,800	1,500k	24	<0.30	35
JUL 09...	1.16	0.028	0.52	0.03	0.049	0.128	1.8	5.5	200	460	11	<0.30	48
AUG 05...	0.58	0.036	0.68	0.09	0.122	0.22oc	1.5	10.0	8,000k	6,000k	18	<0.30	55
SEP 17...	0.16	<0.008	--	0.04	0.056	0.093	0.57	5.8	480	580	15	<0.30	32

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 16...	<0.06	<0.04	<0.8	0.120	3.0	100	0.13	60.4	E.2	0.70	<0.2	3	0.08
DEC 12...	<0.06	0.12	E.6	0.280	3.8	152	0.43	177	0.4	1.32	<0.2	18	0.05
FEB 05...	<0.06	0.08	<0.8	0.553	3.4	259	0.34	278	0.4	1.44	<0.2	13	0.08
APR 08...	<0.06	E.03	<0.8	0.094	3.3	106	0.19	26.0	<0.3	0.74	<0.2	5	0.04
JUN 23...	<0.06	E.02	E.6	0.194	3.2	652	0.72	66.6	E.3	1.04	<0.2	4	0.05
JUL 09...	<0.06	<0.04	<0.8	0.200	2.2	158	0.20	184	E.2n	0.80	<0.2	3	0.05
AUG 05...	<0.06	0.04	<0.8	0.310	3.6	406	0.61	197	0.4	0.97	<0.2	6	0.07
SEP 17...	<0.06	0.04	<0.8	0.093	6.1	196	0.41	37.7	<0.3	0.52	<0.2	5	0.03

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the NDV

o -- Result determined by alternate method

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 St., 0.2 mi upstream from bridge on Walnut St., 1.5 mi downstream from Hop Brook, and 2.8 mi east of East Hartford.

DRAINAGE AREA.--73.4 mi².

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, 987 ft³/s, Dec. 20, gage height, 6.49 ft; minimum discharge, 25 ft³/s, Oct. 11, gage height, 1.41 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	45	73	161	79	135	282	147	386	155	106	53
2	38	43	67	610	93	303	252	157	267	149	144	342
3	36	43	65	295	93	356	230	166	173	142	107	163
4	36	44	62	219	141	189	226	138	170	134	119	129
5	39	44	63	177	136	245	231	132	288	124	128	112
6	35	82	63	163	98	258	221	131	228	116	124	95
7	32	61	60	152	94	206	196	121	212	109	108	76
8	31	50	61	146	87	203	199	150	252	99	165	66
9	31	47	59	146	85	232	211	129	197	98	126	61
10	30	46	56	147	84	219	203	119	174	96	129	57
11	38	49	58	134	82	181	284	113	163	93	108	56
12	110	82	203	124	78	176	405	139	175	99	95	55
13	74	200	113	119	74	171	279	119	560	92	83	55
14	58	82	286	113	75	145	227	112	367	89	75	90
15	44	65	215	e108	74	138	206	106	245	83	69	78
16	54	64	162	e102	73	190	197	102	201	80	68	195
17	62	391	127	e99	110	289	183	101	183	68	66	107
18	49	278	103	96	e160	349	173	99	250	84	68	97
19	42	131	93	e93	e129	315	168	96	223	98	68	175
20	41	101	380	e91	81	259	162	93	193	77	63	144
21	40	86	522	e89	90	490	159	96	181	68	59	127
22	38	107	220	87	220	466	171	102	299	160	60	110
23	38	108	164	e86	620	429	162	107	432	186	56	210
24	38	82	139	85	369	373	152	114	345	127	54	156
25	38	76	137	84	221	317	146	137	229	109	54	128
26	176	72	149	84	170	278	193	388	193	90	57	114
27	101	81	123	83	150	279	200	414	173	74	55	102
28	61	74	115	e96	141	233	159	238	165	68	50	257
29	52	70	109	81	---	238	146	329	150	65	50	221
30	48	73	102	77	---	416	138	162	154	64	51	151
31	46	---	113	75	---	339	---	151	---	61	50	---
TOTAL	1,596	2,777	4,262	4,222	3,907	8,417	6,161	4,708	7,228	3,157	2,615	3,782
MEAN	51.5	92.6	137	136	140	272	205	152	241	102	84.4	126
MAX	176	391	522	610	620	490	405	414	560	186	165	342
MIN	30	43	56	75	73	135	138	93	150	61	50	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2003, BY WATER YEAR (WY)

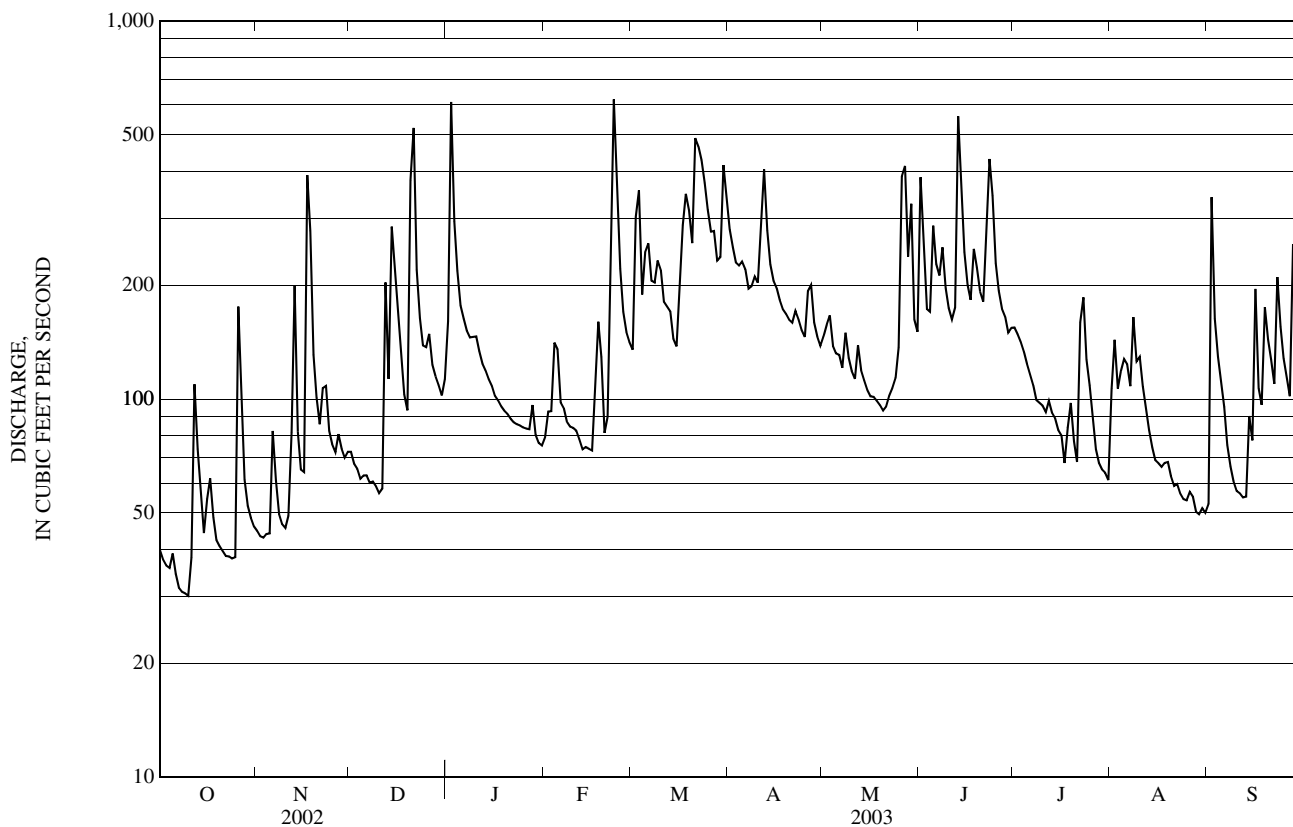
MEAN	71.7	92.5	111	129	140	197	193	140	111	74.2	71.3	71.5
MAX	284	381	352	368	371	406	430	262	448	200	289	518
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1920)	(1983)	(1984)	(1982)	(1938)	(1955)	(1938)
MIN	25.8	35.4	31.6	23.2	49.2	72.4	65.2	56.1	36.3	29.5	28.4	27.0
(WY)	(1931)	(1965)	(1931)	(1981)	(2002)	(2002)	(1985)	(1965)	(1965)	(1965)	(1966)	(1957)

e Estimated

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1920 - 2003	
ANNUAL TOTAL	28,179		52,832		117	
ANNUAL MEAN	77.2		145		55.8	
HIGHEST ANNUAL MEAN					176	1938
LOWEST ANNUAL MEAN					55.8	1965
HIGHEST DAILY MEAN	522	Dec 21	620	Feb 23	4,300	Sep 21, 1938
LOWEST DAILY MEAN	26	Aug 28	30	Oct 10	1.2	Sep 2, 1920
ANNUAL SEVEN-DAY MINIMUM	29	Aug 13	33	Oct 4	13	Sep 2, 1934
MAXIMUM PEAK FLOW			987	Dec 20	a 5,160	Sep 21, 1938
MAXIMUM PEAK STAGE			6.49	Dec 20	b 13.78	Sep 21, 1938
INSTANTANEOUS LOW FLOW			25	Oct 11	c 1.2	Sep 2, 1920
10 PERCENT EXCEEDS	138		278		221	
50 PERCENT EXCEEDS	56		114		86	
90 PERCENT EXCEEDS	34		53		39	

- a From computation of flow over dam just above gage.
- b From floodmarks.
- c Practically no flow at times caused by regulation.



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 16...	1115	50	3.7	10.0	94	7.4	395	11.5	12.5	96	30.3	4.98	4.38
DEC 12...	1400	211	9.8	13.2	101	7.0	577	6.0	4.0	87	26.3	5.06	3.99
FEB 05...	1300	118	18	13.0	100	7.4	464	1.0	4.0	83	25.3	4.68	3.43
APR 08...	1300	191	2.0	13.4	104	7.1	350	3.0	5.0	67	20.3	3.96	2.37
JUN 23...	1130	420	8.0	9.6	98	7.2	206	28.0	17.0	49	15.0	2.81	1.88
JUL 09...	1215	84	6.8	8.3	94	7.3	379	18.0	21.5	96	29.7	5.22	3.77
AUG 05...	1115	116	7.8	8.4	98	7.3	267	24.5	23.0	60	18.8	3.22	2.95
SEP 17...	1100	109	8.5	9.4	101	7.5	281	23.0	19.5	70	21.6	3.85	3.34

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 16...	30.2	62	76	0.0	51.4	0.24	10.8	28.1	228	235	0.63	0.74	0.17
DEC 12...	75.2	46	56	0.0	120	<0.17	11.0	23.9	328	319	0.85	1.1	0.40
FEB 05...	50.9	46	56	0.0	83.0	0.14	10.7	22.4	275	252	0.58	0.71	0.21
APR 08...	39.5	32	39	0.0	66.9	0.11	9.17	15.9	200	198	0.34	0.40	0.07
JUN 23...	18.9	29	36	0.0	31.9	<0.2	8.75	11.0	131	127	0.42	0.55	0.06
JUL 09...	35.4	50	61	0.0	54.9	<0.2	12.6	24.3	235	221	0.61	0.88	0.11
AUG 05...	23.5	37	45	0.0	39.6	<0.2	9.79	14.9	173	196	0.41	0.59	0.05
SEP 17...	24.6	40	49	0.0	38.0	<0.2	9.28	17.9	178	164	0.45	0.62	0.09

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 16...	4.75	0.041	0.56	0.21	0.23	0.31	5.5	5.9	--	3,100	4	0.39	66
DEC 12...	2.72	0.031	0.66	0.18	0.199	0.29	3.8	6.1	--	3,700	11	0.35	75
FEB 05...	2.68	0.046	0.50	0.15	0.179	0.23	3.4	4.8	390k	600	12	E.25	76
APR 08...	1.98	0.011	0.33	0.10	0.119	0.141	2.4	4.1	250	587	22	<0.30	59
JUN 23...	1.04	0.013	0.49	0.09	0.118	0.18	1.6	6.0	2,500	6,000	18	<0.30	41
JUL 09...	3.27	0.038	0.77	0.21	0.24	0.37	4.2	5.7	290	313	13	E.18n	72
AUG 05...	1.94	0.017	0.54	0.22	0.24oc	0.32oc	2.5	5.9	1,300	3,100	15	E.18n	54
SEP 17...	2.08	0.011	0.54	0.29	0.32oc	0.41oc	2.7	5.6	2,000	4,500	13	<0.30	58

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 16...	<0.06	<0.04	<0.8	0.168	2.4	80	0.22	93.0	1.0	1.27	<0.2	14	0.24
DEC 12...	<0.06	0.06	<0.8	0.193	3.6	108	0.39	141	0.7	1.97	<0.2	18	0.18
FEB 05...	<0.06	0.05	<0.8	0.219	4.2	96	0.30	136	0.5	1.64	<0.2	19	0.18
APR 08...	<0.06	E.03	<0.8	0.137	2.8	121	0.22	73.9	0.4	1.12	<0.2	12	0.15
JUN 23...	<0.06	E.02	0.9	0.119	4.0	301	0.57	56.9	0.3	1.03	<0.2	6	0.07
JUL 09...	<0.06	<0.04	<0.8	0.187	3.0	158	0.35	118	1.5	1.24	<0.2	11	0.16
AUG 05...	<0.06	E.02n	E.5n	0.142	4.3	181	0.56	74.1	2.1	0.86	<0.2	8	0.10
SEP 17...	<0.06	E.02n	<0.8	0.156	3.8	149	0.44	72.9	1.1	0.72	<0.2	10	0.10

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the NDV

o -- Result determined by alternate method

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 mi².

PERIOD OF RECORD.--March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 18...	0830	72	4.1	9.9	92	7.6	286	9.5	12.0	110	29.0	8.52	1.66
DEC 11...	1300	37	4.5	14.8	103	7.4	451	1.0	0.5	170	44.2	13.4	1.37
FEB 06...	1330	59	9.8	15.8	111	7.3	429	-1.0	1.5	130	34.9	10.2	1.53
APR 03...	1215	113	2.3	13.4	113	7.4	345	8.5	8.0	120	33.4	9.86	1.04
JUN 05...	1130	395	29	9.1	89	7.1	194	16.0	14.5	64	16.5	5.44	1.07
JUL 14...	1200	33	4.2	9.2	104	8.2	446	29.0	21.5	160	42.5	12.8	1.18
AUG 06...	1215	193	15	7.9	92	7.6	228	30.5	23.0	84	22.5	6.69	1.45
SEP 15...	1100	41	4.1	8.5	93	7.8	335	26.5	20.0	130	34.7	10.7	1.87

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd, mg/L (00500)	Residue on evap. at 180degC wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 18...	13.9	88	107	0.0	21.8	<0.17	10.5	19.3	177	178	0.33	0.45	0.05
DEC 11...	23.6	129	157	0.0	43.6	<0.17	14.0	22.2	263d	234d	0.34	0.30	0.10
FEB 06...	31.8	92	112	0.0	55.5	0.07	10.6	18.2	249	243	0.33	0.37	0.08
APR 03...	19.6	90	110	0.0	37.4	0.07	7.68	15.6	193	191	0.25	0.29	E.04
JUN 05...	10.1	59	72	0.0	15.5	<0.2	7.58	7.6	149	120	0.42	0.64	0.06
JUL 14...	20.1	137	167	0.0	41.2	<0.2	12.9	18.2	247	250	0.29	0.34	<0.04
AUG 06...	12.1	70	85	0.0	18.6	<0.2	9.27	9.2	163	133	0.42	0.60	E.02n
SEP 15...	15.8	102	124	0.0	30.0	<0.2	11.6	13.5	207	197	0.32	0.38	E.02n

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 18...	0.66	0.008	0.40	0.02	0.035	0.057	1.1	6.0	--	67k	4	E.19	74
DEC 11...	1.25	E.007	0.20	E.01	0.016	0.033	1.5	3.6	--	59	2	<0.30	117
FEB 06...	1.08	0.009	0.29	<0.02	0.010	0.039	1.5	4.0	18k	41	5	E.24	93
APR 03...	0.77	E.005	--	<0.02	0.014	0.027	1.1	4.5	320k	400	5	<0.30	74
JUN 05...	0.38	0.012	0.58	0.03	0.049	0.118	1.0	7.4	4,300	8,700k	15	<0.30	45
JUL 14...	1.03	0.018	--	0.04	0.054	0.086	1.4	3.6	94k	144	3	<0.30	107
AUG 06...	0.43	0.010	--	0.04	0.064	0.120	1.0	8.3	2,500	8,700k	8	E.16n	58
SEP 15...	0.63	E.005n	--	<0.18d	0.044	0.072	1.0	4.9	760	1,300	4	<0.30	87

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 18...	<0.06	E.03	E.4	0.107	3.3	77	0.13	47.1	0.6	2.65	<0.2	4	0.24
DEC 11...	0.08	0.06	<0.8	0.171	1.6	57	0.14	115	0.5	2.10	<0.2	4	0.64
FEB 06...	<0.06	0.07	<0.8	0.195	2.5	83	0.22	127	0.7	2.69	<0.2	5	0.44
APR 03...	<0.06	E.04	<0.8	0.193	2.0	100	0.09	103	0.4	1.40	<0.2	3	0.39
JUN 05...	<0.06	E.03	<0.8	0.136	3.3	158	0.24	52.2	0.4	1.40	<0.2	3	0.12
JUL 14...	<0.06	0.04	<0.8	0.184	1.9	79	0.13	79.5	0.8	2.01	<0.2	Mn	0.59
AUG 06...	<0.06	E.03n	<0.8	0.124	3.4	123	0.21	55.8	0.7	2.17	<0.2	2	0.14
SEP 15...	<0.06	E.04n	<0.8	0.135	2.6	49	0.12	44.4	0.6	1.51	<0.2	Mn	0.29

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the NDV

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 Rd., 0.5 mi northeast of Middlefield, and 0.75 mi upstream from Wadsworth Falls.

DRAINAGE AREA.--29.8 mi².

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, 417 ft³/s, Mar. 22, gage height, 7.97 ft; minimum discharge, 2.2 ft³/s, Aug. 29, gage height, 4.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	22	e62	96	e12	73	141	63	146	29	7.0	3.6
2	14	19	e55	300	e12	93	111	60	174	26	22	51
3	11	18	e48	340	e11	193	93	55	142	24	29	53
4	9.3	17	e42	272	53	211	84	49	125	23	30	47
5	9.2	17	e37	216	77	142	80	43	262	21	24	33
6	8.7	31	e35	e160	68	94	78	40	251	20	22	21
7	8.0	45	e33	e130	45	e85	70	38	198	18	19	15
8	7.7	43	e31	e110	32	e80	68	51	176	17	46	11
9	7.7	35	e29	e90	e29	e75	75	55	147	16	55	9.2
10	7.9	29	e28	e75	e27	e70	92	49	116	17	62	5.2
11	10	27	e27	e60	e25	e66	123	41	90	18	60	5.3
12	42	31	80	e55	e23	e63	282	38	77	19	51	4.1
13	66	82	124	e48	e21	e60	286	36	150	18	40	3.7
14	65	101	212	e42	e20	e57	203	34	219	16	31	9.6
15	51	90	265	e37	e19	e54	142	32	221	14	22	13
16	44	70	235	e32	e18	e51	108	29	178	13	20	77
17	46	178	180	e28	e17	185	86	26	137	13	25	71
18	42	296	149	e26	e16	262	73	24	134	13	23	56
19	35	279	114	e24	e15	251	64	22	148	13	20	52
20	28	208	161	e22	e15	199	58	20	134	11	17	45
21	23	142	316	e20	e14	328	53	20	113	9.9	14	36
22	19	114	317	e18	e14	395	58	23	112	11	11	27
23	17	112	247	e17	39	300	64	30	132	15	9.8	59
24	16	96	182	e16	214	214	60	39	117	14	8.4	91
25	15	78	151	e16	298	155	52	42	95	13	7.0	80
26	37	65	e140	e15	301	121	64	123	75	11	6.4	61
27	59	66	e120	e15	298	109	122	297	58	9.2	5.3	42
28	60	63	e100	e14	199	98	123	281	45	8.0	3.3	176
29	48	58	e85	e14	---	93	91	211	36	7.1	2.5	348
30	35	e52	75	e13	---	148	72	143	31	6.1	3.7	280
31	26	---	71	e13	---	175	---	100	---	5.1	3.1	---
TOTAL	885.5	2,484	3,751	2,334	1,932	4,500	3,076	2,114	4,039	468.4	699.5	1,785.7
MEAN	28.6	82.8	121	75.3	69.0	145	103	68.2	135	15.1	22.6	59.5
MAX	66	296	317	340	301	395	286	297	262	29	62	348
MIN	7.7	17	27	13	11	51	52	20	31	5.1	2.5	3.6
CFSM	0.96	2.78	4.06	2.53	2.32	4.87	3.44	2.29	4.52	0.51	0.76	2.00
IN.	1.11	3.10	4.68	2.91	2.41	5.62	3.84	2.64	5.04	0.58	0.87	2.23

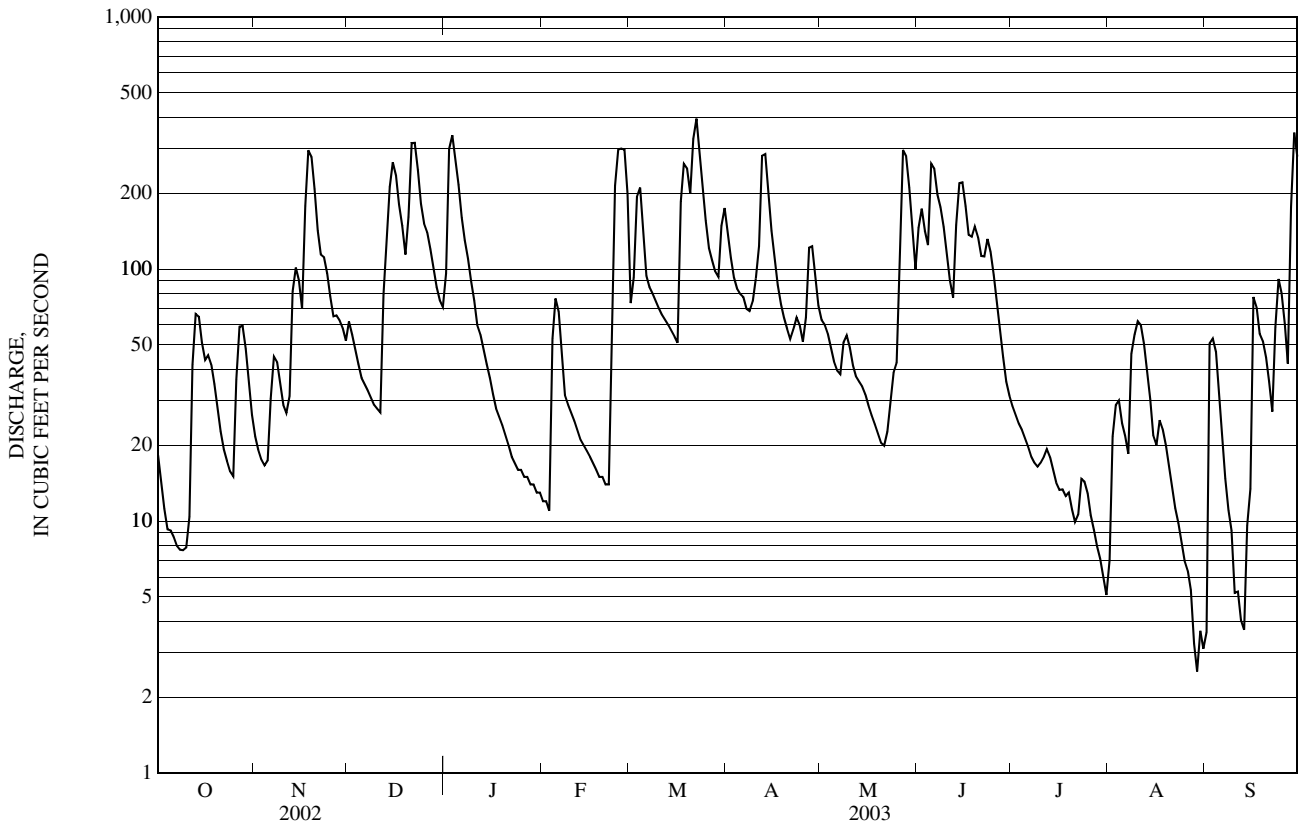
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	33.8	59.2	79.9	75.8	87.4	107	101	60.2	57.2	16.9	21.2	16.6
MAX	130	121	237	144	162	206	284	172	242	61.3	73.6	59.5
(WY)	(1990)	(1997)	(1997)	(1982)	(1981)	(1983)	(1983)	(1989)	(1982)	(1984)	(1991)	(2003)
MIN	4.43	8.85	14.1	8.43	22.5	47.8	25.4	16.2	5.20	2.45	1.73	2.56
(WY)	(1998)	(2002)	(2002)	(1981)	(2002)	(1981)	(1985)	(1986)	(1988)	(1987)	(2002)	(1995)

e Estimated

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	16,810.47		28,069.1		60.3	
ANNUAL MEAN	46.1		76.9		95.6	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	317	Dec 22	395	Mar 22	1,670	Jun 6, 1982
LOWEST DAILY MEAN	0.26	Aug 19	2.5	Aug 29	0.26	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	0.28	Aug 13	4.0	Aug 26	0.28	Aug 13, 2002
MAXIMUM PEAK FLOW			417	Mar 22	2,260	Apr 16, 1996
MAXIMUM PEAK STAGE			7.97	Mar 22	12.46	Apr 16, 1996
INSTANTANEOUS LOW FLOW			2.2	Aug 29	0.25	Aug 19, 2002
ANNUAL RUNOFF (CF5M)	1.55		2.58		2.02	
ANNUAL RUNOFF (INCHES)	20.98		35.04		27.50	
10 PERCENT EXCEEDS	114		201		139	
50 PERCENT EXCEEDS	29		49		36	
90 PERCENT EXCEEDS	3.2		11		4.8	



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 mi².

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. Telephone telemetry at station..

REMARKS.--Prior to 1994 water year, volume discharge records are available.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 186,000 ft³/s June 2, 1984, gage height, 31.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 267,000 ft³/s Mar. 21, 1936, gage height, 38.2 ft, from rating curve extended above 125,000 ft³/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, 88,600 ft³/s, Apr. 1-2, elevation, 10.82 ft.; minimum tidal elevation, -0.33 ft, Jan. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.03	0.53	2.43	0.77	2.88	0.67	3.19	1.38	2.40	0.78	2.74	1.45
2	1.95	0.33	1.85	0.14	2.18	0.29	3.88	2.34	2.12	0.47	2.87	1.32
3	2.31	0.51	2.16	0.32	2.07	0.19	4.47	2.51	1.55	0.19	2.90	0.45
4	2.74	1.00	2.39	0.47	2.09	0.04	4.17	2.26	2.88	0.65	1.91	0.77
5	2.86	0.74	2.51	0.51	2.61	0.45	3.39	1.76	1.81	-0.13	2.27	0.99
6	1.95	0.15	3.75	1.46	3.14	1.17	3.33	1.74	1.06	-0.20	2.62	1.22
7	2.82	0.90	2.63	0.65	2.51	0.61	2.84	1.38	1.56	0.10	2.28	1.23
8	2.29	0.36	2.52	0.79	1.65	0.01	2.83	1.40	1.60	0.36	2.49	1.09
9	2.45	0.48	2.29	0.34	1.68	-0.24	3.03	1.31	1.37	0.13	2.49	1.02
10	2.36	0.56	2.65	0.75	1.89	0.49	3.29	1.43	1.79	-0.11	1.78	0.51
11	2.61	0.66	2.35	1.00	2.63	0.35	2.31	0.73	1.55	0.24	1.59	0.35
12	3.47	1.25	2.39	0.66	3.20	1.13	1.62	0.33	2.08	0.11	---	---
13	3.18	1.54	2.59	1.34	2.81	0.95	1.93	0.36	1.03	-0.26	---	---
14	2.32	0.39	2.72	1.30	3.93	1.68	1.35	0.01	1.05	-0.17	1.92	0.68
15	2.80	0.89	2.88	1.58	2.71	1.47	1.87	0.59	1.19	0.01	1.99	0.87
16	4.87	1.31	2.95	1.24	3.38	1.76	2.03	0.48	1.28	-0.15	2.22	0.92
17	4.20	1.43	4.08	2.27	3.28	1.56	2.54	0.90	2.41	0.47	2.89	1.45
18	3.03	0.99	3.48	1.32	3.23	1.60	2.69	1.12	2.80	1.41	3.25	2.05
19	2.85	1.03	2.75	1.10	2.75	1.21	2.78	1.29	2.52	1.35	3.84	2.47
20	2.13	0.44	3.55	1.97	4.03	1.63	2.07	0.45	2.48	0.80	4.03	2.86
21	2.40	0.69	3.30	1.73	3.53	1.75	1.09	-0.11	2.18	0.80	4.57	3.11
22	2.24	0.63	3.77	1.93	3.24	1.67	0.88	-0.33	2.47	0.83	5.69	3.84
23	1.93	0.30	3.34	1.35	3.05	1.83	---	---	3.39	1.88	7.09	5.62
24	2.09	0.20	2.46	1.37	2.75	1.52	---	---	2.77	1.54	7.82	7.09
25	2.19	0.47	3.24	1.62	4.76	1.58	2.04	0.70	1.64	0.57	7.89	7.45
26	3.69	0.62	3.33	2.39	3.60	1.20	1.77	0.56	2.03	0.53	7.49	7.27
27	1.75	0.37	3.24	2.10	2.50	0.96	---	---	2.33	1.30	8.41	7.44
28	1.93	0.43	2.66	1.50	2.78	1.22	---	---	2.89	1.53	9.18	8.41
29	2.35	0.66	2.74	1.42	3.04	1.15	1.77	0.42	---	---	9.18	8.58
30	2.49	0.77	3.10	1.27	2.60	0.79	2.01	0.55	---	---	8.97	8.45
31	2.68	0.99	---	---	3.40	1.27	2.14	0.63	---	---	10.40	8.97
MONTH	4.87	0.15	4.08	0.14	4.76	-0.24	4.47	-0.33	3.39	-0.26	10.40	0.35

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 mi² rev.

PERIOD OF RECORD.--Water year 1967 to Feb. 2003 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1970, October 1973 to June 1976, June 1978 to September 2002 (discontinued).

pH: October 1967 to September 1970, October 1973 to June 1976, June 1978 to September 2002 (discontinued).

WATER TEMPERATURES: October 1967 to September 1970, October 1973 to June 1976, June 1978 to September 2002 (discontinued).

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 September 2002 (discontinued).

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. Limited daily value data for water year 2002 available upon request.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 10...	1000	1.7	6.8	72	7.4	182	16.0	18.5	48	15.0	2.51	2.08	14.5
DEC 09...	1145	1.3	13.6	93	6.6	163	-6.0	1.0	41	12.7	2.22	1.51	14.1
FEB 12...	1230	1.9	13.6	95	6.7	203	-4.0	0.5	45	13.7	2.47	1.57	18.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfltrd, mg/L (00500)	Residue on evap. at 180degC, wat flt, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)
OCT 10...	37	42	0.0	21.7	<0.17	3.75	10.7	105	105	0.40	0.44	0.16	0.68
DEC 09...	28	34	0.0	22.2	<0.17	6.64	10.1	96	98	0.39	0.43	0.20	0.50
FEB 12...	30	37	0.0	29.5	0.06	6.97	11.2	119	112	0.48	0.53	0.29	0.63

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd, mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Organic carbon, water, unfltrd, mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 10...	0.041	0.29	0.11	0.130	0.143	1.1	4.0	--	1k	6	<0.30	17	<0.06
DEC 09...	0.012	0.23	0.04	0.051	0.062	0.93	3.7	--	1,140	18	<0.30	17	<0.06
FEB 12...	0.023	0.25	0.05	0.064	0.091	1.2	3.2	260	290k	13	E.24	21	<0.06

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltred, ug/L (01025)	Chrom- ium, water, fltred, ug/L (01030)	Cobalt water, fltred, ug/L (01035)	Copper, water, fltred, ug/L (01040)	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Mangan- ese, water, fltred, ug/L (01056)	Molyb- denum, water, fltred, ug/L (01060)	Nickel, water, fltred, ug/L (01065)	Silver, water, fltred, ug/L (01075)	Zinc, water, fltred, ug/L (01090)	Uranium natural water, fltred, ug/L (22703)
OCT 10...	E.03	<0.8	0.066	2.2	36	0.11	12.7	0.8	1.31	<0.2	2	0.07
DEC 09...	E.02	<0.8	0.088	1.8	115	0.14	36.1	0.3	1.17	<0.2	3	0.09
FEB 12...	E.04	<0.8	0.108	2.1	130	0.13	56.3	0.5	1.54	<0.2	4	0.12

Value qualifier codes used in this table:

k -- Counts outside acceptable range

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 State Rt. 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 mi².

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 and datum then in use. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are poor. Slight regulation at low flow by ponds upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	2100	1,490	5.60	Mar 21	0845	1,610	5.68
Jan 2	0515	1,380	5.44	May 26	1915	*2,070	*6.23

Minimum discharge, 11.0 ft³/s, Aug. 30-31, Sep. 1, gage height, 2.12 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	39	e115	330	e65	e150	473	253	615	105	32	12
2	29	36	e110	1,100	e75	435	400	303	576	92	53	318
3	25	34	e105	599	e70	675	346	302	333	85	57	185
4	21	33	e100	e400	e130	320	321	241	321	83	70	98
5	19	38	e95	e320	e220	e300	326	216	672	76	67	71
6	19	67	e90	e280	e150	e280	337	210	453	69	132	50
7	18	73	e87	e250	e130	e260	289	199	349	62	87	38
8	18	58	e84	e230	e120	e250	299	270	442	57	211	31
9	17	60	e82	e210	e110	e240	348	255	337	59	146	29
10	16	47	e80	e190	e100	e225	398	211	268	70	97	25
11	18	55	221	e180	e93	e215	488	186	214	73	78	22
12	51	86	472	e165	e88	e205	868	179	230	74	65	21
13	68	315	358	e155	e85	e200	605	181	659	59	53	19
14	58	193	699	e145	e81	e190	420	172	705	51	46	93
15	42	126	577	e135	e78	e180	357	147	420	47	40	63
16	45	98	383	e127	e75	369	320	129	279	49	36	164
17	71	568	296	e120	e72	671	282	120	222	56	35	89
18	55	621	211	e113	e70	818	262	112	401	47	31	58
19	42	331	e180	e107	e68	705	249	104	446	51	41	200
20	36	214	674	e100	e66	524	230	96	316	43	32	190
21	32	167	924	e95	e64	1,350	210	97	252	40	26	97
22	28	254	482	e90	e62	967	280	118	366	44	25	65
23	26	256	341	e85	e600	679	302	151	594	104	25	398
24	25	184	281	e82	e400	510	249	188	455	84	19	434
25	25	150	e265	e80	e300	433	215	220	286	60	17	171
26	101	131	e250	e77	e240	385	385	887	209	47	17	110
27	140	141	e235	e75	e200	446	549	1,130	168	42	14	89
28	86	e132	e220	e72	e170	362	346	560	136	36	13	183
29	62	e124	e210	e70	---	372	275	470	121	31	12	339
30	50	e120	e200	e68	---	858	239	318	114	29	12	175
31	42	---	225	e66	---	673	---	256	---	26	11	---
TOTAL	1,322	4,751	8,652	6,116	3,982	14,247	10,668	8,281	10,959	1,851	1,600	3,837
MEAN	42.6	158	279	197	142	460	356	267	365	59.7	51.6	128
MAX	140	621	924	1,100	600	1,350	868	1,130	705	105	211	434
MIN	16	33	80	66	62	150	210	96	114	26	11	12
CFSM	0.43	1.58	2.79	1.97	1.42	4.60	3.56	2.67	3.65	0.60	0.52	1.28
IN.	0.49	1.77	3.22	2.28	1.48	5.30	3.97	3.08	4.08	0.69	0.60	1.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

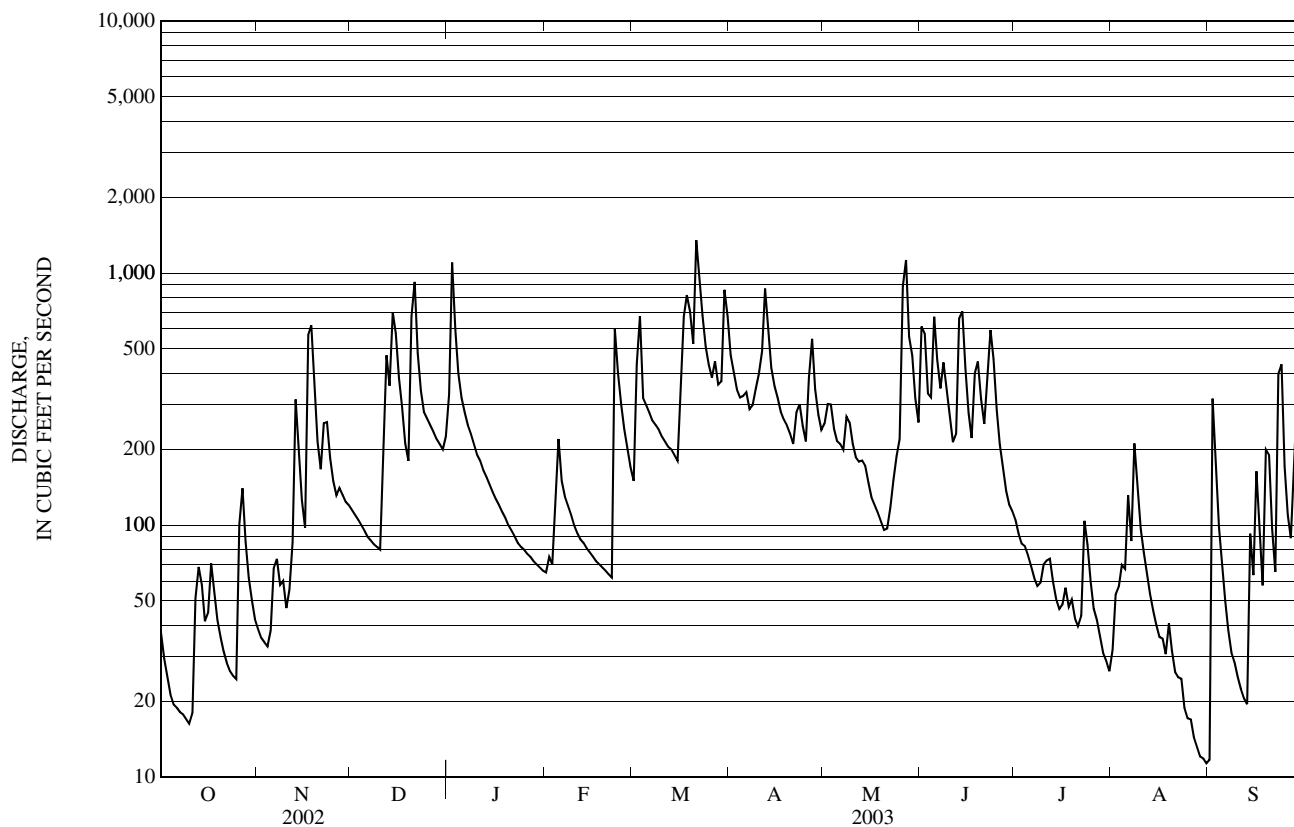
MEAN	86.4	159	215	248	250	372	336	224	140	63.0	54.0	64.8
MAX	734	551	641	1,144	623	797	803	482	801	426	357	834
(WY)	(1956)	(1956)	(1973)	(1979)	(1973)	(1936)	(1983)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	12.4	21.2	39.2	25.2	58.0	152	110	82.6	22.4	8.41	7.50	5.80
(WY)	(1931)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1986)	(1957)	(1957)	(1957)	(1943)

e Estimated

01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	42,094.4		76,266			
ANNUAL MEAN	115		209		184	
HIGHEST ANNUAL MEAN					326	1973
LOWEST ANNUAL MEAN					81.9	2002
HIGHEST DAILY MEAN	949	May 14	1,350	Mar 21	8,720	Sep 21, 1938
LOWEST DAILY MEAN	5.2	Aug 19	11	Aug 31	1.0	Oct 13, 1929
ANNUAL SEVEN-DAY MINIMUM	5.8	Aug 14	13	Aug 26	3.0	Sep 6, 1963
MAXIMUM PEAK FLOW			2,070	May 26	18,500	Jun 6, 1982
MAXIMUM PEAK STAGE			6.23	May 26	14.40	Jun 6, 1982
INSTANTANEOUS LOW FLOW			a 11	Aug 30	0.90	Jan 19, 1997
ANNUAL RUNOFF (CFSM)	1.15		2.09		1.84	
ANNUAL RUNOFF (INCHES)	15.66		28.37		24.99	
10 PERCENT EXCEEDS	245		471		402	
50 PERCENT EXCEEDS	77		135		115	
90 PERCENT EXCEEDS	17		32		19	

a Also occurred Aug. 31 and Sep. 1.



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 18...	1145	54	0.84	11.2	101	7.8	126	10.5	11.0	26	7.01	2.10	2.49
JAN 06...	1030	315	0.79	14.2	100	6.7	112	0.0	1.0	18	4.83	1.51	1.30
APR 09...	1300	336	0.72	13.5	101	6.8	112	3.0	3.5	18	4.82	1.47	1.35
JUL 17...	0930	58	1.6	9.5	102	7.2	126	25.5	19.0	25	6.84	1.91	1.86

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., mg/L (00453)	Carbonate, wat fltrd incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 18...	11.2	16	20	0.0	17.7	<0.17	10.2	10.0	83	85	0.22	0.28	<0.04
JAN 06...	10.5	6	7	0.0	17.8	<0.17	8.54	9.1	66	63	0.13	0.13	<0.04
APR 09...	11.0	6	7	0.0	19.7	0.03	7.00	8.8	65	78	0.10	0.14	<0.04
JUL 17...	12.2	14	18	0.0	20.4	<0.2	9.99	7.4	71	63	0.23	0.28	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 18...	E.03	<0.008	<0.02	0.007	0.010	--	6.4	--	74	18	<0.30	10	<0.06
JAN 06...	0.41	<0.008	<0.02	E.003	0.007	0.54	3.2	14	30	50	<0.30	10	<0.06
APR 09...	0.30	<0.008	<0.02	E.004	0.009	0.44	2.7	7k	23	33	<0.30	9	<0.06
JUL 17...	0.25	<0.008	<0.02	0.009	0.016	0.53	4.1	52	80k	25	<0.30	8	<0.06

01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltred, ug/L (01025)	Chrom- ium, water, fltred, ug/L (01030)	Cobalt water, fltred, ug/L (01035)	Copper, water, fltred, ug/L (01040)	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Mangan- ese, water, fltred, ug/L (01056)	Molyb- denum, water, fltred, ug/L (01060)	Nickel, water, fltred, ug/L (01065)	Silver, water, fltred, ug/L (01075)	Zinc, water, fltred, ug/L (01090)	Uranium natural water, fltred, ug/L (22703)
OCT 18...	<0.04	<0.8	0.061	0.6	206	0.11	3.4	<0.3	1.02	<0.2	2	0.06
JAN 06...	<0.04	<0.8	0.203	0.4	63	0.12	16.3	<0.3	1.15	<0.2	4	0.04
APR 09...	<0.04	<0.8	0.191	0.4	59	0.08	18.3	E.2	0.97	<0.2	3	0.02
JUL 17...	<0.04	<0.8	0.100	0.5	402	0.23	7.5	0.4	1.12	<0.2	Mn	0.02

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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 Rt. 82, at East Haddam, 1.1 mi downstream from Salmon River and 3.7 mi upstream from Chester Creek.

DRAINAGE AREA.--11,092 mi².

PERIOD OF RECORD.--Water years 1968, 1974 to current year.

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 10...	0830	2.1	6.8	72	7.4	182	16.0	18.5	48	14.9	2.53	2.06	14.3
DEC 09...	0945	1.9	14.4	97	7.0	155	-6.0	0.5	36	11.1	2.02	1.46	11.8
FEB 12...	1015	1.4	14.1	100	7.3	192	-2.0	0.0	42	12.9	2.30	1.49	17.5
APR 07...	0830	5.0	13.6	99	7.1	131	2.5	3.0	27	8.25	1.53	1.02	12.3
JUN 03...	0845	9.8	8.5	86	7.5	133	19.5	16.0	35	10.8	1.97	1.21	10.5
AUG 04...	0830	3.0	7.0	85	7.6	199	28.0	26.0	52	16.1	2.78	1.90	16.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 10...	38	46	0.0	20.9	<0.17	3.57	10.5	109	102	0.38	0.43	0.15	0.64
DEC 09...	26	32	0.0	18.7	<0.17	6.60	9.8	92	85	0.34	0.39	0.16	0.46
FEB 12...	27	33	0.0	28.5	0.06	6.88	10.5	107	114	0.38	0.42	0.23	0.59
APR 07...	14	18	0.0	20.3	0.06	5.92	7.4	87	78	0.20	0.27	0.06	0.41
JUN 03...	23	28	0.0	16.9	<0.2	5.90	7.5	95	82	0.32	0.43	0.07	0.40
AUG 04...	36	44	0.0	26.6	<0.2	4.21	10.2	113	111	0.35	0.48	0.11	0.58

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 10...	0.035	0.28	0.11	0.132	0.149	1.1	4.0	--	4k	5	<0.30	17	<0.06
DEC 09...	0.010	0.23	0.03	0.043	0.054	0.84	3.6	--	840	18	<0.30	16	<0.06
FEB 12...	0.020	0.19	0.04	0.052	0.073	1.0	3.2	100	176	14	E.17	20	<0.06
APR 07...	0.008	0.21	E.01	0.014	0.041	0.68	4.5	220	232	28	<0.30	12	<0.06
JUN 03...	0.009	0.36	0.02	0.035	0.080	0.82	5.1	200	440	20	<0.30	16	<0.06
AUG 04...	0.018	0.38	0.05	0.076	0.106	1.1	3.6	31	55	9	<0.30	20	<0.06

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, flt'd, ug/L (01025)	Chrom- ium, water, flt'd, ug/L (01030)	Cobalt water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Mangan- ese, water, flt'd, ug/L (01056)	Molyb- denum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 10...	E.03	<0.8	0.067	2.3	33	0.12	10.9	0.8	1.31	<0.2	2	0.06
DEC 09...	<0.04	<0.8	0.079	1.6	102	0.12	26.9	E.3	1.10	<0.2	3	0.08
FEB 12...	E.03	<0.8	0.088	1.4	121	0.14	45.2	E.3	1.24	<0.2	3	0.10
APR 07...	<0.04	<0.8	0.095	1.3	62	0.13	19.2	<0.3	0.53	<0.2	2	0.06
JUN 03...	<0.04	<0.8	0.076	1.5	129	0.19	15.5	E.2	0.77	<0.2	2	0.07
AUG 04...	E.03n	<0.8	0.075	2.1	26	0.16	0.7	1.6	1.21	<0.2	2	0.09

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

01194500 EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME, CT

LOCATION.--Lat 41° 25'40", long 72° 20'05", New London County, Hydrologic Unit 01080205, on left bank at State Rt. 156 bridge, 0.7 mi south of intersection of State Rt. 82, 0.4 mi upstream from confluence of Eightmile River, and 5.5 mi above mouth.

DRAINAGE AREA.--22.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1937 to 1981, August 30, 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 53.97 ft above sea level. Prior to Oct. 1, 1964, at datum 1.00 ft higher. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 599 ft³/s, Dec. 21, gage height, 4.85 ft; minimum discharge, 3.4 ft³/s, Sept. 1, gage height, 1.62 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	9.9	55	92	e17	e40	128	65	96	25	8.0	3.5
2	7.8	9.4	e47	247	28	107	100	70	116	22	14	37
3	7.0	8.7	e40	159	31	262	87	60	68	20	16	41
4	6.4	8.7	e36	e130	39	135	82	52	72	21	17	26
5	6.2	9.5	e33	e100	54	97	77	47	193	19	21	21
6	5.7	20	e30	e87	40	111	73	45	135	17	19	15
7	5.3	25	e28	e75	31	91	66	46	90	15	17	11
8	5.2	17	e27	e68	e28	73	70	49	110	14	45	8.8
9	5.2	13	e26	e60	e26	e68	81	47	87	14	48	7.7
10	5.0	13	e25	e55	e24	e64	101	41	69	15	28	7.0
11	5.5	16	e24	e51	e22	e60	106	36	56	16	24	6.0
12	8.5	26	139	e47	e21	e58	180	36	60	22	18	5.7
13	12	98	116	e43	e20	e56	135	36	109	17	14	5.3
14	11	72	164	e40	e19	e54	91	33	196	14	12	11
15	8.7	39	147	e38	e18	e52	75	30	163	12	10	10
16	9.4	29	98	e36	e17	e50	69	28	90	14	9.4	14
17	16	127	86	e34	e17	137	61	26	67	18	13	12
18	14	185	66	e32	e16	158	55	24	127	14	15	9.5
19	10	108	61	e30	e16	129	54	22	180	13	13	22
20	8.9	74	182	e28	e15	93	52	21	107	11	11	33
21	8.2	61	412	e26	e15	278	47	21	80	9.7	9.4	20
22	7.6	102	173	e24	e15	232	66	24	96	9.8	8.2	14
23	7.2	112	119	e22	161	143	85	36	135	22	7.1	25
24	6.8	78	92	e20	e130	103	64	44	96	29	5.8	43
25	6.8	66	e85	e19	e85	86	53	44	67	27	4.9	25
26	16	55	e80	e18	e70	78	92	150	52	18	4.8	18
27	34	e50	e75	23	e55	88	202	356	42	13	4.6	16
28	20	e48	e70	e21	e45	78	106	136	34	11	4.3	17
29	14	e47	e65	e20	---	76	77	86	29	9.7	3.8	27
30	12	50	e60	e19	---	249	66	66	27	8.6	3.8	23
31	10	---	e57	e18	---	223	---	54	---	7.5	3.6	---
TOTAL	309.6	1,577.2	2,718	1,682	1,075	3,529	2,601	1,831	2,849	498.3	432.7	534.5
MEAN	9.99	52.6	87.7	54.3	38.4	114	86.7	59.1	95.0	16.1	14.0	17.8
MAX	34	185	412	247	161	278	202	356	196	29	48	43
MIN	5.0	8.7	24	18	15	40	47	21	27	7.5	3.6	3.5
CFSM	0.45	2.36	3.93	2.43	1.72	5.10	3.89	2.65	4.26	0.72	0.63	0.80
IN.	0.52	2.63	4.53	2.81	1.79	5.89	4.34	3.05	4.75	0.83	0.72	0.89

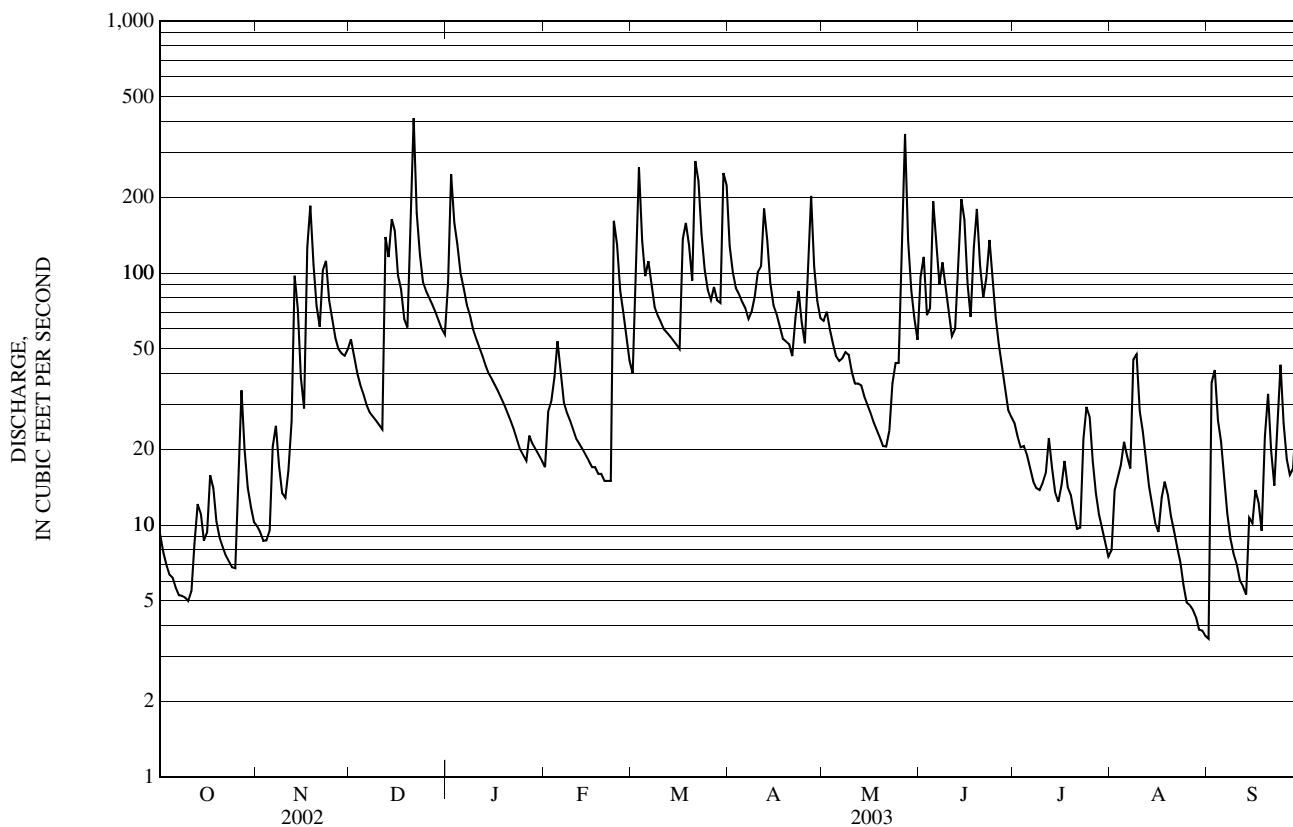
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	19.9	41.6	57.4	62.6	65.4	92.5	77.2	55.6	29.5	14.3	11.3	14.1
MAX	183	132	151	265	124	191	138	140	146	96.9	61.1	160
(WY)	(1956)	(1973)	(1973)	(1979)	(1951)	(1953)	(1980)	(1978)	(1972)	(1938)	(1955)	(1938)
MIN	1.93	8.59	9.37	9.27	15.1	46.5	34.7	23.4	4.97	1.23	0.72	0.40
(WY)	(1942)	(2002)	(1944)	(1981)	(1980)	(2002)	(1966)	(1962)	(1957)	(1957)	(1944)	(1943)

e Estimated

01194500 EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	11,706.09		19,637.3			
ANNUAL MEAN	32.1		53.8		45.0	
HIGHEST ANNUAL MEAN					72.0 1973	
LOWEST ANNUAL MEAN					22.0 2002	
HIGHEST DAILY MEAN	412	Dec 21	412	Dec 21	1,490	Oct 16, 1955
LOWEST DAILY MEAN	0.99	Aug 28	3.5	Sep 1	0.03	Oct 2, 1941
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 22	4.1	Aug 26	0.16	Sep 6, 1944
MAXIMUM PEAK FLOW			599	Dec 21	2,950	Sep 21, 1938
MAXIMUM PEAK STAGE			4.85	Dec 21	7.00	Sep 21, 1938
INSTANTANEOUS LOW FLOW			3.4	Sep 1	0.00	Sep 3, 1938
ANNUAL RUNOFF (CFSM)	1.44		2.41		2.02	
ANNUAL RUNOFF (INCHES)	19.53		32.76		27.44	
10 PERCENT EXCEEDS	80		127		101	
50 PERCENT EXCEEDS	18		34		28	
90 PERCENT EXCEEDS	2.8		8.7		3.4	



CONNECTICUT RIVER BASIN

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 mi².

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

GAGE.--Water-stage recorder. Datum of reference 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.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 5.05 ft, Oct. 16; minimum, -2.72 ft, Jan. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.34	-0.91	2.61	-1.07	2.69	-1.90	3.20	-1.19	2.91	-1.36	2.81	-1.02
2	2.64	-0.99	2.18	-1.83	2.18	-2.03	3.49	-0.67	2.50	-2.01	3.06	-0.71
3	3.00	-0.88	2.98	-1.56	2.37	-2.36	4.18	-0.04	1.86	-1.69	2.45	-1.89
4	3.49	-0.50	3.41	-1.37	2.59	-2.14	3.89	-0.47	3.04	-1.02	1.85	-1.79
5	3.28	-1.12	3.41	-1.22	2.91	-1.77	3.15	-0.69	1.38	-2.15	2.58	-1.22
6	3.12	-1.74	4.87	-0.69	3.55	-1.14	3.18	-0.52	1.00	-1.90	2.70	-0.79
7	3.86	-1.06	3.31	-1.07	2.67	-1.43	2.59	-0.43	1.52	-1.26	2.31	-0.80
8	3.40	-1.28	2.59	-1.18	1.90	-2.00	2.51	-0.53	1.35	-1.12	2.39	-1.23
9	3.32	-1.14	2.58	-0.99	1.96	-1.39	2.83	0.06	1.08	-1.62	2.57	-0.72
10	3.21	-0.96	2.85	-0.51	1.66	-1.28	3.16	-0.33	1.86	-1.02	1.85	-0.79
11	3.51	-0.35	2.35	-0.75	2.65	-0.49	2.02	-1.13	1.54	-1.62	1.67	-1.01
12	3.75	0.31	2.31	-0.62	3.44	-0.86	1.29	-1.50	2.11	-2.02	1.74	-0.91
13	3.19	-0.30	2.36	-0.46	2.90	-0.24	1.74	-1.53	1.23	-1.62	1.97	-0.92
14	2.61	-0.64	2.34	-0.54	4.12	-0.07	1.61	-1.68	1.23	-2.20	1.89	-1.13
15	2.99	-0.16	2.40	-0.56	1.94	-0.84	2.17	-1.33	1.47	-2.42	2.14	-1.27
16	5.05	0.21	2.84	-0.68	3.05	-0.54	1.89	-1.69	1.70	-2.35	2.54	-1.22
17	3.10	-0.40	4.18	-0.04	3.07	-0.52	2.71	-1.26	3.56	-1.46	3.06	-0.98
18	2.62	-0.60	2.48	-2.06	3.01	-1.07	3.16	-1.00	3.15	-1.37	3.39	-0.77
19	2.94	-0.41	2.08	-1.60	2.66	-1.22	3.16	-1.38	2.71	-1.55	3.34	-0.95
20	2.41	-1.08	3.10	-0.80	3.75	0.02	2.18	-2.27	2.58	-1.84	3.56	-1.03
21	2.79	-0.79	3.06	-0.73	2.78	-1.39	1.64	-2.31	2.45	-1.63	3.74	-0.67
22	2.68	-0.99	3.66	-0.15	2.69	-0.98	0.83	-2.72	2.56	-1.30	3.47	-0.59
23	2.36	-1.27	2.77	-1.94	2.50	-1.16	1.89	-2.15	3.34	-1.51	3.30	-0.49
24	2.53	-0.91	1.29	-1.99	2.14	-1.28	2.21	-1.45	1.08	-1.85	3.11	-0.11
25	2.54	-0.79	2.05	-1.25	4.98	0.21	2.32	-1.47	1.21	-2.40	2.93	-0.09
26	4.28	-0.44	2.50	-0.75	2.06	-1.38	2.01	-1.37	1.78	-1.53	2.77	0.02
27	2.72	-0.55	2.55	-1.04	2.23	-1.08	2.23	-1.86	2.24	-1.23	---	---
28	2.10	-0.83	2.18	-1.25	2.69	-0.79	2.22	-1.73	3.02	-0.75	---	---
29	2.36	-0.84	2.37	-1.18	2.95	-1.17	2.27	-1.87	---	---	---	---
30	2.63	-0.53	2.88	-1.04	2.60	-1.34	2.46	-1.74	---	---	---	---
31	2.87	-0.57	---	---	3.57	-0.91	2.72	-1.58	---	---	---	---
MONTH	5.05	-1.74	4.87	-2.06	4.98	-2.36	4.18	-2.72	3.56	-2.42	3.74	-1.89

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 mi². Usable capacity, 780,000,000 ft³. 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 mi². Usable capacity, 4,213,000,000 ft³. 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 mi². Usable capacity, 374,000,000 ft³. 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 mi². Usable capacity, 423,000,000 ft³, including 8,000,000 ft³ 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 mi². Usable capacity, 64,500,000 ft³. 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 mi². Usable capacity, 144,400,000 ft³, 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 mi². Usable capacity, 4,050,000,000 ft³. 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 mi². Usable capacity, 393,000,000 ft³. 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 mi². Usable capacity, 1,270,000,000 ft³. 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 mi². Usable capacity, 5,050,000 ft³. 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 Rd., 2.0 mi north of Clinton.

DRAINAGE AREA.--5.68 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	2000	146	3.54	Mar 2	1945	124	3.39
Jan 2	0645	124	3.39	May 26	1845	*207	*3.94

Minimum discharge, 0.05 ft³/s, Sept. 20, gage height, 1.41 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.5	12	18	e3.8	e10	21	14	23	3.9	0.62	0.32
2	2.6	4.1	10	82	e3.7	47	18	14	20	3.2	0.76	9.0
3	2.1	3.9	8.9	36	e5.0	e33	16	12	12	2.9	1.3	5.9
4	2.0	3.9	7.8	43	e6.0	e25	15	11	23	3.1	1.4	3.7
5	1.9	5.1	e7.2	28	e7.5	e19	14	10	35	2.9	1.1	3.2
6	1.5	17	e6.8	22	e6.0	e18	12	9.8	23	2.5	0.94	1.9
7	1.3	13	e6.4	18	e5.5	e15	11	9.6	18	2.2	1.0	1.3
8	1.1	9.1	e6.2	16	e5.0	e15	12	13	24	2.2	14	0.93
9	0.93	7.4	e6.0	15	e4.8	e15	19	12	17	1.9	7.8	0.69
10	0.90	6.5	e5.8	16	e4.6	e14	22	9.9	13	1.9	4.2	0.58
11	2.0	8.9	e5.6	14	e4.4	e13	31	8.9	11	2.7	2.9	0.55
12	17	9.9	34	12	e4.2	e11	47	9.0	13	3.8	2.1	0.54
13	13	25	21	10	e4.0	e11	29	8.2	28	2.6	1.7	0.47
14	8.1	17	38	e9.0	e3.9	e11	20	7.6	44	1.9	1.5	0.69
15	5.3	12	27	e8.4	e3.8	e12	17	7.0	26	1.6	1.3	1.3
16	5.4	10	20	e7.8	e3.7	18	15	6.4	16	2.0	1.0	5.4
17	8.0	39	17	e7.2	e3.6	25	13	5.9	12	3.6	3.1	2.9
18	5.5	45	13	e6.6	e3.5	25	12	5.6	45	2.3	3.4	1.3
19	4.2	24	12	e6.2	e3.4	20	11	5.3	42	1.9	2.1	2.4
20	3.6	17	55	e5.9	e3.3	17	11	4.9	24	1.5	1.4	3.5
21	3.2	14	60	e5.6	e3.2	41	10	4.7	18	1.1	0.98	1.9
22	3.0	28	28	e5.3	e5.8	30	16	5.9	21	1.3	0.74	1.2
23	2.7	24	20	e5.1	65	22	16	7.9	20	3.2	0.59	2.9
24	2.5	17	16	e4.9	43	18	12	8.7	14	4.2	0.51	7.9
25	2.3	13	20	e4.7	28	15	11	7.9	11	2.9	0.47	3.5
26	15	12	29	e4.5	e20	14	31	75	8.2	2.0	0.46	2.2
27	17	13	19	e4.3	e15	17	41	75	6.9	1.4	0.42	1.6
28	10	e11	15	e4.2	e12	14	23	29	e6.0	1.00	0.38	17
29	6.9	10	14	e4.1	---	16	17	20	e5.0	0.81	0.34	24
30	5.8	11	12	e4.0	---	44	15	14	e4.3	0.71	0.32	9.3
31	5.1	---	13	e3.9	---	30	---	12	---	0.62	0.29	---
TOTAL	163.13	435.3	565.7	431.7	281.7	635	558	444.2	583.4	69.84	59.12	118.07
MEAN	5.26	14.5	18.2	13.9	10.1	20.5	18.6	14.3	19.4	2.25	1.91	3.94
MAX	17	45	60	82	65	47	47	75	45	4.2	14	24
MIN	0.90	3.9	5.6	3.9	3.2	10	10	4.7	4.3	0.62	0.29	0.32
CFSM	0.93	2.55	3.21	2.45	1.77	3.61	3.27	2.52	3.42	0.40	0.34	0.69
IN.	1.07	2.85	3.70	2.83	1.84	4.16	3.65	2.91	3.82	0.46	0.39	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

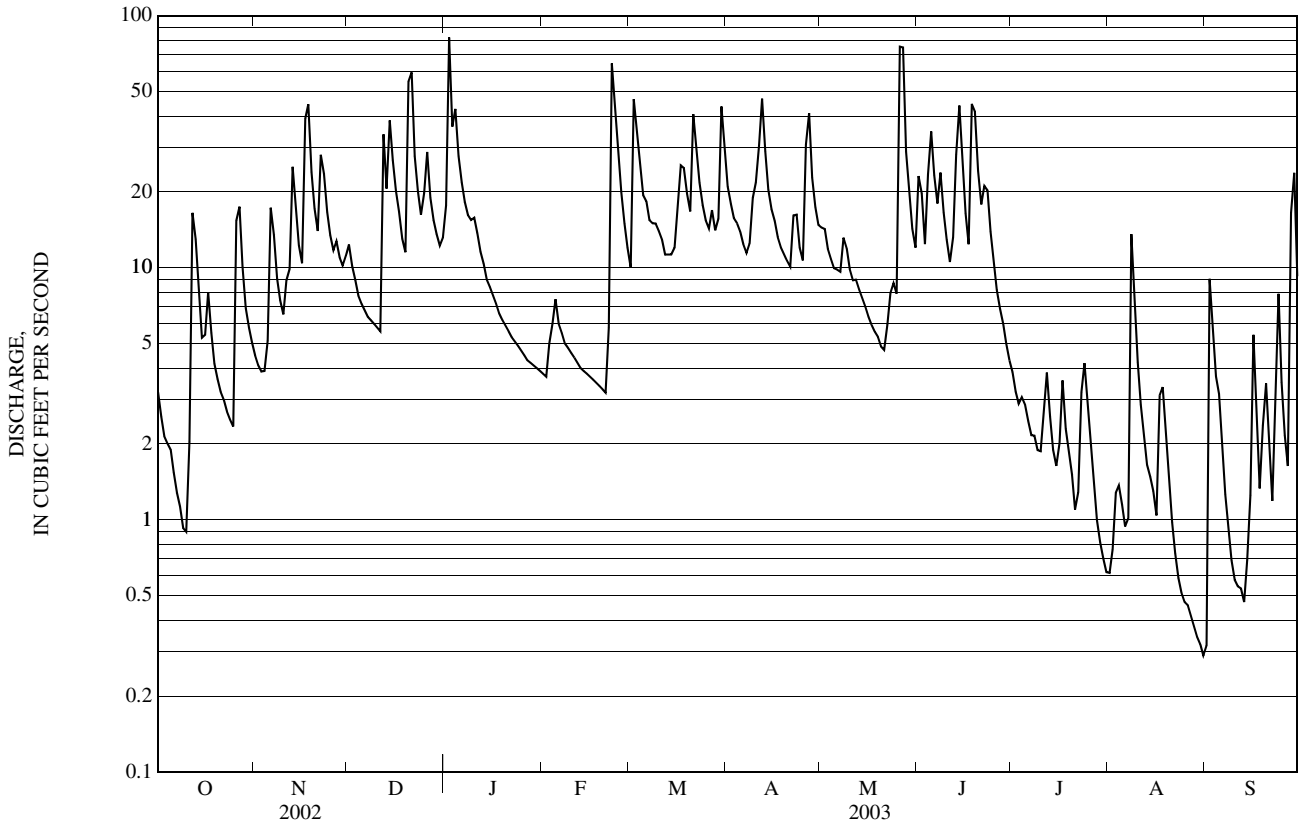
MEAN	4.80	9.85	13.5	13.5	13.8	18.0	17.2	11.5	9.79	2.33	2.95	2.18
MAX	24.0	26.7	36.8	25.2	29.3	37.7	38.9	21.3	57.1	13.4	12.5	7.30
(WY)	(1991)	(1984)	(1984)	(1982)	(1984)	(1994)	(1983)	(1989)	(1982)	(1984)	(1992)	(1992)
MIN	0.30	0.84	1.77	3.55	3.51	8.57	6.16	3.55	1.11	0.30	0.14	0.19
(WY)	(1998)	(2002)	(1999)	(2002)	(2002)	(1990)	(1985)	(1986)	(1994)	(2002)	(2002)	(1997)

e Estimated

01195100 INDIAN RIVER NEAR CLINTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	2,746.72		4,345.16		9.70	
ANNUAL MEAN	7.53		11.9		16.8	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					4.65	
HIGHEST DAILY MEAN	60	May 14	82	Jan 2	576	Jun 6, 1982
LOWEST DAILY MEAN	0.08	Aug 19	0.29	Aug 31	0.00	Jul 22, 1991
ANNUAL SEVEN-DAY MINIMUM	0.12	Aug 14	0.36	Aug 26	0.02	Aug 9, 1993
MAXIMUM PEAK FLOW			207	May 26	a 2,600	Jun 6, 1982
MAXIMUM PEAK STAGE			3.94	May 26	b 8.29	Jun 6, 1982
INSTANTANEOUS LOW FLOW			0.05	Sep 20	c 0.00	Jul 22, 1991
ANNUAL RUNOFF (CFSM)	1.32		2.10		1.71	
ANNUAL RUNOFF (INCHES)	17.99		28.46		23.20	
10 PERCENT EXCEEDS	17		26		22	
50 PERCENT EXCEEDS	4.9		8.2		5.7	
90 PERCENT EXCEEDS	0.21		1.3		0.50	

- a From contracted-opening measurement.
- b From digital recorder and floodmarks in gage well.
- c Also occurred on July 23, 1991.



01195490 QUINNIPIAC RIVER AT SOUTHTON, 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 St., and 500 ft upstream from bridge on Center St. in Southington.

DRAINAGE AREA.--17.4 mi².

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 estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	1030	202	5.39	Jun 1	1715	213	5.49
Feb 23	1730	226	5.61	Jun 13	1815	263	5.91
Mar 21	1130	247	5.78	Sep 2	1515	254	5.84
May 26	2345	272	5.98	Sep 29	0130	*307	*6.26

Minimum discharge, 5.1 ft³/s, Oct. 10, 11, gage height, 2.66 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	11	26	43	17	29	52	36	157	28	22	14
2	6.2	10	e21	166	21	59	47	36	110	26	60	184
3	5.9	9.9	e19	83	24	e120	44	45	57	25	38	76
4	5.7	10	e18	57	32	e52	42	34	58	24	68	30
5	7.9	11	e18	48	41	e55	43	31	99	23	58	23
6	6.1	27	20	44	23	e32	45	30	62	21	43	19
7	5.5	22	19	41	21	e28	38	30	53	20	27	17
8	5.4	14	18	40	20	e27	41	56	69	20	48	16
9	5.3	12	18	40	19	e27	49	43	49	24	34	15
10	5.2	11	e15	41	e19	e36	52	33	42	29	42	14
11	11	11	e15	37	e18	e26	69	30	38	22	27	14
12	103	16	37	32	e18	e25	154	32	38	22	22	13
13	84	53	37	30	e17	33	93	31	190	19	47	12
14	27	30	94	28	e17	28	61	28	150	18	40	23
15	16	19	88	26	e16	27	53	26	74	17	21	21
16	25	17	52	e23	e16	41	49	25	55	17	19	65
17	58	124	41	e21	e15	87	44	24	47	17	25	29
18	25	145	33	e20	e15	117	41	23	66	16	29	18
19	17	65	30	e19	e15	108	39	22	62	18	22	35
20	14	43	65	e18	e14	80	37	21	47	16	18	29
21	12	36	122	e18	e14	213	36	22	44	15	16	18
22	11	41	54	e17	37	154	37	25	80	27	16	16
23	11	53	43	e17	186	101	38	31	112	35	16	86
24	10	38	38	e16	e46	78	35	37	59	24	14	88
25	9.8	30	36	e16	e36	66	32	32	45	18	13	28
26	33	27	41	e16	e30	60	63	111	39	15	13	22
27	36	28	37	e17	e28	63	91	174	36	14	12	20
28	17	29	33	e16	e26	52	47	71	32	14	11	117
29	14	26	31	e16	---	50	39	64	31	13	11	207
30	12	26	29	e15	---	88	35	45	30	13	11	51
31	11	---	30	e15	---	68	---	41	---	12	11	---
TOTAL	616.6	994.9	1,178	1,036	801	2,030	1,546	1,289	2,031	622	854	1,320
MEAN	19.9	33.2	38.0	33.4	28.6	65.5	51.5	41.6	67.7	20.1	27.5	44.0
MAX	103	145	122	166	186	213	154	174	190	35	68	207
MIN	5.2	9.9	15	15	14	25	32	21	30	12	11	12
CFSM	1.14	1.91	2.18	1.92	1.64	3.76	2.96	2.39	3.89	1.15	1.58	2.53
IN.	1.32	2.13	2.52	2.21	1.71	4.34	3.31	2.76	4.34	1.33	1.83	2.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

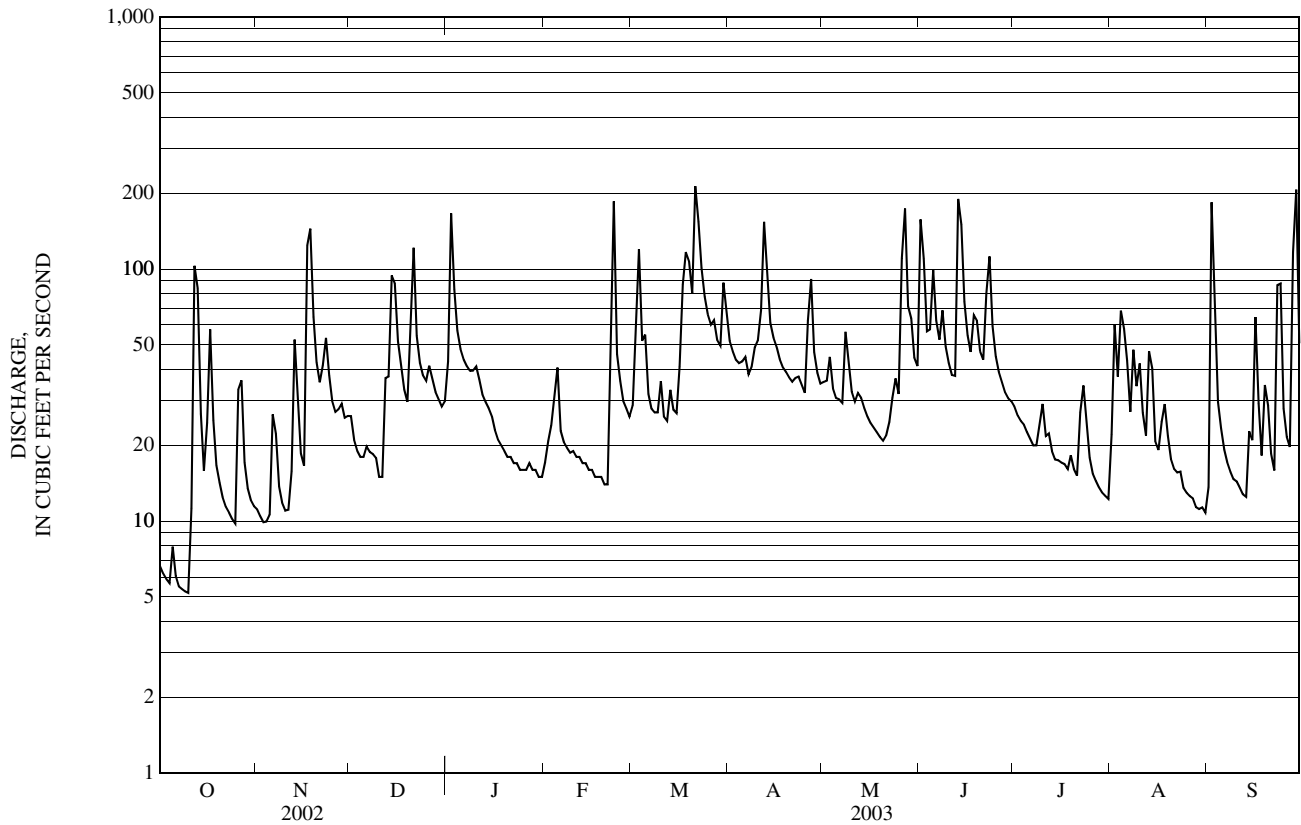
	25.5	31.0	31.3	35.4	34.7	51.1	44.5	40.9	32.8	19.7	20.7	19.8
MEAN	25.5	31.0	31.3	35.4	34.7	51.1	44.5	40.9	32.8	19.7	20.7	19.8
MAX	89.9	57.8	80.0	64.7	51.3	84.8	71.1	109	68.5	30.1	55.0	55.2
(WY)	(1990)	(1990)	(1997)	(1996)	(1990)	(1994)	(1993)	(1989)	(1992)	(1996)	(1994)	(1999)
MIN	7.51	5.96	7.54	6.77	8.93	18.7	18.6	20.8	9.30	6.46	5.19	8.54
(WY)	(1998)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1992)	(1999)	(2002)	(1999)	(1995)

e Estimated

01195490 QUINNIPIAC RIVER AT SOUTHTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	6,923.3		14,318.5		32.8	
ANNUAL MEAN	19.0		39.2		13.1	
HIGHEST ANNUAL MEAN					42.5	1990
LOWEST ANNUAL MEAN					13.1	2002
HIGHEST DAILY MEAN	158	May 14	213	Mar 21	810	Oct 21, 1989
LOWEST DAILY MEAN	3.0	Aug 19	5.2	Oct 10	3.0	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 13	5.9	Oct 4	3.6	Aug 13, 2002
MAXIMUM PEAK FLOW			307	Sep 29	830	Sep 17, 1999
MAXIMUM PEAK STAGE			6.26	Sep 29	10.00	Sep 17, 1999
INSTANTANEOUS LOW FLOW			a 5.1	Oct 10	2.8	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	1.09		2.25		1.88	
ANNUAL RUNOFF (INCHES)	14.80		30.61		25.60	
10 PERCENT EXCEEDS	38		79		62	
50 PERCENT EXCEEDS	12		29		23	
90 PERCENT EXCEEDS	5.0		13		8.1	

a Also occurred Oct. 11.



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 mi².

PERIOD OF RECORD.--Water year 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 29...	1400	77	2.0	10.4	90	7.5	303	7.5	9.0	97	31.1	4.67	2.93
DEC 10...	1430	88	1.7	13.7	97	7.3	350	4.0	1.5	100	33.0	5.04	2.66
FEB 10...	1330	99	2.4	13.9	102	7.1	381	0.5	2.0	100	33.0	4.96	2.45
APR 10...	1345	234	4.4	13.6	109	7.6	308	13.0	6.0	77	24.5	3.84	1.67
JUN 04...	1145	303	6.5	8.8	86	7.1	223	13.5	14.5	69	22.0	3.47	1.54
JUL 07...	1330	101	3.1	7.3	81	7.3	337	29.0	20.5	110	36.2	5.42	2.44
AUG 18...	1245	95	9.7	7.6	84	7.6	214	25.0	20.5	60	19.1	3.06	1.94
SEP 16...	1215	293	34	7.8	85	7.3	180	22.0	19.5	56	17.9	2.70	2.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfltrd, mg/L (00500)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 29...	20.1	63	77	0.0	35.9	<0.17	13.4	16.5	182	176	0.28	0.45	<0.04
DEC 10...	24.4	68	82	0.0	40.8	<0.17	14.3	16.1	206	206	0.34	0.34	0.08
FEB 10...	30.3	69	84	0.0	54.8	0.12	12.5	15.1	226	218	0.58	0.67	0.35
APR 10...	25.5	47	57	0.0	46.5	0.07	9.34	12.3	175	169	<0.10	0.31	<0.04
JUN 04...	15.6	49	60	0.0	26.4	<0.2	10.4	10.4	147	140	0.32	0.47	E.03
JUL 07...	21.9	74	90	0.0	40.4	<0.2	15.4	14.1	216	203	0.32	0.45	E.03
AUG 18...	13.3	48	59	0.0	24.9	<0.2	9.92	8.0	147	134	0.47	0.68	0.04
SEP 16...	11.2	38	46	0.0	19.5	<0.2	8.08	7.2	153	119	0.27	0.56	<0.04

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 29...	3.31	0.008	--	0.33	0.32	0.35	3.8	5.1	--	860k	8	<0.30	82
DEC 10...	3.88	0.023	0.26	0.32	0.32	0.33	4.2	3.3	--	2,600	9	<0.30	101
FEB 10...	3.28	0.028	0.31	0.27	0.30	0.27	3.9	2.9	140	560	7	<0.30	110
APR 10...	1.75	0.008	--	0.11	0.126	0.154	2.1	3.7	74	144	13	<0.30	74
JUN 04...	1.32	0.011	--	0.09	0.114	0.150	1.8	5.6	520	600	14	<0.30	63
JUL 07...	3.14	0.015	--	0.29	0.30	0.35	3.6	3.3	120	176	7	<0.30	106
AUG 18...	1.36	0.018	0.63	0.12	0.154	0.19oc	2.0	8.5	2,400	6,300k	15	E.20n	61
SEP 16...	1.40	<0.008	--	0.13	0.154	0.25oc	2.0	6.6	12,000k	14,100k	9	<0.30	59

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 29...	<0.06	0.10	<0.8	0.125	2.8	115	0.12	51.7	0.5	2.33	<0.2	10	0.17
DEC 10...	E.05	0.14	1.5	0.153	2.2	138	0.20	104	E.3	1.54	<0.2	13	0.28
FEB 10...	<0.06	0.16	<0.8	0.194	1.9	78	0.08	154	0.6	5.05	<0.2	11	0.32
APR 10...	<0.06	0.12	E.4	0.146	2.0	92	0.13	92.2	E.2	1.56	<0.2	8	0.16
JUN 04...	<0.06	0.08	<0.8	0.147	3.2	160	0.22	73.2	E.2	1.27	<0.2	6	0.12
JUL 07...	<0.06	0.08	<0.8	0.154	2.7	119	E.07	61.6	0.5	1.94	<0.2	7	0.25
AUG 18...	<0.06	0.06	<0.8	0.125	2.9	142	0.09	53.0	0.6	1.67	<0.2	4	0.10
SEP 16...	<0.06	0.06	<0.8	0.097	2.6	48	0.09	24.0	0.4	0.73	<0.2	3	0.05

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the NDV

o -- Result determined by alternate method

QUINNIPIAC RIVER BASIN

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 St. in Wallingford, and 2 mi upstream from Wharton Brook.

DRAINAGE AREA.--115 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 18	0600	962	6.25	May 26	1900	1,480	7.47
Dec 20	1845	2,310	9.15	Jun 2	0500	1,070	6.46
Jan 2	0515	1,250	6.93	Jun 5	0430	1,400	7.29
Feb 23	1215	1,340	7.15	Jun 13	1615	1,170	6.73
Mar 2	2030	1,250	6.92	Sep 2	1130	990	6.23
Mar 21	0615	1,680	7.89	Sep 28	1715	*2,690	*9.65
Apr 12	1345	1,050	6.41				

Minimum discharge, 49 ft³/s, Oct. 9, 10, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	99	178	368	131	197	336	224	776	205	118	95
2	63	95	164	1,140	143	563	294	229	918	172	222	757
3	60	94	153	831	162	715	273	239	455	161	190	540
4	57	95	142	494	217	365	263	210	450	157	298	237
5	60	95	141	392	241	366	268	193	1,010	149	393	184
6	61	178	143	335	171	399	268	188	588	142	361	155
7	56	170	138	304	156	276	242	187	436	137	199	139
8	53	129	138	279	143	255	255	298	487	141	357	130
9	52	111	133	277	141	322	300	281	380	138	237	123
10	51	103	127	288	140	341	326	217	305	150	272	118
11	84	109	135	259	138	245	455	192	262	148	292	114
12	451	139	271	230	132	239	882	252	256	138	187	109
13	458	323	256	215	124	263	724	204	888	129	164	106
14	219	238	587	203	122	230	431	185	1,030	122	220	164
15	133	159	577	190	124	219	347	173	582	120	170	153
16	149	138	379	183	115	319	313	164	367	121	191	378
17	256	615	284	180	104	548	278	158	296	119	228	203
18	200	832	226	167	132	696	252	153	433	113	258	143
19	134	500	202	166	145	657	239	148	422	177	177	228
20	113	301	952	163	134	515	229	143	315	138	148	233
21	103	238	1,090	154	138	1,400	222	144	300	115	133	159
22	94	251	588	146	327	1,180	235	156	544	229	126	136
23	90	297	386	142	1,110	723	226	178	720	275	122	407
24	87	243	314	139	866	508	207	219	455	179	114	614
25	86	195	336	137	441	416	194	198	316	142	109	274
26	242	179	362	138	282	368	333	684	260	124	107	187
27	240	188	303	139	232	368	546	997	230	116	104	168
28	161	191	264	131	214	326	348	574	203	110	100	1,400
29	124	175	242	135	---	336	258	436	189	105	95	1,200
30	113	175	228	129	---	529	228	316	191	102	95	543
31	104	---	244	129	---	442	---	279	---	99	92	---
TOTAL	4,221	6,655	9,683	8,183	6,525	14,326	9,772	8,219	14,064	4,473	5,879	9,397
MEAN	136	222	312	264	233	462	326	265	469	144	190	313
MAX	458	832	1,090	1,140	1,110	1,400	882	997	1,030	275	393	1,400
MIN	51	94	127	129	104	197	194	143	189	99	92	95

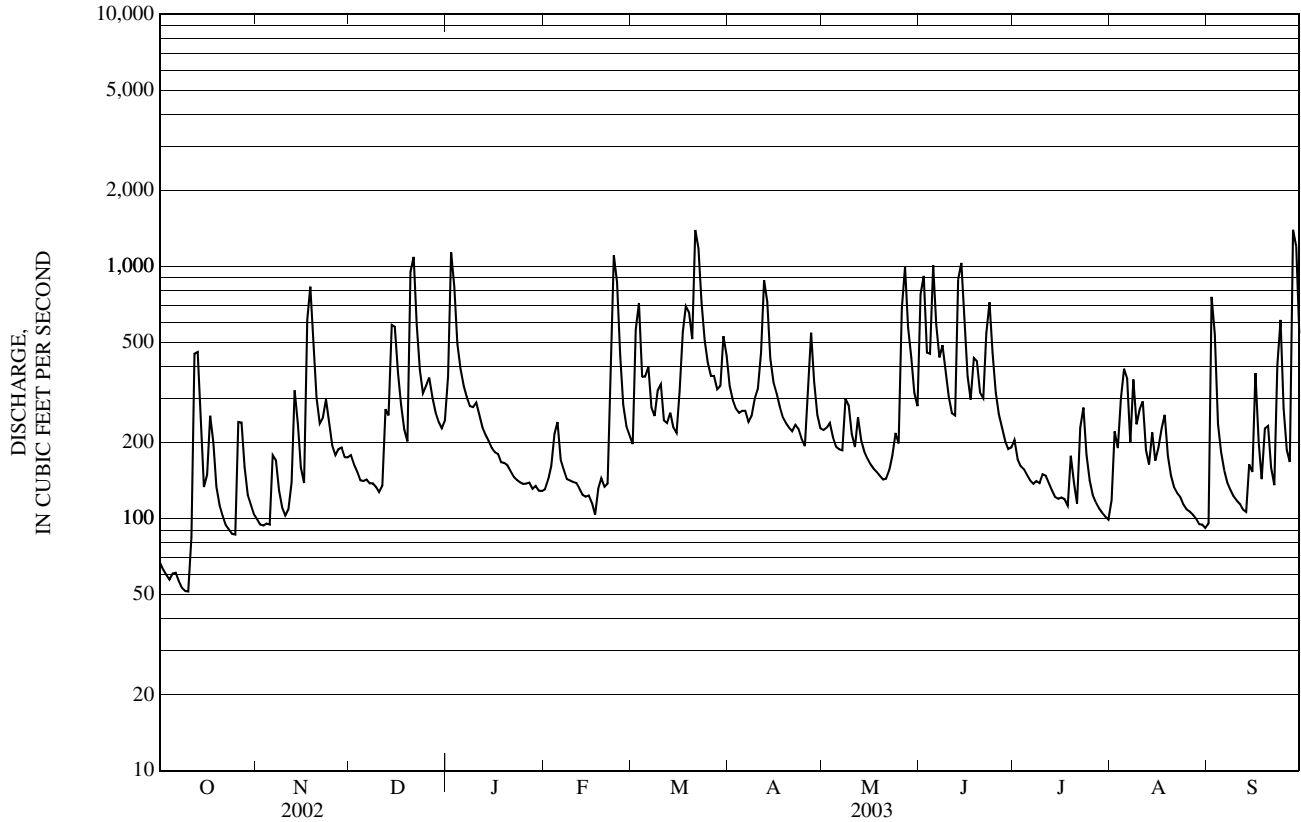
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

	1931	1936	1966	1966	2002	2002	1966	1941	1957	1966	1966	1986
MEAN	132	186	229	257	269	384	355	248	191	117	110	116
MAX	554	658	657	890	611	792	1,169	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	81.9	163	107	88.1	61.4	37.5	27.1	41.7
(WY)	(1931)	(1966)	(1966)	(1966)	(2002)	(2002)	(1966)	(1941)	(1957)	(1966)	(1966)	(1986)

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	52,982		101,397			
ANNUAL MEAN	145		278		216	
HIGHEST ANNUAL MEAN					357	1984
LOWEST ANNUAL MEAN					84.6	1966
HIGHEST DAILY MEAN	1,090	Dec 21	1,400	Mar 21	7,210	Jun 6, 1982
LOWEST DAILY MEAN	40	Aug 19	51	Oct 10	9.0	Nov 2, 1930
ANNUAL SEVEN-DAY MINIMUM	41	Aug 13	56	Oct 4	16	Aug 28, 1966
MAXIMUM PEAK FLOW			2,690	Sep 28	8,200	Jun 6, 1982
MAXIMUM PEAK STAGE			9.65	Sep 28	14.02	Jun 6, 1982
INSTANTANEOUS LOW FLOW			a 49	Oct 9	8.0	Nov 2, 1930
10 PERCENT EXCEEDS	260		547		420	
50 PERCENT EXCEEDS	106		207		150	
90 PERCENT EXCEEDS	52		109		60	

a Also occurred Oct. 10.



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 29...	1130	116	2.1	10.5	91	7.5	313	9.0	9.0	97	30.0	5.26	3.08
DEC 10...	1115	125	2.4	13.6	99	7.3	402	2.0	2.5	120	36.2	6.54	2.77
FEB 10...	1130	136	3.0	--	--	7.6	404	2.0	2.5	110	35.0	5.99	2.50
APR 10...	1100	321	4.9	13.7	109	7.5	405	11.0	6.0	96	29.6	5.23	1.72
JUN 04...	0900	403	8.5	9.3	90	7.0	241	15.5	14.5	73	22.4	4.08	1.66
JUL 07...	1030	132	3.5	8.1	98	7.4	366	24.5	22.5	120	38.1	6.72	2.60
AUG 18...	1030	260	18	7.9	89	7.6	282	25.0	21.5	83	25.5	4.71	2.24
SEP 16...	0930	399	22	8.8	96	7.5	242	20.0	19.5	77	23.7	4.25	2.12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 29...	21.4	70	85	0.0	37.0	<0.17	12.5	16.8	181	183	1.3	1.4	0.92
DEC 10...	27.3	88	107	0.0	46.8	<0.17	14.1	17.8	234dc	231	1.5	1.5	1.16
FEB 10...	34.1	75	92	0.0	60.5	0.14	11.9	17.1	238	235	0.40	0.49	0.16
APR 10...	38.8	61	74	0.0	66.3	0.07	9.38	14.5	233	222	0.27	0.44	0.10
JUN 04...	17.4	53	65	0.0	29.2	<0.2	10.5	11.1	162	145	0.46	0.64	0.15
JUL 07...	26.3	78	95	0.0	46.4	<0.2	14.8	18.7	228	215	0.30	0.49	<0.04
AUG 18...	17.8	64	78	0.0	32.4	<0.2	10.7	11.3	195	170	0.39	0.65	0.05
SEP 16...	15.5	54	66	0.0	27.2	<0.2	9.12	10.0	179	151	0.28	0.60	<0.04

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
OCT 29...	2.18	0.128	0.45	0.14	0.156	0.19	3.6	5.7	--	3,700	8	E.24	82
DEC 10...	2.71	0.091	0.34	0.31	0.32	0.39	4.2	3.9	--	4,300	4	E.25	106
FEB 10...	2.88	0.026	0.33	0.19	0.20	0.23	3.4	3.1	88	156	6	E.18	110
APR 10...	1.90	0.017	0.34	0.10	0.117	0.161	2.3	4.1	120	420	10	<0.30	88
JUN 04...	1.37	0.032	0.49	0.07	0.096	0.141	2.0	6.0	660	660	11	<0.30	67
JUL 07...	2.78	0.042	--	0.16	0.186	0.22	3.3	3.7	100	176	9	<0.30	101
AUG 18...	1.80	0.034	0.60	0.12	0.146	0.22oc	2.5	6.6	1,600	4,800	8	E.19n	78
SEP 16...	1.55	0.008	--	0.14	0.166	0.26oc	2.2	5.7	11,000k	16,100k	8	<0.30	69

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 29...	<0.06	0.08	<0.8	0.308	3.2	106	0.14	52.1	3.0	3.73	<0.2	8	0.18
DEC 10...	<0.06	0.09	<0.8	0.338	2.6	24	0.15	123	4.1	3.40	<0.2	10	0.33
FEB 10...	<0.06	0.13	<0.8	0.315	2.6	54	0.09	160	1.3	4.89	<0.2	11	0.32
APR 10...	<0.06	0.08	E.4	0.182	2.5	86	0.16	90.8	0.7	2.14	<0.2	7	0.24
JUN 04...	<0.06	0.06	<0.8	0.165	3.2	137	0.26	60.1	0.8	1.77	<0.2	6	0.14
JUL 07...	<0.06	0.07	<0.8	0.222	2.8	78	0.08	54.5	1.3	3.02	<0.2	5	0.30
AUG 18...	<0.06	0.04	<0.8	0.169	3.5	43	0.09	37.6	1.2	2.32	<0.2	4	0.17
SEP 16...	<0.06	0.04	<0.8	0.125	3.6	26	0.17	18.9	1.0	1.24	<0.2	3	0.13

Value qualifier codes used in this table:

- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

Null value qualifier codes used in this table:

- x -- Result failed quality assurance review

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. Rt. 5, at North Haven, 2.3 mi downstream from Wharton Brook and 0.9 mi upstream from Watermans Brook.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--Water year 1974 to current year.

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 29...	0930	3.0	9.1	80	7.4	323	7.5	10.0	95	29.6	5.21	3.16	23.8
DEC 10...	0930	2.8	12.8	91	7.5	410	0.5	13.0	120	36.3	6.44	3.04	31.6
FEB 10...	0950	3.4	13.2	97	7.8	413	4.0	2.5	110	35.5	6.15	3.01	36.1
APR 10...	0900	5.7	12.3	95	7.4	408	7.0	5.0	93	29.0	5.09	1.97	38.5
JUN 04...	0700	7.2	8.4	83	7.4	247	13.5	15.0	70	21.8	3.89	1.79	18.4
JUL 07...	0830	4.4	6.3	73	7.6	378	27.5	22.5	120	36.8	6.63	2.97	28.2
AUG 18...	0830	26	7.0	79	7.6	283	24.5	21.5	79	24.1	4.52	2.25	17.8
SEP 16...	0730	66	7.9	86	7.5	226	20.0	19.5	70	21.8	3.81	2.46	15.8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon-ate, wat flt incrm. titr., field, mg/L (00452)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 29...	69	84	0.0	38.9	0.17	12.2	17.6	192	188	1.5	1.7	0.32	2.82
DEC 10...	88	107	0.0	49.3	0.20	14.0	19.5	251	237d	2.2	2.2	0.94	3.26
FEB 10...	80	98	0.0	57.8	0.19	11.9	19.2	249	244	1.7	1.8	0.20	3.58
APR 10...	61	74	0.0	66.4	0.10	9.39	14.7	229	230	1.0	1.1	0.19	2.27
JUN 04...	50	61	0.0	30.4	<0.2	10.5	11.9	164	150	0.86	1.1	0.15	1.63
JUL 07...	80	98	0.0	48.0	<0.2	14.4	18.4	242	227	1.1	1.3	0.08	2.93
AUG 18...	65	79	0.0	32.6	<0.2	10.2	11.7	227	171	0.64	1.1	E.03n	1.74
SEP 16...	48	59	0.0	25.4	<0.2	8.11	9.8	281	141	0.64	1.3	0.05	1.85

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 29...	0.090	1.4	0.26	0.26	0.31	4.5	6.3	--	2,500	6	E.28	79	<0.06
DEC 10...	0.070	1.3	0.36	0.37	0.46	5.5	5.5	--	6,000	3	E.30	98	<0.06
FEB 10...	0.032	1.6	0.34	0.37	0.39	5.4	5.3	820	2,700	5	E.22	109	<0.06
APR 10...	0.026	0.90	0.14	0.172	0.20	3.4	4.4	1,400	3,600	8	<0.30	88	<0.06
JUN 04...	0.036	0.98	0.11	0.137	0.21	2.8	6.2	160	165	12	<0.30	65	<0.06
JUL 07...	0.040	1.2	0.21	0.23	0.29	4.2	5.6	96	152	8	E.19	98	<0.06
AUG 18...	0.024	--	0.15	0.178	0.31oc	2.8	8.9	3,200	8,900k	9	E.23n	72	<0.06
SEP 16...	0.019	1.3	0.21	0.23oc	0.59oc	3.2	10.9	19,000k	31,700k	8	<0.30	62	<0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 29...	0.09	<0.8	0.310	3.6	111	0.17	53.4	3.7	4.42	<0.2	8	0.16
DEC 10...	0.12	<0.8	0.403	2.8	42	0.17	120	4.6	4.32	<0.2	12	0.30
FEB 10...	0.14	<0.8	0.417	3.3	60	0.14	130	2.8	5.27	<0.2	12	0.31
APR 10...	0.07	<0.8	0.231	2.8	85	0.19	77.3	1.3	2.63	<0.2	7	0.22
JUN 04...	0.08	<0.8	0.212	4.0	152	0.32	74.8	1.6	2.88	<0.2	7	0.12
JUL 07...	0.07	<0.8	0.269	3.3	46	E.07	49.7	2.4	3.46	<0.2	5	0.28
AUG 18...	0.05	<0.8	0.215	3.7	39	0.10	35.2	2.1	2.82	<0.2	4	0.17
SEP 16...	0.06	4.5	0.164	3.6	29	0.12	24.0	1.4	2.13	<0.2	3	0.09

Value qualifier codes used in this table:

- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

QUINNIPIAC RIVER BASIN

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 mi². Completed in 1904 for storage of water for municipal supply of city of New Britain. Usable capacity, 22,700,000 ft³. 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 mi². Completed in 1907 for storage of water for municipal supply of city of Meriden. Usable capacity, 134,000,000 ft³. Records available, September 1970 to current year. Records furnished by Water Department, city of Meriden, Conn.

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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 Ave., 0.4 mi downstream from Eatons Brook, and 2.5 mi north of Hamden.

DRAINAGE AREA.--24.5 mi².

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 estimated record, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	1745	*750	*3.32	May 26	1807	411	2.69
Jan 2	0600	411	2.69	Jun 1	0837	416	2.70
Mar 21	0700	673	3.19	Jun 5	0307	445	2.76

Minimum discharge, 3.0 ft³/s, Oct. 8, 9, gage height, 1.12 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	11	35	97	e25	14	77	58	329	47	21	10
2	4.5	11	29	315	e26	88	71	56	153	44	34	106
3	3.9	10	27	144	e28	e60	66	52	92	41	21	48
4	3.9	10	e21	114	e30	e40	64	48	131	40	77	32
5	4.6	12	e20	92	e35	e40	66	44	323	37	55	24
6	3.7	37	e20	82	e15	50	63	44	145	34	51	18
7	3.6	26	e20	75	e14	e25	56	44	123	36	29	15
8	3.2	17	e19	e64	e14	e24	60	80	137	44	76	13
9	3.2	15	e19	e65	e13	e36	74	59	98	33	40	13
10	3.3	14	e18	72	e12	e28	77	48	84	33	45	12
11	15	14	e18	61	e11	e24	96	43	74	32	43	11
12	149	20	66	e48	e9.5	e26	172	70	78	30	32	11
13	73	76	53	e44	e8.4	e30	112	50	273	27	25	11
14	30	39	201	e41	e7.5	e23	82	42	217	24	22	27
15	17	26	130	e38	e6.7	e25	73	38	145	24	19	21
16	31	23	85	e36	e6.0	64	68	35	99	23	21	48
17	60	151	64	e34	e5.0	142	61	34	86	23	43	22
18	28	161	e44	e32	e4.8	178	57	32	142	21	39	16
19	18	80	e42	e31	e5.2	138	55	29	114	47	24	58
20	15	55	303	e30	4.1	109	53	28	87	30	19	35
21	12	44	300	e29	4.5	499	50	28	90	23	17	20
22	11	53	132	e28	29	256	57	32	201	30	16	16
23	10	63	97	e28	171	158	54	39	186	66	15	95
24	9.7	43	79	e27	e50	120	48	46	109	34	13	80
25	9.4	36	93	e26	e26	100	43	38	87	25	13	36
26	42	33	97	e25	e17	91	129	189	74	20	12	26
27	40	37	73	e24	e13	91	141	188	65	17	12	24
28	22	36	65	e24	e11	76	76	90	57	16	11	163
29	16	32	60	e24	---	81	63	67	54	16	10	119
30	13	34	55	e24	---	135	58	55	51	15	11	55
31	12	---	62	e24	---	97	---	52	---	14	10	---
TOTAL	672.0	1,219	2,347	1,798	601.7	2,868	2,222	1,758	3,904	946	876	1,185
MEAN	21.7	40.6	75.7	58.0	21.5	92.5	74.1	56.7	130	30.5	28.3	39.5
MAX	149	161	303	315	171	499	172	189	329	66	77	163
MIN	3.2	10	18	24	4.1	14	43	28	51	14	10	10
CFSM	0.88	1.66	3.09	2.37	0.88	3.78	3.02	2.31	5.31	1.25	1.15	1.61
IN.	1.02	1.85	3.56	2.73	0.91	4.35	3.37	2.67	5.93	1.44	1.33	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2003, BY WATER YEAR (WY)

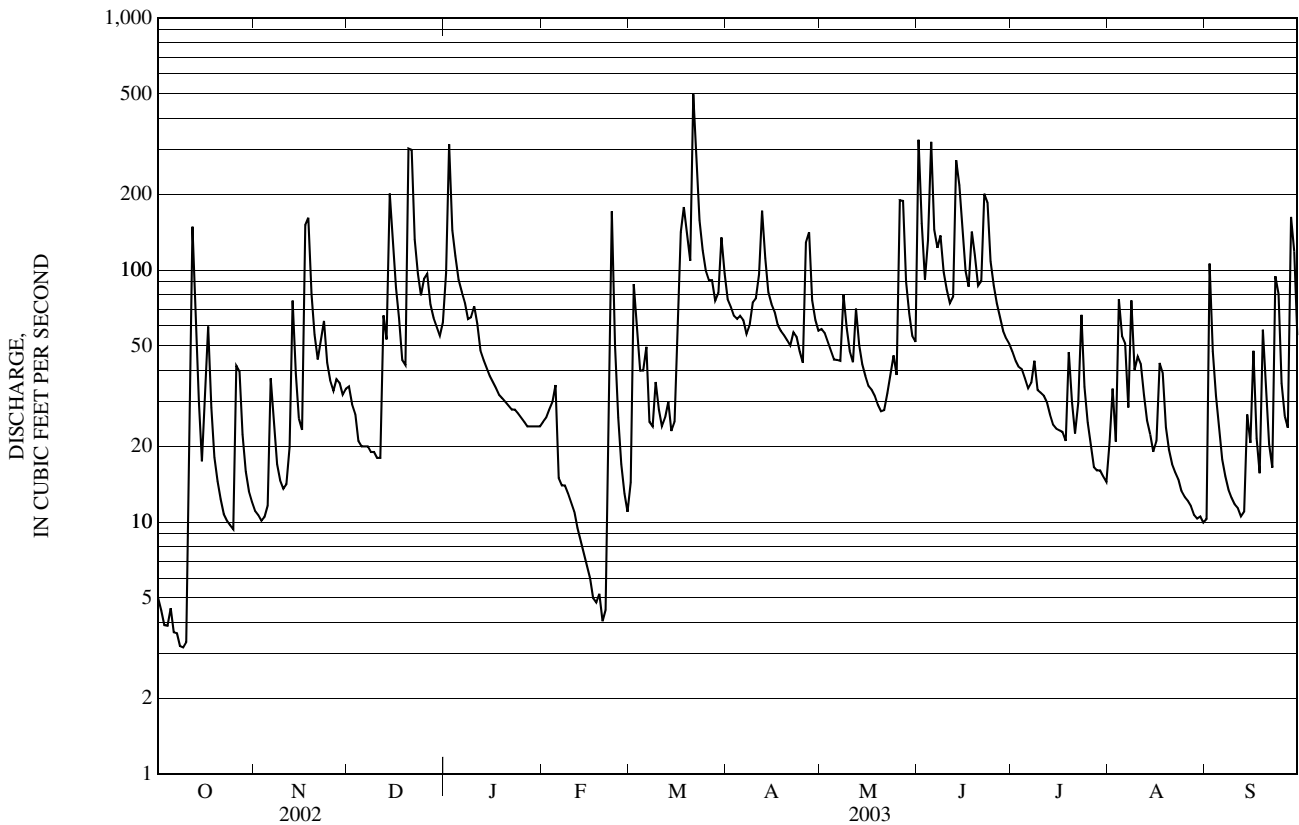
MEAN	22.9	38.1	54.7	58.8	59.5	87.7	89.7	58.8	55.4	19.2	18.7	14.6
MAX	123	99.1	192	258	108	183	317	169	411	58.2	70.0	39.5
(WY)	(1990)	(1990)	(1984)	(1979)	(1984)	(1983)	(1983)	(1989)	(1982)	(1984)	(1989)	(2003)
MIN	4.64	4.53	7.41	6.95	8.68	32.5	20.9	18.9	8.92	5.04	1.84	2.29
(WY)	(1998)	(2002)	(2002)	(2002)	(2002)	(2002)	(1985)	(1986)	(1999)	(1995)	(1999)	(1995)

e Estimated

01196620 MILL RIVER NEAR HAMDEN, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1969 - 2003	
ANNUAL TOTAL	10,006.3		20,396.7			
ANNUAL MEAN	27.4		55.9		48.1	
HIGHEST ANNUAL MEAN					85.1 1984	
LOWEST ANNUAL MEAN					17.3 2002	
HIGHEST DAILY MEAN	303	Dec 20	499	Mar 21	4,300	Jun 6, 1982
LOWEST DAILY MEAN	1.5	Aug 28	3.2	Oct 8	0.15	Sep 12, 1995
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 13	3.6	Oct 4	0.21	Sep 6, 1995
MAXIMUM PEAK FLOW			750	Dec 20	a 5,580	Jun 6, 1982
MAXIMUM PEAK STAGE			3.32	Dec 20	b 9.53	Jun 6, 1982
INSTANTANEOUS LOW FLOW			d 3.0	Oct 8	c 0.15	Sep 12, 1995
ANNUAL RUNOFF (CFSM)	1.12		2.28		1.96	
ANNUAL RUNOFF (INCHES)	15.19		30.97		26.66	
10 PERCENT EXCEEDS	61		125		98	
50 PERCENT EXCEEDS	16		37		28	
90 PERCENT EXCEEDS	3.7		11		6.4	

- a From contracted-opening measurement 0.7 mi downstream.
- b From floodmarks.
- c Also occurred Sep. 13, 1995.
- d Also occurred Oct. 9.



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 mi².

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 14...	1015	105	5.7	10.5	92	8.0	331	9.5	8.5	120	30.9	10.4	1.61
JAN 09...	1030	1,070	2.0	12.6	93	7.7	362	5.0	1.0	130	33.3	10.6	1.15
MAR 04...	1045	932	3.7	14.2	99	7.9	396	-2.0	0.0	120	32.5	10.5	1.26
MAY 27...	0845	1,050	11	9.0	88	7.3	331	21.5	13.5	130	33.5	11.1	1.42
JUN 19...	1100	700	6.4	8.0	86	7.9	327	24.0	17.5	120	31.1	10.1	0.98
JUL 10...	1030	277	4.2	7.6	88	8.1	429	26.0	21.5	150	36.4	13.4	1.64
AUG 07...	0915	731	--	6.8	82	8.0	351	25.0	23.5	130	34.1	11.6	1.47
SEP 22...	0930	418	2.7	8.4	91	8.2	383	20.0	18.5	140	33.9	12.2	1.68

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., mg/L (00453)	Carbonate, wat fltrd incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 14...	17.9	102	124	0.0	28.9	<0.17	3.39	12.4	195	182	0.33	0.48	E.03
JAN 09...	27.4	104	127	0.0	41.4	<0.17	4.52	10.5	204	198	0.21	0.25	E.04
MAR 04...	27.3	103	126	0.0	47.1	0.06	3.80	11.3	212	211	0.30	0.32	0.06
MAY 27...	18.7	105	128	0.0	32.5	<0.2	3.09	9.0	199	174	0.30	0.46	0.05
JUN 19...	18.0	103	126	0.0	30.2	<0.2	3.54	8.6	197	168	0.29	0.36	E.02
JUL 10...	24.7	134	164	0.0	43.9	<0.2	3.50	11.3	248	230	0.29	0.46	<0.04
AUG 07...	20.2	110	134	0.0	33.7	<0.2	4.64	9.3	229	186	0.36	0.50	E.04n
SEP 22...	20.7	121	148	0.0	37.4	<0.2	3.14	11.0	215	205	0.35	0.40	<0.04

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 14...	0.60	0.008	--	0.03	0.034	0.082	1.1	6.4	--	220	7	<0.30	13
JAN 09...	0.48	<0.008	--	E.01	0.016	0.032	0.73	3.2	100k	180	7	<0.30	11
MAR 04...	0.68	E.004	0.26	E.01	0.017	0.036	1.0	3.2	32	57k	7	<0.30	11
MAY 27...	0.58	0.009	0.41	E.01	0.020	0.075	1.0	5.7	640	2,700	10	<0.30	12
JUN 19...	0.45	E.005	--	E.01	0.023	0.056	0.81	4.5	110	40k	9	<0.30	13
JUL 10...	0.62	0.008	--	<0.02	0.020	0.057	1.1	4.5	53	57	9	<0.30	15
AUG 07...	0.58	0.008	--	0.04	0.053	0.102	1.1	6.2	200	333k	15	<0.30	14
SEP 22...	0.51	E.005n	--	E.02n	0.028	0.042	0.90	6.6	75	74k	15	<0.30	14

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 14...	<0.06	<0.04	<0.8	0.112	1.1	79	0.14	20.0	0.4	1.12	<0.2	2	0.34
JAN 09...	<0.06	<0.04	<0.8	0.130	0.8	73	E.07	37.3	0.3	1.73	<0.2	1	0.33
MAR 04...	<0.06	<0.04	<0.8	0.174	0.9	60	0.09	43.1	E.3	1.86	<0.2	2	0.37
MAY 27...	<0.06	<0.04	<0.8	0.143	0.9	57	E.08	28.0	0.4	1.50	<0.2	M	0.36
JUN 19...	<0.06	<0.04	<0.8	0.139	1.0	61	E.08	41.3	E.2	1.24	<0.2	M	0.29
JUL 10...	<0.06	0.04	<0.8	0.232	1.1	38	E.06n	34.3	0.8	1.56	<0.2	Mn	0.46
AUG 07...	<0.06	<0.04	<0.8	0.189	1.4	49	0.10	12.1	0.5	1.18	<0.2	1	0.30
SEP 22...	<0.06	<0.04	<0.8	0.157	1.1	50	E.07n	21.9	0.4	1.04	<0.2	<1	0.38

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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 mi².

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, 27.5° C Aug. 1, 1999; minimum daily, 0.0° C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 26.0° C July 8; minimum daily, 0.0° C on numerous days during winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	7.0	2.0	1.5	0.0	0.0	4.5	14.0	16.5	23.0	25.0	21.0
2	18.5	6.0	1.5	1.5	0.0	0.0	4.0	14.5	15.0	23.0	24.5	19.5
3	19.0	6.0	1.0	0.5	0.0	0.0	4.5	15.0	15.5	23.5	24.0	18.0
4	19.0	5.5	0.5	0.5	0.0	0.0	5.0	15.0	16.0	24.0	24.5	18.0
5	19.0	5.5	0.5	0.5	0.0	0.0	4.0	14.5	16.0	24.5	25.0	19.0
6	19.0	5.5	0.5	0.5	0.0	0.0	3.0	14.0	16.0	25.0	25.0	19.0
7	18.5	6.0	0.5	0.5	0.0	0.0	3.0	14.0	17.0	25.5	25.0	19.5
8	17.0	5.5	0.5	0.5	0.0	0.0	3.0	14.5	16.0	26.0	25.0	19.5
9	16.0	5.5	0.5	0.5	0.0	0.0	3.0	14.5	16.0	25.5	25.0	20.0
10	15.5	6.5	0.5	1.0	0.0	0.0	4.0	15.5	18.0	24.0	25.0	20.0
11	15.0	9.0	0.5	0.5	0.0	0.0	5.5	16.0	19.0	23.0	25.0	19.5
12	14.5	9.5	0.5	0.5	0.0	0.0	6.0	15.5	19.0	22.0	25.5	19.5
13	14.5	10.0	0.5	0.5	0.0	0.0	8.0	14.5	19.0	22.0	23.5	19.5
14	14.0	9.0	0.5	0.5	0.0	0.0	9.0	14.0	18.0	23.0	24.5	21.5
15	11.0	9.0	0.5	0.5	0.0	0.0	10.0	14.0	18.5	23.0	25.0	21.5
16	9.5	8.5	1.5	0.5	0.0	0.5	11.5	14.5	19.5	23.0	25.0	19.0
17	9.5	6.0	1.0	0.5	0.0	1.5	13.0	14.5	19.0	23.0	24.5	16.0
18	7.0	4.5	0.5	0.5	0.0	3.0	11.5	15.0	19.0	23.5	23.0	17.0
19	8.5	4.5	0.0	0.5	0.0	2.0	10.5	15.5	18.5	23.0	23.0	20.0
20	8.0	4.5	0.5	0.5	0.0	2.0	11.0	16.5	19.0	23.5	23.5	20.5
21	5.0	4.5	1.5	0.0	0.0	2.0	12.0	18.0	18.5	23.5	24.0	21.0
22	4.5	4.5	1.5	0.0	0.0	2.0	13.0	16.5	17.0	23.5	24.5	20.5
23	5.5	5.5	1.5	0.5	0.0	3.0	12.0	15.0	16.5	23.0	24.5	19.5
24	2.0	4.5	2.0	0.0	0.0	3.5	10.5	14.5	19.0	23.5	23.5	18.5
25	5.0	4.5	1.5	0.0	0.0	4.5	10.0	14.0	21.0	24.0	22.0	18.0
26	8.0	4.0	0.5	0.0	0.0	5.5	10.5	14.5	23.0	24.5	22.0	18.0
27	8.5	4.0	0.5	0.0	0.0	6.0	10.5	14.0	24.0	25.0	23.0	17.0
28	8.5	3.5	0.5	0.0	0.0	6.5	12.0	15.0	24.0	25.0	23.0	18.0
29	8.5	2.0	0.5	0.0	---	7.0	13.5	15.5	24.0	25.0	23.0	17.0
30	8.0	1.5	1.0	0.0	---	8.0	14.5	16.0	23.5	25.0	22.0	16.0
31	7.0	---	1.0	0.0	---	5.5	---	17.0	---	25.0	21.5	---
MEAN	11.7	5.7	0.8	0.4	0.0	2.0	8.4	15.0	18.7	23.9	24.0	19.0

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HOUSATONIC RIVER BASIN

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 mi².

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.--Records good. No estimated daily discharges. Low flow completely regulated by power plant of Connecticut Light and Power Company. High flow is regulated by flood-control reservoirs from 20.5 mi² in the Blackberry River Basin, but does not affect monthly runoff appreciably.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,610 ft³/s, Mar. 23, gage height 7.90 ft; minimum discharge, 43 ft³/s, Oct. 25, gage height 1.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	232	775	816	288	577	5,650	730	1,550	634	232	362
2	134	240	712	1,360	300	538	4,740	701	2,140	581	342	733
3	125	217	646	1,560	303	689	3,730	1,090	1,730	531	424	1,080
4	99	205	550	1,300	326	686	3,300	1,120	1,360	494	610	947
5	166	218	523	1,230	395	681	3,160	920	1,290	473	705	1,060
6	65	237	518	1,080	424	663	2,930	835	1,410	470	712	1,040
7	99	323	460	1,000	415	576	2,600	814	1,320	470	915	857
8	141	349	471	987	373	612	2,310	788	1,650	384	794	730
9	65	303	420	903	333	600	2,100	807	1,580	434	694	566
10	65	288	412	867	326	557	1,940	801	1,380	445	763	512
11	65	277	393	770	300	481	1,880	758	1,170	377	957	536
12	272	283	440	700	277	506	2,020	1,130	1,060	388	1,290	468
13	478	440	563	612	252	485	2,070	1,440	1,590	383	1,740	522
14	687	692	753	558	248	460	1,980	1,410	2,160	389	1,930	427
15	575	710	1,370	494	237	471	1,800	1,230	1,810	333	1,710	484
16	460	582	1,450	515	220	503	1,620	1,020	1,470	331	1,240	544
17	506	758	1,160	529	215	733	1,550	938	1,170	326	1,040	579
18	554	1,870	885	432	220	1,340	1,490	901	1,090	329	1,370	390
19	518	1,920	725	385	243	2,260	1,280	802	960	405	1,320	446
20	441	1,510	867	412	255	2,400	1,150	732	917	350	1,220	663
21	388	1,200	1,630	388	260	3,250	1,090	677	929	317	901	594
22	339	1,220	1,850	350	285	5,240	1,050	672	1,390	477	733	556
23	325	1,930	1,520	304	475	6,330	1,070	615	2,390	597	781	806
24	307	2,240	1,170	300	781	6,300	1,050	604	2,110	568	697	1,790
25	165	1,970	1,010	297	846	5,750	998	681	1,610	437	553	1,620
26	199	1,490	950	313	736	5,240	915	1,160	1,220	453	512	1,300
27	291	1,220	802	295	673	4,970	970	1,440	949	453	458	1,150
28	288	1,060	927	290	623	4,720	959	1,500	830	368	392	1,770
29	284	900	763	288	---	4,380	908	1,440	736	317	368	3,600
30	279	812	709	277	---	4,810	748	1,220	681	325	360	3,480
31	245	---	695	290	---	5,610	---	1,120	---	164	291	---
TOTAL	8,798	25,696	26,119	19,902	10,629	72,418	59,058	30,096	41,652	13,003	26,054	29,612
MEAN	284	857	843	642	380	2,336	1,969	971	1,388	419	840	987
MAX	687	2,240	1,850	1,560	846	6,330	5,650	1,500	2,390	634	1,930	3,600
MIN	65	205	393	277	215	460	748	604	681	164	232	362
CFSM	0.45	1.35	1.33	1.01	0.60	3.68	3.11	1.53	2.19	0.66	1.33	1.56
IN.	0.52	1.51	1.53	1.17	0.62	4.25	3.47	1.77	2.44	0.76	1.53	1.74

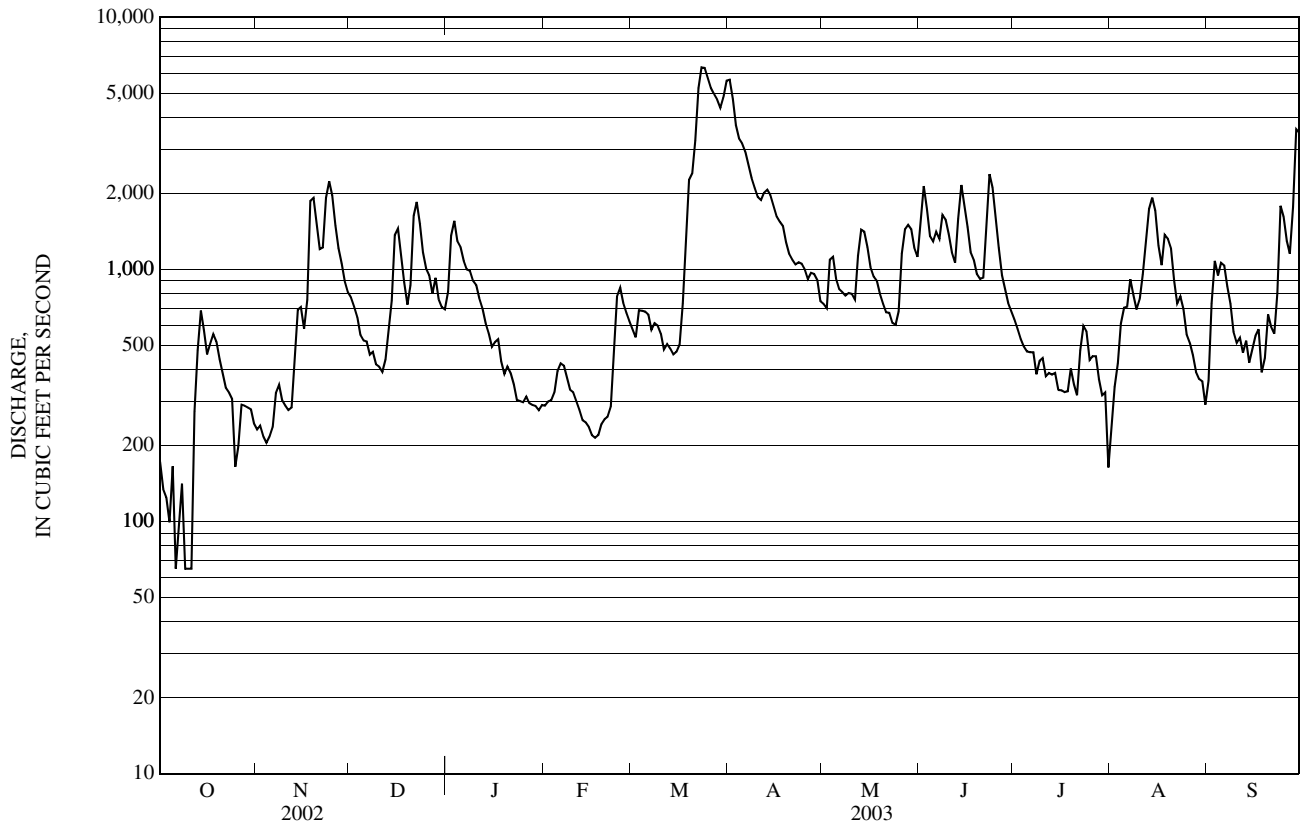
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2003, BY WATER YEAR (WY)

MEAN	611	934	1,094	1,114	1,084	1,932	2,411	1,389	904	577	502	506
MAX	2,657	3,795	3,151	4,490	2,790	5,291	5,207	2,892	3,143	2,302	2,509	3,543
(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1913 - 2003	
ANNUAL TOTAL	246,745		363,037		1,087	
ANNUAL MEAN	676		995		1,782	
HIGHEST ANNUAL MEAN					403	1928
LOWEST ANNUAL MEAN					23,700	1965
HIGHEST DAILY MEAN	3,370	May 15	6,330	Mar 23	24	Jan 1, 1949
LOWEST DAILY MEAN	41	Sep 14	65	Oct 6	51	Oct 15, 1914
ANNUAL SEVEN-DAY MINIMUM	51	Sep 10	95	Oct 5	23,900	Sep 10, 2002
MAXIMUM PEAK FLOW			6,610	Mar 23	a 19.40	Jan 1, 1949
MAXIMUM PEAK STAGE			7.90	Mar 23	b	Jan 1, 1949
INSTANTANEOUS LOW FLOW			43	Oct 25	1.71	
ANNUAL RUNOFF (CFSM)	1.07		1.57		23.30	
ANNUAL RUNOFF (INCHES)	14.48		21.30		726	
10 PERCENT EXCEEDS	1,430		1,920		229	
50 PERCENT EXCEEDS	550		697			
90 PERCENT EXCEEDS	130		281			

a From floodmarks, present site and datum.
 b Practically no flow at times when power plant was shut down.



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 Rd., 0.6 mi north of Lime Rock, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--29.4 mi².

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 ft³/s, from rating curve extended above 350 ft³/s on basis of contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 18	0915	353	2.75	Mar 30	0745	280	2.50
Jan 16	1130	308	2.60	Jun 13	2100	267	2.45
Mar 22	0145	500	3.19	Sep 28	2230	*538	*3.30

Minimum discharge, 12 ft³/s, Aug. 1, gage height, 0.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	24	55	69	26	e32	132	31	161	39	14	15
2	16	23	48	160	26	42	111	38	125	36	24	156
3	16	21	44	105	25	55	99	54	93	34	18	85
4	17	21	e40	101	31	53	97	39	80	31	24	74
5	18	25	37	85	37	39	87	36	122	31	31	63
6	16	34	38	e75	e29	43	81	37	105	36	31	50
7	16	34	e36	e68	e28	54	72	36	109	30	37	43
8	15	30	e34	65	e48	37	70	38	137	27	29	38
9	15	27	e33	e60	e30	37	68	40	100	28	24	35
10	15	26	83	e58	e26	38	66	35	84	28	44	32
11	19	25	e40	e55	e25	39	71	35	73	24	52	30
12	58	25	46	e52	e24.5	31	93	83	71	24	43	29
13	35	41	45	e50	e24.4	32	81	67	219	21	53	28
14	25	37	89	e48	e24.3	36	71	58	194	19	51	37
15	21	36	112	e46	e24.2	32	64	51	122	18	36	48
16	22	35	84	e44	e24	41	58	46	96	20	33	40
17	34	177	68	e42	e24	83	52	37	82	22	49	35
18	27	322	e64	e41	36	154	48	34	79	19	87	32
19	24	171	e62	e40	e31	175	47	32	75	18	58	53
20	23	121	83	e39	e27	143	44	30	71	16	45	48
21	22	101	124	e39	e25	328	41	30	71	16	37	38
22	19	128	93	e38	32	433	42	30	130	45	34	34
23	18	192	80	e38	72	365	46	29	134	31	34	131
24	18	140	70	e38	e60	248	42	31	90	28	25	139
25	21	109	65	e37	e47	212	37	30	73	30	21	83
26	32	91	78	e37	e41	201	39	103	61	21	19	85
27	31	82	65	e37	e37	187	42	104	54	18	18	74
28	27	70	58	e36	e34	153	37	100	53	17	16	259
29	26	62	54	e36	---	150	34	91	45	15	16	333
30	24	60	50	e36	---	258	32	73	43	14	16	153
31	24	---	56	e35	---	191	---	68	---	13	15	---
TOTAL	711	2,290	1,934	1,710	918.4	3,922	1,904	1,546	2,952	769	1,034	2,300
MEAN	22.9	76.3	62.4	55.2	32.8	127	63.5	49.9	98.4	24.8	33.4	76.7
MAX	58	322	124	160	72	433	132	104	219	45	87	333
MIN	15	21	33	35	24	31	32	29	43	13	14	15
CFSM	0.78	2.60	2.12	1.88	1.12	4.30	2.16	1.70	3.35	0.84	1.13	2.61
IN.	0.90	2.90	2.45	2.16	1.16	4.96	2.41	1.96	3.74	0.97	1.31	2.91

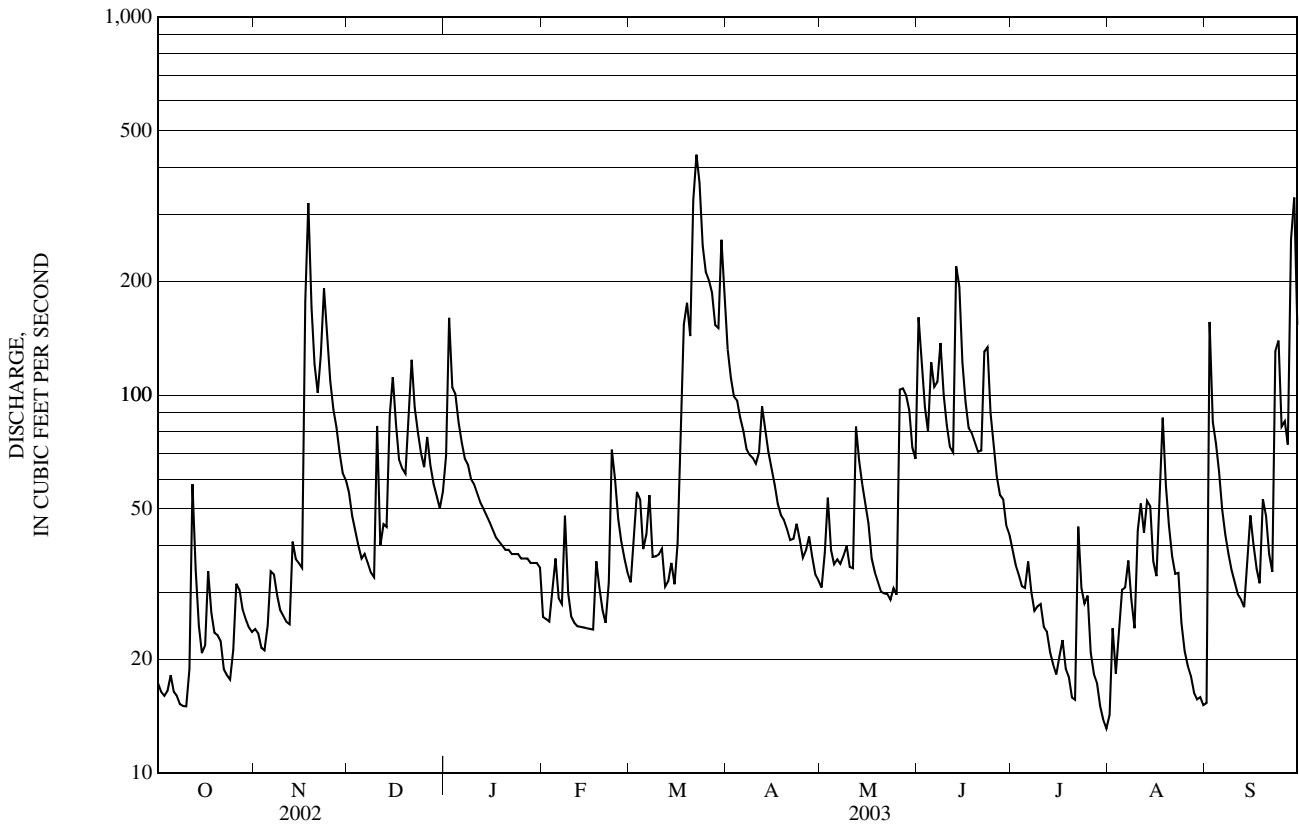
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	31.5	41.0	52.9	50.7	54.7	84.8	92.6	60.9	43.0	26.2	21.9	22.1
MAX	100	92.2	155	130	134	194	198	181	118	94.1	95.1	76.7
(WY)	(1978)	(1996)	(1984)	(1979)	(1982)	(1977)	(1997)	(1984)	(1972)	(1996)	(1976)	(2003)
MIN	6.99	5.56	8.07	4.97	8.91	27.6	26.6	20.6	9.50	5.27	4.86	3.48
(WY)	(1965)	(1965)	(1981)	(1981)	(1980)	(2002)	(1985)	(1965)	(1964)	(1993)	(1964)	(1964)

e Estimated

01199050 SALMON CREEK AT LIME ROCK, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	12,416.0		21,990.4		48.5	
ANNUAL MEAN	34.0		60.2		73.3	
HIGHEST ANNUAL MEAN					15.9	1996
LOWEST ANNUAL MEAN					1.5	1965
HIGHEST DAILY MEAN	322	Nov 18	433	Mar 22	1,730	May 30, 1984
LOWEST DAILY MEAN	4.0	Aug 19	13	Jul 31	1.5	Aug 11, 1964
ANNUAL SEVEN-DAY MINIMUM	4.3	Aug 13	16	Oct 4	2.1	Aug 31, 1995
MAXIMUM PEAK FLOW			538	Sep 28	1,840	Mar 6, 1979
MAXIMUM PEAK STAGE			3.30	Sep 28	5.90	Mar 6, 1979
INSTANTANEOUS LOW FLOW			12	Aug 1	0.70	Sep 25, 1964
ANNUAL RUNOFF (CF5M)	1.16		2.05		1.65	
ANNUAL RUNOFF (INCHES)	15.71		27.82		22.40	
10 PERCENT EXCEEDS	74		123		101	
50 PERCENT EXCEEDS	23		40		32	
90 PERCENT EXCEEDS	7.4		21		8.7	



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 mi².

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 poor. Infrequent regulation at low flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 18	1645	1,490	4.50	Sep 29	0915	1,900	5.07
Mar 22	0630	*3,840	*7.10				

Minimum discharge, 28 ft³/s, Oct. 8, 9, 10, 11, gage height, 0.78 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	59	e240	e950	196	333	857	215	756	234	72	61
2	45	57	e230	e750	192	395	774	240	723	207	83	596
3	40	55	e220	e600	197	554	701	362	523	186	99	661
4	37	54	e215	e500	228	438	649	293	476	177	122	394
5	36	53	e215	e440	289	447	620	250	548	172	160	356
6	33	69	e210	e400	237	471	593	236	519	154	170	282
7	32	84	e210	e360	233	397	531	238	451	142	147	235
8	29	78	e205	e345	198	421	528	235	579	148	138	197
9	29	73	e180	e330	201	431	540	236	488	152	130	174
10	28	70	e190	e320	198	432	534	216	423	204	152	148
11	33	68	e205	e380	184	372	510	200	370	162	229	131
12	77	69	e215	e380	175	373	602	272	351	159	215	117
13	122	92	e340	e320	158	389	544	264	635	135	176	110
14	94	114	e520	e280	e155	364	471	235	690	120	148	135
15	78	101	e610	e240	e150	362	441	216	527	111	126	241
16	78	99	e500	e220	e140	471	414	197	435	108	110	224
17	143	688	e420	e190	e145	871	374	186	377	103	115	188
18	141	1,200	e460	e180	e170	1,420	347	173	360	102	252	159
19	114	874	e550	e170	e320	1,660	335	157	365	109	185	262
20	100	659	e630	e160	e300	1,550	318	144	331	96	141	410
21	89	537	e600	e155	e177	2,640	295	136	347	89	118	251
22	78	560	e480	e150	192	3,640	303	136	608	222	106	200
23	70	686	e440	e148	451	2,770	321	137	794	281	97	479
24	62	594	e400	e145	546	2,000	291	142	559	195	87	916
25	58	499	e360	e140	452	1,580	269	143	460	164	78	541
26	69	e400	e370	e145	e360	1,320	276	300	394	143	73	575
27	83	e350	e380	e160	e340	1,160	299	529	341	125	70	546
28	81	e320	e310	e170	e325	968	268	365	298	112	64	1,060
29	71	e280	e320	e180	---	862	245	394	263	100	59	1,770
30	66	e260	e500	e190	---	1,120	226	328	257	87	59	1,180
31	63	---	e800	221	---	1,030	---	309	---	77	58	---
TOTAL	2,131	9,102	11,525	9,319	6,909	31,241	13,476	7,484	14,248	4,576	3,839	12,599
MEAN	68.7	303	372	301	247	1,008	449	241	475	148	124	420
MAX	143	1,200	800	950	546	3,640	857	529	794	281	252	1,770
MIN	28	53	180	140	140	333	226	136	257	77	58	61
CFSM	0.34	1.49	1.83	1.48	1.22	4.96	2.21	1.19	2.34	0.73	0.61	2.07
IN.	0.39	1.67	2.11	1.71	1.27	5.72	2.47	1.37	2.61	0.84	0.70	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

MEAN	144	242	327	365	375	642	611	352	258	151	113	113
MAX	1,222	1,067	1,083	1,118	873	1,690	1,366	779	1,078	998	1,007	1,082
(WY)	(1956)	(1956)	(1997)	(1996)	(1976)	(1977)	(1983)	(1945)	(1984)	(1938)	(1955)	(1938)
MIN	15.7	21.5	56.4	38.1	94.7	156	197	124	48.2	17.8	13.9	10.8
(WY)	(1958)	(1965)	(1965)	(1981)	(1936)	(2002)	(1966)	(1941)	(1965)	(1957)	(1993)	(1957)

e Estimated

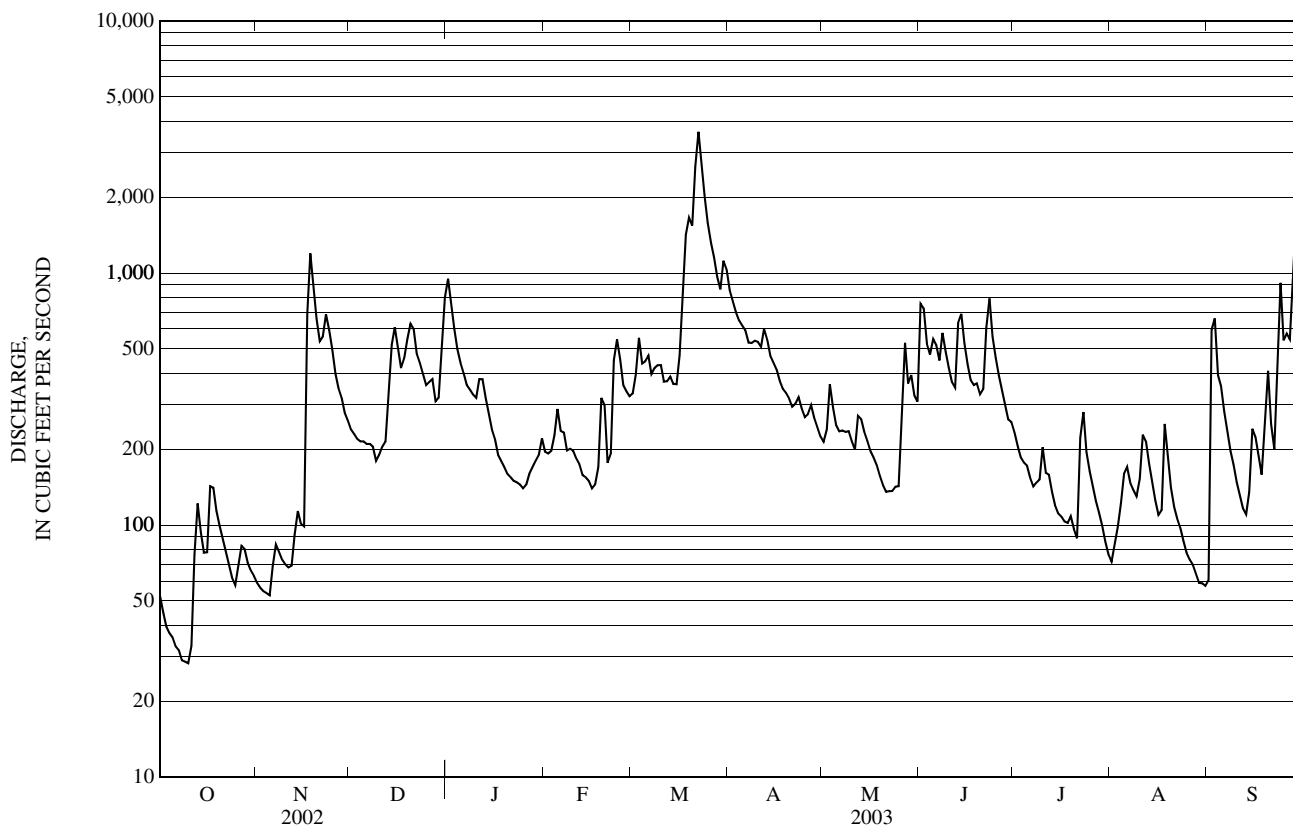
01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	69,602		126,449			
ANNUAL MEAN	191		346		307	
HIGHEST ANNUAL MEAN					497	1938
LOWEST ANNUAL MEAN					90.7	1965
HIGHEST DAILY MEAN	1,690	Jun 7	3,640	Mar 22	10,700	Aug 19, 1955
LOWEST DAILY MEAN	20	Sep 13	28	Oct 10	7.0	Oct 7, 1957
ANNUAL SEVEN-DAY MINIMUM	22	Sep 9	31	Oct 5	8.0	Oct 1, 1957
MAXIMUM PEAK FLOW			3,840	Mar 22	a 17,400	Aug 19, 1955
MAXIMUM PEAK STAGE			7.10	Mar 22	b 14.90	Aug 19, 1955
INSTANTANEOUS LOW FLOW			c 28	Oct 8	5.0	Sep 8, 1957
ANNUAL RUNOFF (CFSM)	0.94		1.71		1.51	
ANNUAL RUNOFF (INCHES)	12.75		23.17		20.55	
10 PERCENT EXCEEDS	472		641		682	
50 PERCENT EXCEEDS	109		236		193	
90 PERCENT EXCEEDS	30		75		36	

a From rating curve extended above 9,000 ft³/s.

b From high water marks.

c Also occurred Oct. 9-11.



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. Rt. 7 at Gaylordsville, 1.5 mi downstream from Tenmile River, and at mile 50.6.

DRAINAGE AREA.--996 mi².

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 record, which are fair. Ordinary flow regulated by power plant upstream. High flow is regulated by flood-control reservoirs in 20.5 mi² 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 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 22	2000	*12,200	*9.54	Mar 31	1545	7,860	7.73
Mar 26	1915	7,670	7.64	Sep 29	1145	6,830	7.23

Minimum discharge, 146 ft³/s, Oct. 11, gage height, 1.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	445	515	1,720	2,070	e780	1,530	7,680	1,250	2,940	1,120	354	429
2	365	506	1,630	3,990	e850	1,590	6,770	1,270	3,510	981	525	1,930
3	316	525	1,460	4,040	938	2,050	5,510	1,760	2,920	900	652	2,270
4	292	439	1,390	3,400	997	e1,900	4,800	1,760	2,430	869	768	1,750
5	322	478	1,250	3,120	1,190	e1,800	4,500	1,620	2,310	807	1,110	1,650
6	306	557	1,270	2,840	1,210	e1,750	4,210	1,430	2,480	771	1,130	1,570
7	206	621	1,260	2,600	1,150	e1,700	3,790	1,380	2,300	815	1,190	1,370
8	295	722	1,270	e2,400	e1,050	e1,650	3,460	1,350	2,740	726	1,180	1,060
9	271	678	1,160	e2,200	e1,000	e1,600	3,230	1,390	2,710	746	1,030	1,000
10	200	601	1,110	e2,000	e950	e1,550	3,050	1,380	2,370	844	1,210	836
11	242	574	1,030	e1,850	e900	e1,500	2,970	1,290	2,000	755	1,400	800
12	396	537	1,210	e1,700	e850	e1,450	3,220	1,490	1,850	718	1,600	755
13	803	774	1,360	e1,550	e800	e1,400	3,210	2,020	2,600	686	1,940	746
14	1,020	1,080	1,980	e1,450	e780	e1,380	2,970	2,040	3,620	567	2,130	749
15	1,040	1,210	3,050	e1,350	e760	e1,360	2,780	1,830	2,950	608	2,090	943
16	827	1,080	3,160	e1,300	e740	1,640	2,540	1,560	2,410	589	1,710	979
17	900	1,890	2,690	e1,200	e730	2,560	2,360	1,410	1,980	538	1,410	915
18	979	4,030	2,070	e1,150	e720	4,110	2,280	1,320	1,810	569	1,730	869
19	921	4,040	1,840	e1,100	e710	5,570	2,090	1,210	1,690	655	1,740	1,010
20	810	3,250	2,370	e1,050	e700	5,610	1,900	1,160	1,580	559	1,600	1,400
21	716	2,650	3,370	e1,000	e800	8,400	1,760	1,040	1,580	521	1,260	1,080
22	632	2,610	3,660	e960	901	11,900	1,790	1,020	2,370	876	1,070	975
23	600	3,450	3,200	e930	1,570	11,500	1,790	1,030	3,680	1,160	885	2,130
24	558	3,890	2,650	e900	2,160	10,200	1,750	965	3,210	978	951	3,470
25	551	3,540	2,370	e880	2,130	8,920	1,680	925	2,560	857	741	2,800
26	418	2,920	2,150	e860	1,930	7,910	1,600	1,450	2,050	691	656	2,620
27	557	2,470	2,060	e840	1,770	7,300	1,650	2,560	1,620	661	713	2,290
28	611	2,180	2,190	e820	1,670	6,770	1,640	2,320	1,420	585	509	4,020
29	606	1,950	1,930	e810	---	6,270	1,550	2,390	1,250	557	542	6,660
30	569	1,780	1,790	e800	---	7,000	1,370	2,110	1,170	505	524	5,730
31	559	---	1,790	e790	---	7,730	---	1,810	---	396	481	---
TOTAL	17,333	51,547	61,440	51,950	30,736	137,600	89,900	47,540	70,110	22,610	34,831	54,806
MEAN	559	1,718	1,982	1,676	1,098	4,439	2,997	1,534	2,337	729	1,124	1,827
MAX	1,040	4,040	3,660	4,040	2,160	11,900	7,680	2,560	3,680	1,160	2,130	6,660
MIN	200	439	1,030	790	700	1,360	1,370	925	1,170	396	354	429
CFSM	0.56	1.73	1.99	1.68	1.10	4.46	3.01	1.54	2.35	0.73	1.13	1.83
IN.	0.65	1.93	2.29	1.94	1.15	5.14	3.36	1.78	2.62	0.84	1.30	2.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

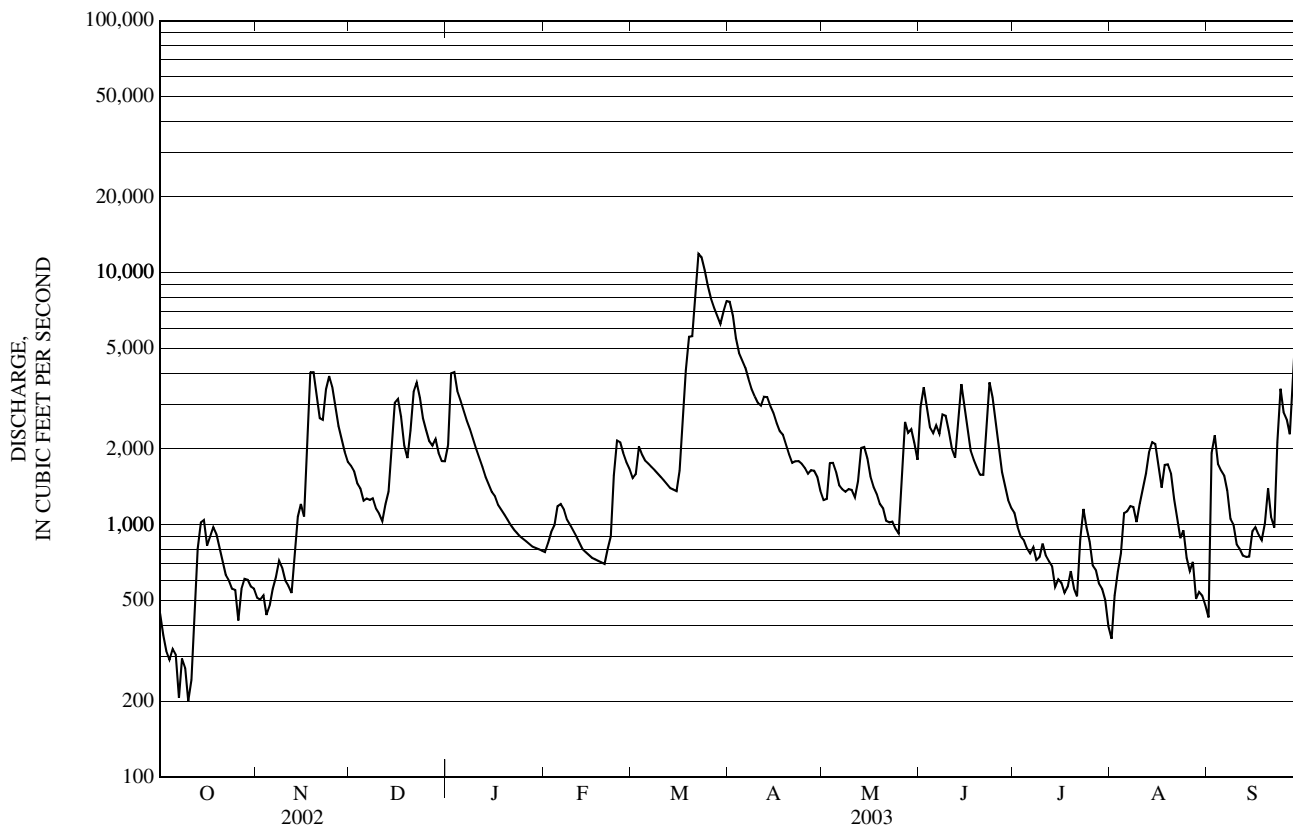
	927	1,417	1,746	1,830	1,855	3,034	3,486	2,191	1,483	877	730	650
MEAN	927	1,417	1,746	1,830	1,855	3,034	3,486	2,191	1,483	877	730	650
MAX	4,500	5,024	4,926	6,599	4,398	6,529	6,685	5,079	4,538	3,323	4,433	2,297
(WY)	(1956)	(1956)	(1997)	(1949)	(1976)	(1977)	(1993)	(1989)	(1984)	(1972)	(1955)	(1975)
MIN	203	203	411	288	592	1,037	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL TOTAL	411,245		670,403			
ANNUAL MEAN	1,127		1,837		1,683	
HIGHEST ANNUAL MEAN					2,557	1996
LOWEST ANNUAL MEAN					572	1965
HIGHEST DAILY MEAN	5,610	Jun 8	11,900	Mar 22	38,800	Aug 19, 1955
LOWEST DAILY MEAN	146	Sep 13	200	Oct 10	a 60	Aug 31, 1944
ANNUAL SEVEN-DAY MINIMUM	167	Aug 19	263	Oct 5	104	Aug 18, 1981
MAXIMUM PEAK FLOW			12,200	Mar 22	51,800	Aug 19, 1955
MAXIMUM PEAK STAGE			9.54	Mar 22	18.58	Aug 19, 1955
INSTANTANEOUS LOW FLOW			146	Oct 11	b 30	Oct 28, 1914
ANNUAL RUNOFF (CFSM)	1.13		1.84		1.69	
ANNUAL RUNOFF (INCHES)	15.36		25.04		22.97	
10 PERCENT EXCEEDS	2,400		3,450		3,660	
50 PERCENT EXCEEDS	787		1,390		1,150	
90 PERCENT EXCEEDS	229		559		330	

a Also occurred 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 Tennile River, 1.9 mi upstream from Aspetuck River and 4.7 mi upstream from Still River.

DRAINAGE AREA.--1,022 mi².

PERIOD OF RECORD.--Water years 1962, 1963, 1974 to 1991, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 14...	1330	1,950	7.1	12.2	104	8.4	348	13.0	8.5	130	33.3	12.2	1.95
JAN 09...	1430	2,560	2.0	13.8	101	7.4	306	6.5	1.5	120	30.5	11.0	1.32
MAY 27...	1245	2,670	9.2	10.2	100	7.9	287	22.0	14.0	120	30.8	11.4	1.57
JUL 10...	1345	773	3.1	9.4	109	7.9	364	24.0	22.5	140	34.2	13.7	1.61

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 14...	17.4	117	138	2	27.7	<0.17	3.11	13.1	214	189	0.25	0.48	<0.04
JAN 09...	15.4	97	118	0.0	26.5	<0.17	5.43	11.0	167	167	0.18	0.23	<0.04
MAY 27...	12.3	102	124	0.0	21.6	<0.2	4.09	8.9	177	158	0.37	0.50	<0.04
JUL 10...	14.5	135	165	0.0	27.4	<0.2	3.37	8.9	204	207	0.30	0.41	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
NOV 14...	0.42	<0.008	E.01	0.010	0.059	0.90	7.0	--	67k	3	<0.30	15	<0.06
JAN 09...	0.54	<0.008	<0.02	0.010	0.020	0.77	3.1	31	49	7	<0.30	12	<0.06
MAY 27...	0.40	E.007	<0.02	0.013	0.060	0.89	6.0	1,500	1,800k	9	<0.30	14	<0.06
JUL 10...	0.26	<0.008	<0.02	0.014	0.030	0.67	4.1	56	104	5	<0.30	15	<0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 14...	<0.04	<0.8	0.117	1.0	71	0.09	6.2	0.4	1.17	<0.2	1	0.43
JAN 09...	<0.04	<0.8	0.118	0.7	55	E.04	17.7	0.3	1.69	<0.2	M	0.35
MAY 27...	<0.04	<0.8	0.137	0.8	59	E.04	10.3	E.3	1.49	<0.2	2	0.37
JUL 10...	<0.04	E.5n	0.198	0.7	44	E.05n	10.0	0.5	1.40	<0.2	<1	0.46

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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01201487 STILL RIVER AT RT 7 AT BROOKFIELD CENTER, CT

LOCATION.--Lat 41° 27'58", long 73° 24'13", Litchfield County, Hydrologic Unit 01100005, on bridge on upstream side of State Rt. 7 South, 800 ft upstream from Silvermile Rd.

DRAINAGE AREA.--62.3 mi².

PERIOD OF RECORD.--November 7, 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 256.18 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.--Maximum discharge, 903 ft³/s, Jan. 2, gage height, 11.40 ft; minimum discharge, 18.0 ft³/s, Oct. 8, gage height, 5.75 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	42	94	224	71	113	228	116	484	87	48	43
2	29	41	84	793	84	255	207	121	348	80	62	275
3	28	42	80	430	92	298	186	131	193	76	105	149
4	28	41	70	303	142	e112	174	108	262	73	239	104
5	32	41	70	241	147	e116	174	101	507	67	211	82
6	29	113	74	209	96	194	167	99	298	61	215	63
7	27	80	71	191	89	e142	152	96	255	87	146	53
8	27	54	72	177	e78	e124	171	218	316	177	148	48
9	27	48	68	184	e76	185	195	156	222	91	132	45
10	27	46	65	195	e69	184	207	120	188	77	639	42
11	84	45	68	164	e65	140	230	110	158	73	282	40
12	289	68	241	141	e64	145	361	112	166	74	170	38
13	134	216	162	130	e63	161	269	107	483	61	126	49
14	83	106	369	119	e63	137	197	93	405	55	103	159
15	62	76	281	111	62	140	174	87	245	55	88	215
16	118	68	191	102	57	219	158	80	183	63	93	304
17	190	459	158	e91	46	353	143	76	162	102	121	145
18	102	534	127	e84	90	424	133	75	198	68	173	90
19	73	257	117	e81	93	386	129	66	190	72	93	220
20	62	177	230	e80	82	306	123	62	156	55	76	135
21	49	145	302	e76	77	669	118	64	176	51	67	89
22	42	185	183	e73	195	622	126	68	483	157	61	73
23	41	206	149	72	525	456	127	79	302	206	57	341
24	39	137	132	69	368	338	116	96	213	118	50	358
25	42	110	135	71	219	273	107	85	169	84	46	170
26	139	103	151	72	e145	238	181	315	140	64	44	131
27	96	119	146	e66	e130	250	209	380	121	60	43	107
28	64	106	133	65	125	224	143	176	103	62	40	454
29	56	91	123	71	---	223	125	132	94	51	39	408
30	46	91	117	65	---	461	115	110	91	44	40	213
31	44	---	137	65	---	299	---	127	---	40	38	---
TOTAL	2,140	3,847	4,400	4,815	3,413	8,187	5,145	3,766	7,311	2,491	3,795	4,643
MEAN	69.0	128	142	155	122	264	172	121	244	80.4	122	155
MAX	289	534	369	793	525	669	361	380	507	206	639	454
MIN	27	41	65	65	46	112	107	62	91	40	38	38
CFSM	1.11	2.06	2.28	2.49	1.96	4.24	2.75	1.95	3.91	1.29	1.96	2.48
IN.	1.28	2.30	2.63	2.88	2.04	4.89	3.07	2.25	4.37	1.49	2.27	2.77

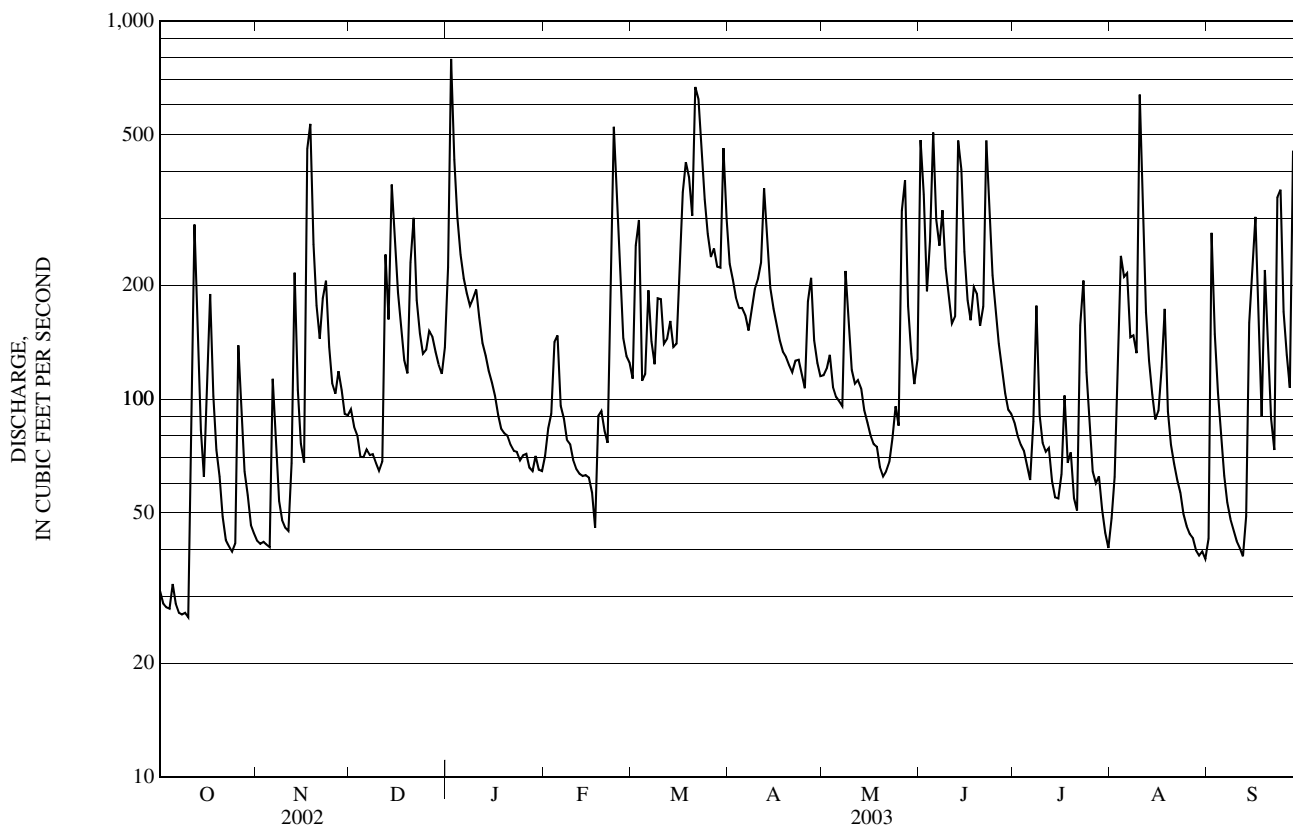
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	69.0	128	92.0	99.2	89.2	175	124	127	187	60.9	84.5	105
MAX	69.0	128	142	155	122	264	172	132	244	80.4	122	155
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)
MIN	69.0	128	42.1	43.0	56.4	85.9	76.8	121	130	41.5	46.6	55.1
(WY)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2002)	(2002)

e Estimated

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	30,653		53,953		148	
ANNUAL MEAN	84.0		148		148	
HIGHEST ANNUAL MEAN					148	2003
LOWEST ANNUAL MEAN					148	2003
HIGHEST DAILY MEAN	621	Jun 7	793	Jan 2	793	Jan 2, 2003
LOWEST DAILY MEAN	18	Aug 27	27	Oct 7	18	Aug 27, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Aug 22	28	Oct 4	20	Aug 22, 2002
MAXIMUM PEAK FLOW			903	Jan 2	903	Jan 2, 2003
MAXIMUM PEAK STAGE			11.40	Jan 2	11.40	Jan 2, 2003
INSTANTANEOUS LOW FLOW			18	Oct 8	13	Aug 28, 2002
ANNUAL RUNOFF (CFSM)	1.35		2.37		2.37	
ANNUAL RUNOFF (INCHES)	18.30		32.22		32.24	
10 PERCENT EXCEEDS	160		298		298	
50 PERCENT EXCEEDS	61		116		116	
90 PERCENT EXCEEDS	29		46		46	



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

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 13...	1230	203	8.6	9.2	79	7.3	302	8.5	10.0	110	27.0	9.25	4.24
JAN 23...	1200	66	3.8	12.7	88	7.8	607	<-5.0	0.0	190	47.5	16.4	6.18
MAR 03...	1315	240	15	15.2	106	7.1	362	<-5.0	0.5	87	22.6	7.53	2.51
MAY 20...	1015	60	4.3	7.9	80	7.7	577	25.0	15.5	190	51.1	15.4	5.81
JUN 16...	1245	180	6.3	8.0	84	7.7	387	23.5	18.0	130	35.1	11.1	2.77
JUL 08...	1215	132	15	6.2	73	7.4	353	30.5	22.5	120	32.1	9.93	4.25
AUG 11...	0915	250	26	7.0	81	7.3	315	26.0	22.5	110	30.7	8.81	2.89
SEP 18...	1115	84	2.9	8.1	85	7.8	440	22.0	18.0	160	41.0	13.0	4.57

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., mg/L (00453)	Carbonate, wat fltrd incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 13...	18.0	84	103	0.0	28.5	<0.17	7.75	14.2	196	180	0.43	0.65	E.02
JAN 23...	44.0	148	181	0.0	73.6	0.22	10.9	29.2	350	341	2.1	2.2	1.75
MAR 03...	33.2	61	74	0.0	59.1	0.08	6.31	11.6	215	194	0.53	0.70	0.26
MAY 20...	39.1	127	155	0.0	71.6	0.2	7.63	25.0	382	366	0.71	0.86	0.10
JUN 16...	23.9	102	124	0.0	44.6	<0.2	8.72	13.8	242	216	0.31	0.48	E.03
JUL 08...	21.8	90	110	0.0	36.9	<0.2	8.07	14.8	225	208	0.53	0.87	0.04
AUG 11...	18.0	86	105	0.0	33.0	<0.2	8.58	10.2	225	188	0.43	0.73	<0.04
SEP 18...	30.3	114	139	0.0	51.8	<0.2	10.4	15.9	286	274	0.42	0.56	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00660)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 13...	1.43	0.018	--	0.16	0.198	0.25	2.1	8.9	--	10,800k	10	E.22	20
JAN 23...	3.98	0.037	0.43	0.50	0.50	0.60	6.2	5.9	2,400	2,100	4	E.28	33
MAR 03...	1.29	0.017	0.44	0.08	0.103	0.20	2.0	6.0	100	265k	9	E.16	18
MAY 20...	6.71	0.042	0.76	0.06	0.083	0.138	7.6	4.6	230	540	8	0.31	37
JUN 16...	1.62	0.014	--	0.03	0.045	0.102	2.1	7.9	240	310	10	<0.30	26
JUL 08...	1.97	0.039	0.83	0.05	0.073	0.187	2.8	8.5	18,000k	40,600k	11	0.33	26
AUG 11...	1.16	E.006n	--	0.04	0.060	0.155	1.9	8.9	1,600	6,800k	14	E.17n	24
SEP 18...	3.05	0.010	--	0.08	0.098	0.131	3.6	5.6	420	720	8	E.25n	28

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 13...	<0.06	E.02	<0.8	0.153	3.2	139	0.32	46.3	1.4	1.53	<0.2	9	0.49
JAN 23...	<0.06	E.02	E.8	0.353	2.4	60	0.16	127	3.7	3.18	<0.2	29	1.83
MAR 03...	<0.06	E.02	<0.8	0.207	1.8	74	0.19	56.6	1.4	2.15	<0.2	7	0.44
MAY 20...	<0.06	E.02	<0.8	0.329	3.5	110	0.17	119	3.9	3.39	<0.2	15	1.23
JUN 16...	<0.06	<0.04	<0.8	0.183	1.8	106	0.16	41.0	1.5	1.01	<0.2	4	0.76
JUL 08...	E.03n	E.03n	<0.8	0.177	2.7	73	0.19	42.9	2.4	1.68	<0.2	5	0.56
AUG 11...	<0.06	<0.04	<0.8	0.187	2.4	90	0.24	28.5	1.8	1.47	<0.2	2	0.46
SEP 18...	<0.06	E.02n	<0.8	0.190	2.5	46	0.11	40.8	3.4	1.37	<0.2	4	0.75

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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 mi².

PERIOD OF RECORD.--August 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Satellite telemetry at station.

REMARKS.--Records fair. Flow regulated by Shepaug Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 726 ft³/s, Mar. 21, 22, gage height, 3.16 ft; minimum discharge, 4.3 ft³/s, on several days, gage height, 0.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	10	45	64	11	e13	98	20	290	22	12	12
2	9.9	13	42	210	12	e16	80	37	197	18	16	334
3	9.2	16	39	143	12	46	67	115	111	16	7.1	205
4	9.2	19	32	102	13	43	59	67	88	14	15	128
5	9.1	13	33	79	18	36	56	45	88	14	43	101
6	9.9	9.1	33	68	e13	36	51	38	73	13	56	69
7	11	8.5	29	55	e12.8	30	46	35	61	12	44	50
8	9.2	9.5	30	45	e12.5	25	45	44	72	12	37	42
9	9.0	8.7	27	41	e13	25	43	47	62	9.5	31	35
10	8.4	9.6	26	40	e13.5	25	44	39	52	5.5	75	23
11	8.8	15	27	37	e13	22	50	32	44	4.8	70	11
12	11	22	34	34	e12.8	18	61	32	42	4.7	46	11
13	9.6	16	36	31	e13	19	50	31	165	4.7	40	9.5
14	9.5	24	67	27	e13.5	18	36	30	153	4.7	50	9.7
15	9.4	45	85	23	e13	17	28	27	93	4.7	33	26
16	10	42	62	e21	e14	22	25	24	62	4.7	28	55
17	11	102	44	e19	e30	50	20	22	48	4.8	69	48
18	11	168	36	e18	e190	133	16	20	48	5.3	108	37
19	11	101	34	e16	e80	182	14	18	52	5.2	77	47
20	11	71	60	e16.5	e70	123	13	16	48	5.2	42	56
21	11	60	106	e15	e100	515	15	6.3	50	5.3	26	44
22	12	74	72	e14	e130	621	23	4.7	177	6.0	18	35
23	12	125	56	e13	e180	438	26	4.6	155	6.2	14	265
24	12	106	50	e12.5	e80	270	25	4.7	92	18	9.7	287
25	12	84	48	e12	38	197	19	4.6	63	34	8.9	136
26	13	67	46	e12.5	28	160	24	28	48	24	8.8	132
27	11	62	e54	e12.8	20	143	38	89	40	19	8.7	114
28	10	55	e52	e13	e14	114	32	67	32	16	8.8	386
29	8.5	50	e51	14	---	101	26	66	25	13	8.7	375
30	8.3	47	e52	31	---	152	23	57	23	11	8.6	212
31	8.2	---	e60	13	---	132	---	48	---	10	9.0	---
TOTAL	314.6	1,452.4	1,468	1,252.3	1,170.1	3,742	1,153	1,118.9	2,554	347.3	1,028.3	3,295.2
MEAN	10.1	48.4	47.4	40.4	41.8	121	38.4	36.1	85.1	11.2	33.2	110
MAX	13	168	106	210	190	621	98	115	290	34	108	386
MIN	8.2	8.5	26	12	11	13	13	4.6	23	4.7	7.1	9.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

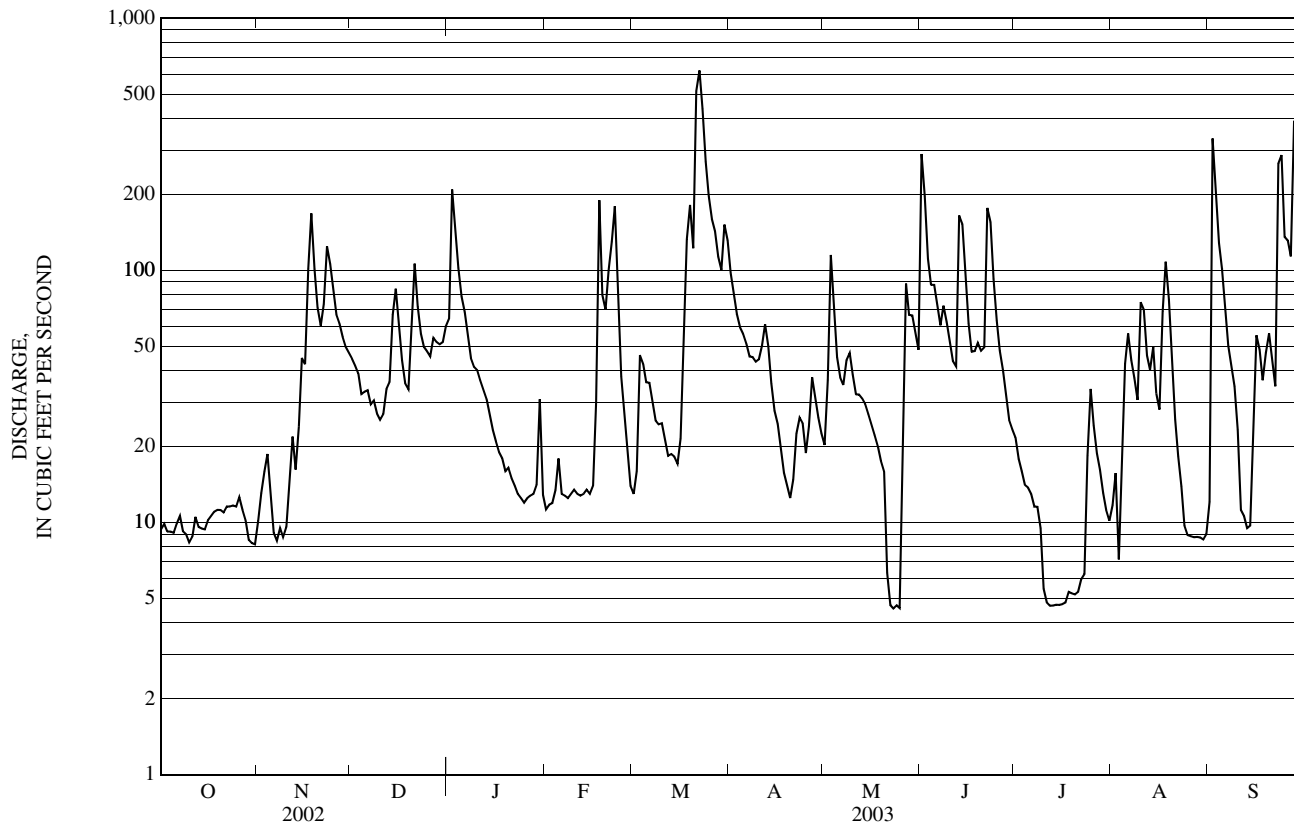
MEAN	7.34	25.7	41.1	20.0	23.8	75.0	79.7	44.0	84.7	10.2	15.4	40.7
MAX	10.1	48.4	71.6	40.4	41.8	121	160	63.4	94.8	11.2	33.2	110
(WY)	(2003)	(2003)	(2001)	(2003)	(2003)	(2003)	(2001)	(2002)	(2002)	(2003)	(2003)	(2003)
MIN	5.31	3.78	4.33	4.55	6.26	23.8	38.4	32.5	74.1	8.64	6.35	5.30
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2001)	(2002)	(2002)	(2002)

e Estimated

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	10,946.0		18,896.1		38.9	
ANNUAL MEAN	30.0		51.8		22.3	
HIGHEST ANNUAL MEAN					51.8	2003
LOWEST ANNUAL MEAN					22.3	2002
HIGHEST DAILY MEAN	739	Jun 7	621	Mar 22	739	Jun 7, 2002
LOWEST DAILY MEAN	4.2	Jan 4	4.6	May 23	3.6	Dec 8, 2001
ANNUAL SEVEN-DAY MINIMUM	4.2	Jan 4	4.7	Jul 11	3.7	Nov 8, 2001
MAXIMUM PEAK FLOW			726	Mar 21	921	Jun 7, 2002
MAXIMUM PEAK STAGE			3.16	Mar 21	3.48	Jun 7, 2002
INSTANTANEOUS LOW FLOW			a 4.3	May 23	3.6	Oct 21, 2001
10 PERCENT EXCEEDS	67		114		86	
50 PERCENT EXCEEDS	9.9		31		16	
90 PERCENT EXCEEDS	4.6		9.1		4.6	

a Also occurred May 24-26, 28, July 11-15, 17.



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 mi².

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 13...	1015	139	2.9	11.4	101	7.3	144	12.0	9.5	49	11.9	4.74	2.32
JAN 23...	0945	297	1.4	13.5	95	7.3	163	<-5.0	0.5	50	11.8	4.85	1.55
MAR 03...	1045	790	4.5	14.1	97	7.4	126	<-5.0	0.0	34	7.92	3.44	1.46
MAY 28...	0930	310	3.8	10.3	102	6.9	102	24.5	14.0	37	8.94	3.46	1.14
JUN 16...	0945	388	3.1	9.2	95	7.2	110	23.5	17.0	35	8.20	3.41	1.07
JUL 08...	0930	72	1.3	8.8	105	7.7	135	28.5	28.0	45	10.9	4.24	1.45
AUG 11...	1230	486	6.7	8.6	101	7.8	110	28.5	23.0	39	9.47	3.64	1.53
SEP 18...	0815	203	2.0	10.1	103	7.7	115	21.0	16.5	43	10.3	4.18	1.55

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incm. titr., field, mg/L (00453)	Carbonate, wat flt incm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 13...	7.57	40	49	0.0	11.6	<0.17	5.22	9.0	91	84	0.21	0.36	<0.04
JAN 23...	8.75	38	46	0.0	14.1	<0.17	7.42	9.9	89	89	0.17	0.21	<0.04
MAR 03...	8.17	28	34	0.0	13.7	0.05	6.15	7.5	78	77	0.26	0.31	0.07
MAY 28...	5.42	27	33	0.0	8.03	<0.2	4.83	6.3	60	51	0.34	0.38	<0.04
JUN 16...	6.23	29	35	0.0	9.89	<0.2	4.74	6.2	71	56	0.22	0.36	<0.04
JUL 08...	7.73	36	44	0.0	11.8	<0.2	3.74	6.5	76	78	0.27	0.30	<0.04
AUG 11...	5.56	31	38	0.0	8.26	<0.2	6.21	5.4	88	73	0.31	0.50	<0.04
SEP 18...	6.32	35	43	0.0	9.18	<0.2	5.13	4.7	88	75	0.26	0.38	<0.04

01203000 SHEPAUG RIVER NEAR ROXBURY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 13...	0.24	E.004	--	<0.02	0.014	0.047	0.61	6.1	--	580	11	<0.30	14
JAN 23...	0.49	<0.008	--	E.01	0.013	0.021	0.70	4.0	4k	7k	10	<0.30	14
MAR 03...	0.38	<0.008	0.24	E.01	0.018	0.042	0.69	3.8	88	96	20	<0.30	10
MAY 28...	0.17	<0.008	--	<0.02	0.018	0.050	0.55	6.2	100	128	18	<0.30	11
JUN 16...	0.10	<0.008	--	<0.02	0.011	0.034	0.46	5.4	42	58	16	<0.30	10
JUL 08...	0.10	<0.008	--	<0.02	0.014	0.025	0.40	4.1	52	85k	14	<0.30	12
AUG 11...	0.14	<0.008	--	<0.02	0.019	0.063	0.64	8.4	170	208	29	<0.30	11
SEP 18...	0.11	<0.008	--	<0.02	0.008	0.030	0.49	6.0	47	59	10	<0.30	12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 13...	<0.06	<0.04	<0.8	0.061	1.1	70	E.06	6.1	<0.3	0.53	<0.2	1	0.07
JAN 23...	<0.06	<0.04	E.7	0.080	0.9	67	E.06	8.7	E.3	0.85	<0.2	1	0.14
MAR 03...	<0.06	<0.04	<0.8	0.082	0.8	85	0.08	11.2	<0.3	0.68	<0.2	2	0.09
MAY 28...	<0.06	<0.04	<0.8	0.067	0.9	113	0.10	9.6	<0.3	0.72	<0.2	M	0.10
JUN 16...	<0.06	<0.04	<0.8	0.057	0.9	80	E.06n	5.1	<0.3	0.60	<0.2	Mn	0.10
JUL 08...	<0.06	<0.04	<0.8	0.079	1.0	75	E.04n	12.3	<0.3	0.57	<0.2	1	0.10
AUG 11...	<0.06	<0.04	<0.8	0.092	1.0	108	E.07n	8.7	E.2n	0.77	<0.2	1	0.10
SEP 18...	<0.06	<0.04	<0.8	0.059	0.7	69	<0.08	4.9	0.4	0.46	<0.2	<1	0.11

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

HOUSATONIC RIVER BASIN

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 mi².

PERIOD OF RECORD.--September 1962 to September 1976; October 1978 to September 1979; August 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 354.69 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are poor. Flow regulated by the Lockwood Reservoir. Diversion for municipal supply for town of Watertown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 759 ft³/s, Sep. 28, gage height, 4.03 ft; minimum discharge, 2.1 ft³/s, Oct. 8, gage height, 1.14 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.6	e15	89	e12	e30	75	29	322	20	9.8	8.6
2	2.5	3.2	e15	211	e11	e90	71	47	116	17	13	215
3	2.6	3.1	e14	87	e11	e70	60	47	75	15	28	70
4	2.6	3.1	e14	72	46	e50	55	34	92	15	79	47
5	3.3	3.2	e14	57	33	e45	56	29	121	13	61	34
6	2.7	14	e13	52	e23	e40	50	28	73	11	43	24
7	2.6	7.8	e13	46	e20	e38	43	27	83	10	28	20
8	2.5	5.4	e13	e43	e18	e36	46	60	81	11	33	16
9	2.4	4.9	e12	e45	e17	e34	58	42	62	13	56	14
10	2.5	4.7	e12	e40	e16	e32	61	33	50	14	92	13
11	8.1	4.9	e12	e37	e16	e31	82	31	44	13	46	12
12	27	12	37	e34	e15	e30	106	41	47	13	32	12
13	10	37	27	e32	e15	e29	67	32	171	9.3	26	12
14	7.1	14	127	e30	e14	e28	53	28	98	8.6	25	55
15	5.2	11	61	e28	e14	e27	46	25	64	7.7	19	33
16	13	9.6	44	e26	e13	113	41	23	49	7.5	16	43
17	15	120	32	e24	e13	188	36	22	41	7.3	56	24
18	8.3	100	e26	e22	e15	196	34	20	65	6.3	48	18
19	6.0	41	e22	e21	e14	147	33	18	52	6.8	25	35
20	4.9	30	e100	e20	e13	130	31	17	45	4.9	19	23
21	4.0	25	e70	e19	e12	323	29	17	68	5.0	15	18
22	3.5	47	e50	e18	e45	207	31	18	163	67	14	15
23	3.2	47	e38	e17	e157	133	31	19	119	56	12	128
24	2.8	28	e32	e16	e100	98	28	24	69	24	9.2	68
25	2.7	23	e29	e16	e60	81	25	20	50	17	7.8	38
26	15	21	e27	e15	e50	75	61	139	39	13	7.7	31
27	8.1	e19	e25	e14	e40	79	55	78	32	10	7.3	27
28	5.4	e18	e23	e14	e35	62	38	86	26	8.6	7.6	245
29	4.5	e17	e21	e13	---	97	32	66	23	7.1	5.9	116
30	4.2	e16	e20	e13	---	132	29	46	22	8.0	5.8	68
31	3.8	---	38	e12	---	89	---	58	---	7.4	6.3	---
TOTAL	187.9	693.5	996	1,183	848	2,760	1,463	1,204	2,362	446.5	853.4	1,482.6
MEAN	6.06	23.1	32.1	38.2	30.3	89.0	48.8	38.8	78.7	14.4	27.5	49.4
MAX	27	120	127	211	157	323	106	139	322	67	92	245
MIN	2.4	3.1	12	12	11	27	25	17	22	4.9	5.8	8.6
CFSM	0.34	1.31	1.82	2.16	1.71	5.03	2.76	2.19	4.45	0.81	1.56	2.79
IN.	0.39	1.46	2.09	2.49	1.78	5.80	3.07	2.53	4.96	0.94	1.79	3.12

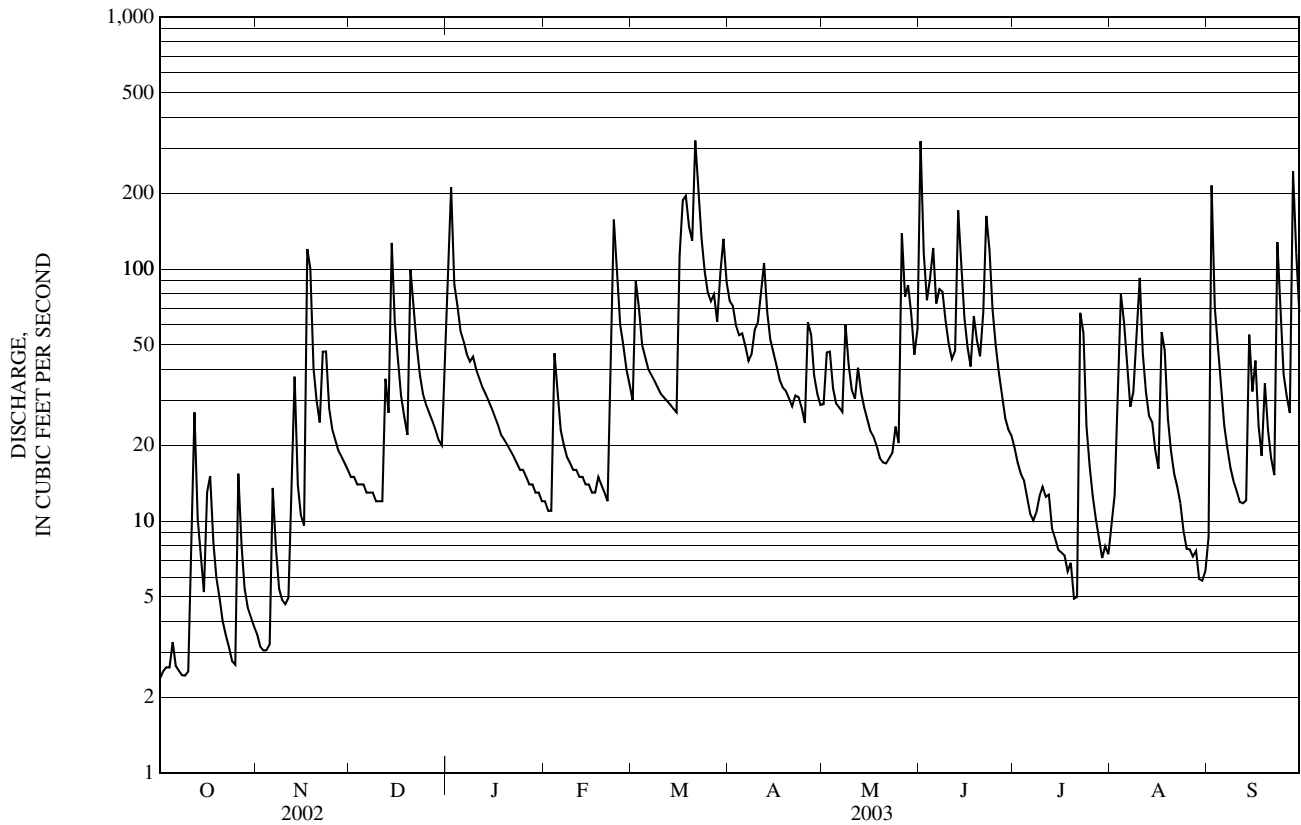
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	11.9	21.9	37.2	42.8	41.9	63.5	46.4	29.7	27.2	15.0	9.64	14.7
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	7.07	7.65	15.4	26.3	14.8	9.88	3.38	1.46	1.35	1.24
(WY)	(1965)	(1965)	(2002)	(1966)	(1969)	(2002)	(1966)	(1965)	(1965)	(1966)	(1965)	(1964)

e Estimated

01203600 NONEWAUG RIVER AT MINORTOWN, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	7,130.0		14,479.9		30.1	
ANNUAL MEAN	19.5		39.7		48.6	
HIGHEST ANNUAL MEAN					1972	
LOWEST ANNUAL MEAN					11.3	
HIGHEST DAILY MEAN	196	Jun 7	323	Mar 21	1,210	Dec 21, 1973
LOWEST DAILY MEAN	1.1	Aug 24	2.4	Oct 1	0.45	Sep 2, 1964
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 20	2.7	Oct 4	0.58	Aug 5, 2001
MAXIMUM PEAK FLOW			759	Sep 28	4,590	Jun 17, 2001
MAXIMUM PEAK STAGE			4.03	Sep 28	7.45	Jun 17, 2001
INSTANTANEOUS LOW FLOW			2.1	Oct 8	0.45	Sep 2, 1964
ANNUAL RUNOFF (CFSM)	1.10		2.24		1.70	
ANNUAL RUNOFF (INCHES)	14.99		30.43		23.14	
10 PERCENT EXCEEDS	43		88		65	
50 PERCENT EXCEEDS	14		27		16	
90 PERCENT EXCEEDS	2.6		6.3		2.7	



01203805 WEEKEEPPEEMEE RIVER AT HOTCHKISSVILLE, CT

LOCATION.--Lat 41° 33'26", long 73° 12'57", 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 mi².

PERIOD OF RECORD.--October 1978 to September 1979; August 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 249.55 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.--Maximum discharge, 1,330 ft³/s, Sep. 28, gage height, 5.82 ft; minimum discharge, 3.9 ft³/s, Oct. 8, 9, 10, gage height, 1.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	9.0	e29	105	e18	e51	101	46	379	30	15	11
2	5.0	8.6	e27	273	e22	e122	94	57	147	27	19	264
3	5.1	8.3	e26	108	e40	e107	86	65	100	25	57	83
4	4.8	8.4	e25	e80	e60	e88	81	50	118	23	164	58
5	5.4	8.9	e24	e70	e51	e82	80	45	153	21	140	44
6	4.8	25	e23	e65	e38	e76	74	43	98	18	127	32
7	4.5	17	e22	e60	e35	e73	68	42	109	17	84	26
8	4.3	12	e22	e55	e33	e70	69	79	109	19	72	23
9	4.0	12	e21	e58	e31	e67	81	59	86	21	79	20
10	4.0	11	e21	e55	e31	e64	85	49	71	22	212	18
11	9.6	11	e20	e50	e30	e60	102	45	63	19	93	16
12	33	16	98	e47	e28	e55	116	63	66	25	66	15
13	16	49	65	e44	e26	e50	83	49	214	17	53	15
14	11	26	139	e41	e25	e48	72	43	131	16	45	48
15	8.6	19	84	e38	e24	e46	66	39	89	15	37	39
16	13	16	64	e36	e23	130	61	36	70	14	31	50
17	25	148	48	e34	e22	246	55	33	61	14	37	29
18	17	144	e40	e32	e22	288	53	31	84	12	36	23
19	12	70	e36	e30	e21	198	51	28	71	13	29	71
20	10	55	113	e28	e21	186	48	26	64	11	25	39
21	9.1	45	89	e26	e20	542	47	25	78	12	21	28
22	8.4	69	63	e25	e54	331	52	25	206	65	21	24
23	8.2	79	53	e24	e322	209	48	26	133	71	19	193
24	7.9	52	47	e23	e147	158	43	35	89	34	15	92
25	7.6	44	e43	e22	e94	133	39	32	68	23	14	57
26	22	39	e40	e21	e79	121	81	164	56	17	13	50
27	17	41	e38	e20	e76	120	76	98	48	15	12	45
28	12	37	e36	e19	e67	97	56	90	40	13	11	476
29	10	e33	e34	e18	---	128	49	74	36	11	10	193
30	10	e31	e32	e17	---	174	44	55	34	10	10	118
31	9.6	---	48	e16	---	125	---	66	---	9.4	9.6	---
TOTAL	324.2	1,144.2	1,470	1,540	1,460	4,245	2,061	1,618	3,071	659.4	1,576.6	2,200
MEAN	10.5	38.1	47.4	49.7	52.1	137	68.7	52.2	102	21.3	50.9	73.3
MAX	33	148	139	273	322	542	116	164	379	71	212	476
MIN	4.0	8.3	20	16	18	46	39	25	34	9.4	9.6	11
CFSM	0.39	1.42	1.77	1.85	1.95	5.11	2.56	1.95	3.82	0.79	1.90	2.74
IN.	0.45	1.59	2.04	2.14	2.03	5.89	2.86	2.25	4.26	0.92	2.19	3.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

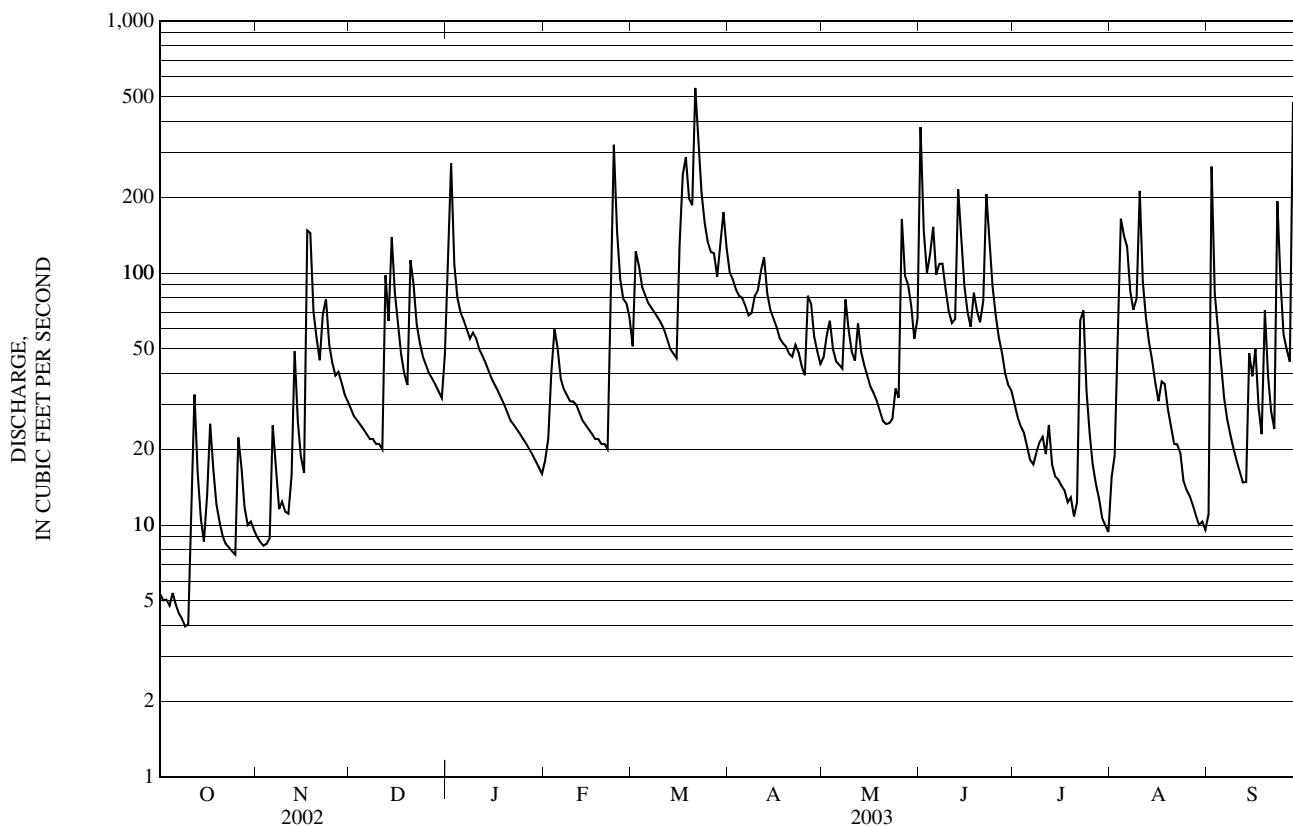
MEAN	7.86	18.2	36.0	72.2	51.8	125	80.6	61.5	62.3	11.6	18.6	27.2
MAX	10.5	38.1	48.1	187	81.9	168	104	88.5	102	21.3	50.9	73.3
(WY)	(2003)	(2003)	(2001)	(1979)	(1979)	(1979)	(1979)	(1979)	(2003)	(2003)	(2003)	(2003)
MIN	5.85	5.85	13.0	14.3	27.9	54.0	51.2	27.4	24.6	5.00	5.10	5.65
(WY)	(1979)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(1979)	(1979)	(2001)	(2002)

e Estimated

01203805 WEEKEEPPEEMEE RIVER AT HOTCHKISSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	12,076.5		21,369.4			
ANNUAL MEAN	33.1		58.5		47.7	
HIGHEST ANNUAL MEAN					61.4	1979
LOWEST ANNUAL MEAN					27.2	2002
HIGHEST DAILY MEAN	291	Jun 7	542	Mar 21	1,330	Jan 25, 1979
LOWEST DAILY MEAN	1.7	Aug 28	4.0	Oct 9	0.60	Aug 9, 1979
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 22	4.5	Oct 4	1.2	Aug 3, 1979
MAXIMUM PEAK FLOW			1,330	Sep 28	3,200	Jun 17, 2001
MAXIMUM PEAK STAGE			5.82	Sep 28	8.10	Jun 8, 2001
INSTANTANEOUS LOW FLOW			a 3.9	Oct 8	1.6	Aug 27, 2002
ANNUAL RUNOFF (CFSM)	1.23		2.18		1.78	
ANNUAL RUNOFF (INCHES)	16.76		29.66		24.19	
10 PERCENT EXCEEDS	72		121		100	
50 PERCENT EXCEEDS	24		41		26	
90 PERCENT EXCEEDS	4.1		11		4.4	

a Also occurred Oct. 9 and 10.



HOUSATONIC RIVER BASIN

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 Rd., 800 ft downstream from Bullet Hill Brook, 0.6 mi west of Southbury, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--75.1 mi².

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 record, 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 21	0700	*1,740	*7.02	Sep 28	1600	1,670	6.92
Jun 1	1200	1,460	6.62				

Minimum discharge, 9.7 ft³/s, Oct. 9, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	22	e62	225	e36	e100	278	120	960	91	44	34
2	13	21	e59	789	50	266	263	135	443	78	55	598
3	13	21	e57	349	65	317	232	178	277	73	83	235
4	12	21	e55	e250	102	181	218	131	313	69	322	156
5	13	23	e53	e210	133	e160	210	118	456	62	253	121
6	12	49	e52	e180	81	e155	205	115	287	56	220	90
7	11	43	e50	e170	e72	e150	180	109	279	54	154	74
8	10	30	e49	e160	e67	e147	186	205	322	61	138	64
9	10	27	e48	177	e64	e144	200	159	241	59	184	57
10	11	26	e47	182	e60	e141	227	132	200	66	419	53
11	22	28	e46	156	e58	e138	263	118	170	59	203	48
12	88	37	119	137	e56	e136	348	141	174	64	146	45
13	46	129	109	125	e54	e134	247	124	578	52	118	45
14	30	66	366	113	e52	e132	202	111	391	46	105	136
15	23	48	264	e105	e51	e130	184	101	261	45	87	120
16	33	41	188	e98	e50	309	167	93	197	44	77	130
17	61	343	147	e90	e49	583	152	87	170	42	114	88
18	40	388	e100	e85	63	706	144	82	227	40	145	71
19	30	185	e90	e80	56	533	139	75	203	60	91	151
20	26	135	285	e75	53	416	132	70	172	38	75	107
21	23	105	282	e70	54	1,250	126	70	178	35	63	78
22	21	151	179	e65	105	839	132	71	484	150	56	68
23	19	191	149	e60	491	534	132	75	376	202	54	378
24	19	121	129	e55	381	396	120	92	242	104	46	247
25	18	100	133	e50	210	329	112	85	184	74	41	147
26	45	89	141	e47	156	293	187	439	151	58	40	120
27	44	e82	120	e44	e140	312	217	335	129	50	37	110
28	30	e75	e100	e41	e120	250	153	240	108	44	34	904
29	26	e70	e95	e39	---	283	131	215	102	38	32	497
30	25	e65	e90	e38	---	535	122	154	98	35	32	285
31	23	---	119	e37	---	350	---	152	---	35	31	---
TOTAL	811	2,732	3,783	4,302	2,929	10,349	5,609	4,332	8,373	1,984	3,499	5,257
MEAN	26.2	91.1	122	139	105	334	187	140	279	64.0	113	175
MAX	88	388	366	789	491	1,250	348	439	960	202	419	904
MIN	10	21	46	37	36	100	112	70	98	35	31	34
CFSM	0.35	1.21	1.62	1.85	1.39	4.45	2.49	1.86	3.72	0.85	1.50	2.33
IN.	0.40	1.35	1.87	2.13	1.45	5.13	2.78	2.15	4.15	0.98	1.73	2.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2003, BY WATER YEAR (WY)

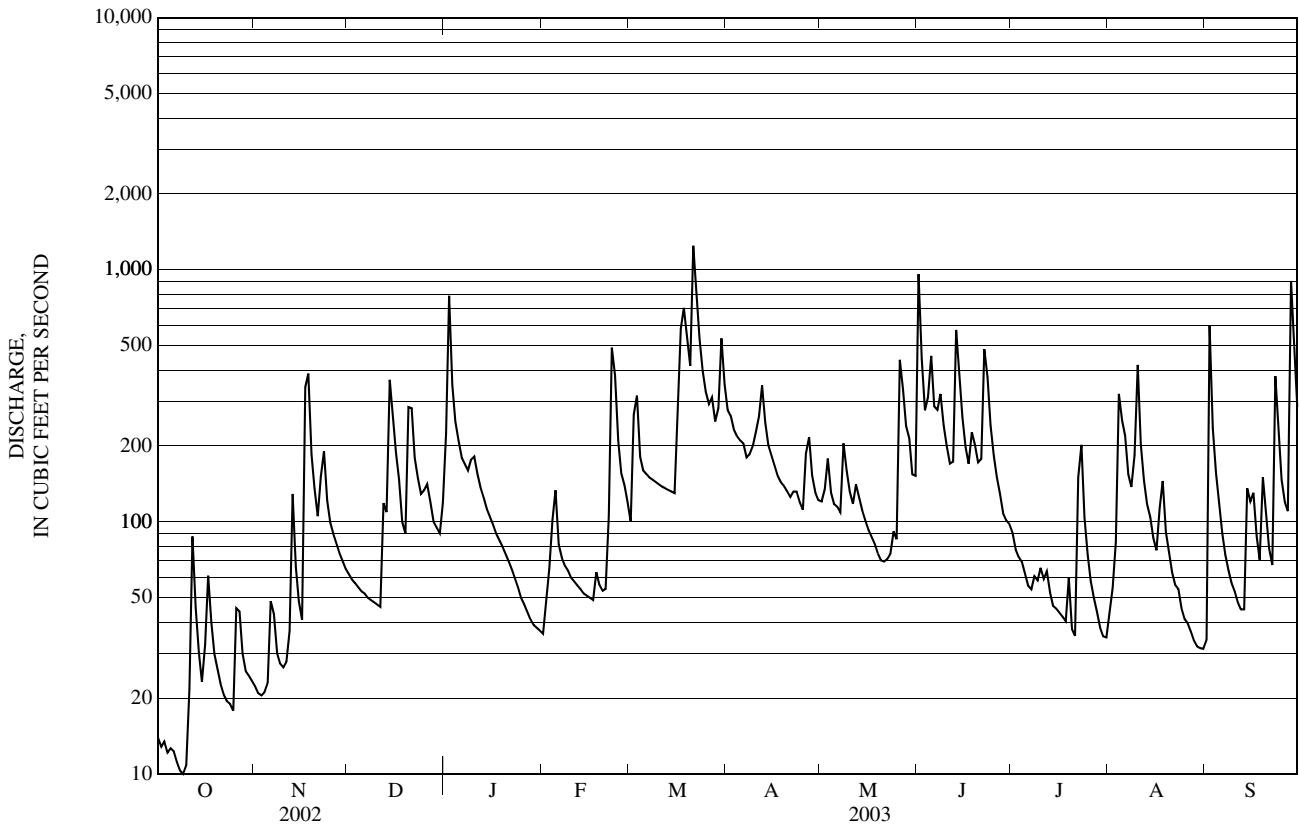
MEAN	72.8	118	149	162	161	259	231	148	97.2	53.7	54.3	54.2
MAX	625	468	415	525	366	557	693	476	493	272	578	304
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1936)	(1987)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	10.4	13.6	22.1	17.5	44.6	104	61.9	40.3	18.6	9.56	5.90	7.66
(WY)	(1936)	(1965)	(1936)	(1981)	(1936)	(2002)	(1985)	(1941)	(1957)	(1957)	(1999)	(1953)

e Estimated

01204000 POMPERAUG RIVER AT SOUTHURY, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1933 - 2003	
ANNUAL TOTAL	28,182.2		53,960		130	
ANNUAL MEAN	77.2		148		208	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	730	Jun 7	1,250	Mar 21	9,510	Aug 19, 1955
LOWEST DAILY MEAN	8.7	Aug 27	10	Oct 8	3.3	Aug 30, 1966
ANNUAL SEVEN-DAY MINIMUM	9.9	Aug 22	11	Oct 4	3.9	Sep 9, 1977
MAXIMUM PEAK FLOW			1,740	Mar 21	a 29,400	Aug 19, 1955
MAXIMUM PEAK STAGE			7.02	Mar 21	b 21.80	Aug 19, 1955
INSTANTANEOUS LOW FLOW			9.7	Oct 9	c 2.5	Aug 30, 1966
ANNUAL RUNOFF (CFSM)	1.03		1.97		1.73	
ANNUAL RUNOFF (INCHES)	13.96		26.73		23.49	
10 PERCENT EXCEEDS	159		315		275	
50 PERCENT EXCEEDS	50		107		80	
90 PERCENT EXCEEDS	13		33		16	

- a From rating curve extended above 1,200 ft³/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 Aug. 31, 1966.



HOUSATONIC RIVER BASIN

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 mi².

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.--No estimated daily discharges. Records good. 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 mi², but do not appreciably affect monthly runoff.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,900 ft³/s, Mar. 22, gage height, 14.68 ft; minimum discharge, 81 ft³/s, Aug. 7, 8, gage height, 0.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,300	859	2,940	3,800	890	2,490	7,340	1,990	5,810	1,490	1,280	842
2	1,310	660	3,120	6,880	862	2,730	6,860	2,740	6,360	1,670	114	4,110
3	1,510	399	3,360	7,270	2,590	3,660	6,810	3,370	5,370	1,630	675	5,880
4	109	600	3,350	6,430	1,670	3,750	6,650	3,060	4,730	107	2,240	3,230
5	111	507	3,070	6,280	2,100	3,960	6,170	3,020	5,040	1,270	3,540	2,020
6	111	605	2,040	4,530	1,870	2,870	3,950	2,460	4,520	105	2,580	2,740
7	1,250	508	819	4,410	1,680	2,770	5,240	2,290	5,060	2,240	2,470	2,350
8	109	1,360	1,550	4,020	1,600	3,000	5,140	2,510	4,040	1,840	1,830	1,980
9	116	99	3,460	3,820	1,590	2,790	4,650	2,510	4,790	1,870	2,440	943
10	120	97	3,330	4,540	1,420	2,750	4,890	2,410	4,040	107	4,500	1,810
11	1,330	96	1,910	3,380	1,380	2,730	4,690	104	3,370	1,860	3,230	106
12	132	1,530	3,480	2,810	1,470	2,530	4,870	1,600	3,060	104	3,840	3,110
13	1,520	1,440	4,060	2,620	821	2,830	4,700	3,520	5,310	105	3,080	844
14	869	1,980	5,540	2,710	1,520	2,760	3,670	3,110	6,420	2,640	3,760	1,630
15	1,600	2,080	4,200	3,450	149	1,680	3,880	2,570	5,050	115	2,000	3,180
16	2,150	1,780	5,500	3,190	1,010	1,240	3,490	2,030	4,200	1,490	2,200	3,320
17	1,420	3,940	4,560	2,190	1,770	5,290	3,540	2,240	3,710	104	1,980	4,660
18	2,360	6,110	4,420	1,680	1,770	7,230	3,350	1,830	3,310	1,450	2,700	1,580
19	158	6,290	3,660	1,750	1,590	8,120	2,090	1,230	3,480	109	2,620	534
20	104	5,770	4,310	1,080	1,740	9,600	2,020	1,330	2,670	105	2,250	1,970
21	1,200	4,650	6,220	2,680	1,880	14,400	3,340	906	3,320	2,610	2,540	1,260
22	1,420	3,390	6,170	2,780	1,760	19,500	2,370	2,490	4,730	2,060	2,330	1,990
23	108	4,550	5,740	2,680	3,660	14,800	2,350	2,040	6,110	2,460	1,340	3,270
24	1,960	6,000	4,120	1,020	4,670	12,700	2,260	1,640	5,010	1,670	101	7,340
25	1,980	5,930	3,960	1,020	3,320	10,900	2,010	1,260	4,730	110	1,810	5,200
26	4,090	4,110	4,170	1,170	3,760	9,920	2,550	2,290	4,230	2,240	845	2,770
27	578	4,130	4,490	1,580	3,340	9,200	2,410	5,480	2,910	108	1,550	4,580
28	1,190	3,880	4,520	1,970	2,940	10,500	2,380	4,000	2,070	2,050	105	7,120
29	522	3,010	3,270	1,600	---	10,100	2,560	3,150	2,080	105	1,440	10,500
30	793	2,700	3,730	1,590	---	8,870	2,380	3,480	1,960	1,800	112	8,320
31	619	---	2,520	1,610	---	8,210	---	4,220	---	102	113	---
TOTAL	32,149	79,060	117,589	96,540	54,822	203,880	118,610	76,880	127,490	35,726	61,615	99,189
MEAN	1,037	2,635	3,793	3,114	1,958	6,577	3,954	2,480	4,250	1,152	1,988	3,306
MAX	4,090	6,290	6,220	7,270	4,670	19,500	7,340	5,480	6,420	2,640	4,500	10,500
MIN	104	96	819	1,020	149	1,240	2,010	104	1,960	102	101	106

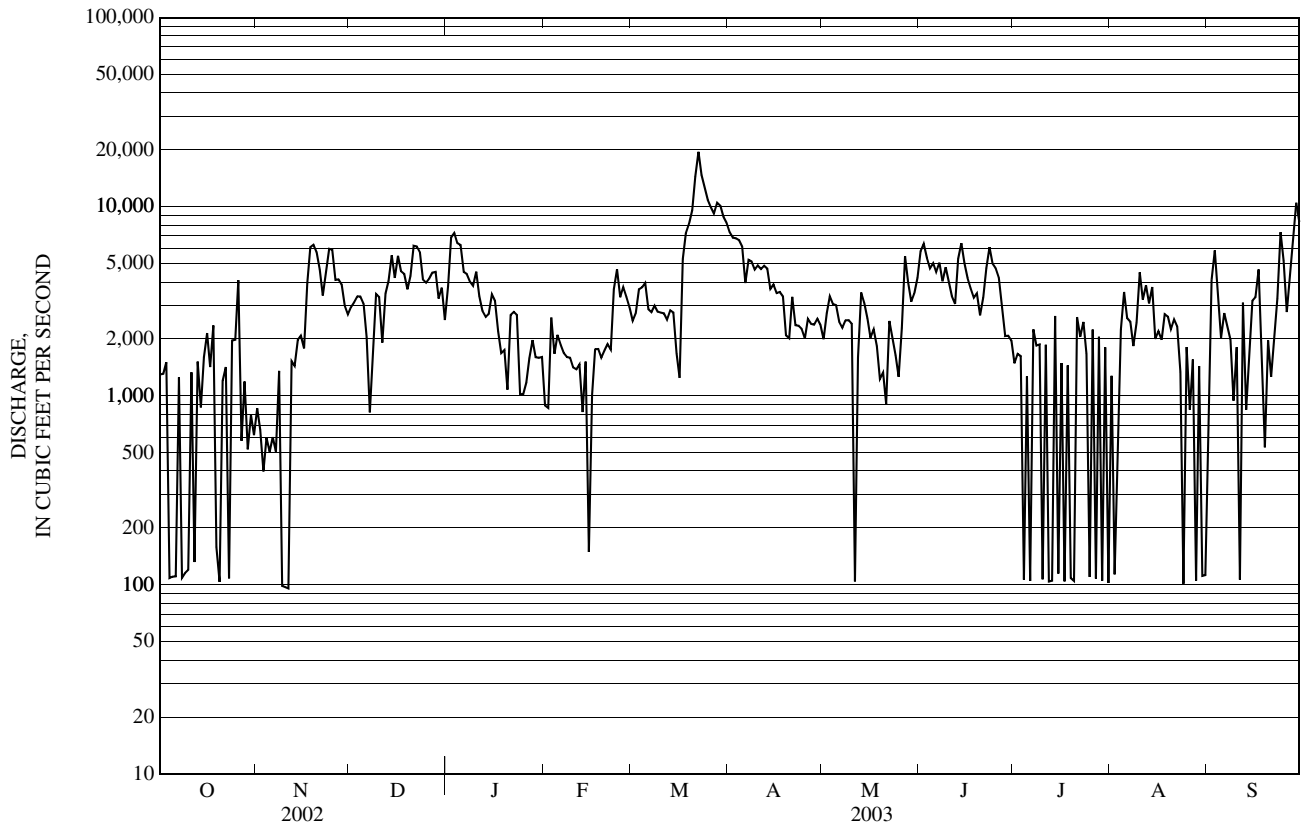
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	1,458	2,245	2,848	2,996	2,950	4,802	5,252	3,268	2,251	1,290	1,131	1,146
MAX	8,810	8,786	8,384	9,441	6,869	12,960	11,150	8,627	7,013	4,923	8,294	8,705
(WY)	(1956)	(1956)	(1997)	(1949)	(1976)	(1936)	(1983)	(1989)	(1972)	(1938)	(1955)	(1938)
MIN	259	258	726	356	800	1,730	1,272	1,092	670	294	280	213
(WY)	(1965)	(1979)	(1965)	(1981)	(1980)	(2002)	(1985)	(1986)	(1965)	(1962)	(1999)	(1964)

01205500 HOUSATONIC RIVER AT STEVENSON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	669,695		1,103,550			
ANNUAL MEAN	1,835		3,023		2,633	
HIGHEST ANNUAL MEAN					3,956	1938
LOWEST ANNUAL MEAN					990	1965
HIGHEST DAILY MEAN	9,030	Jun 8	19,500	Mar 22	62,400	Oct 16, 1955
LOWEST DAILY MEAN	92	Feb 18	96	Nov 11	0.00	Oct 12, 1930
ANNUAL SEVEN-DAY MINIMUM	202	Aug 20	275	Oct 4	56	Aug 13, 1984
MAXIMUM PEAK FLOW			25,900	Mar 22	a 75,800	Oct 16, 1955
MAXIMUM PEAK STAGE			14.68	Mar 22	b 24.50	Oct 16, 1955
INSTANTANEOUS LOW FLOW			d 81	Aug 7	c 81	Aug 7, 2003
10 PERCENT EXCEEDS	4,090		5,900		5,880	
50 PERCENT EXCEEDS	1,550		2,530		1,850	
90 PERCENT EXCEEDS	105		508		230	

- a From rating curve extended above 3,500 ft³/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
- d Also occurred Aug. 8.



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 13...	1445	104	1.8	12.3	111	7.6	314	9.0	10.5	120	29.4	11.4	2.54
JAN 21...	1315	111	1.4	14.8	104	7.3	248	-5.0	1.0	99	24.8	9.07	1.41
MAY 20...	1300	110	2.2	11.5	122	8.4	277	28.0	19.0	100	26.2	9.36	1.58
JUL 08...	1430	4,700	2.8	8.8	102	7.6	253	28.0	22.5	99	24.9	8.92	1.52

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Carbonate, wat fltr incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 13...	17.5	102	124	0.0	27.5	<0.17	2.50	13.4	179	178	0.33	0.35	<0.04
JAN 21...	16.7	79	96	0.0	26.8	<0.17	6.00	10.5	148	150	0.20	0.20	E.04
MAY 20...	14.5	85	98	3	26.1	<0.2	1.79	10.4	169	159	0.20	0.33	<0.04
JUL 08...	12.0	80	98	0.0	20.0	<0.2	3.42	8.4	138	136	0.29	0.36	0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 13...	0.58	0.019	--	<0.02	0.007	0.024	0.94	3.9	--	4k	3	E.17n	16
JAN 21...	0.61	E.004	--	E.01	0.019	0.027	0.81	3.7	4k	22	9	<0.30	13
MAY 20...	0.34	E.006	--	<0.02	0.006	0.016	0.67	3.0	<1k	3k	7	<0.30	15
JUL 08...	0.29	0.029	0.32	<0.02	0.006	0.025	0.65	4.3	8	8	5	<0.30	14

01205500 HOUSATONIC RIVER AT STEVENSON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltred, ug/L (01010)	Cadmium water, fltred, ug/L (01025)	Chromium, water, fltred, ug/L (01030)	Cobalt water, fltred, ug/L (01035)	Copper, water, fltred, ug/L (01040)	Iron, water, fltred, ug/L (01046)	Lead, water, fltred, ug/L (01049)	Manganese, water, fltred, ug/L (01056)	Molybdenum, water, fltred, ug/L (01060)	Nickel, water, fltred, ug/L (01065)	Silver, water, fltred, ug/L (01075)	Zinc, water, fltred, ug/L (01090)	Uranium natural water, fltred, ug/L (22703)
NOV 13...	<0.06	<0.04	<0.8	0.105	1.1	15	<0.08	5.0	0.8	1.07	<0.2	3	0.49
JAN 21...	<0.06	<0.04	<0.8	0.108	0.8	48	E.06	18.9	E.3	1.44	<0.2	2	0.30
MAY 20...	<0.06	<0.04	<0.8	0.108	0.8	E9	<0.08	5.2	0.7	1.17	<0.2	1	0.41
JUL 08...	<0.06	<0.04	<0.8	0.086	0.8	27	<0.08	30.1	0.3	0.85	<0.2	<1	0.31

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

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. Rts. 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 mi².

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 ft³/s, from indirect measurements of peak flow on Naugatuck River, 71.9 mi², and Leadmine Brook, 24.0 mi², adjusted for intervening drainage area.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,310 ft³/s, Sept. 29, gage height, 5.24 ft; minimum discharge, 18 ft³/s, Oct. 9, 10, gage height, 1.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	45	133	256	e81	154	416	139	269	86	37	37
2	29	44	117	635	e80	259	354	212	1,090	78	69	1,010
3	25	42	101	623	e80	461	312	520	1,060	71	96	594
4	22	42	106	531	134	342	295	270	294	68	311	435
5	28	43	105	367	159	247	290	196	383	62	370	262
6	25	114	104	255	e115	236	273	185	292	57	226	162
7	22	98	118	229	e100	255	252	169	280	56	148	121
8	20	73	103	217	e92	189	250	254	383	59	125	103
9	20	64	91	213	e84	201	250	228	278	87	116	85
10	19	60	94	214	e76	188	268	185	223	94	457	74
11	27	57	93	187	e72	163	374	161	188	88	260	67
12	214	66	182	176	e68	154	536	193	181	143	155	60
13	138	232	171	160	e64	159	399	169	835	75	119	58
14	91	139	420	e151	e62	151	285	149	596	60	97	e80
15	64	102	557	e149	e63	154	253	132	340	54	79	e155
16	112	88	503	e136	e60	227	220	120	234	50	94	e210
17	202	455	313	e134	e61	429	185	113	196	51	240	128
18	117	801	190	e110	e60	620	171	103	235	48	277	92
19	84	745	183	e105	e63	1,120	164	95	224	56	158	458
20	70	281	294	e100	e65	799	151	86	207	47	105	315
21	59	218	545	e95	e68	1,520	142	83	222	45	84	166
22	53	287	471	e92	e71	2,060	165	82	563	122	71	121
23	48	371	279	e90	628	1,860	167	87	661	227	62	669
24	45	258	215	e89	691	1,410	148	116	387	126	54	1,050
25	42	195	207	e88	484	967	133	112	248	88	49	338
26	95	165	216	e86	282	670	208	322	186	69	45	333
27	89	166	183	e85	229	623	299	676	148	56	42	277
28	68	149	166	e85	184	477	203	423	120	51	38	524
29	58	137	154	e84	---	430	165	337	104	42	36	1,450
30	53	137	142	e82	---	792	149	226	95	37	36	1,680
31	47	---	168	e82	---	580	---	201	---	32	37	---
TOTAL	2,020	5,674	6,724	5,906	4,276	17,897	7,477	6,344	10,522	2,285	4,093	11,114
MEAN	65.2	189	217	191	153	577	249	205	351	73.7	132	370
MAX	214	801	557	635	691	2,060	536	676	1,090	227	457	1,680
MIN	19	42	91	82	60	151	133	82	95	32	36	37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2003, BY WATER YEAR (WY)

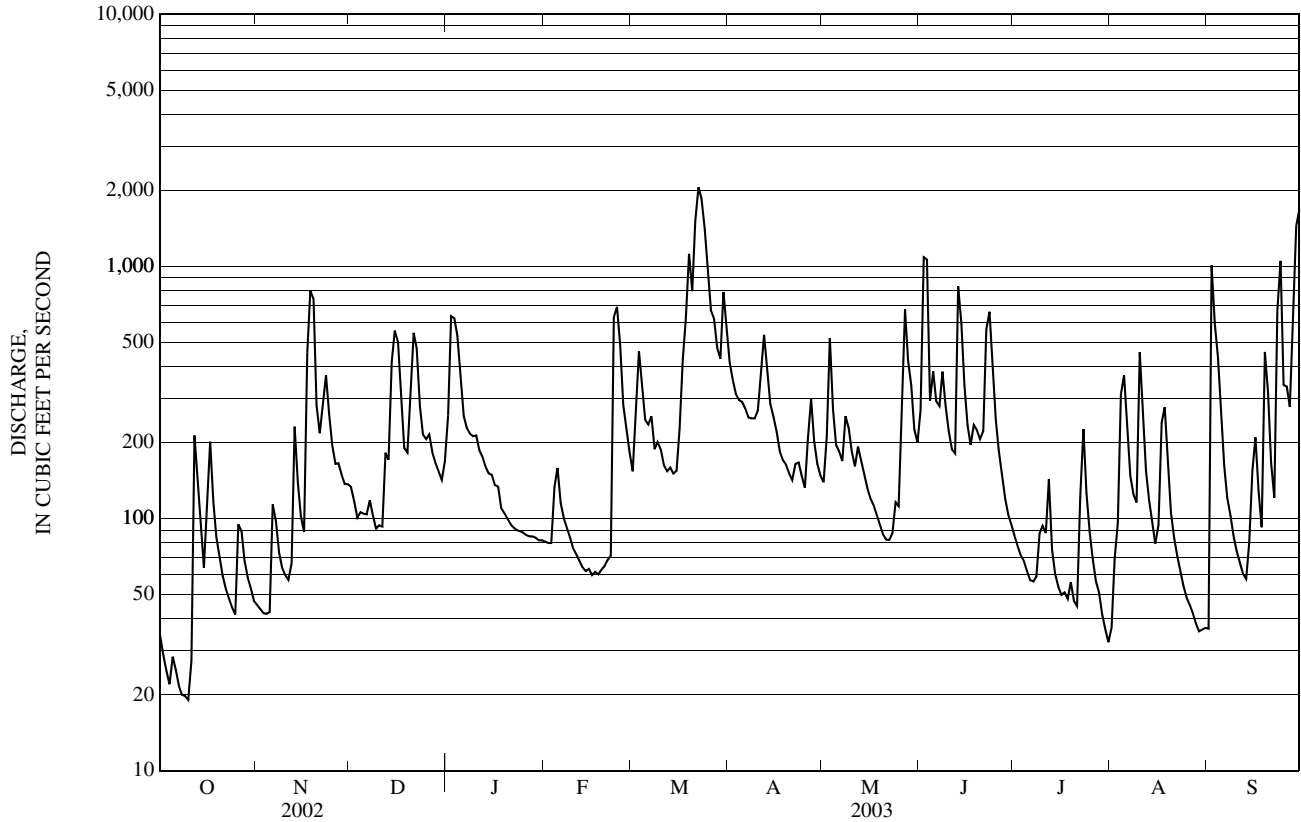
MEAN	124	182	227	231	235	400	384	223	163	79.7	75.5	81.6
MAX	525	510	709	757	776	785	966	721	658	331	429	472
(WY)	(1997)	(1996)	(1974)	(1979)	(1981)	(1979)	(1987)	(1989)	(1982)	(1972)	(1969)	(1975)
MIN	21.1	19.8	42.1	31.1	57.0	156	103	75.0	33.8	18.4	16.6	13.8
(WY)	(1965)	(2002)	(2002)	(1981)	(1980)	(2002)	(1985)	(1965)	(1964)	(1962)	(1999)	(1964)

e Estimated

01206900 NAUGATUCK RIVER AT THOMASTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1961 - 2003	
ANNUAL TOTAL	46,908.0		84,332		200	
ANNUAL MEAN	129		231		300	
HIGHEST ANNUAL MEAN					76.6	1973
LOWEST ANNUAL MEAN					3,550	1965
HIGHEST DAILY MEAN	1,700	Jun 8	2,060	Mar 22	8.4	Mar 10, 1979
LOWEST DAILY MEAN	8.5	Sep 14	19	Oct 10	9.4	Sep 14, 1964
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 13	22	Oct 4	5,140	Aug 13, 2002
MAXIMUM PEAK FLOW			2,310	Sep 29	6.25	Mar 31, 1960
MAXIMUM PEAK STAGE			5.24	Sep 29	5.6	Mar 31, 1960
INSTANTANEOUS LOW FLOW			a 18	Oct 9	435	Sep 1, 1999
10 PERCENT EXCEEDS	272		522		113	
50 PERCENT EXCEEDS	86		151		26	
90 PERCENT EXCEEDS	17		51			

a Also occurred Oct. 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 mi².

PERIOD OF RECORD.--October 5, 1967, published as "near Waterbury," October 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 06...	1415	141	4.1	11.9	100	7.1	312	9.5	6.5	49	13.0	3.91	6.17
JAN 07...	1450	305	1.6	13.8	100	6.6	179	-4.5	1.5	29	7.51	2.58	1.54
MAR 05...	1415	301	2.4	14.4	102	6.4	210	3.5	0.5	31	7.65	2.79	1.76
MAY 12...	1400	277	2.2	9.6	98	7.2	168	19.0	15.0	30	7.94	2.49	1.92
JUN 17...	1405	268	3.4	9.4	98	6.8	160	23.0	17.5	31	8.22	2.45	1.63
JUL 15...	1200	66	2.2	8.6	100	7.1	214	29.0	22.5	36	9.66	2.99	2.46
AUG 12...	1330	230	4.2	8.0	95	7.4	152	30.0	24.0	49	14.9	2.90	1.70
SEP 11...	1115	87	2.0	9.0	97	7.2	232	27.0	19.0	42	11.2	3.28	2.75

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd field, titr., mg/L (00453)	Carbonate, wat fltrd field, titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 06...	35.0	34	41	0.0	44.0	0.33	2.60	28.8	182	172	0.72	0.84	0.05
JAN 07...	22.2	15	18	0.0	32.7	<0.17	6.75	12.1	103	103	0.23	0.29	0.07
MAR 05...	25.3	16	19	0.0	37.5	0.10	6.75	13.9	118	116	0.24	0.27	0.08
MAY 12...	16.5	19	23	0.0	26.3	<0.17	3.68	12.8	99	93	0.42	0.39	0.15
JUN 17...	15.8	18	22	0.0	24.8	<0.2	6.84	12.9	104	93	0.31	0.42	0.08
JUL 15...	22.2	26	32	0.0	32.2	<0.2	5.38	15.8	125	123	0.42	0.53	0.07
AUG 12...	13.4	22	27	0.0	19.2	<0.2	5.80	11.4	100	97	0.37	0.46	E.02n
SEP 11...	23.8	27	33	0.0	34.6	<0.2	6.00	19.2	134	132	0.45	0.47	0.05

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 06...	2.15	0.019	0.79	0.15	0.199	0.24	3.0	5.4	--	68	11	E.16	17
JAN 07...	0.59	0.008	0.22	E.01	0.019	0.031	0.88	3.1	88	96	34	<0.30	17
MAR 05...	0.67	0.043	0.19	E.02	0.023	0.040	0.93	3.2	160	160	30	<0.30	18
MAY 12...	0.69	0.050	0.24	0.13	0.163	0.082	1.1	3.6	43	59	24	<0.30	18
JUN 17...	0.49	0.008	0.34	0.03	0.047	0.079	0.91	4.3	80	60k	25	<0.30	17
JUL 15...	0.77	0.015	0.46	0.07	0.095	0.123	1.3	4.2	34	33	25	<0.30	18
AUG 12...	0.35	E.004n	--	0.04	0.056	0.092	0.80	6.6	230	277	22	<0.30	15
SEP 11...	0.72	0.017	0.42	0.08	0.099	0.130	1.2	4.1	49	108	22	<0.30	16

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 06...	<0.06	0.21	1.8	0.401	5.3	186	0.39	37.3	1.6	14.3	<0.2	15	0.11
JAN 07...	<0.06	0.12	1.0	0.373	2.2	100	0.10	45.2	E.2	5.35	<0.2	15	0.06
MAR 05...	<0.06	0.11	1.3	0.355	2.0	99	0.19	52.6	E.2	5.19	<0.2	14	0.07
MAY 12...	<0.06	0.07	1.8	0.310	2.0	179	0.21	61.5	E.2	5.44	<0.2	8	0.07
JUN 17...	<0.06	0.07	4.6	0.338	2.8	195	0.28	63.8	E.3	6.90	<0.2	8	0.06
JUL 15...	<0.06	0.09	2.9	0.264	3.3	263	0.48	45.5	0.7	9.77	<0.2	7	0.07
AUG 12...	<0.06	0.04	E.8n	0.192	2.8	135	0.22	50.0	E.3n	4.48	<0.2	4	0.08
SEP 11...	<0.06	0.09	2.0	0.312	4.2	142	0.21	69.2	0.4	7.75	<0.2	7	0.07

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the NDV

01208370 NAUGATUCK RIVER BELOW FULLING MILL BROOK AT UNION CITY, CT

LOCATION.--Lat 41° 30'06", long 73° 02'55", New Haven County, Hydrologic Unit 01100005, at footbridge below Fulling Mill Brook, 0.1 mi south of Rt. 68 bridge.

DRAINAGE AREA.--215 mi².

PERIOD OF RECORD.--May 2002 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 07...	1415	253	2.0	12.5	108	7.0	303	5.0	8.5	49	13.4	3.68	4.88
JAN 08...	1315	676	2.5	13.3	102	7.2	261	4.0	3.0	39	10.4	3.11	2.56
MAR 06...	1110	726	5.6	14.1	100	7.3	270	2.0	1.0	36	9.61	2.93	2.32
MAY 13...	1230	424	2.5	11.8	117	7.3	232	13.0	14.0	40	11.0	3.05	2.66
JUN 18...	1115	769	9.8	9.3	98	6.9	186	18.0	17.5	35	10.1	2.47	2.16
JUL 16...	1100	135	5.5	8.4	97	7.2	325	--	22.0	59	16.6	4.12	4.76
AUG 13...	1230	315	3.0	9.2	112	7.6	232	28.0	25.5	44	12.0	3.31	3.27
SEP 10...	1045	184	1.4	9.4	102	7.4	291	21.5	19.5	55	15.8	3.83	4.31

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 07...	35.8	31	38	0.0	43.8	0.35	4.80	28.0	162	165	0.38	0.57	<0.04
JAN 08...	32.5	18	22	0.0	47.6	<0.17	7.77	17.7	150	142	0.69	0.90	0.52
MAR 06...	32.0	20	24	0.0	51.9	0.14	6.82	16.1	152	137	0.93	1.0	0.67
MAY 13...	25.4	17	21	0.0	36.5	0.23	4.38	19.6	129	125	0.27	0.44	<0.04
JUN 18...	19.9	16	20	0.0	29.0	<0.2	6.11	14.1	116	94	0.29	0.46	E.03
JUL 16...	36.4	31	38	0.0	50.2	0.6	6.90	29.4	191	178	0.42	0.60	E.04
AUG 13...	26.4	24	21	0.0	34.8	0.3	7.61	18.1	140	136	0.36	0.47	<0.04
SEP 10...	30.7	30	37	0.0	43.1	0.4	7.19	27.6	165	172	0.42	0.50	0.06

01208370 NAUGATUCK RIVER BELOW FULLING MILL BROOK AT UNION CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 07...	1.48	0.011	--	0.72	0.69	0.74	2.0	5.0	--	960	20	E.19	13
JAN 08...	0.76	0.011	0.38	0.21	0.19	0.26	1.7	3.8	1,500	4,900	34	<0.30	19
MAR 06...	0.72	0.034	0.34	0.26	0.29	0.33	1.7	4.0	940	1,120	29	<0.30	19
MAY 13...	0.63	0.013	--	0.29	0.30	0.40	1.1	E4.5	74k	97k	35	<0.30	16
JUN 18...	0.66	0.019	--	0.23	0.27	0.37	1.1	5.5	2,800	5,600	19	<0.30	15
JUL 16...	1.05	0.009	--	0.97	1.04	1.04	1.6	4.7	740	860	25	E.20n	18
AUG 13...	0.66	0.008	--	0.46	0.49oc	0.54oc	1.1	5.7	100	232	30	E.20n	13
SEP 10...	0.92	0.017	0.44	0.84	0.92oc	0.95oc	1.4	4.0	70	112	28	E.18n	15

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)
NOV 07...	<0.06	0.17	--	0.8	--	0.308	7.3	--	164	--	0.34	--	32.6
JAN 08...	<0.06	0.19	E.2	E.8	0.8	0.510	7.2	8.4	111	240	0.18	<1	78.5
MAR 06...	<0.06	0.17	0.2	E.7	1.2	0.468	3.7	5.6	93	340	0.24	2	83.8
MAY 13...	<0.06	0.10	E.1	0.9	1.4	0.302	4.8	10.0	157	320	0.25	<1	49.3
JUN 18...	<0.06	0.10	0.3	1.5	2.1	0.281	5.3	11.6	118	890	0.41	4	54.4
JUL 16...	<0.06	0.16	E.2n	E.8n	1.4	0.410	8.7	12.7	180	540	0.42	2	71.5
AUG 13...	<0.06	0.07	0.09	E.5n	E.8n	0.274	6.0	8.3	187	460	0.33	1.24	40.8
SEP 10...	<0.06	0.15	0.18	1.2	1.2	0.423	9.0	11.1	186	300	0.33	0.76	62.1

01208370 NAUGATUCK RIVER BELOW FULLING MILL BROOK AT UNION CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 07...	2.2	9.47	--	<0.2	22	--	0.07
JAN 08...	0.8	5.66	4.3	<0.2	35	26	0.06
MAR 06...	0.7	5.28	5.0	<0.2	29	33	0.05
MAY 13...	0.9	6.19	5.9	<0.2	12	E22	0.06
JUN 18...	0.7	12.8	15.7	<0.2	20	34	0.04
JUL 16...	3.2	8.11	8.1	<0.2	24	36	0.04
AUG 13...	1.6	4.94	5.43	<0.2	12	19	0.07
SEP 10...	1.7	7.33	7.43	<0.2	21	25	0.06

Value qualifier codes used in this table:

- c -- See laboratory comment
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

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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 St. at Beacon Falls, 0.4 mi upstream from Bronson Brook, and at mile 10.1.

DRAINAGE AREA.--260 mi².

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.--Records good, except those for periods of estimated record, which are fair. 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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,280 ft³/s, Mar. 21, gage height, 7.32 ft; minimum discharge, 71 ft³/s, Oct. 9, gage height, 1.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	176	397	842	e200	432	1,010	485	2,720	338	182	148
2	115	166	359	2,290	285	949	867	516	2,030	294	395	2,240
3	104	154	325	1,420	298	1,150	808	919	1,860	273	326	1,280
4	97	161	286	1,200	429	729	750	681	1,180	273	835	782
5	110	182	e270	967	477	749	750	519	1,540	252	1,100	649
6	97	388	e260	770	342	752	728	490	1,070	229	771	443
7	91	342	e250	703	e300	599	662	474	963	217	500	351
8	85	249	e240	654	e280	587	684	811	1,160	225	529	304
9	82	221	e235	662	e265	666	724	685	904	190	457	271
10	83	209	e230	666	e250	625	755	555	759	219	1,280	237
11	203	209	278	582	e235	507	957	485	655	218	801	217
12	828	299	537	521	e220	526	1,510	535	636	266	523	203
13	486	743	533	e470	e210	543	1,130	507	2,150	213	478	200
14	308	474	1,340	e430	e200	500	831	458	1,640	177	537	324
15	223	358	1,290	e390	e195	500	738	409	1,030	172	362	446
16	432	312	1,060	e360	e190	743	694	361	746	178	405	466
17	653	1,380	797	e330	e185	1,390	587	350	635	185	544	377
18	398	1,730	548	e300	e180	1,890	553	328	811	173	813	284
19	285	1,370	502	e280	e175	2,090	536	308	782	365	490	848
20	235	800	1,160	e270	e170	1,790	507	289	658	194	368	768
21	204	596	1,430	e260	e165	3,540	482	284	695	174	302	440
22	181	745	1,050	e250	e160	3,680	496	296	1,310	388	262	342
23	167	852	784	e240	1,560	3,030	522	323	1,510	578	238	1,430
24	153	660	621	e235	1,320	2,200	479	384	1,050	396	208	1,700
25	145	531	e580	e230	931	1,620	433	369	754	287	191	854
26	427	468	e540	e225	607	1,300	724	1,500	629	229	182	631
27	369	485	e500	e220	511	1,240	959	1,670	525	197	178	598
28	256	439	e480	e216	476	1,040	660	1,220	424	177	164	1,440
29	210	403	e460	e212	---	e964	553	1,160	389	162	152	1,900
30	190	407	449	e208	---	e1,600	490	778	396	147	146	2,070
31	180	---	521	e204	---	e1,380	---	670	---	136	139	---
TOTAL	7,523	15,509	18,312	16,607	10,816	39,311	21,579	18,819	31,611	7,522	13,858	22,243
MEAN	243	517	591	536	386	1,268	719	607	1,054	243	447	741
MAX	828	1,730	1,430	2,290	1,560	3,680	1,510	1,670	2,720	578	1,280	2,240
MIN	82	154	230	204	160	432	433	284	389	136	139	148

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

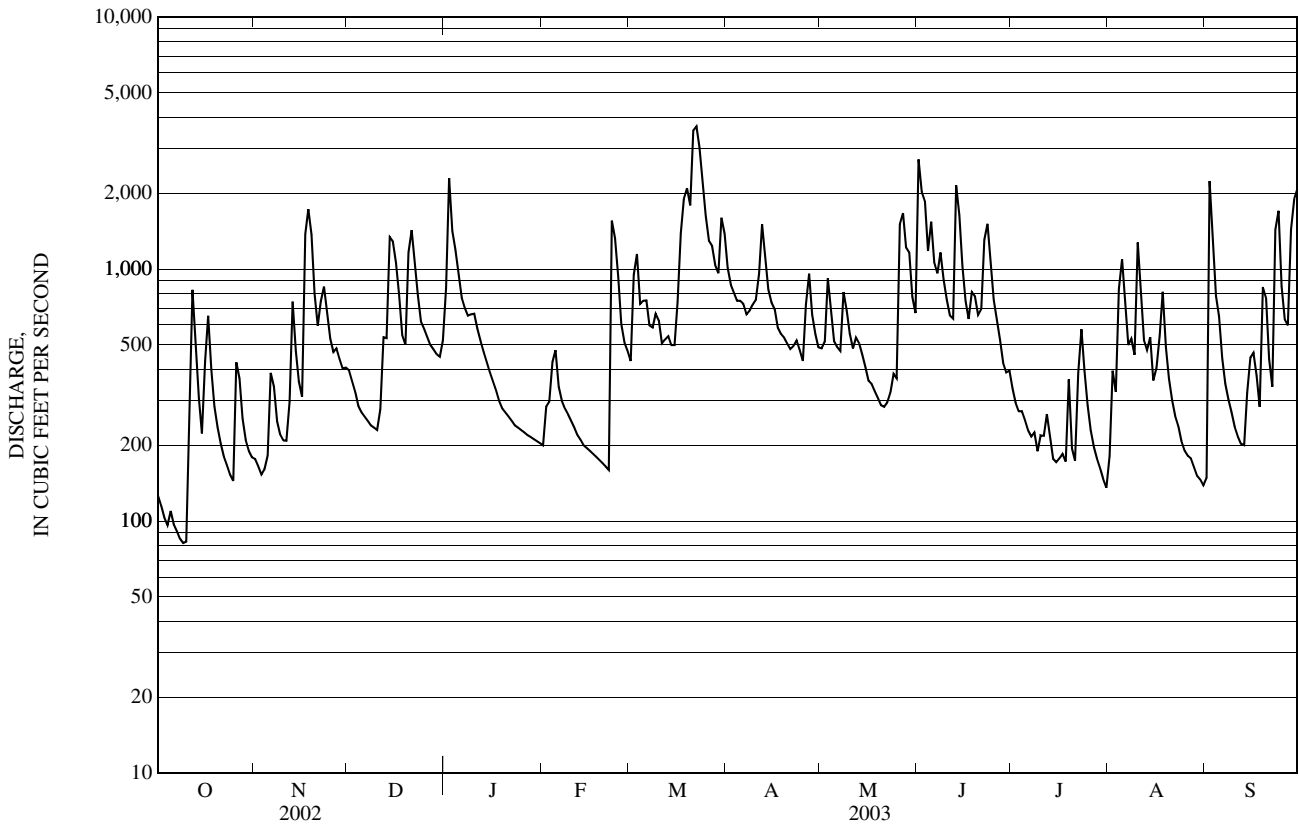
MEAN	316	474	573	609	606	996	954	604	416	242	251	246
MAX	2,480	1,890	1,688	2,307	1,436	2,227	2,467	2,098	1,973	957	2,920	1,301
(WY)	(1956)	(1956)	(1997)	(1979)	(1981)	(1983)	(1983)	(1989)	(1982)	(1938)	(1955)	(1938)
MIN	55.3	63.9	113	118	204	429	273	225	122	72.6	72.0	68.2
(WY)	(1931)	(1932)	(1936)	(1981)	(1934)	(2002)	(1985)	(1941)	(1957)	(1966)	(1966)	(1931)

e Estimated

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	129,113		223,710		523	
ANNUAL MEAN	354		613		237	
HIGHEST ANNUAL MEAN					830 1973	
LOWEST ANNUAL MEAN					237 1965	
HIGHEST DAILY MEAN	2,410	Jun 7	3,680	Mar 22	56,400	Aug 19, 1955
LOWEST DAILY MEAN	62	Aug 19	82	Oct 9	c 40	Oct 5, 1930
ANNUAL SEVEN-DAY MINIMUM	66	Aug 13	92	Oct 4	47	Jul 11, 1971
MAXIMUM PEAK FLOW			4,280	Mar 21	a 106,000	Aug 19, 1955
MAXIMUM PEAK STAGE			7.32	Mar 21	b 25.70	Aug 19, 1955
INSTANTANEOUS LOW FLOW			71	Oct 9	24	Oct 21, 1935
10 PERCENT EXCEEDS	717		1,310		1,120	
50 PERCENT EXCEEDS	260		476		324	
90 PERCENT EXCEEDS	89		179		106	

- a From rating curve extended above 9,000 ft³/s, on basis of slope-area measurements of peak flow at gage heights of 12.4 and 25.7 ft, use and datum then in use.
- b From floodmarks.
- c Also occurred 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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 07...	1030	347	3.0	11.9	99	7.3	280	7.0	7.0	46	12.7	3.46	3.99
JAN 08...	1015	644	1.7	13.6	101	6.9	252	2.0	2.0	38	10.3	3.02	2.35
MAR 06...	0945	762	5.6	13.7	99	7.7	276	-1.5	1.5	36	9.54	2.85	2.44
MAY 13...	0930	512	2.3	11.9	116	7.4	224	15.0	13.5	40	11.1	3.01	2.46
JUN 18...	0800	771	6.0	9.2	95	7.2	201	18.0	16.5	38	10.7	2.69	2.14
JUL 16...	0800	164	1.9	8.4	94	7.4	320	--	21.0	57	16.2	3.95	4.47
AUG 13...	0915	413	3.0	8.2	96	7.5	219	27.0	23.5	42	11.5	3.13	2.93
SEP 10...	0800	233	1.5	9.3	96	7.5	284	20.0	17.0	55	16.0	3.72	4.09

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 07...	31.6	28	34	0.0	41.7	0.26	5.57	25.5	151	157	0.86	1.1	<0.04
JAN 08...	30.3	18	22	0.0	43.7	<0.17	7.94	17.0	137	138	0.43	0.55	0.29
MAR 06...	33.8	18	22	0.0	54.7	0.13	7.00	16.0	155	147	0.64	0.74	0.41
MAY 13...	24.3	19	23	0.0	35.3	<0.17	4.07	17.6	128	124	0.24	0.41	<0.04
JUN 18...	21.7	18	22	0.0	31.6	<0.2	6.94	15.9	120	113	0.31	0.50	0.07
JUL 16...	34.6	32	39	0.0	49.9	0.5	7.15	27.6	177	172	0.47	0.57	0.09
AUG 13...	24.0	26	31	0.0	32.6	0.2	7.63	16.5	141	134	0.33	0.43	<0.04
SEP 10...	29.3	29	35	0.0	41.8	0.4	7.32	26.4	161	160	0.34	0.50	0.06

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 07...	1.40	0.009	--	0.28	0.28	0.34	2.5	5.1	--	1,020	17	E.18	14
JAN 08...	0.90	0.012	0.26	0.17	0.193	0.20	1.5	3.6	2,900	4,400	33	<0.30	19
MAR 06...	0.88	0.038	0.33	0.20	0.21	0.26	1.6	3.6	1,400	1,080	31	<0.30	19
MAY 13...	0.61	0.036	--	0.12	0.152	0.22	1.0	E3.6	78k	92	25	<0.30	18
JUN 18...	0.64	0.018	0.43	0.15	0.193	0.27	1.1	4.3	660	1,140	22	<0.30	16
JUL 16...	1.28	0.031	0.48	0.79	0.86	0.86	1.9	4.4	160	204	14	E.23n	18
AUG 13...	0.59	E.006n	--	0.21	0.23oc	0.29oc	1.0	5.8	320	460	20	E.25n	15
SEP 10...	0.94	0.016	0.45	0.56	0.62oc	0.65oc	1.4	3.9	130	144	17	E.20n	17

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, ug/L (01030)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)
NOV 07...	<0.06	0.15	--	E.7	--	0.252	5.9	--	196	--	0.36	--	43.4
JAN 08...	<0.06	0.18	0.2	E.6	0.9	0.462	5.3	6.6	144	270	0.18	<1	86.4
MAR 06...	<0.06	0.17	E.2	E.8	1.2	0.444	3.9	5.7	120	390	0.25	2	86.6
MAY 13...	<0.06	0.08	<0.2	0.9	1.3	0.267	4.1	6.4	198	410	0.27	M	50.7
JUN 18...	<0.06	0.10	E.2	1.7	3.1	0.297	4.4	9.9	162	860	0.37	3	55.7
JUL 16...	<0.06	0.14	<0.2	E.7n	0.8	0.351	7.8	9.6	250	460	0.28	Mn	73.2
AUG 13...	<0.06	0.08	0.11	E.4n	E.7n	0.247	5.4	7.5	189	570	0.33	1.32	40.7
SEP 10...	<0.06	0.16	0.19	0.8	1.0	0.348	7.3	9.1	234	390	0.34	0.72	63.6

HOUSATONIC RIVER BASIN

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover-able, ug/L (01067)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover-able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 07...	1.7	8.22	--	<0.2	23	--	0.05
JAN 08...	0.7	5.36	4.9	<0.2	40	E25	0.05
MAR 06...	0.6	4.73	4.9	<0.2	31	32	0.05
MAY 13...	0.8	6.46	6.3	<0.2	14	<25	0.04
JUN 18...	0.6	4.77	6.7	<0.2	23	36	0.03
JUL 16...	3.3	7.37	6.9	<0.2	27	34	0.02
AUG 13...	1.5	4.63	4.97	<0.2	14	22	0.06
SEP 10...	1.6	7.06	7.65	<0.2	27	30	0.05

Value qualifier codes used in this table:

- c -- See laboratory comment
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

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 mi².

PERIOD OF RECORD.--Water years 1968, 1974 to current year.

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 06...	1100	--	3.5	10.6	93	7.1	314	9.5	9.0	51	14.6	3.61	5.53
JAN 07...	1115	897	1.8	13.6	101	7.1	266	-2.0	3.0	37	9.95	2.87	2.04
MAR 05...	1015	752	7.0	13.8	100	7.2	237	5.0	2.0	35	9.47	2.78	2.31
MAY 12...	1015	605	4.3	114	114	7.0	204	17.0	16.0	37	10.3	2.71	2.65
JUN 17...	1040	860	3.2	9.5	98	7.3	185	22.0	17.5	35	9.94	2.55	2.13
JUL 15...	0745	255	2.0	8.6	96	7.5	282	26.0	21.0	50	14.2	3.52	3.19
AUG 12...	1000	614	9.8	7.8	93	7.1	172	25.5	24.0	53	16.4	2.96	2.23
SEP 11...	0800	251	2.8	7.8	84	7.6	282	18.0	19.5	51	14.3	3.74	4.07

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd, mg/L (00453)	Carbonate, wat fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC, wat unfltrd, mg/L (00500)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 06...	31.8	38	46	0.0	44.8	0.31	5.62	26.8	175	174	2.0	2.2	1.33
JAN 07...	32.2	16	20	0.0	50.5	<0.17	8.15	15.5	144	141	0.38	0.49	0.25
MAR 05...	26.0	18	21	0.0	43.5	0.15	7.31	15.1	141	131	0.81	0.92	0.56
MAY 12...	19.8	20	25	0.0	33.0	<0.17	3.50	15.4	126	113	0.26	0.72	0.04
JUN 17...	18.1	20	24	0.0	29.1	<0.2	8.13	14.1	107	107	0.34	0.50	0.15
JUL 15...	27.7	30	37	0.0	43.9	0.2	6.50	22.1	160	161	0.80	0.94	0.46
AUG 12...	16.0	23	28	0.0	25.0	<0.2	7.12	11.7	124	107	0.42	0.66	0.09
SEP 11...	28.8	32	39	0.0	41.8	0.3	6.43	24.8	170	165	0.56	0.68	0.19

01208736 NAUGATUCK RIVER AT ANSONIA, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)
NOV 06...	1.24	0.071	0.83	0.30	0.32	0.41	3.4	6.5	--	4,400	11	E.21	12
JAN 07...	0.95	0.017	0.25	0.07	0.089	0.120	1.4	4.1	3,500	5,500	36	<0.30	19
MAR 05...	0.79	0.024	0.36	0.17	0.197	0.25	1.7	3.9	400	115	29	<0.30	16
MAY 12...	0.31	E.005	0.68	0.04	0.053	0.20	1.0	4.7	240	500	22	<0.30	17
JUN 17...	0.67	0.022	0.35	0.11	0.129	0.184	1.2	3.7	110	190	23	<0.30	15
JUL 15...	1.07	0.031	0.48	0.30	0.35	0.39	2.0	5.0	88k	127k	17	<0.30	15
AUG 12...	0.70	0.011	0.57	0.12	0.153	0.28oc	1.4	7.6	380k	760	22	<0.30	14
SEP 11...	0.92	0.045	0.49	0.44	0.49oc	0.58oc	1.6	6.9	340k	560	23	E.21n	13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
NOV 06...	<0.06	0.14	E.4	0.256	7.9	199	0.46	61.7	2.8	8.46	<0.2	25	0.05
JAN 07...	<0.06	0.18	E.5	0.356	6.4	114	0.20	75.7	1.4	4.07	<0.2	40	0.04
MAR 05...	<0.06	0.17	E.7	0.404	8.4	116	0.32	86.7	0.6	4.49	<0.2	31	0.04
MAY 12...	<0.06	0.49	E.6	0.266	9.1	188	0.31	71.5	0.8	4.67	<0.2	18	0.05
JUN 17...	<0.06	0.09	E.6	0.261	9.3	184	0.41	55.7	0.6	4.32	<0.2	16	0.04
JUL 15...	<0.06	0.14	E.7n	0.243	16.9	172	0.31	47.2	1.6	4.59	<0.2	17	0.05
AUG 12...	<0.06	0.06	<0.8	0.206	9.6	145	0.35	70.2	0.8	3.51	<0.2	9	0.05
SEP 11...	<0.06	0.12	<4.0d	0.308	14.4	149	0.29	47.7	1.6	5.75	<0.2	16	0.07

Value qualifier codes used in this table:

- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV
- o -- Result determined by alternate method

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 mi². Usable capacity, 6,210,000,000 ft³. 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 mi². Usable capacity, 360,000,000 ft³. 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 mi². Usable capacity, 96,100,000 ft³, of which 76,900,000 ft³ 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 mi². Usable capacity above taintor gate sills, 1,756,000,000 ft³. Normal operating volume, 235,000,000 ft³. 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 mi². Usable capacity, 340,000,000 ft³, 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 mi². Usable capacity, 375,000,000 ft³. 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 mi². Usable capacity, 116,200,000 ft³ 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 mi². Usable capacity, 189,500,000 ft³. 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 mi². Usable capacity, 1,830,000,000 ft³. 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 mi². Usable capacity, 104,000,000 ft³. Permanent pool capacity, 3,600,000 ft³. 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 mi². Usable capacity, 189,000,000 ft³. 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 mi². Usable capacity, 265,600,000 ft³. 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 mi². Usable capacity, 98,500,000 ft³. 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 mi². Usable capacity, 373,000,000 ft³. Permanent pool capacity, 11,543,000 ft³. 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 mi². Usable capacity 170,000,000 ft³. Permanent pool capacity, 5,700,000 ft³. 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 mi². Usable capacity, 304,000,000 ft³. 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.

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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 mi².

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, 1,010 ft³/s, Sept. 23, gage height, 8.16 ft; minimum discharge, 2.7 ft³/s, July 31, Aug. 1, gage height, 2.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	6.9	13	66	8.0	12	16	13	124	10	11	5.4
2	4.4	6.7	12	70	8.2	96	15	14	27	9.5	26	54
3	4.2	6.7	11	32	7.9	26	14	12	20	9.2	4.1	9.9
4	4.4	8.0	11	32	16	17	13	11	129	9.0	85	14
5	5.2	6.9	11	24	8.9	39	15	10	86	8.3	16	5.5
6	3.8	39	11	24	7.5	20	13	10	33	7.5	7.8	4.5
7	4.7	9.4	10	20	7.9	17	14	9.8	48	9.9	11	4.1
8	3.7	8.2	10	20	7.9	18	17	40	31	8.0	17	3.8
9	3.5	8.1	9.5	22	7.5	28	27	12	24	7.6	48	3.5
10	3.5	7.9	9.2	20	7.3	18	18	11	21	6.7	21	3.5
11	60	11	31	17	7.4	14	42	11	19	8.9	27	3.3
12	88	42	27	16	6.9	17	82	13	26	6.6	15	3.0
13	13	25	23	15	6.8	16	28	9.7	127	6.0	8.2	6.0
14	9.6	13	77	14	7.1	14	22	9.3	44	5.6	7.0	8.6
15	8.2	12	24	13	e6.8	15	20	8.5	28	5.2	6.2	4.6
16	31	19	25	13	e6.6	20	18	8.1	22	8.7	5.8	11
17	16	98	18	12	e6.4	20	16	8.1	20	6.9	18	3.5
18	11	48	16	12	e6.4	18	14	7.7	57	4.9	7.9	3.1
19	9.3	23	15	11	e6.3	15	13	7.3	24	4.8	5.5	34
20	8.6	19	119	11	9.1	29	13	7.0	20	4.3	5.0	5.0
21	7.9	18	34	11	8.9	64	12	7.6	51	4.9	4.6	3.7
22	6.9	33	25	e9.8	129	30	17	9.5	42	9.6	5.2	3.5
23	6.0	20	21	e9.3	132	21	12	8.9	27	11	4.6	100
24	6.0	17	19	e8.9	e16	18	11	11	20	5.0	3.8	11
25	6.0	15	44	e8.5	e13	17	11	7.7	17	4.4	3.6	7.7
26	58	14	26	8.5	e12	19	60	152	15	4.0	3.5	7.2
27	11	23	21	8.4	e12	17	21	24	13	3.9	3.5	6.2
28	9.0	14	19	8.1	12	14	15	17	12	4.3	3.3	28
29	8.2	14	18	7.8	---	42	14	14	11	3.5	3.1	9.0
30	7.9	14	16	7.7	---	26	13	13	11	3.5	3.1	6.8
31	7.2	---	21	7.8	---	18	---	34	---	3.0	3.1	---
TOTAL	430.8	599.8	746.7	559.8	491.8	755	616	531.2	1,149	204.7	393.9	373.4
MEAN	13.9	20.0	24.1	18.1	17.6	24.4	20.5	17.1	38.3	6.60	12.7	12.4
MAX	88	98	119	70	132	96	82	152	129	11	85	100
MIN	3.5	6.7	9.2	7.7	6.3	12	11	7.0	11	3.0	3.1	3.0
CFSM	1.31	1.89	2.27	1.70	1.66	2.30	1.94	1.62	3.61	0.62	1.20	1.17
IN.	1.51	2.10	2.62	1.96	1.73	2.65	2.16	1.86	4.03	0.72	1.38	1.31

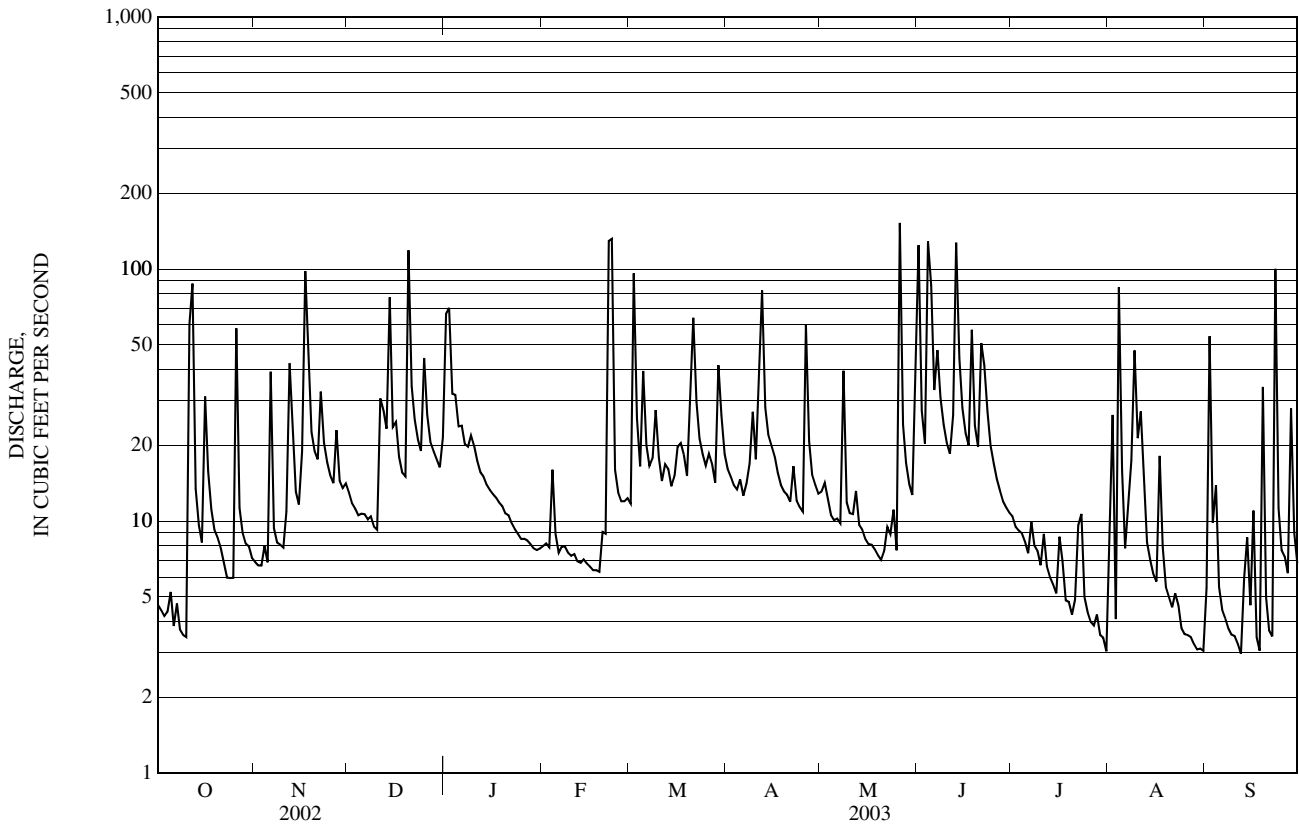
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	10.9	15.3	17.1	20.2	17.3	23.4	23.3	20.3	15.9	8.88	10.5	9.55
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	3.42	3.50	2.25	3.68	4.57	8.78	6.08	6.28	3.73	2.30	1.38	0.000
(WY)	(2002)	(2002)	(1999)	(1981)	(2002)	(1985)	(1985)	(1986)	(1999)	(1999)	(1981)	(1977)

e Estimated

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	4,955.1		6,852.1		16.1	
ANNUAL MEAN	13.6		18.8		7.26	
HIGHEST ANNUAL MEAN					24.3	1978
LOWEST ANNUAL MEAN					7.26	1985
HIGHEST DAILY MEAN	212	Sep 2	152	May 26	858	Jan 21, 1979
LOWEST DAILY MEAN	2.0	Aug 28	3.0	Jul 31	0.00	Apr 22, 1977
ANNUAL SEVEN-DAY MINIMUM	2.4	Aug 13	3.3	Aug 25	0.00	Apr 27, 1977
MAXIMUM PEAK FLOW			1,010	Sep 23	2,170	Apr 9, 1980
MAXIMUM PEAK STAGE			8.16	Sep 23	11.65	Apr 9, 1980
INSTANTANEOUS LOW FLOW			a 2.7	Jul 31	0.16	Oct 2, 1980
ANNUAL RUNOFF (CFSM)	1.28		1.77		1.52	
ANNUAL RUNOFF (INCHES)	17.39		24.05		20.61	
10 PERCENT EXCEEDS	27		36		30	
50 PERCENT EXCEEDS	7.3		12		9.4	
90 PERCENT EXCEEDS	3.2		4.6		2.5	

a Also occurred Aug. 1.



MILL RIVER BASIN

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 Rd., 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 mi².

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. No estimated daily discharges. Flow completely regulated by Easton, Hemlock, and Samp Mortar Reservoirs, usable capacity 609,900,000 ft³, 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, 446 ft³/s, June 5, gage height, 4.16 ft; minimum discharge, 5.5 ft³/s, Oct. 8, 9, 10, 11, Aug. 31, gage height, 0.97 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	13	25	68	13	44	79	38	254	22	12	7.6
2	8.1	13	23	249	13	113	73	36	186	20	18	40
3	7.6	15	20	201	14	136	66	42	111	19	9.3	18
4	7.2	19	18	169	18	98	60	35	161	19	27	20
5	7.0	20	19	124	23	103	60	30	271	17	19	13
6	6.4	35	19	109	22	104	62	28	161	15	18	9.8
7	6.4	25	18	100	23	84	57	26	130	15	12	8.4
8	5.9	22	17	87	22	83	60	62	133	16	16	7.8
9	5.5	19	16	86	19	90	72	58	101	15	37	7.4
10	5.5	19	15	86	18	91	80	48	83	15	37	7.0
11	15	16	17	78	18	79	100	39	68	15	42	6.8
12	78	22	36	68	16	72	188	40	70	14	20	6.6
13	46	36	28	59	13	63	150	36	191	12	14	7.4
14	21	48	96	56	12	60	107	31	169	11	12	16
15	17	17	46	47	12	57	87	25	119	11	11	14
16	21	21	32	42	10	69	78	21	82	11	9.9	19
17	29	50	29	40	12	101	68	18	65	13	11	10
18	20	57	24	36	15	121	57	17	100	11	20	9.9
19	17	49	23	31	15	114	49	16	93	10	13	23
20	15	29	86	29	14	101	43	15	76	9.2	11	15
21	14	9.8	65	26	14	231	38	15	84	9.3	9.6	11
22	12	12	36	23	80	219	41	16	136	12	9.2	9.2
23	12	11	32	19	223	165	41	17	119	14	8.5	68
24	11	9.7	30	18	172	125	41	20	86	11	7.4	36
25	10	10	43	16	117	103	31	17	66	9.5	7.1	20
26	30	13	51	15	80	93	65	128	52	8.5	7.0	17
27	29	27	35	14	62	95	87	149	42	8.2	6.7	15
28	18	27	32	13	51	83	64	100	35	7.9	6.4	37
29	16	26	30	13	---	89	52	71	27	7.1	6.2	28
30	15	26	28	13	---	122	43	55	24	7.1	6.5	20
31	14	---	30	13	---	107	---	56	---	7.1	5.9	---
TOTAL	528.1	716.5	1,019	1,948	1,121	3,215	2,099	1,305	3,295	391.9	449.7	527.9
MEAN	17.0	23.9	32.9	62.8	40.0	104	70.0	42.1	110	12.6	14.5	17.6
MAX	78	57	96	249	223	231	188	149	271	22	42	68
MIN	5.5	9.7	15	13	10	44	31	15	24	7.1	5.9	6.6

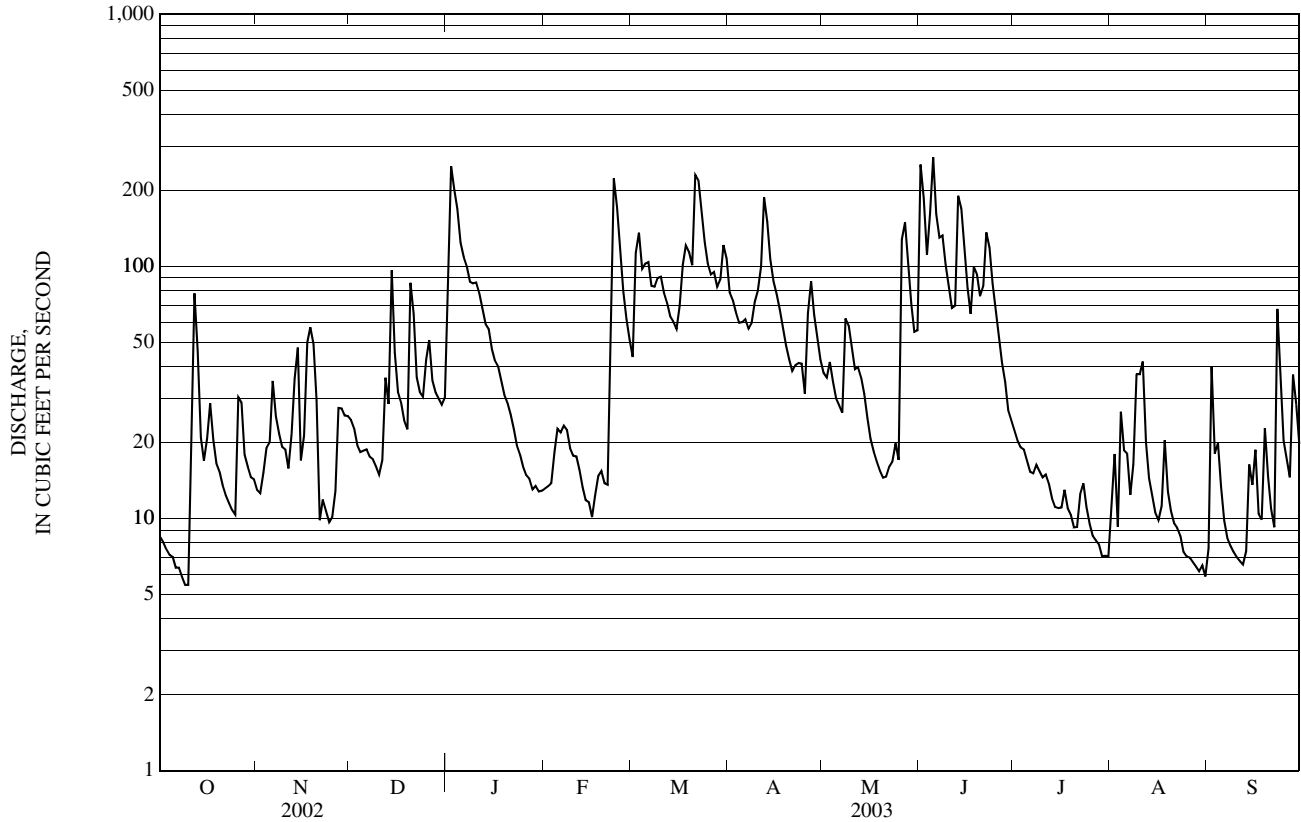
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	17.7	26.9	42.3	46.9	44.5	71.3	76.4	52.2	34.1	14.8	14.2	14.3
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	6.62	15.1	12.1	10.2	2.74	0.93	1.72	2.16
(WY)	(1985)	(1999)	(1983)	(1981)	(2002)	(2002)	(1985)	(1986)	(1987)	(1987)	(1987)	(1983)

01208925 MILL RIVER NEAR FAIRFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1973 - 2003	
ANNUAL TOTAL	6,908.4		16,616.1			
ANNUAL MEAN	18.9		45.5		37.9	
HIGHEST ANNUAL MEAN					62.4	1984
LOWEST ANNUAL MEAN					12.0	1985
HIGHEST DAILY MEAN	122	Sep 2	271	Jun 5	1,300	Jun 6, 1982
LOWEST DAILY MEAN	3.6	Aug 19	5.5	Oct 9	0.00	Nov 7, 1979
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug 13	6.3	Oct 4	0.71	Jul 16, 1987
MAXIMUM PEAK FLOW			446	Jun 5	1,800	Apr 10, 1980
MAXIMUM PEAK STAGE			4.16	Jun 5	7.15	Apr 10, 1980
INSTANTANEOUS LOW FLOW			a 5.5	Oct 8	0.00	Nov 7, 1979
10 PERCENT EXCEEDS	36		105		85	
50 PERCENT EXCEEDS	14		25		20	
90 PERCENT EXCEEDS	5.3		9.3		4.0	

a Also occurred Oct. 9-11 and Aug. 31.



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 Rd., 1.5 mi northwest of Southport.

DRAINAGE AREA.--7.38 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 26	1745	*192	*3.22	Jun 5	0315	191	3.21
Jun 1	0915	189	3.20				

Minimum discharge, 0.80 ft³/s, Aug. 28, 29, 30, 31, Sept. 1, gage height, 1.03 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	8.0	15	45	6.5	14	18	14	119	8.3	1.7	0.92
2	2.8	8.2	14	104	7.6	54	17	14	45	7.4	3.1	9.3
3	2.6	8.2	12	44	8.1	49	16	14	25	6.7	3.2	6.9
4	2.8	8.5	e9.5	37	12	22	15	12	72	7.1	11	6.7
5	3.2	8.8	e9.0	29	11	32	16	12	118	6.2	7.5	5.1
6	2.8	23	e8.9	26	8.2	28	15	11	44	4.8	7.6	3.4
7	2.6	15	e8.8	23	e7.3	20	14	11	40	4.3	4.8	2.5
8	2.5	11	e8.6	e20	e6.6	18	16	37	47	4.4	6.2	2.2
9	2.0	9.6	e8.5	e20	e6.4	27	27	20	29	4.5	17	1.7
10	1.9	9.0	e8.0	e24	e6.0	25	26	14	22	4.9	16	1.5
11	10	9.0	e8.2	e18	e6.0	17	31	13	18	4.8	19	1.2
12	84	15	38	e15	e5.5	19	85	15	21	4.6	8.4	1.1
13	24	37	24	e13	e4.8	22	43	13	96	3.8	5.8	1.2
14	13	19	72	e12	e4.6	18	26	11	66	3.1	4.6	5.5
15	9.6	14	38	e11	e4.1	19	23	10	35	3.0	3.3	6.0
16	15	13	25	e9.5	e4.0	32	20	9.3	23	2.7	2.7	14
17	20	73	20	e8.5	e3.8	42	18	8.8	19	2.6	3.1	6.5
18	14	68	e14	e7.9	e5.1	37	16	8.5	44	2.6	4.0	3.7
19	11	33	e13	e7.0	e4.8	27	16	7.6	31	2.6	2.9	6.3
20	9.3	24	57	e6.5	e4.8	23	15	7.3	21	2.2	2.2	5.5
21	8.2	20	58	e6.2	e4.8	78	14	6.9	36	2.2	1.9	3.7
22	7.5	29	29	e5.6	37	47	16	8.1	76	3.2	1.5	2.9
23	7.2	31	23	e5.1	125	30	15	8.8	44	4.8	1.3	38
24	6.9	20	19	e5.2	56	24	13	11	25	4.2	1.1	21
25	6.6	17	31	e5.0	28	21	12	9.5	18	3.3	0.96	8.8
26	33	16	38	e5.3	e17	19	37	92	15	2.7	0.89	6.6
27	19	19	26	e5.3	e15	22	37	57	12	2.0	0.89	6.0
28	12	17	21	e5.2	e14	18	19	24	10	1.8	0.81	25
29	9.8	15	19	e4.9	---	20	16	18	9.5	1.5	0.80	17
30	8.7	16	17	e4.9	---	37	15	14	9.2	1.3	0.80	9.4
31	8.3	---	21	e5.1	---	23	---	18	---	1.2	0.80	---
TOTAL	363.4	614.3	713.5	538.2	424.0	884	667	529.8	1,189.7	118.8	145.85	229.62
MEAN	11.7	20.5	23.0	17.4	15.1	28.5	22.2	17.1	39.7	3.83	4.70	7.65
MAX	84	73	72	104	125	78	85	92	119	8.3	19	38
MIN	1.9	8.0	8.0	4.9	3.8	14	12	6.9	9.2	1.2	0.80	0.92
CFSM	1.59	2.77	3.12	2.35	2.05	3.86	3.01	2.32	5.37	0.52	0.64	1.04
IN.	1.83	3.10	3.60	2.71	2.14	4.46	3.36	2.67	6.00	0.60	0.74	1.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

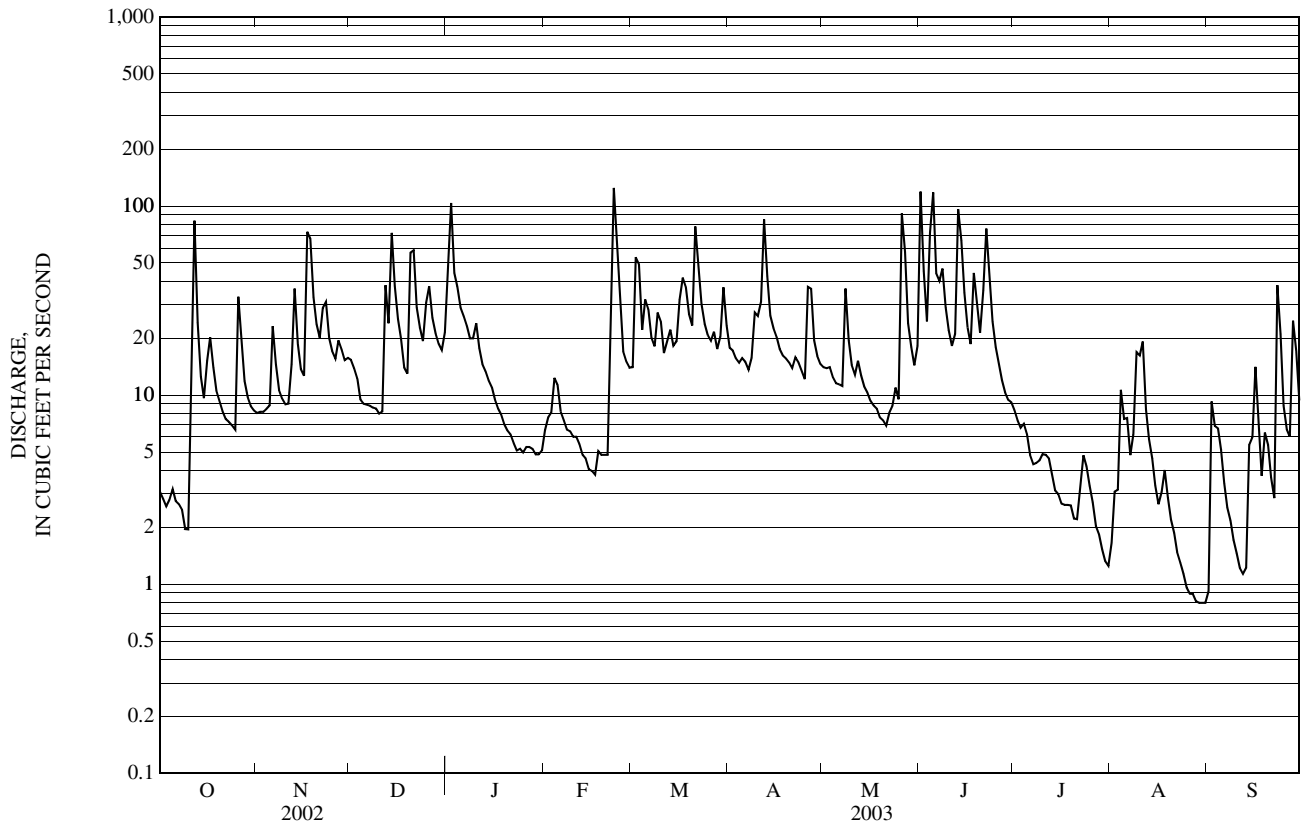
MEAN	6.52	12.1	17.6	17.4	17.7	25.4	23.3	17.0	12.2	4.42	3.96	4.73
MAX	25.0	26.4	46.1	60.3	36.9	46.4	82.2	79.1	79.2	21.1	18.9	20.6
(WY)	(1997)	(1978)	(1997)	(1979)	(1970)	(1983)	(1983)	(1989)	(1972)	(1984)	(1992)	(1974)
MIN	0.22	0.84	0.50	1.97	4.38	9.56	6.34	3.69	1.35	0.22	0.076	0.16
(WY)	(1965)	(1966)	(1999)	(1966)	(2002)	(1981)	(1985)	(1986)	(1999)	(1966)	(1966)	(1980)

e Estimated

01208950 SASCO BROOK NEAR SOUTHPORT, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	3,981.65		6,418.17			
ANNUAL MEAN	10.9		17.6		13.5	
HIGHEST ANNUAL MEAN					22.2	1984
LOWEST ANNUAL MEAN					4.47	1966
HIGHEST DAILY MEAN	92	Jun 7	125	Feb 23	785	Jun 19, 1972
LOWEST DAILY MEAN	0.10	Aug 23	0.80	Aug 29	0.00	Jul 26, 1993
ANNUAL SEVEN-DAY MINIMUM	0.13	Aug 22	0.84	Aug 26	0.01	Oct 6, 1964
MAXIMUM PEAK FLOW			192	May 26	1,640	Jun 19, 1972
MAXIMUM PEAK STAGE			3.22	May 26	7.00	Jun 19, 1972
INSTANTANEOUS LOW FLOW			a 0.80	Aug 28	0.00	Jul 23, 1991
ANNUAL RUNOFF (CFSM)	1.48		2.38		1.83	
ANNUAL RUNOFF (INCHES)	20.07		32.35		24.84	
10 PERCENT EXCEEDS	24		37		29	
50 PERCENT EXCEEDS	7.0		12		7.8	
90 PERCENT EXCEEDS	0.69		2.7		0.73	

a Also occurred Aug. 29-31 and Sep. 1.



SAUGATUCK RIVER BASIN

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 Rt. 53, 100 ft south of intersection of State Rts. 53 and 107, 0.8 mi upstream from Saugatuck Reservoir, and 1.0 mi southwest of Redding.

DRAINAGE AREA.--21.0 mi².

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 those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 180 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	0315	253	3.19	May 26	1415	208	2.99
Mar 18	1930	184	2.88	Jun 1	0715	225	3.07
Mar 21	0145	*283	*3.31				

Minimum discharge, 2.5 ft³/s, Oct. 10, gage height, 0.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	9.4	51	84	e15	e36	90	38	173	27	5.5	6.4
2	4.7	8.9	e36	211	24	82	89	38	148	22	7.4	31
3	4.2	8.3	e33	143	27	e70	74	41	94	18	9.8	23
4	3.5	8.1	e31	119	38	e64	64	46	111	17	55	21
5	3.7	8.8	e30	97	e30	e60	62	34	148	16	51	16
6	3.5	20	33	84	e26	e62	57	34	123	14	66	12
7	7.1	18	41	74	e23	e55	51	32	102	12	43	9.6
8	7.3	16	32	67	e21	50	55	75	112	14	37	7.9
9	4.0	13	e29	68	e20	63	70	51	91	13	34	7.0
10	2.7	12	e28	68	e18	e46	73	44	73	12	75	5.9
11	6.4	11	e27	56	e17	e46	83	38	57	12	81	4.9
12	39	18	82	49	e17	e44	129	42	55	12	46	4.2
13	30	49	66	45	e16	51	98	40	135	9.9	31	4.7
14	26	44	143	42	e15	46	79	33	126	8.6	24	18
15	16	27	113	e38	e15	50	66	30	91	8.4	20	26
16	25	22	90	e35	e14	85	58	26	68	11	17	54
17	34	125	e60	e32	e14	129	48	24	54	26	15	39
18	28	160	e53	e30	24	158	45	22	76	16	27	23
19	21	117	e50	e27	22	152	43	20	67	13	28	35
20	15	86	99	e26	21	129	40	18	54	10	20	27
21	20	68	109	e24	21	250	37	23	67	8.7	15	28
22	12	77	84	e23	54	227	40	23	136	21	12	20
23	9.8	78	64	e22	136	170	40	22	103	29	8.9	50
24	8.6	53	54	e21	95	133	37	26	72	23	7.2	65
25	8.1	40	57	e20	69	112	35	24	54	20	6.0	44
26	22	35	67	e19	e50	102	64	106	44	15	5.3	28
27	19	37	59	e18	e42	98	72	107	38	11	4.9	21
28	16	39	52	e18	e38	83	55	73	33	9.2	4.6	92
29	14	36	47	e17	---	85	46	49	30	7.4	4.3	99
30	12	49	42	e17	---	132	40	35	27	6.3	3.9	65
31	11	---	45	e19	---	117	---	43	---	5.5	3.6	---
TOTAL	439.8	1,293.5	1,807	1,613	922	2,987	1,840	1,257	2,562	448.0	768.4	887.6
MEAN	14.2	43.1	58.3	52.0	32.9	96.4	61.3	40.5	85.4	14.5	24.8	29.6
MAX	39	160	143	211	136	250	129	107	173	29	81	99
MIN	2.7	8.1	27	17	14	36	35	18	27	5.5	3.6	4.2
CFSM	0.68	2.05	2.78	2.48	1.57	4.59	2.92	1.93	4.07	0.69	1.18	1.41
IN.	0.78	2.29	3.20	2.86	1.63	5.29	3.26	2.23	4.54	0.79	1.36	1.57

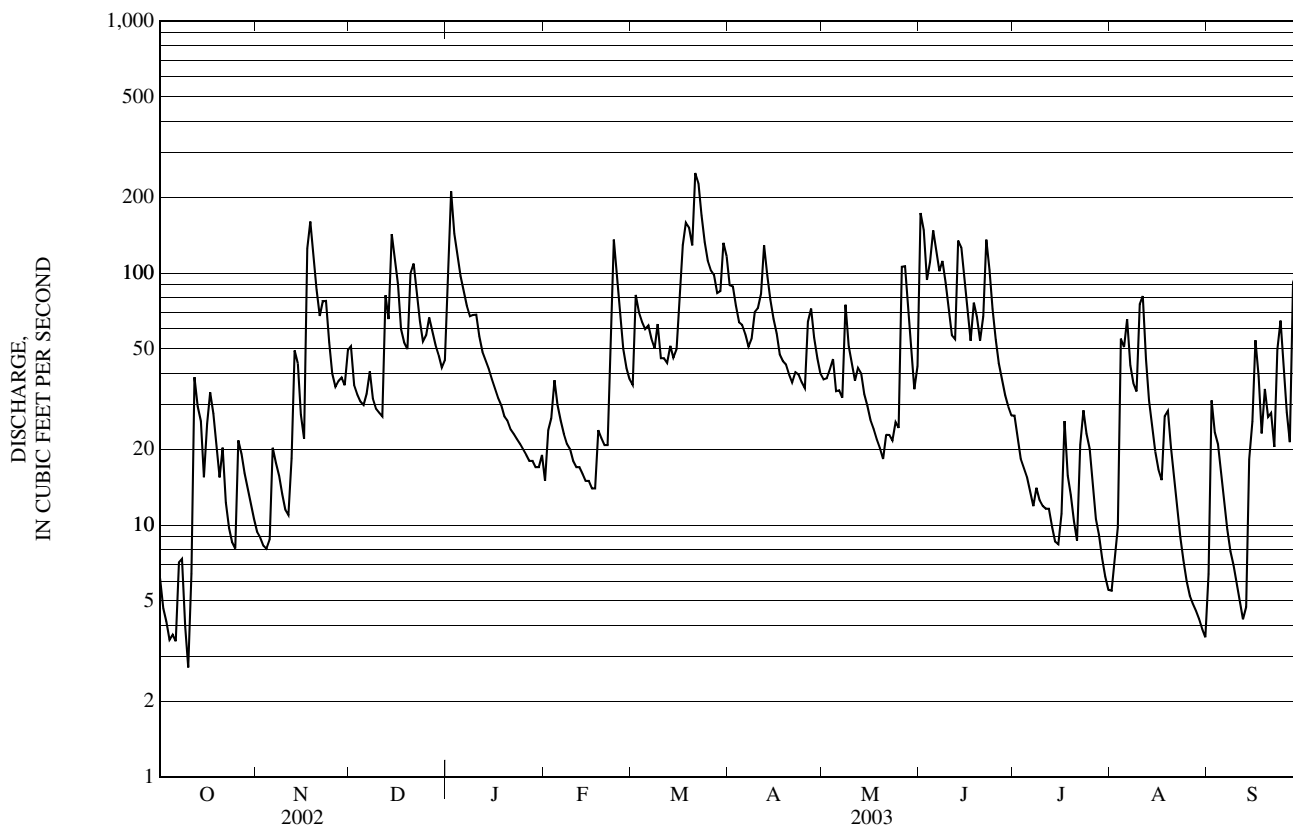
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003									
MEAN	19.6	36.1	54.3	52.1	54.2	79.3	70.0	48.5	31.8	14.3	11.6	15.2	19.6	36.1	54.3	52.1	54.2	79.3	70.0	48.5	31.8	14.3	11.6	15.2	19.6	36.1	54.3	52.1	54.2	79.3	70.0	48.5	31.8	14.3	11.6	15.2	19.6	36.1	54.3	52.1	54.2	79.3	70.0	48.5	31.8	14.3	11.6	15.2
MAX	87.9	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1	87.9	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1	87.9	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1	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)	(1997)	(1973)	(1984)	(1979)	(1970)	(1983)	(1983)	(1989)	(1972)	(1984)	(1976)	(1975)	(1997)	(1973)	(1984)	(1979)	(1970)	(1983)	(1983)	(1989)	(1972)	(1984)	(1976)	(1975)	(1997)	(1973)	(1984)	(1979)	(1970)	(1983)	(1983)	(1989)	(1972)	(1984)	(1976)	(1975)
MIN	0.92	2.28	8.05	4.69	14.5	34.7	18.9	11.4	6.01	0.88	0.22	0.42	0.92	2.28	8.05	4.69	14.5	34.7	18.9	11.4	6.01	0.88	0.22	0.42	0.92	2.28	8.05	4.69	14.5	34.7	18.9	11.4	6.01	0.88	0.22	0.42	0.92	2.28	8.05	4.69	14.5	34.7	18.9	11.4	6.01	0.88	0.22	0.42
(WY)	(1965)	(1965)	(1966)	(1981)	(2002)	(1982)	(1985)	(1986)	(1995)	(1966)	(1966)	(1983)	(1965)	(1965)	(1966)	(1981)	(2002)	(1982)	(1985)	(1986)	(1995)	(1966)	(1966)	(1983)	(1965)	(1965)	(1966)	(1981)	(2002)	(1982)	(1985)	(1986)	(1995)	(1966)	(1966)	(1983)	(1965)	(1965)	(1966)	(1981)	(2002)	(1982)	(1985)	(1986)	(1995)	(1966)	(1966)	(1983)

e Estimated

01208990 SAUGATUCK RIVER NEAR REDDING, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	9,866.40		16,825.3			
ANNUAL MEAN	27.0		46.1		40.5	
HIGHEST ANNUAL MEAN					74.8	1984
LOWEST ANNUAL MEAN					16.2	1966
HIGHEST DAILY MEAN	160	Nov 18	250	Mar 21	1,300	Mar 22, 1980
LOWEST DAILY MEAN	0.79	Aug 28	2.7	Oct 10	0.05	Sep 2, 1966
ANNUAL SEVEN-DAY MINIMUM	0.88	Aug 22	4.5	Oct 4	0.11	Aug 28, 1966
MAXIMUM PEAK FLOW			283	Mar 21	2,160	Mar 25, 1969
MAXIMUM PEAK STAGE			3.31	Mar 21	5.88	Mar 25, 1969
INSTANTANEOUS LOW FLOW			2.5	Oct 10	0.05	Sep 2, 1966
ANNUAL RUNOFF (CFSM)	1.29		2.20		1.93	
ANNUAL RUNOFF (INCHES)	17.48		29.80		26.21	
10 PERCENT EXCEEDS	63		100		92	
50 PERCENT EXCEEDS	18		35		25	
90 PERCENT EXCEEDS	3.5		8.6		2.6	



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years, 1964, 1966, June 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 30...	1300	12	0.49	12.3	102	7.9	234	7.5	7.0	83	21.9	6.91	2.27
JAN 21...	1100	28	1.3	15.0	105	7.8	263	-6.0	0.5	91	23.9	7.56	1.71
APR 14...	1230	79	46	12.4	108	7.2	204	16.0	10.0	64	16.9	5.33	1.36
JUL 28...	1230	9.2	1.6	8.7	104	8.0	223	25.0	24.0	85	23.1	6.71	1.47

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd mg/L (00500)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT 30...	11.6	66	81	0.0	23.6	<0.17	10.4	9.5	130	137	0.23	0.24	<0.04
JAN 21...	14.7	70	85	0.0	26.5	<0.17	11.6	11.4	145	140	0.12	0.16	<0.04
APR 14...	12.9	47	56	0.0	25.3	0.06	5.55	9.3	115	121	0.13	0.23	<0.04
JUL 28...	10.8	71	87	0.0	20.4	<0.2	8.90	5.9	137	134	0.25	0.34	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC, col/100 mL (31616)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 30...	E.04	<0.008	<0.02	0.005	0.012	--	5.5	--	4k	6	<0.30	17	<0.06
JAN 21...	0.39	<0.008	<0.02	0.005	0.009	0.55	3.6	1k	12	7	<0.30	20	<0.06
APR 14...	0.09	<0.008	<0.02	0.005	0.007	0.33	3.8	4k	11k	10	<0.30	16	<0.06
JUL 28...	0.19	E.005	E.01	0.023	0.032	0.52	7.0	23	25	7	<0.30	16	<0.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)
OCT 30...	<0.04	<0.8	0.073	0.5	56	<0.08	6.4	E.2	1.16	<0.2	1	0.20
JAN 21...	<0.04	2.2	0.104	0.5	85	E.06	14.0	E.2	1.38	<0.2	M	0.26
APR 14...	<0.04	<0.8	0.072	0.5	48	<0.08	9.9	E.2	0.89	<0.2	M	0.12
JUL 28...	<0.04	<0.8	0.099	0.5	102	0.10	15.8	E.3	1.03	<0.2	<1	0.23

Value qualifier codes used in this table:

k -- Counts outside acceptable range

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012095493 RIDGEFIELD BROOK AT SHIELDS LANE AT RIDGEFIELD, CT

LOCATION.--Lat 41° 18'57", long 73° 29'34", Fairfield County, Hydrologic Unit 01100005, 300 ft above Taylors Pond on right bank 35 ft upstream from bridge on Shields Lane.

DRAINAGE AREA.--3.39 mi².

PERIOD OF RECORD.--March 28, 2003 to September 30, 2003.

GAGE.--Water-stage recorder.

REMARKS.--Records good, except those for periods of estimated record, which are fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35 ft³/s, June 1, 2, gage height, 2.83 ft; minimum discharge, 0.86 ft³/s, July 31, Aug. 28, 29, 31, gage height, 1.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

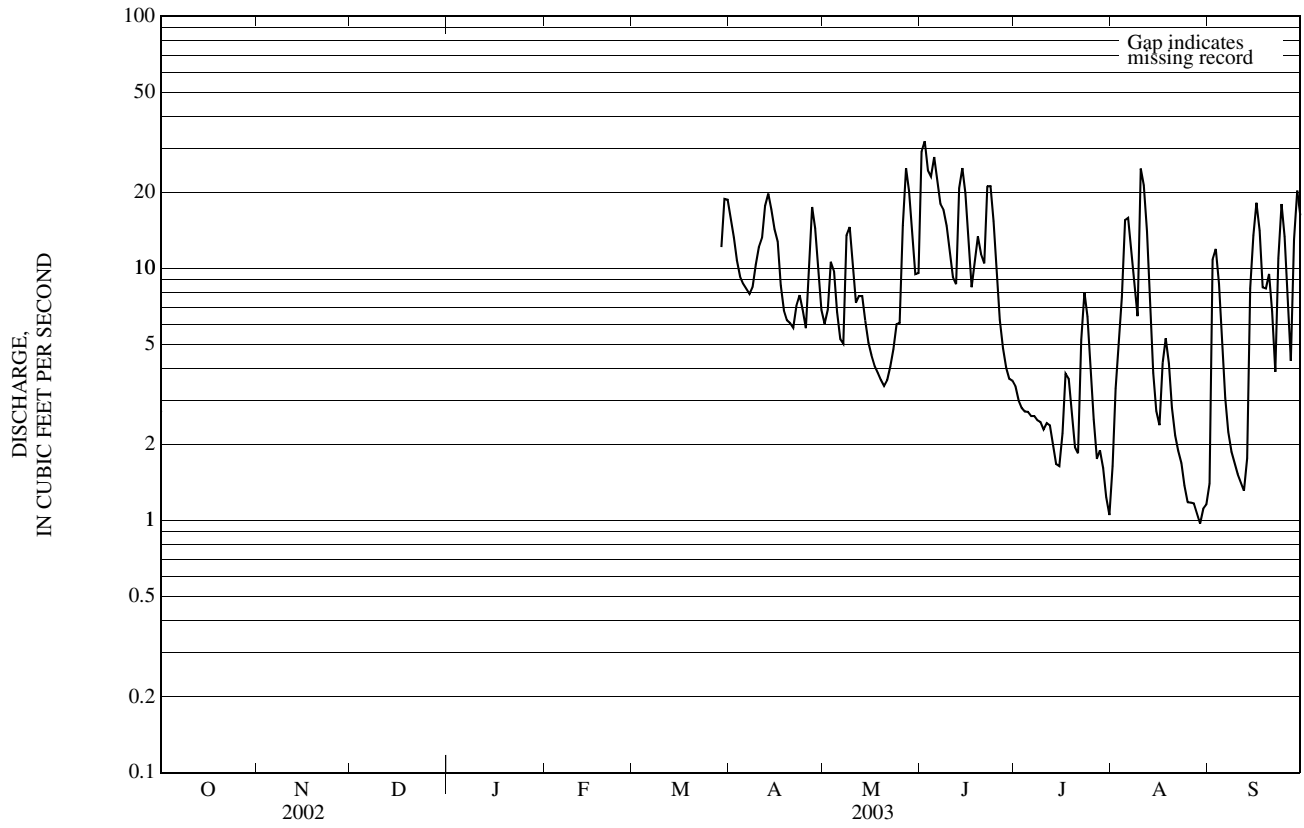
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	16	6.0	29	3.4	1.6	1.4
2	---	---	---	---	---	---	13	6.9	32	3.0	3.3	11
3	---	---	---	---	---	---	11	11	24	2.8	5.1	12
4	---	---	---	---	---	---	9.3	9.8	23	2.7	7.7	8.7
5	---	---	---	---	---	---	8.7	6.7	28	e2.7	16	5.1
6	---	---	---	---	---	---	8.3	5.2	23	e2.6	16	3.1
7	---	---	---	---	---	---	7.9	5.0	18	e2.6	11	2.2
8	---	---	---	---	---	---	8.4	14	17	e2.5	8.4	1.9
9	---	---	---	---	---	---	10	15	15	2.5	6.5	1.7
10	---	---	---	---	---	---	12	11	12	2.3	25	1.5
11	---	---	---	---	---	---	13	7.3	9.3	2.4	21	1.4
12	---	---	---	---	---	---	18	7.8	8.7	2.4	14	1.3
13	---	---	---	---	---	---	20	7.8	21	2.0	7.6	1.8
14	---	---	---	---	---	---	17	6.2	25	1.7	3.8	8.3
15	---	---	---	---	---	---	14	5.1	20	1.6	2.7	14
16	---	---	---	---	---	---	13	4.5	13	2.2	2.4	18
17	---	---	---	---	---	---	8.6	4.1	8.4	3.8	4.2	14
18	---	---	---	---	---	---	6.8	3.9	11	3.6	5.3	8.4
19	---	---	---	---	---	---	6.2	3.6	13	2.8	4.2	8.3
20	---	---	---	---	---	---	6.1	3.4	11	2.0	2.8	9.5
21	---	---	---	---	---	---	5.8	3.6	10	1.8	2.2	6.8
22	---	---	---	---	---	---	7.1	4.1	21	5.2	1.9	3.9
23	---	---	---	---	---	---	7.8	4.8	21	8.0	1.7	11
24	---	---	---	---	---	---	6.9	6.0	15	6.4	1.4	18
25	---	---	---	---	---	---	5.8	6.1	9.8	3.9	1.2	13
26	---	---	---	---	---	---	11	15	6.3	2.5	1.2	7.4
27	---	---	---	---	---	---	18	25	4.8	1.8	1.2	4.3
28	---	---	---	---	---	---	14	20	4.0	1.9	1.1	13
29	---	---	---	---	---	12	9.6	14	3.7	1.6	0.97	20
30	---	---	---	---	---	19	6.9	9.5	3.6	1.2	1.1	16
31	---	---	---	---	---	19	---	9.6	---	1.1	1.2	---
TOTAL	---	---	---	---	---	---	320.2	262.0	460.6	87.0	183.77	247.0
MEAN	---	---	---	---	---	---	10.7	8.45	15.4	2.81	5.93	8.23
MAX	---	---	---	---	---	---	20	25	32	8.0	25	20
MIN	---	---	---	---	---	---	5.8	3.4	3.6	1.1	0.97	1.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	10.7	8.45	15.4	2.81	5.93	8.23
MAX	---	---	---	---	---	---	10.7	8.45	15.4	2.81	5.93	8.23
(WY)	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	10.7	8.45	15.4	2.81	5.93	8.23
(WY)	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

e Estimated

012095493 RIDGEFIELD BROOK AT SHIELDS LANE AT RIDGEFIELD, CT—Continued



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 Rd. at South Wilton, 2.5 mi north of Norwalk.

DRAINAGE AREA.--30.0 mi².

WATER-DISCHARGE RECORDS

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 estimated record, which are fair. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminate amount of water from Streets (Popes) Pond, drainage area 2.36 mi². High flows affected by Spectacle Swamp Detention Reservoir, drainage area, 1.16 mi².

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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 20	1545	309	2.54	Jun 1	0900	523	3.07
Jan 2	0415	*586	*3.20	Jun 5	0230	337	2.62
Mar 21	0430	552	3.13	Jun 13	0630	319	2.57
May 26	1530	374	2.72				

Minimum discharge, 4.8 ft³/s, Oct. 10, 11, gage height, 0.96 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	35	119	e20	65	109	53	385	31	11	9.8
2	8.5	12	31	443	e24	156	103	63	221	27	23	67
3	7.5	12	29	232	30	165	93	75	151	25	16	49
4	7.2	12	25	186	48	108	86	60	232	24	76	46
5	7.3	12	24	145	52	121	85	55	274	22	57	28
6	6.3	29	25	123	37	120	83	52	179	19	82	19
7	6.2	26	24	106	32	88	75	51	167	17	43	15
8	5.7	20	24	94	e26	89	82	116	175	19	51	12
9	5.4	18	23	91	e23	106	103	88	135	19	48	11
10	5.0	16	21	95	e21	103	108	72	116	18	94	9.7
11	17	15	27	90	e19	81	118	60	98	17	82	8.8
12	93	23	82	77	e18	81	213	62	101	16	50	8.2
13	48	67	62	70	e17	89	155	59	256	14	37	9.5
14	35	39	199	61	e16	79	121	50	193	13	28	26
15	27	34	139	55	e15	79	109	42	142	12	20	41
16	40	29	98	49	e14	123	101	33	112	12	17	82
17	54	180	74	e40	20	183	86	31	93	20	41	50
18	36	207	57	e35	19	206	78	28	139	15	53	37
19	29	120	51	e30	17	180	73	27	119	14	28	43
20	24	83	147	e28	17	154	68	25	97	12	21	35
21	18	63	141	e25	18	422	63	24	118	12	15	29
22	14	78	95	e23	81	302	72	26	211	29	14	23
23	13	82	76	e21	239	209	70	28	140	36	17	82
24	12	57	62	e20	158	168	62	33	111	27	14	61
25	11	49	79	e18	106	144	53	31	87	23	12	40
26	38	43	86	e18	e70	130	114	186	67	16	11	35
27	31	45	65	e18	e58	132	126	155	46	11	10	29
28	23	41	56	e19	e52	110	88	98	38	11	9.3	123
29	20	36	50	e18	---	108	64	75	35	11	8.8	93
30	17	35	46	e17	---	160	53	61	33	8.5	8.5	57
31	14	---	51	e19	---	130	---	94	---	7.3	8.1	---
TOTAL	684.1	1,496	2,004	2,385	1,267	4,391	2,814	1,913	4,271	557.8	1,005.7	1,179.0
MEAN	22.1	49.9	64.6	76.9	45.2	142	93.8	61.7	142	18.0	32.4	39.3
MAX	93	207	199	443	239	422	213	186	385	36	94	123
MIN	5.0	12	21	17	14	65	53	24	33	7.3	8.1	8.2
CFSM	0.74	1.66	2.15	2.56	1.51	4.72	3.13	2.06	4.75	0.60	1.08	1.31
IN.	0.85	1.86	2.48	2.96	1.57	5.44	3.49	2.37	5.30	0.69	1.25	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

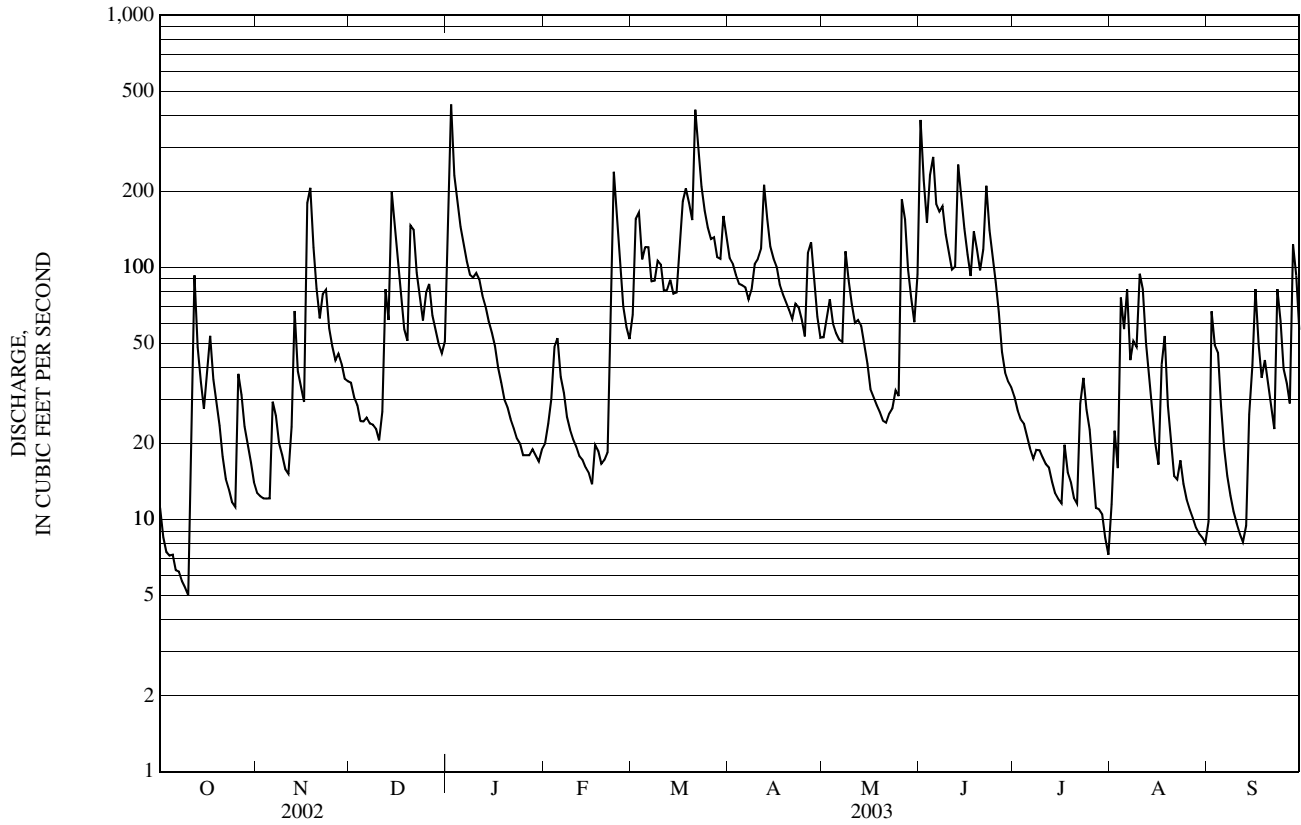
	28.1	47.6	69.1	71.6	72.8	107	101	72.6	43.6	20.3	16.9	21.3
MEAN												
MAX	128	131	210	250	165	227	327	384	266	105	63.4	129
(WY)	(1976)	(1973)	(1997)	(1979)	(1973)	(1983)	(1983)	(1989)	(1972)	(1984)	(1976)	(1971)
MIN	2.02	4.23	8.04	5.90	18.1	43.7	25.4	15.9	10.4	3.73	1.64	1.64
(WY)	(1965)	(1965)	(1999)	(1981)	(1980)	(1982)	(1985)	(1986)	(1965)	(1966)	(1965)	(1964)

e Estimated

01209700 NORWALK RIVER AT SOUTH WILTON, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	13,505.8		23,967.6			
ANNUAL MEAN	37.0		65.7		55.9	
HIGHEST ANNUAL MEAN					94.6	1984
LOWEST ANNUAL MEAN					22.9	1966
HIGHEST DAILY MEAN	335	May 14	443	Jan 2	1,650	Apr 10, 1980
LOWEST DAILY MEAN	2.8	Aug 27	5.0	Oct 10	0.80	Sep 12, 1964
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 22	6.2	Oct 4	0.91	Sep 7, 1964
MAXIMUM PEAK FLOW			586	Jan 2	2,890	Apr 10, 1980
MAXIMUM PEAK STAGE			3.20	Jan 2	6.27	Apr 10, 1980
INSTANTANEOUS LOW FLOW			a 4.8	Oct 10	0.30	Sep 24, 1964
ANNUAL RUNOFF (CFSM)	1.23		2.19		1.86	
ANNUAL RUNOFF (INCHES)	16.75		29.72		25.34	
10 PERCENT EXCEEDS	82		144		123	
50 PERCENT EXCEEDS	24		46		32	
90 PERCENT EXCEEDS	6.1		12		5.4	

a Also occurred Oct. 11.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct. 1, 2002 to Sep. 30, 2003.

DAY	TEMPERATURE, WATER, DEGREES CELSIUS											
	WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.1	14.5	15.8	7.6	6.2	7.0	4.6	2.7	3.6	4.1	2.7	3.7
2	18.4	16.1	17.2	7.0	5.9	6.4	3.9	2.5	3.1	2.7	2.2	2.4
3	18.1	17.3	17.7	6.8	5.5	6.2	3.9	1.2	2.4	2.2	1.2	1.7
4	17.3	15.9	16.3	7.2	6.1	6.7	1.8	0.4	1.2	2.4	1.6	2.0
5	19.1	16.2	17.7	7.7	5.9	6.8	1.8	0.6	1.2	2.6	1.5	2.1
6	17.4	15.2	16.2	8.5	7.6	8.0	2.9	1.0	2.0	2.9	2.1	2.5
7	16.8	15.0	15.7	7.6	5.9	7.0	1.7	0.3	1.2	2.5	1.6	2.2
8	15.3	13.1	14.2	7.3	5.2	6.4	2.8	0.5	1.6	3.0	1.6	2.3
9	13.5	12.1	12.8	8.4	6.3	7.5	2.2	0.4	1.2	4.3	2.8	3.5
10	14.3	13.1	13.7	10.6	7.8	9.0	1.5	0.3	0.9	4.1	2.5	3.4
11	14.4	13.6	14.0	12.4	10.6	11.7	2.5	0.8	1.6	2.5	1.4	2.0
12	15.0	14.3	14.7	12.1	10.2	11.1	3.1	1.8	2.4	2.1	0.8	1.5
13	14.9	14.3	14.6	10.2	8.9	9.8	3.4	1.7	2.5	2.1	0.8	1.6
14	14.7	11.6	13.2	9.0	7.6	8.4	3.4	2.9	3.2	1.7	0.4	1.0
15	11.6	10.1	11.1	9.3	7.9	8.6	3.6	2.6	3.1	1.8	0.5	1.1
16	12.3	11.5	11.8	8.6	7.0	8.1	3.9	2.7	3.5	1.5	0.2	0.9
17	12.1	10.6	11.5	7.0	6.0	6.3	2.7	1.3	2.0	2.0	0.6	1.3
18	12.0	10.7	11.5	6.4	5.6	6.0	2.2	0.6	1.4	0.9	0.0	0.2
19	11.2	9.7	10.5	6.3	5.0	5.7	3.8	1.1	2.4	0.9	0.1	0.3
20	11.4	10.4	10.9	7.1	5.4	6.2	6.6	3.7	4.7	1.4	0.2	0.6
21	10.8	9.6	10.1	7.4	5.7	6.6	4.2	3.4	3.8	1.0	0.0	0.3
22	9.8	8.3	9.2	8.3	7.3	7.8	4.4	3.3	3.8	0.9	0.0	0.2
23	9.6	8.4	8.9	7.9	5.8	6.9	4.5	3.8	4.0	0.6	0.0	0.2
24	8.7	7.2	8.1	6.8	5.3	6.0	4.1	3.3	3.7	0.7	0.0	0.3
25	9.6	8.3	9.0	7.4	5.1	6.3	3.7	0.6	2.8	1.4	0.2	0.6
26	10.7	9.5	10.1	7.1	6.0	6.6	2.6	0.6	1.9	1.2	0.3	0.7
27	10.5	9.3	9.9	6.6	4.2	5.1	2.7	1.5	2.2	0.9	0.0	0.4
28	9.7	8.5	9.2	4.2	2.6	3.3	3.0	2.0	2.5	0.6	0.0	0.3
29	8.5	7.3	7.8	4.0	2.5	3.2	3.2	1.8	2.5	1.3	0.4	0.9
30	7.9	7.3	7.6	5.2	4.0	4.6	3.5	1.9	2.8	1.6	0.2	0.8
31	8.2	7.0	7.5	---	---	---	4.4	3.3	3.9	2.1	0.9	1.6
MONTH	19.1	7.0	12.2	12.4	2.5	7.0	6.6	0.3	2.6	4.3	0.0	1.4

NORWALK RIVER BASIN

01209700 NORWALK RIVER AT SOUTH WILTON, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	386	382	383	374	359	367	287	279	282	290	181	264
2	390	384	387	372	362	368	287	285	286	181	125	141
3	384	375	382	374	365	370	294	287	289	179	136	150
4	375	368	372	373	362	368	299	294	297	197	177	188
5	368	359	364	370	356	367	298	294	297	185	175	179
6	375	359	365	356	276	308	312	294	301	212	185	201
7	376	372	374	353	312	344	315	305	310	209	203	206
8	376	373	374	355	341	349	312	304	307	229	206	216
9	377	375	376	361	351	354	310	304	305	219	213	216
10	376	374	375	371	354	366	311	307	309	215	197	207
11	375	234	329	367	347	359	340	305	315	203	197	199
12	304	204	258	369	270	342	323	281	297	208	203	205
13	315	303	307	324	270	301	302	285	288	209	205	208
14	344	315	332	314	300	305	298	226	241	211	206	209
15	361	340	352	334	314	324	244	227	233	211	207	209
16	369	278	336	339	304	331	257	244	252	212	208	210
17	337	281	319	304	183	220	266	257	261	211	209	210
18	327	307	317	194	176	184	274	266	270	218	211	216
19	346	323	335	220	194	206	280	274	278	222	218	220
20	356	342	351	240	220	231	282	176	237	220	218	219
21	366	353	359	247	240	244	212	196	204	225	219	222
22	368	360	364	243	223	236	231	212	222	231	225	229
23	371	361	366	235	226	231	242	231	236	236	230	234
24	372	342	358	249	233	242	250	242	244	241	235	238
25	367	349	360	262	249	257	272	220	244	240	234	237
26	366	259	295	266	262	265	311	220	261	236	234	235
27	334	294	326	349	259	296	276	257	263	237	234	236
28	347	328	336	305	277	282	270	262	265	243	236	239
29	360	338	345	283	280	282	273	268	269	247	236	241
30	366	354	360	282	278	280	283	273	275	240	236	239
31	370	361	366	---	---	---	316	283	300	239	234	237
MONTH	390	204	349	374	176	299	340	176	272	290	125	215
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	236	234	234	206	201	203	291	287	289	348	312	334
2	236	226	231	262	165	207	297	290	292	314	286	302
3	233	225	229	175	167	169	298	293	296	310	286	297
4	261	225	233	191	175	185	297	296	296	319	300	310
5	229	222	226	251	191	214	299	295	297	326	313	320
6	239	229	234	205	192	197	303	283	295	328	316	322
7	265	235	251	273	195	219	386	294	317	323	299	316
8	278	260	266	259	221	239	388	333	363	299	256	273
9	276	257	264	259	216	232	345	298	322	304	294	297
10	276	253	259	224	204	214	311	296	304	317	304	310
11	294	276	284	---	---	---	314	291	303	321	316	319
12	288	258	268	---	---	---	301	236	261	322	313	317
13	264	256	261	225	202	209	282	260	267	321	312	318
14	268	257	263	---	---	---	298	282	288	324	320	322
15	266	251	259	---	---	---	304	290	296	345	321	327
16	267	257	261	---	---	---	305	289	299	352	345	349
17	276	262	270	---	---	---	319	298	308	353	350	352
18	271	254	261	---	---	---	321	304	312	355	352	353
19	276	266	270	---	---	---	311	292	304	356	353	355
20	328	268	283	---	---	---	313	291	304	358	352	356
21	326	279	292	---	---	---	314	289	306	359	355	357
22	302	200	268	---	---	---	317	294	304	356	349	353
23	206	162	181	---	---	---	308	296	303	358	351	355
24	190	167	181	---	---	---	316	297	308	358	345	351
25	201	190	196	---	---	---	320	301	310	369	358	366
26	214	201	209	262	257	258	314	254	282	372	185	280
27	222	202	218	265	255	260	289	265	276	260	221	237
28	202	197	200	281	265	271	321	287	296	284	260	271
29	---	---	---	283	259	278	342	321	330	312	284	300
30	---	---	---	268	254	264	344	323	335	324	296	315
31	---	---	---	287	268	274	---	---	---	298	239	279
MONTH	328	162	245	287	165	229	388	236	302	372	185	320

01209710 NORWALK RIVER AT WINNIPAUUK, 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 mi².

PERIOD OF RECORD.--October 1980 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1997 to September 1999, January 2002 to current year.

SPECIFIC CONDUCTANCE: January 2002 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 33.0° C June 28, 1999; minimum 0.0° C on numerous days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
21...	1030	28	0.15	12.0	108	7.8	367	15.5	10.5	--	--	--	--
30...	1100	21	1.0	13.7	116	7.7	364	8.0	8.0	110	28.6	9.43	4.38
NOV													
14...	1320	51	--	9.2	106	8.0	312	14.5	9.0	--	--	--	--
DEC													
03...	1045	39	1.2	14.0	103	7.3	339	-4.0	3.0	94	24.4	8.12	3.06
23...	1310	101	--	13.4	104	7.7	281	5.5	4.5	--	--	--	--
JAN													
16...	1140	62	0.40	15.7	106	7.7	355	-3.5	0.5	--	--	--	--
FEB													
04...	1220	55	10	12.9	101	7.8	351	6.5	4.0	93	24.1	8.05	3.37
11...	1245	245	0.70	15.9	112	7.8	471	<5.0	1.0	--	--	--	--
MAR													
25...	1145	152	1.5	12.5	105	8.0	252	12.5	8.0	--	--	--	--
31...	1140	144	--	12.8	109	8.0	278	4.0	8.0	--	--	--	--
APR													
10...	1110	113	0.45	13.8	110	8.0	313	11.0	6.0	--	--	--	--
14...	0900	132	0.84	12.5	103	7.5	294	11.0	8.0	76	19.5	6.63	2.59
21...	1015	68	0.30	10.4	95	8.7	312	15.5	11.0	--	--	--	--
MAY													
06...	1045	49	1.0	11.4	104	8.1	333	14.5	11.5	--	--	--	--
21...	1200	24	1.2	10.4	102	7.9	358	17.0	14.5	--	--	--	--
JUN													
03...	1030	165	3.0	10.5	104	7.9	248	16.0	15.0	--	--	--	--
24...	1000	117	--	10.1	108	7.9	277	31.0	18.5	--	--	--	--
24...	1015	117	2.6	10.1	107	7.9	277	31.0	18.5	80	21.0	6.74	3.02
JUL													
08...	1030	21	--	10.0	115	7.6	349	29.5	22.0	--	--	--	--
28...	0930	10	1.9	10.0	118	8.0	398	30.5	23.0	120	31.0	9.42	4.57
30...	1115	9.4	--	10.9	122	8.2	397	29.5	21.0	--	--	--	--
AUG													
06...	0910	1.7	--	9.4	110	8.1	318	25.5	23.0	--	--	--	--
14...	0945	31	--	9.3	109	8.3	333	29.5	23.0	96	24.9	8.15	4.36
14...	0950	31	1.9	9.3	108	8.3	333	29.5	23.0	--	--	--	--
26...	1100	--	--	10.7	116	7.4	337	--	19.5	--	--	--	--
SEP													
03...	1130	51	--	9.7	101	7.9	305	19.0	17.5	--	--	--	--
30...	0930	60	4.5	10.8	105	7.9	280	15.0	14.5	85	21.9	7.40	3.91

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon-ate, wat flt incrm. titr., field, mg/L (00452)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unfltrd, mg/L (00500)	Residue on evap. at 180degC wat fltrd, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
21...	--	70	85	0.0	49.9	--	--	19.4	--	--	--	0.29	<0.04
30...	25.1	76	93	0.0	50.2	<0.17	9.56	19.6	202	211	0.21	0.25	<0.04
NOV													
14...	--	63	77	0.0	42.3	--	--	16.2	--	--	--	0.33	<0.04
DEC													
03...	24.7	62	76	0.0	47.2	<0.17	10.5	17.7	187	187	0.18	0.19	<0.04
23...	--	45	55	0.0	38.5	--	--	14.8	--	--	--	0.21	<0.04
JAN													
16...	--	55	67	0.0	51.1	--	--	17.5	--	--	--	0.14	<0.04
FEB													
04...	31.9	62	76	0.0	61.8	0.07	7.22	17.2	241	211	0.21	0.43	E.04
11...	--	69	84	0.0	83.1	--	--	17.8	--	--	--	0.15	<0.04
MAR													
25...	--	38	46	0.0	41.3	--	--	12.3	--	--	--	0.20	<0.04
31...	--	48	59	0.0	--	--	--	--	--	--	--	0.25	<0.04
APR													
10...	--	46	56	0.0	--	--	--	--	--	--	--	<0.10	<0.04
14...	25.0	44	54	0.0	48.1	0.07	5.09	13.2	164	163	0.17	0.28	<0.04
21...	--	52	59	2	50.8	--	--	14.6	--	--	--	0.23	<0.04
MAY													
06...	--	62	76	0.0	--	--	--	--	--	--	--	0.33	<0.04
21...	--	63	77	0.0	54.9	--	--	15.5	--	--	--	0.42	E.04
JUN													
03...	--	50	61	0.0	34.0	--	--	10.9	--	--	--	0.36	E.03
24...	--	55	67	0.0	--	--	--	--	--	--	--	0.35	<0.04
24...	19.2	56	68	0.0	36.5	<0.2	9.94	11.6	140	155	0.28	0.36	<0.04
JUL													
08...	--	63	77	0.0	52.6	--	--	16.8	--	--	--	0.39	0.06
28...	28.6	81	99	0.0	58.2	<0.2	8.46	15.9	212	227	0.26	0.30	<0.04
30...	--	78	95	0.0	--	--	--	--	--	--	--	0.28	<0.04
AUG													
06...	--	72	88	0.0	--	--	--	--	--	--	--	0.69	<0.04
14...	25.0	73	89	0.0	48.7	<0.2	11.3	11.2	207	203	0.33	0.42	<0.04
14...	--	73	89	0.0	47.6	--	--	11.2	--	--	--	0.41	<0.04
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
03...	--	65	79	0.0	41.4	--	--	12.1	--	--	--	0.47	<0.04
30...	19.4	66	81	0.0	34.5	<0.2	10.1	10.6	168	164	0.33	0.39	<0.04

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Inorganic carbon, suspdnd sedimnt total, mg/L (00688)	Organic carbon, suspdnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/100 mL (90902)	Fecal coliform, M-FC 0.45uMF col/100 mL (31616)
OCT													
21...	0.48	<0.008	--	0.03	--	0.052	0.77	<0.1	<0.1	5.5	--	--	--
30...	0.42	<0.008	--	E.02	0.025	0.036	0.67	--	--	--	5.1	--	37k
NOV													
14...	0.27	<0.008	--	0.02	--	0.046	0.60	<0.1	0.4	6.0	--	--	--
DEC													
03...	0.82	E.006	--	0.03	0.034	0.042	1.0	--	--	--	3.4	--	700
23...	0.77	<0.008	--	E.01	--	0.026	0.98	<0.1	0.2	3.3	--	--	--
JAN													
16...	0.99	<0.008	--	<0.02	--	0.019	1.1	<0.1	<0.1	2.1	--	--	--
FEB													
04...	0.93	E.006	--	E.01	0.015	0.063	1.4	--	--	--	3.2	160	240
11...	0.78	E.005	--	<0.02	--	0.019	0.93	<0.1	0.2	2.1	--	--	--
MAR													
25...	0.56	<0.008	--	E.01	--	0.026	0.76	<0.1	0.3	3.1	--	--	--
31...	0.49	<0.008	--	E.01	--	0.028	0.74	--	--	--	--	--	--
APR													
10...	0.53	<0.008	--	<0.02	--	<0.004	--	--	--	--	--	--	--
14...	0.37	<0.008	--	<0.02	0.010	0.015	0.64	--	--	--	4.0	9k	27
21...	0.27	<0.008	--	<0.02	--	0.020	0.50	<0.1	0.2	3.1	--	--	--
MAY													
06...	0.20	<0.008	--	<0.02	--	0.024	0.54	--	--	--	--	--	--
21...	0.56	0.017	--	0.02	--	0.064	0.98	<0.1	0.6	3.2	--	--	--
JUN													
03...	0.41	E.007	--	0.02	--	0.061	0.77	<0.1	0.8	4.4	--	--	--
24...	0.48	0.008	--	0.03	--	0.067	0.83	--	--	--	--	--	--
24...	0.48	0.008	--	0.03	0.046	0.067	0.84	--	--	--	5.4	140	185
JUL													
08...	<0.06	<0.008	0.32	E.02	--	0.062	--	<0.1	0.3	2.9	--	--	--
28...	0.61	0.008	--	0.04	0.060	0.080	0.91	--	--	--	5.1	860	3,800
30...	0.49	<0.008	--	0.04	--	0.069	0.78	--	--	--	--	--	--
AUG													
06...	0.38	E.006n	--	0.07	--	0.172	1.1	--	--	--	--	--	--
14...	0.37	E.004n	--	0.07	0.094	0.118	0.79	--	--	--	7.8	4,500k	620k
14...	0.38	E.004n	--	0.07	--	0.118	0.78	<0.1c	E.5c	5.7	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
03...	0.44	E.004n	--	0.03	--	0.099	0.91	<0.1	1.4	4.4	--	--	--
30...	0.38	<0.008	--	0.04	0.059	0.084	0.77	--	--	--	7.6	290	306k

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aluminum, water, flt'd, ug/L (01106)	Antimony, water, flt'd, ug/L (01095)	Barium, water, flt'd, ug/L (01005)	Beryllium, water, flt'd, ug/L (01010)	Cadmium water, flt'd, ug/L (01025)	Chromium, water, flt'd, ug/L (01030)	Cobalt water, flt'd, ug/L (01035)	Copper, water, flt'd, ug/L (01040)	Iron, water, flt'd, ug/L (01046)	Lead, water, flt'd, ug/L (01049)	Manganese, water, flt'd, ug/L (01056)	Molybdenum, water, flt'd, ug/L (01060)	Nickel, water, flt'd, ug/L (01065)
OCT													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	7	<0.30	40	<0.06	E.02	<0.8	0.140	1.4	110	0.15	25.5	0.7	1.77
NOV													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
03...	6	<0.30	38	<0.06	E.02	<0.8	0.137	1.0	114	0.17	32.5	0.4	1.51
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
04...	8	E.18	42	<0.06	E.03	<0.8	0.159	1.5	55	0.23	30.6	0.4	1.53
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	11	<0.30	41	<0.06	E.02	<0.8	0.113	1.1	75	E.07	18.8	E.3	1.23
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	14	<0.30	38	<0.06	<0.04	2.2	0.135	1.2	138	0.18	19.1	0.5	1.26
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	6	<0.30	43	<0.06	<0.04	<0.8	0.197	1.6	104	0.18	43.2	0.8	1.58
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	10	E.22n	36	<0.06	<0.04	<0.8	0.187	1.8	159	0.32	37.5	1.3	1.69
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	15	<0.30	35	<0.06	<0.04	<0.8	0.127	1.3	158	0.27	24.8	0.4	0.93

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT													
21...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	1
30...	--	--	--	--	--	--	--	--	--	--	--	0.74	--
NOV													
14...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	0.62	--
23...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2
JAN													
16...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	M
FEB													
04...	--	--	--	--	--	--	--	--	--	--	--	0.81	--
11...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	1
MAR													
25...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	3
31...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2
APR													
10...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2
14...	--	--	--	--	--	--	--	--	--	--	--	0.40	--
21...	<0.004	<0.010	<0.011	<0.02	E.003n	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2
MAY													
06...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4
21...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4
JUN													
03...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	7
24...	<0.004	<0.010	<0.011	<0.02	0.008	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	4
24...	--	--	--	--	--	--	--	--	--	--	--	0.49	--
JUL													
08...	<0.004	<0.010	<0.011	<0.02	E.004n	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	2
28...	--	--	--	--	--	--	--	--	--	--	--	0.57	--
30...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	5
AUG													
06...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	21
14...	--	--	--	--	--	--	--	--	--	--	--	0.48	--
14...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	6
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
03...	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	14
30...	--	--	--	--	--	--	--	--	--	--	--	0.54	--

01209710 NORWALK RIVER AT WINNIPAUUK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Teflu- thrin metab- olite R152913 wat flt ug/L (61672)	Teflu- thrin, water, fltrd, ug/L (61606)	Tem- phos, water, fltrd, ug/L (61607)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Ter- butyl- azine, water, fltrd, ug/L (04022)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	z-Di- metho- morph, water, fltrd, ug/L (79845) (Di- chlor- vos, water fltrd, ug/L (38775)
OCT									
21...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
30...	--	--	--	--	--	--	--	--	--
NOV									
14...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
DEC									
03...	--	--	--	--	--	--	--	--	--
23...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	M
JAN									
16...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
FEB									
04...	--	--	--	--	--	--	--	--	--
11...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
MAR									
25...	<0.01	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
31...	--	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
APR									
10...	--	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
14...	--	--	--	--	--	--	--	--	--
21...	--	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
MAY									
06...	--	<0.008	<0.3	<0.07	<0.01	<0.01	<0.004	<0.05	<0.01
21...	--	<0.008mc	<0.3mc	<0.07	<0.01	<0.01	<0.004mc	<0.05	<0.01mc
JUN									
03...	--	<0.008mc	--u	<0.07	<0.01	<0.01	<0.004mc	<0.05	<0.01mc
24...	--	<0.008mc	<0.3mc	<0.07	<0.01	<0.01	<0.004mc	<0.05	<0.01mc
24...	--	--	--	--	--	--	--	--	--
JUL									
08...	--	<0.008mc	<0.3mc	<0.07	<0.01	<0.01	<0.004mc	<0.05	<0.01mc
28...	--	--	--	--	--	--	--	--	--
30...	--	<0.008mc	<0.3mc	<0.07	<0.01	<0.01	<0.004mc	<0.05	<0.01mc
AUG									
06...	--	<0.008mc	<0.3mc	<0.07	0.03	<0.01	<0.004mc	<0.05	E.01mc
14...	--	--	--	--	--	--	--	--	--
14...	--	<0.008mc	<0.3mc	<0.07	E.01	<0.01	<0.004mc	<0.05	<0.01mc
26...	--	--	--	--	--	--	--	--	--
SEP									
03...	--	<0.008mc	<0.3mc	<0.07	E.01	<0.01	<0.004mc	<0.05	Mmc
30...	--	--	--	--	--	--	--	--	--

Value qualifier codes used in this table:

- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- m -- Highly var comp using method, ? prec
- n -- Below the NDV
- t -- Below the long-term MDL

Null value qualifier codes used in this table:

- u -- Unable to determine-matrix interference

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.4	14.8	16.6	8.1	6.3	7.2	4.9	2.6	3.7	4.4	3.1	4.0
2	19.8	16.4	18.3	6.9	5.9	6.5	3.9	2.5	3.1	3.1	2.3	2.6
3	19.3	17.8	18.5	7.0	5.4	6.3	3.9	1.1	2.4	2.3	1.4	1.8
4	18.1	16.5	16.9	7.5	6.1	6.8	1.7	0.4	1.1	2.6	1.8	2.2
5	20.3	17.1	18.7	7.8	6.1	7.1	1.6	0.6	1.1	2.7	1.7	2.2
6	18.0	15.9	17.0	9.0	7.6	8.3	2.8	0.9	1.9	3.0	2.3	2.7
7	18.1	15.9	16.7	7.9	6.0	7.2	1.9	0.4	1.3	2.7	1.9	2.3
8	16.2	14.1	15.0	7.8	5.4	6.7	2.9	0.6	1.8	3.2	1.6	2.4
9	14.2	12.7	13.5	8.9	6.6	7.8	2.3	0.5	1.2	4.3	3.1	3.7
10	15.0	13.7	14.3	10.7	8.1	9.3	1.8	0.2	1.0	4.2	2.8	3.6
11	14.9	14.0	14.5	12.7	10.7	12.0	2.8	0.9	1.7	2.8	1.4	2.0
12	15.2	14.7	14.9	12.3	10.6	11.5	3.5	2.2	2.8	2.1	0.7	1.5
13	15.2	14.4	14.8	10.6	9.0	9.9	3.9	1.9	2.8	2.1	0.8	1.5
14	14.8	11.7	13.4	9.2	7.8	8.6	4.0	3.2	3.6	1.6	0.3	1.0
15	12.1	10.2	11.3	9.7	8.1	8.8	3.8	2.8	3.3	1.4	0.4	0.9
16	12.8	11.6	12.0	8.9	7.2	8.3	4.1	2.8	3.7	1.3	0.0	0.7
17	12.4	10.9	11.8	7.2	6.2	6.5	2.8	1.4	2.0	1.9	0.3	1.2
18	12.7	10.8	11.8	6.6	5.8	6.2	2.1	0.5	1.4	0.4	0.0	0.1
19	11.2	9.9	10.7	6.5	5.2	5.9	4.0	1.2	2.5	0.3	0.0	0.1
20	12.2	10.4	11.2	7.2	5.6	6.5	7.5	4.0	5.2	1.2	0.0	0.5
21	11.3	9.6	10.4	7.8	5.9	6.8	4.5	3.6	4.0	0.6	0.0	0.1
22	10.5	8.5	9.5	8.6	7.6	8.1	4.5	3.5	4.0	0.4	0.0	0.0
23	10.0	8.5	9.2	8.2	6.0	7.0	4.6	4.0	4.2	0.2	0.0	0.0
24	9.2	7.2	8.3	6.9	5.4	6.2	4.2	3.3	3.8	0.1	0.0	0.0
25	9.9	8.3	9.1	7.4	5.3	6.4	3.9	0.7	2.9	0.4	0.0	0.1
26	11.3	9.6	10.5	7.4	6.3	6.9	2.8	0.7	2.0	0.5	0.0	0.3
27	11.2	9.4	10.2	6.7	4.2	5.3	2.7	1.6	2.3	0.5	0.0	0.2
28	10.2	8.6	9.4	4.2	2.8	3.4	3.2	2.1	2.7	0.1	0.0	0.0
29	8.6	7.4	8.0	4.0	2.7	3.3	3.2	2.0	2.7	0.7	0.0	0.4
30	7.9	7.2	7.6	5.4	4.0	4.8	3.6	2.1	2.9	0.9	0.0	0.6
31	8.6	6.9	7.7	---	---	---	4.7	3.6	4.1	1.9	0.8	1.3
MONTH	20.3	6.9	12.6	12.7	2.7	7.2	7.5	0.2	2.7	4.4	0.0	1.3
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.2	1.9	2.1	2.8	1.1	2.0	6.7	5.0	5.8	14.9	12.6	13.9
2	4.0	2.1	2.9	2.5	1.2	2.0	8.3	5.4	6.8	18.3	14.1	16.0
3	4.0	1.9	3.0	1.5	0.0	0.7	9.0	6.2	7.8	17.1	14.0	15.6
4	3.7	1.8	3.3	---	---	---	8.3	6.3	7.2	15.2	12.7	14.1
5	2.5	0.8	1.5	---	---	---	6.3	5.4	5.7	13.8	11.8	12.7
6	1.8	0.0	0.9	---	---	---	8.0	4.5	6.3	12.6	11.3	11.9
7	1.3	0.5	0.8	---	---	---	6.6	3.3	4.7	16.7	11.7	14.3
8	1.2	0.0	0.5	---	---	---	4.8	3.1	4.0	16.0	13.4	14.5
9	1.9	0.0	0.8	---	---	---	4.8	4.2	4.5	15.4	13.0	14.2
10	1.5	0.8	1.1	---	---	---	7.9	3.8	5.9	16.1	13.1	14.7
11	1.4	0.0	0.8	---	---	---	7.0	5.7	6.3	15.4	13.3	14.3
12	1.6	0.0	0.6	---	---	---	9.6	6.6	7.9	14.7	12.9	13.7
13	0.8	0.0	0.2	---	---	---	11.4	7.6	9.5	14.2	12.7	13.3
14	0.7	0.0	0.1	---	---	---	11.6	7.8	9.8	14.8	12.0	13.3
15	1.0	0.0	0.3	---	---	---	14.0	8.6	11.4	16.8	12.7	14.6
16	0.1	0.0	0.0	---	---	---	16.6	11.4	14.1	15.9	13.5	14.5
17	0.0	0.0	0.0	---	---	---	14.7	9.5	11.5	16.1	12.3	13.9
18	0.1	0.0	0.0	---	---	---	9.6	8.0	8.9	15.9	11.9	13.8
19	0.1	0.0	0.0	---	---	---	12.2	7.6	10.0	17.6	12.0	14.6
20	1.8	0.0	0.8	---	---	---	13.1	9.1	11.3	18.4	13.5	15.7
21	2.6	0.0	1.4	---	---	---	13.5	9.6	11.8	15.6	13.9	14.5
22	2.1	0.6	1.5	---	---	---	12.6	10.7	11.3	13.9	12.8	13.4
23	1.1	0.1	0.7	---	---	---	11.1	9.2	10.4	12.9	12.3	12.7
24	1.0	0.0	0.5	---	---	---	11.8	7.9	9.9	13.0	12.4	12.7
25	2.1	0.1	0.9	---	---	---	13.2	8.8	11.1	13.8	12.4	13.1
26	0.8	0.0	0.2	10.6	7.0	8.8	12.2	10.8	11.3	13.3	12.0	12.5
27	1.9	0.0	0.8	11.0	7.7	9.4	14.5	10.8	12.6	14.2	12.0	13.1
28	3.1	0.6	1.7	11.2	7.6	9.6	15.9	11.3	13.8	15.4	13.0	14.1
29	---	---	---	13.1	9.6	11.3	15.2	12.6	14.2	17.0	13.2	15.1
30	---	---	---	12.4	7.9	10.0	16.4	12.4	14.3	18.2	14.9	16.6
31	---	---	---	8.8	6.5	7.6	---	---	---	16.7	15.5	16.2
MONTH	4.0	0.0	1.0	13.1	0.0	6.8	16.6	3.1	9.3	18.4	11.3	14.1

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	372	365	367	388	371	379	336	319	324	339	207	303
2	379	372	374	387	368	377	342	327	332	207	190	195
3	382	367	376	390	374	382	349	329	338	279	202	228
4	379	362	368	384	365	375	365	338	348	304	265	281
5	374	329	360	373	351	371	367	338	349	265	254	257
6	368	358	363	358	243	295	399	337	363	319	261	296
7	379	364	369	356	318	338	388	354	367	302	292	296
8	381	369	374	356	345	351	377	348	362	352	296	322
9	400	373	379	359	353	356	373	351	357	323	308	314
10	387	374	378	369	358	365	367	349	357	310	285	300
11	389	193	306	369	354	360	469	335	374	293	284	288
12	306	180	239	370	257	333	373	318	347	301	293	297
13	316	295	304	325	257	297	376	312	341	304	298	301
14	338	310	325	316	307	311	330	250	269	307	299	303
15	364	331	341	339	315	327	279	249	260	307	300	304
16	371	291	340	338	308	333	291	273	282	309	301	305
17	335	286	311	308	215	236	301	286	292	309	301	305
18	343	324	334	220	199	208	312	294	301	321	305	313
19	358	335	343	246	220	232	315	302	307	326	313	319
20	375	349	361	273	246	262	311	198	259	318	313	316
21	376	350	364	284	273	279	247	224	234	325	318	322
22	377	360	367	281	247	267	269	244	256	339	325	332
23	382	364	371	268	253	262	279	266	272	367	335	342
24	384	362	374	287	266	275	287	279	282	394	347	362
25	378	353	367	311	285	295	297	244	277	362	346	353
26	370	226	280	314	302	307	439	252	330	370	347	357
27	353	286	325	434	295	355	322	299	310	378	353	360
28	357	333	342	366	320	333	314	302	308	369	349	359
29	376	343	353	342	323	326	318	310	313	366	351	359
30	380	357	370	334	319	327	328	316	319	359	348	353
31	390	363	374	---	---	---	370	324	351	358	343	349
MONTH	400	180	348	434	199	317	469	198	316	394	190	313
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	352	339	343	290	285	287	293	285	290	347	324	338
2	348	332	339	308	240	284	296	292	294	324	268	306
3	336	329	331	---	---	---	299	296	298	310	291	297
4	441	320	347	---	---	---	300	298	299	315	303	310
5	329	315	324	---	---	---	302	295	298	326	313	319
6	341	328	335	---	---	---	304	288	299	359	324	334
7	444	332	368	---	---	---	402	289	321	330	205	325
8	420	378	391	---	---	---	420	353	384	302	242	270
9	411	372	389	---	---	---	360	301	330	307	295	299
10	422	361	380	---	---	---	309	300	305	319	307	312
11	535	402	437	---	---	---	315	291	303	324	311	320
12	436	375	398	---	---	---	297	237	257	321	311	317
13	389	362	377	---	---	---	277	259	265	324	314	320
14	401	365	383	---	---	---	293	277	284	325	322	323
15	381	364	371	---	---	---	298	290	293	334	323	326
16	394	369	380	---	---	---	303	295	299	352	334	347
17	393	383	389	---	---	---	313	297	303	357	349	353
18	392	369	379	---	---	---	317	303	310	358	351	355
19	410	383	394	---	---	---	308	296	303	358	352	356
20	529	381	431	---	---	---	311	296	304	360	355	358
21	484	409	444	---	---	---	321	296	307	360	351	356
22	489	294	391	---	---	---	317	293	302	359	353	356
23	294	229	255	---	---	---	304	295	300	358	349	354
24	266	232	254	---	---	---	316	302	307	352	339	347
25	281	264	272	---	---	---	316	307	311	368	352	362
26	300	281	293	267	261	263	315	253	281	367	173	266
27	311	300	307	267	260	264	282	262	274	256	223	236
28	307	284	289	282	267	274	312	282	293	285	254	272
29	---	---	---	287	251	280	336	312	325	313	285	300
30	---	---	---	269	258	265	341	328	335	322	292	315
31	---	---	---	285	268	275	---	---	---	315	223	274
MONTH	535	229	357	308	240	274	420	237	302	368	173	320

FIVEMILE RIVER BASIN

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 Rd.

DRAINAGE AREA.--1.00 mi².

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

GAGE.--Water-stage recorder. Telephone telemetry at station.

REMARKS.--Records fair, except those for periods of estimated record, which are poor. Flow regulated from New Canaan Reservoir by Second Taxing District Water Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft³/s, June 1, gage height, 2.87 ft; minimum discharge, 0.16 ft³/s, Feb. 18, 19, gage height, 1.40 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.28	0.28	1.8	10	e0.24	e1.3	2.9	1.8	24	0.89	0.32	0.60
2	0.29	0.30	1.7	26	e0.27	7.0	2.7	1.9	e8.0	0.82	0.57	1.4
3	0.30	0.30	1.6	9.5	0.39	9.5	2.2	2.1	3.5	0.84	0.37	0.73
4	0.30	0.31	1.5	7.2	0.91	3.4	2.0	1.5	11	0.83	0.99	0.71
5	0.31	0.39	e1.4	5.1	1.5	4.3	2.1	1.3	13	0.77	0.47	0.67
6	0.30	1.3	e1.4	4.4	e0.76	5.6	1.9	1.4	5.2	0.74	0.40	0.65
7	0.31	0.60	e1.4	3.8	e0.60	2.7	1.6	1.3	5.0	0.76	0.38	0.65
8	0.30	0.58	e1.4	3.5	e0.52	2.1	2.1	3.8	6.0	0.75	0.49	0.65
9	0.31	0.64	e1.3	3.5	e0.47	3.7	3.7	2.2	3.6	0.81	0.40	0.65
10	0.31	0.69	e1.3	3.7	e0.42	3.8	4.1	1.5	2.7	0.88	1.4	0.65
11	0.76	0.73	2.0	2.8	e0.38	1.9	3.9	1.3	2.2	0.86	0.95	0.65
12	2.2	1.4	3.4	e1.8	e0.34	2.3	12	1.4	2.9	0.81	0.44	0.65
13	0.45	1.6	2.1	e1.5	e0.31	3.1	6.4	1.3	14	0.78	0.51	0.70
14	0.32	0.45	4.9	e1.4	e0.28	2.2	3.5	1.0	7.9	0.80	0.75	1.8
15	0.33	0.34	2.2	e0.90	e0.25	2.1	2.7	0.78	4.3	0.78	0.71	1.1
16	0.99	0.44	1.7	e0.80	e0.22	5.3	2.4	0.80	2.7	0.81	0.72	1.4
17	0.77	4.1	1.5	e0.68	e0.20	8.9	1.8	0.77	2.2	0.81	1.2	0.71
18	0.40	2.2	1.3	e0.55	e0.18	8.2	1.6	0.73	5.3	0.78	0.99	0.66
19	0.35	0.78	1.4	e0.46	e0.17	5.3	1.5	0.69	3.9	0.78	0.76	1.5
20	0.31	0.63	5.8	e0.40	e0.20	4.4	1.4	0.69	2.7	0.77	0.74	0.91
21	0.30	1.1	10	e0.34	e0.35	23	1.3	0.78	e4.5	0.80	0.73	0.80
22	0.32	2.7	5.8	e0.31	3.6	13	1.9	0.83	e9.8	1.5	0.75	0.79
23	0.28	2.3	4.4	e0.29	21	6.6	1.7	0.82	e5.4	0.97	0.72	2.5
24	0.30	1.9	3.8	e0.27	11	4.6	1.3	0.89	2.2	0.46	0.66	1.1
25	0.29	1.9	5.9	e0.25	e3.0	3.7	1.1	0.80	1.7	0.40	0.65	0.91
26	0.99	1.8	7.9	e0.25	e2.0	3.3	5.8	11	1.3	0.38	0.65	0.90
27	0.30	2.2	5.3	e0.26	e1.6	3.9	5.5	8.9	1.1	0.35	0.65	0.91
28	0.24	1.9	4.3	e0.25	e1.4	2.6	2.7	3.8	0.94	0.34	0.65	2.9
29	0.27	1.7	3.8	e0.24	---	3.3	2.1	2.8	0.91	0.32	0.65	1.2
30	0.28	1.8	3.4	e0.24	---	6.7	1.8	1.8	0.95	0.27	0.55	1.00
31	0.27	---	4.1	e0.24	---	4.4	---	2.6	---	0.26	0.54	---
TOTAL	13.73	37.36	99.8	90.93	52.56	162.2	87.7	63.28	158.90	22.12	20.76	30.45
MEAN	0.44	1.25	3.22	2.93	1.88	5.23	2.92	2.04	5.30	0.71	0.67	1.01
MAX	2.2	4.1	10	26	21	23	12	11	24	1.5	1.4	2.9
MIN	0.24	0.28	1.3	0.24	0.17	1.3	1.1	0.69	0.91	0.26	0.32	0.60
CFSM	0.44	1.25	3.22	2.93	1.88	5.23	2.92	2.04	5.30	0.71	0.67	1.01
IN.	0.51	1.39	3.71	3.38	1.96	6.03	3.26	2.35	5.91	0.82	0.77	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

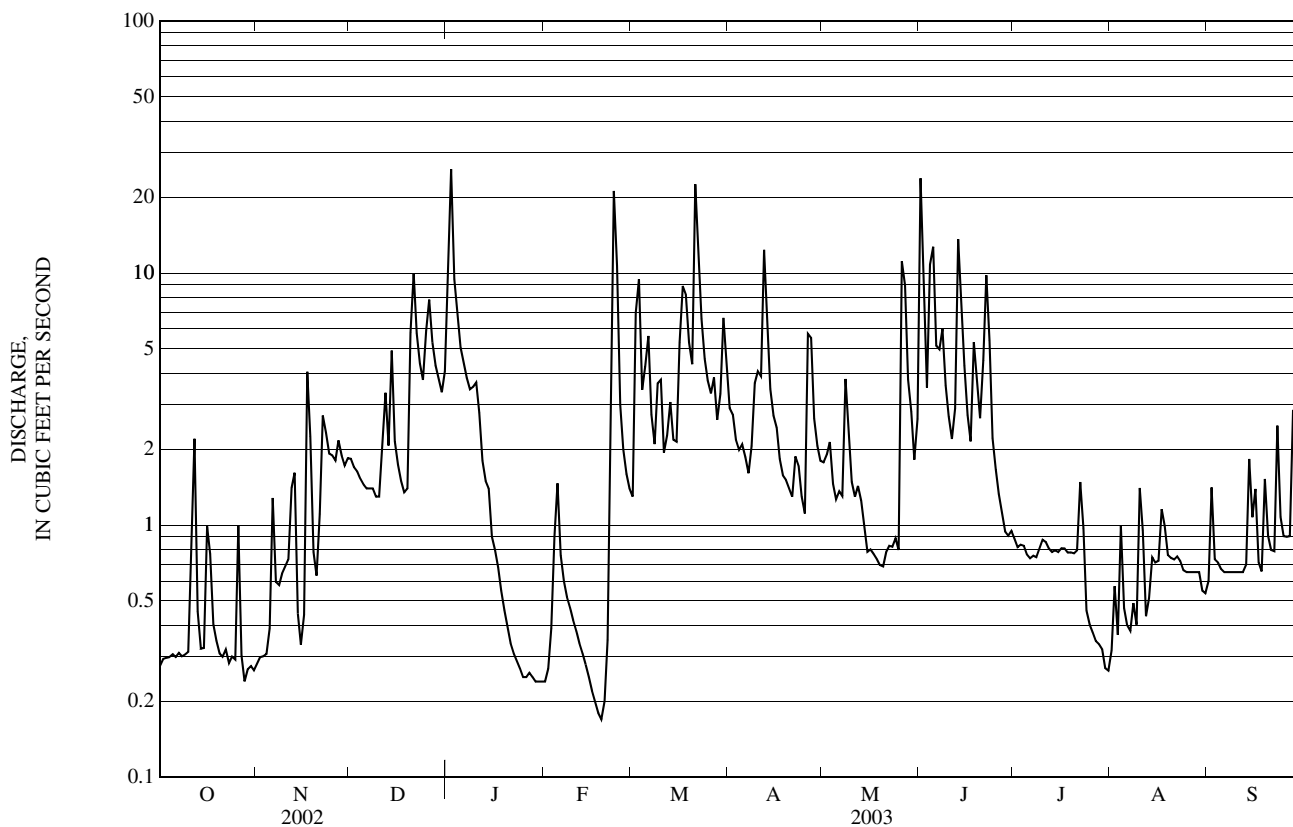
MEAN	0.57	0.84	1.28	1.43	1.92	3.98	2.89	2.44	2.23	0.53	0.43	0.45
MAX	1.62	1.90	3.22	2.93	2.81	7.36	5.93	3.42	5.30	0.77	1.06	1.02
(WY)	(2000)	(2000)	(2003)	(2003)	(2000)	(2001)	(2001)	(2002)	(2003)	(2001)	(2000)	(2003)
MIN	0.22	0.17	0.13	0.29	0.29	0.69	0.53	1.73	0.64	0.13	0.12	0.13
(WY)	(2002)	(2002)	(1999)	(2002)	(2002)	(2002)	(2002)	(2001)	(1999)	(2002)	(2002)	(2001)

e Estimated

01209761 FIVEMILE RIVER NEAR NEW CANAAN, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	401.92		839.79		1.61	
ANNUAL MEAN	1.10		2.30		0.74	
HIGHEST ANNUAL MEAN					2.30	2003
LOWEST ANNUAL MEAN					0.74	2002
HIGHEST DAILY MEAN	20	Jun 7	26	Jan 2	27	Mar 30, 2001
LOWEST DAILY MEAN	0.08	Aug 10	0.17	Feb 19	0.00	Dec 20, 1998
ANNUAL SEVEN-DAY MINIMUM	0.09	Aug 9	0.21	Feb 14	0.07	Sep 7, 2001
MAXIMUM PEAK FLOW			33	Jun 1	56	May 19, 1999
MAXIMUM PEAK STAGE			2.87	Jun 1	3.28	May 19, 1999
INSTANTANEOUS LOW FLOW			a 0.16	Feb 18	0.00	Nov 22, 1998
ANNUAL RUNOFF (CFSM)	1.10		2.30		1.61	
ANNUAL RUNOFF (INCHES)	14.95		31.24		21.87	
10 PERCENT EXCEEDS	2.7		5.3		3.8	
50 PERCENT EXCEEDS	0.32		1.2		0.72	
90 PERCENT EXCEEDS	0.12		0.30		0.14	

a Also occurred Feb. 19.



RIPPOWAM RIVER BASIN

01209901 RIPPOWAM RIVER NEAR STAMFORD, CT

LOCATION.--Lat 41°03'56", long 73°32'59", Fairfield County, Hydrologic Unit 01100005, on left bank 100 ft upstream from bridge on Bridge St., 2.7 mi downstream from Holts Ice Pond Brook, and 1.7 mi upstream from mouth.

DRAINAGE AREA.--34.0 mi².

PERIOD OF RECORD.--June 26, 1964 to March 24, 1966, low-flow partial record station; November 1975 to September 1976, at site 0.6 mi upstream. September 1977 to 1982, continuous-record site. October 2, 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 17.73 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good, except those for periods of estimated record, which are fair. Flow is continuous, but is completely controlled by storage in Mallard Lake, Trinity Lake Reservoir, Laurel Reservoir, Suscowit Reservoir, and by storage and diversion at North Stamford Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 456 ft³/s, June 1, gage height, 3.33 ft; minimum discharge, 2.8 ft³/s, Oct. 10, gage height, 1.14 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	8.9	20	102	e19	e34	84	46	338	23	11	12
2	4.5	8.3	19	256	e19	106	77	39	225	21	22	47
3	4.4	8.1	18	136	e22	99	70	41	137	20	15	26
4	6.0	8.4	16	108	33	62	64	35	229	19	55	23
5	5.6	8.4	17	78	35	87	65	32	273	18	34	18
6	4.4	25	17	67	26	99	60	32	175	16	25	13
7	3.9	15	16	59	27	78	58	32	145	16	19	11
8	3.5	12	16	55	25	68	64	61	157	16	29	10
9	3.3	11	16	55	24	78	81	44	121	15	21	8.9
10	3.1	11	15	55	e21	80	85	37	96	16	74	8.8
11	27	12	26	49	e20	64	85	34	80	14	42	8.0
12	83	26	53	e36	e19	63	161	34	89	13	25	7.4
13	32	40	39	e30	e18	70	135	31	257	12	18	9.1
14	19	25	97	e26	e17	66	99	29	186	10	16	21
15	13	19	65	e25	e17	61	84	28	135	9.8	14	26
16	24	19	55	e23	27	78	78	27	93	9.7	13	49
17	26	95	45	e21	95	115	66	25	74	10	25	24
18	19	85	35	e21	114	128	60	25	112	9.4	24	16
19	15	42	32	e20	25	112	57	24	100	9.2	18	29
20	12	32	82	e20	24	106	53	23	78	8.2	13	23
21	11	27	77	e20	25	307	50	24	85	8.2	12	17
22	9.5	39	50	e20	106	257	55	26	130	23	10	14
23	8.8	37	44	e20	231	172	55	27	97	29	10	56
24	8.1	28	39	e20	107	124	47	30	72	19	9.1	40
25	7.6	24	59	e21	e50	98	41	27	55	14	8.3	23
26	35	22	70	e21	e41	87	81	151	46	11	8.0	19
27	20	28	50	22	e38	89	95	101	36	9.5	7.6	17
28	15	24	44	24	e36	81	69	61	29	9.1	7.1	60
29	13	22	41	e21	---	80	58	71	26	7.9	6.7	44
30	11	21	39	e20	---	104	51	57	24	6.8	6.6	27
31	10	---	42	e20	---	100	---	62	---	6.1	6.6	---
TOTAL	462.9	783.1	1,254	1,471	1,261	3,153	2,188	1,316	3,700	428.9	605.0	707.2
MEAN	14.9	26.1	40.5	47.5	45.0	102	72.9	42.5	123	13.8	19.5	23.6
MAX	83	95	97	256	231	307	161	151	338	29	74	60
MIN	3.1	8.1	15	20	17	34	41	23	24	6.1	6.6	7.4
CFSM	0.44	0.77	1.19	1.40	1.32	2.99	2.15	1.25	3.63	0.41	0.57	0.69
IN.	0.51	0.86	1.37	1.61	1.38	3.45	2.39	1.44	4.05	0.47	0.66	0.77

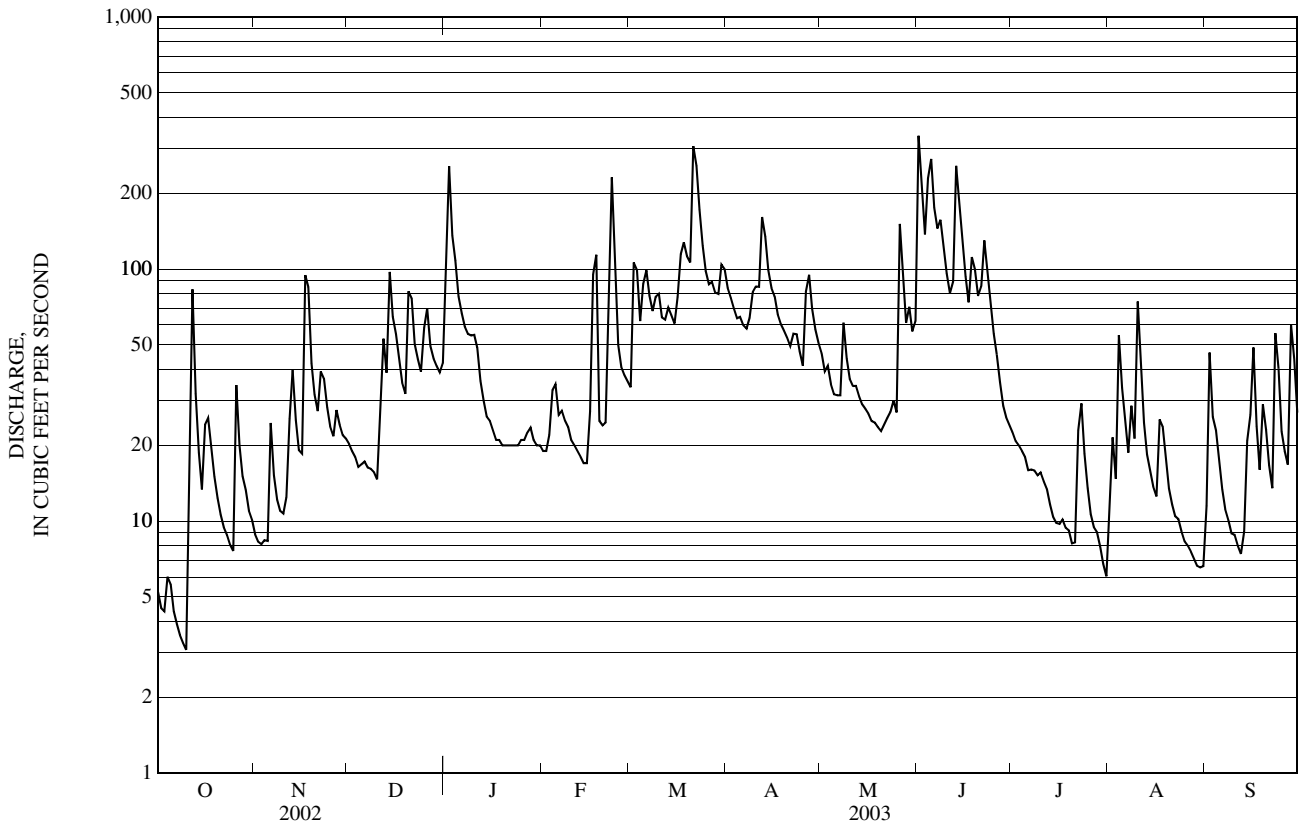
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	14.3	23.7	34.5	65.4	43.2	86.1	80.1	62.4	49.0	11.9	11.1	10.8
MAX	30.9	66.0	93.5	175	76.1	169	225	193	123	17.2	26.3	23.6
(WY)	(1978)	(1978)	(1978)	(1979)	(1982)	(1980)	(1980)	(1978)	(2003)	(1981)	(1978)	(2003)
MIN	4.36	4.19	6.42	5.52	6.89	18.3	18.8	19.3	9.74	5.69	1.41	3.45
(WY)	(2002)	(2002)	(2002)	(1981)	(2002)	(2002)	(2002)	(1981)	(1981)	(2002)	(1981)	(1980)

e Estimated

01209901 RIPPOWAM RIVER NEAR STAMFORD, CT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	6,903.89		17,330.1		41.0	
ANNUAL MEAN	18.9		47.5		13.3	
HIGHEST ANNUAL MEAN					69.4	1978
LOWEST ANNUAL MEAN					13.3	2002
HIGHEST DAILY MEAN	288	Jun 7	338	Jun 1	1,590	Apr 10, 1980
LOWEST DAILY MEAN	0.24	Aug 14	3.1	Oct 10	0.24	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.42	Aug 9	4.3	Oct 4	0.42	Aug 9, 2002
MAXIMUM PEAK FLOW			456	Jun 1		
MAXIMUM PEAK STAGE			3.33	Jun 1		
INSTANTANEOUS LOW FLOW			2.8	Oct 10	0.18	Aug 28, 2002
ANNUAL RUNOFF (CFSM)	0.56		1.40		1.21	
ANNUAL RUNOFF (INCHES)	7.55		18.96		16.39	
10 PERCENT EXCEEDS	41		100		94	
50 PERCENT EXCEEDS	12		27		18	
90 PERCENT EXCEEDS	3.1		9.1		3.9	



DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003						
STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI ²)	PREVIOUS MEASURE-MENTS (WATER YEARS)	DATE	DISCHARGE (FT ³ /S)
PAWCATUCK RIVER BASIN						
01118255 Green Fall River	Ashaway River	Lat 41° 28' 20", long 71° 49' 00", New London County, at bridge on Putker Road, 0.1 mi west of Laurel Glen	7.42	1963-67 2002	10/04/02	1.27
					12/04/02	10.3
					01/15/03	13.4
					03/19/03	23.4
					05/16/03	10.6
					07/16/03	4.68
					08/25/03	2.98
09/10/03	2.97					
01118340 Wyassup Brook	Green Fall River	Lat 41° 27' 17", long 71° 49' 36", New London County, at bridge on State Road 216, 0.5 mi west of Clarks Falls	11.5	2002	10/04/02	2.25
					11/05/02	3.37
					12/03/02	19.5
					01/15/03	22.6
					03/19/03	49.8
					05/16/03	19.7
					06/25/03	34.5
07/16/03	9.45					
08/25/03	6.07					
09/10/03	6.59					
01118352 Glade Brook	Green Fall River	Lat 41° 28' 05", long 71° 48' 31", New London County, at culvert on Pine Woods Road, 0.4 mi southeast of Laurel Glen	1.92	1965-67 2002	10/04/02	.22
					11/05/02	.39
					12/04/02	2.49
					01/15/03	3.30
					03/19/03	6.53
					05/16/03	3.16
					06/25/03	4.17
07/16/03	1.09					
08/25/03	.50					
09/09/03	.95					
01118365 Lewis Pond outlet	Pawcatuck River	Lat 41° 25' 13", long 71° 49' 20", New London County, at bridge on Boom Bridge Road, 1.3 mi northwest of Potter Hill	1.59	1966-67 2002	10/04/02	.54
					11/05/02	.92
					12/04/02	1.36
					01/15/03	3.35
					03/19/03	4.77
					05/16/03	3.70
					06/25/03	4.43
07/16/03	2.02					
08/25/03	1.27					
09/10/03	1.37					
01118373 Shunock River	Pawcatuck River	Lat 41° 26' 27", long 71° 52' 58", New London County, at bridge on Main Street 0.1 mi west of North Stonington	7.79	1965 2002	10/04/02	1.42
					11/05/02	1.82
					12/04/02	9.22
					01/15/03	16.6
					03/19/03	29.8
					05/16/03	11.6
					06/25/03	21.7
07/16/03	7.57					
08/25/03	5.32					
09/10/03	5.83					
01118375 Assekonk Brook	Shunock River	Lat 41° 26' 19", long 71° 54' 39", New London County, at bridge on Jeremy Hill Road, 1.5 mi west of North Stonington	1.63	1963-65 2002	10/04/02	.11
					11/05/02	.32
					12/04/02	1.73
					01/15/03	2.44
					03/19/03	4.83
					05/16/03	1.90
					07/16/03	.69
08/25/03	.76					
09/10/03	.72					

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	DISCHARGE (FT ³ /S)
PAWCATUCK RIVER BASIN CONTINUED						
01118380 Assekong Brook	Shunock River	Lat 41° 26' 19", long 71° 53' 05", New London County, at bridge on State Route 2, 0.2 mi southwest of North Stonington	4.54	1963-65 2002	10/04/02	.27
					11/05/02	.69
					12/04/02	4.55
					01/15/03	5.53
					03/19/03	19.1
					05/16/03	4.05
					06/25/03	9.01
					07/16/03	1.95
					08/25/03	1.61
09/10/03	1.43					
01118400 Shunock River	Pawcatuck River	Lat 41° 24' 36", long 71° 50' 43", New London County, at bridge on State Route 49, 2.9 mi southeast of North Stonington	17.2	1961-73 2002	10/17/02	7.08
					10/28/02	15.4
					11/18/02	79.9
					12/19/02	42.0
					02/03/03	22.6
					02/24/03	158
					03/31/03	182
					05/13/03	35.4
					05/27/03	146
					05/28/03	104
07/18/03	13.9					
09/10/03	10.7					
MYSTIC RIVER BASIN						
01118668 Whitford Brook	Mystic River	Lat 41° 24' 30", long 71° 57' 49", New Lon- don County, on right bank approximately 400 ft downstream from road intersection of Gallop Hill Road and Shewville Road, 1 mi north of Old Mystic near Old Mystic	12.0	1999-02 ^b	01/06/03	64.8
					03/18/03	55.3
					06/03/03	37.5
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 2001	03/10/03	246
01119384 Willimantic River	Shetucket River	Lat 41° 48' 56", long 72° 19' 01", Tolland County, at UConn well field pumping sta- tion near Mansfield Depot.	98.0	1991-02	11/19/02	201
					01/09/03	237
					04/10/03	311
					05/07/03	144
					07/08/03	54.8
09/11/03	15.2					
01120610 Still River	Natchaug River	Lat 41° 52' 16", long 72° 05' 17", Windham County, at bridge on Pilshire Road, 0.5 mi upstream from Bigelow Brook near Eastford.	32.4		04/16/03	86.1
01120695 Bigelow Brook	Natchaug River	Lat 41° 54' 16", long 72° 07' 08", Windham County, 0.75 mi downstream from Sibley Brook and 1.0 mi upstream from Walker Brook at bridge at Floeting Road near Eastford.	19.8		04/16/03	72.6
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 1998-99 ^b 2000-02 ^a	11/21/02	108
					03/10/03	187
					07/21/03	31.5
					08/14/03	64.7
					09/09/03	23.3

^a Used as discharge for water quality.^b Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003						
STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI ²)	PREVIOUS MEASUREMENTS (WATER YEARS)	DATE	DISCHARGE (FT ³ /S)
THAMES RIVER BASIN CONTINUED						
01120850 Natchaug River	Shetucket Rvier	Lat 41° 45' 10", long 72° 09' 19", Tolland County, at bridge on Bedlem Road near Windham	83.9		04/16/03	235
01121330 Fenton River	Mount Hope River	Lat 41° 50' 00", long 72° 14' 36", Tolland County, at bridge on Old Turnpike Road near Gurleyville	18.3	1963	04/16/03	47.8
01124120 Quinebaug River	Shetucket River	Lat 41° 58' 58", long 71° 55' 17", Windham County, at bridge on Red Bridge Road near North Grosvenordale	168		06/20/03 07/31/03 08/07/03 08/14/03 08/21/03 08/28/03	444 74.1 247 192 93.0 39.1
01124151 Quinebaug River	Shetucket River	Lat 41° 56' 29", long 71° 53' 58", Windham County, on left bank, 350 ft downstream from concrete V-notch weir below flood-control dam at West Thompson.	172	1966-89 ^b 1990-02	05/14/03	244
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	1998-02	10/29/02 01/07/03 03/18/03 06/03/03 07/14/03 09/30/03	4.74 45.0 47.0 29.1 4.17 5.81
CONNECTICUT RIVER BASIN						
01184444 Broad Brook	Scantic River	Lat 41° 55' 08", long 72° 27' 57", Tolland County, at Meadow Brook Road, near Ellington.	2.57	2002	08/20/03	1.38
01184445 Kimballs Brook	Broad Brook	Lat 41° 54' 52", long 72° 27' 13", Tolland County, on State Route 83, near Ellington.	1.23	2002	08/20/03	0.455
01184448 Kibbes Brook	Broad Brook	Lat 41° 55' 44", long 72° 27' 59", Tolland County, behind Ellington High School, at Ellington.	0.40	2002	08/20/03	0.148
01184457 Muddy Brook	Broad Brook	Lat 41° 55' 00", long 72° 28' 53", Tolland County, at Meadow Brook Road, near Ellington.	1.34	2002	08/20/03	0.110
01184460 Broad Brook	Scantic River	Lat 41° 54' 56", long 72° 29' 05", Tolland County, at Hatheway Road, at Ellington.	7.73	2002	08/20/03	4.68
01184465 Broad Brook	Scantic Rvier	Lat 41° 55' 16", long 72° 30' 17", Tolland County, at Broad Brook Road, near Broad Brook.	9.25	2002	08/21/03	6.45
01184468 Creamery Brook	Broad Brook	Lat 41° 55' 33", long 72° 30' 30", Tolland County, on State Route 140, near Broad Brook.	1.11	2002	08/20/03	0.806
01184470 Broad Brook	Scantic River	Lat 41° 55' 53", long 72° 31' 17", Hartford County, on East Street, at Melrose.	11.7	1992 2002	08/21/03	9.92
01184475 Unnamed Tributary	Broad Brook	Lat 41° 55' 23", long 72° 32' 01", Hartford County, at railroad tressel, 0.5 mi north of Depot Road, at Broad Brook.	0.91	2002	08/21/03	0.572
01184488 Chestnut Brook	Broad Brook	Lat 41° 54' 52", long 72° 32' 52", Hartford County, on State Route 191, at Broad Brook.	1.87	2002	08/21/03	1.68

^a Used as discharge for water quality.

^b Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	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	1993-02 ^a	10/03/02	24.4
					12/04/02	56.3
					02/03/03	65.1
					04/02/03	180
					06/06/03	620
					07/01/03	90.9
08/25/03	41.6					
09/23/03	70.8					
01192704 Mattabeset 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 1999-02 ^a	02/06/03	59.0
					03/20/03	270
					07/14/03	33.2
					08/06/03	193
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	1989-02	04/24/03	4.78
					06/03/03	6.60
					08/22/03	2.77
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	1989-02	04/24/03	5.39
					06/03/03	7.43
					08/22/03	3.00
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	1974-02 ^a	10/29/02	77.2
					12/10/02	87.7
					02/10/03	99.2
					04/10/03	234
					06/04/03	303
					07/07/03	101
					08/18/03	94.8
09/16/03	293					
MILL RIVER BASIN						
01196590 Mill River	Long Island Sound	Lat 41° 27' 13", long 72° 54' 02", New Haven County, 200 ft upstream from Old Lane Road, 3.0 mi south of Cheshire.	5.90	1978-02	07/15/03	1.68
					09/08/03	1.99
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 1978-02	07/15/03	14.1
					09/08/03	9.44
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 State Route 7 bridge.	465	1991-02 ^a	03/19/03	2190
					04/16/03	1430
					07/10/03	277
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	1993-02 ^a	01/09/03	2560
					04/16/03	2720
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 1985-02 ^a	04/14/03	358
					09/17/03	241

^a Used as discharge for water quality.^b Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003						
STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN-AGE AREA (MI ²)	PREVIOUS MEASUREMENTS (WATER YEARS)	DATE	DISCHARGE (FT ³ /S)
HOUSATONIC RIVER--CONTINUED						
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 1990-02	11/13/02	3.29
					01/13/03	15.0
					04/15/03	25.9
					05/09/03	24.8
					07/14/03	2.52
09/08/03	9.48					
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	1980-02 ^a	03/05/03	301
					07/15/03	65.9
					09/11/03	87.4
01208171 Naugatuck River	Housatonic River	Lat 41° 33' 26", long 73° 03' 17", New Haven County, at West Main Street, at Waterbury.	174	1983-02	09/08/03	195
					09/08/03	212
01208370 Naugatuck River	Housatonic River	Lat 41° 30' 06", long 73° 02' 55", New Haven County, at footbridge, below Fulling Mill Brook, at Union City.	215	2002 ^a	11/07/02	253
					01/08/03	676
					05/13/03	424
					06/18/03	769
					07/16/03	135
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 1990-02	01/28/03	11.0
					04/01/03	165
					04/01/03	435
					04/01/03	456
					06/12/03	43.7
08/13/03	17.3					
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	1974-02 ^a	11/06/02	247
					01/07/03	897
					03/05/03	752
					05/12/03	605
					06/16/03	860
					07/15/03	255
					08/12/03	614
09/11/03	251					
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 1999-02	04/15/03	10.5
					06/04/03	19.0
					08/20/03	1.59
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	1981-02 ^a	12/03/03	38.8
					03/18/03	202
					09/05/03	31.4
					09/30/03	60.0

^a Used as discharge for water quality.

^b Operated as a continuous-record gaging station.

THAMES RIVER BASIN

01124120 QUINEBAUG RIVER AT RED BRIDGE ROAD, NEAR NORTH GROSVENORDALE, CT

LOCATION.--Lat 41° 58' 58", long 71° 55' 17", Windham County, Hydrologic Unit 01100001, at Red Bridge Rd. 0.5 mi west of North Grosvenordale.

DRAINAGE AREA.--168 mi².

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)
JUN													
20...	1100	444	8.9	96	6.5	184	19.0	38.6	0.28	0.39	<0.04	0.24	<0.02
25...	0915	1,250	8.4	95	6.8	153	21.0	31.6	0.29	0.42	E.03	0.13	<0.02
JUL													
02...	0915	258	8.4	95	6.2	215	21.5	46.0	0.32	0.45	<0.04	0.33	<0.02
10...	1030	120	8.7	99	6.6	228	22.0	46.8	0.34	0.37	<0.04	0.45	<0.02
17...	1030	800	9.2	105	6.4	219	22.0	45.0	0.30	0.38	<0.04	0.45	<0.02
24...	1015	175	8.1	93	6.2	196	22.5	38.4	E.34	E.39	<0.04	E.43	<0.02
31...	0815	74	6.9	78	7.3	233	21.0	50.5	0.31	0.37	<0.04	0.34	<0.02
AUG													
07...	1125	247	8.3	100	6.3	223	25.0	48.6	0.30	0.45	<0.04	0.24	<0.02
14...	1045	192	8.2	101	6.2	206	25.5	41.2	0.34	0.42	<0.04	0.26	E.01n
21...	0815	93	8.3	95	7.1	237	22.0	44.8	0.30	0.40	<0.04	0.42	<0.18d
28...	1115	39	10.1	114	7.5	264	21.5	55.2	0.32	0.30	<0.04	0.41	<0.02
SEP													
05...	1000	91	10.9	118	7.4	231	19.0	47.7	0.28	0.33	<0.41d	0.44	<0.18d
11...	1015	52	10.4	110	7.3	269	17.5	57.5	0.28	0.30	<0.04	0.39	<0.02
18...	1000	53	10.0	125	7.8	247	18.5	49.2	0.21	0.33	<0.04	0.56	<0.02
24...	0945	535	9.1	97	7.3	191	18.0	39.0	0.31	0.48	<0.04	0.25	<0.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)
JUN					
20...	0.014	0.048	0.63	3.4	1.3
25...	0.016	0.048	0.55	3.9	2.3
JUL					
02...	0.015	0.056	0.78	E3.4	E1.8
10...	0.019	0.057	0.83	4.2	2.8
17...	0.013	0.051	0.83	3.3	2.7
24...	E.023	E.054	--	3.7	2.4
31...	0.016	0.041	0.71	2.2	2.7
AUG					
07...	0.021	0.058	0.68	3.8	2.0
14...	0.027	0.051	0.68	1.7	1.2
21...	0.022	0.046	0.82	1.9	2.0
28...	0.020	0.032	0.71	1.6	1.2
SEP					
05...	0.015	0.034	0.77	1.6	1.0
11...	0.011	0.024	0.69	0.8	0.7
18...	0.011	0.025	0.88	0.9	0.7
24...	0.017	0.068	0.73	4.3	3.8

Value qualifier codes used in this table:

d -- Diluted sample; method hi range exceeded

n -- Below the NDV

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

THAMES RIVER BASIN

WEST THOMPSON LAKE

LOCATION.--WT-1: Lat 41° 57'01", long 071° 54'08". WT-2: lat 41° 57'30", long 071° 54'23". WT-3: lat 41° 56'52", long 071° 54'08"

Local identifier	Date	Time	Sam- pling depth, feet (00003)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of satu- ration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)	Ammonia + org-N, water, fltrd, mg/Las N (00623)	Ammonia + org-N, water, unfltrd mg/Las N (00625)
WT-3											
West Thompson Lake, Top	06-25-03	1025	2.00	8.4	95	5.9	162	21.8	32.1	0.28	0.44
	07-31-03	1030	2.00	14.6	181	9.2	239	26.0	46.4	0.33	0.85
	08-21-03	0920	2.00	12.1	151	8.8	218	26.5	41.5	0.30	0.70
	09-29-03	1020	2.00	9.1	99	6.3	190	19.5	37.7	0.30	0.49
WT-3	06-25-03	1030	12.0	7.8	80	6.0	144	16.1	39.7	1.0	1.1
West Thompson Lake, Middle	07-31-03	1035	8.00	11.0	130	8.9	216	24.5	46.1	0.31	0.84
	08-21-03	0940	8.00	6.2	74	7.2	211	24.2	42.7	0.27	0.63
	09-29-03	1035	12.0	7.5	81	6.2	194	18.5	38.6	0.31	0.47
WT-3	06-25-03	1035	22.0	0.2	2	6.0	211	10.4	26.4	0.36	0.44
West Thompson Lake, Bottom	07-31-03	1040	20.0	0.1	1	6.6	231	11.3	40.4	1.6	1.7
	08-21-03	1000	20.0	0.2	2	6.3	252	11.8	38.2	2.3	2.5
	09-29-03	1045	24.0	0.3	3	6.7	317	11.5	39.4	3.3	3.8
WT-1	06-25-03	1230	2.00	8.8	100	6.1	161	21.3	32.8	0.29	0.42
West Thompson Lake, Top	07-31-03	1130	2.00	14.1	178	9.2	240	27.2	46.7	0.34	0.89
	08-21-03	1030	2.00	13.1	162	9.3	219	26.2	41.5	0.27	0.69
	09-29-03	1150	2.00	8.8	97	6.4	178	20.0	35.5	0.31	0.47
WT-1	06-25-03	1240	12.0	7.0	70	6.4	152	15.6	29.9	0.38	0.50
West Thompson Lake, Middle	07-31-03	1135	6.00	8.6	104	8.2	222	25.1	45.4	0.30	0.97
	08-21-03	1040	8.00	0.4	4	6.9	215	22.9	42.2	0.44	0.65
	09-29-03	1205	12.0	4.7	50	6.0	194	18.5	39.3	0.45	0.61
	07-31-03	1145	10.0	0.3	3	6.8	204	20.5	39.7	0.79	0.92
WT-1											
West Thompson Lake, Bottom	08-21-03	1045	12.0	0.2	2	6.9	298	17.3	34.1	2.8	3.1
	09-29-03	1215	14.0	1.0	11	6.0	417	18.5	39.3	0.64	0.82
WT-2	06-25-03	1145	2.00	7.9	90	6.2	156	21.5	31.6	0.29	0.44
West Thompson Lake, Upper	07-31-03	1240	2.00	13.4	171	9.1	237	27.8	47.1	0.31	0.78
	08-21-03	1200	2.00	11.9	146	8.9	217	25.5	43.0	0.27	0.80
	09-29-03	1245	2.00	8.1	87	6.3	164	19.0	32.5	0.31	0.42
Local identifier	Date	Time	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phosphate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plankton, fluoro, ug/L (70953)	
WT-3	06-25-03		<0.04	0.14	<0.02	0.018	0.046	0.57	3.0	7.7	
West Thompson Lake, Top	07-31-03		<0.04	<0.06	<0.02	0.018	0.064	--	2.5	24.6	
	08-21-03		<0.04	<0.06	E.01n	0.013	0.056	--	4.8	17.9	
	09-29-03		<0.04	0.12	<0.02	0.013	0.037	0.62	1.8	10.4	
WT-3	06-25-03		0.79	E.04	<0.02	0.008	0.030	--	--	--	
West Thompson Lake, Middle	07-31-03		<0.04	<0.06	<0.02	0.016	0.066	--	--	--	
	08-21-03		<0.04	<0.06	E.01n	0.015	0.052	--	--	--	
	09-29-03		<0.04	0.07	<0.02	0.009	0.038	0.54	--	--	
WT-3	06-25-03		0.04	0.15	<0.02	0.020	0.042	0.60	--	--	
West Thompson Lake, Bottom	07-31-03		1.28	<0.06	E.01	0.021	0.041	--	--	--	
	08-21-03		1.76d	<0.06	<0.18d	0.039	0.075	--	--	--	
	09-29-03		3.15d	<0.06	0.03	0.036	0.073	--	--	--	
WT-1	06-25-03		<0.04	0.14	<0.02	0.020	0.047	0.56	2.6	10.2	
West Thompson Lake, Top	07-31-03		<0.04	<0.06	<0.02	0.019	0.062	--	6.7	26.5	
	08-21-03		<0.04	<0.06	<0.18d	0.013	0.053	--	4.0	17.2	
	09-29-03		<0.04	0.15	<0.02	0.011	0.040	0.62	2.5	6.9	
WT-1	06-25-03		0.10	0.15	<0.02	0.020	0.047	0.66	--	--	
West Thompson Lake, Middle	07-31-03		<0.04	<0.06	<0.02	0.016	0.074	--	--	--	
	08-21-03		0.19	0.13	<0.18d	0.010	0.068	0.78	--	--	
	09-29-03		0.16	0.12	<0.02	0.014	0.052	0.73	--	--	
WT-1	07-31-03		0.46	0.10	<0.02	0.020	0.070	1.0	--	--	
West Thompson Lake, Bottom	08-21-03		2.28d	<0.06	E.13nd	0.106	0.189	--	--	--	
	09-29-03		0.31	0.12	<0.02	0.016	0.066	0.95	--	--	
WT-2	06-25-03		E.03	0.13	<0.02	0.022	0.051	0.57	4.3	2.3	
West Thompson Lake, Upper	07-31-03		<0.04	<0.06	<0.02	0.018	0.061	--	6.7	26.5	
	08-21-03		<0.04	<0.06	<0.18d	0.015	0.052	--	3.6	19.4	
	09-29-03		<0.04	0.21	<0.02	0.012	0.040	0.63	1.8	3.2	

Value qualifier codes used in this table: d-- Diluted sample: method hi range exceeded; n-- Below the NDV

GROUND-WATER QUALITY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
HARTFORD COUNTY										
CT- BS 277	413925072544401	08-21-03	1000	32.00	18.50	245	77	759	0.1	40
CT- BU 145	414332072555401	08-15-03	1100	20.00	8.40	350	1.2	758	5.9	90
CT- EW 141	415446072364501	08-04-03	1400	11.40	8.00	68	92	763	0.5	6
CT- GR 345	415535072475701	08-20-03	1000	51.70	40.00	280	10	759	0.3	31
CT- M 192	414826072290901	07-01-03	1200	11.00	5.10	340	1.0	753	9.4	85
CT- M 193	414555072333601	08-08-03	1210	14.30	7.45	125	0.2	758	1.2	88
CT- M 194	414815072335701	08-21-03	1400	46.00	26.35	140	1.3	761	0.3	37
CT- M 195	414535072324701	07-02-03	1000	25.10	16.35	165	6.7	761	4.7	44
CT- N 203	413924072441601	07-16-03	1000	33.20	22.16	100	8.5	760	3.3	31
CT- N 204	414058072425901	07-16-03	1400	15.00	5.61	105	210	760	4.4	45
CT- SI 478	415453072482901	09-16-03	1100	18.00	17.30	288	80	758	2.5	100
CT- S 405	413739072511101	09-04-03	1100	23.50	14.15	200	11	753	0.8	71
CT- SW 136	4148250723350901	07-03-03	1000	14.95	7.75	190	4.4	760	7.8	77
CT- SW 138	415148072325601	08-14-03	1400	21.00	8.80	170	30	764	0.9	38
CT- SW 139	415101072314901	08-14-03	1000	18.60	6.50	270	8.8	764	M	3
CT- WH 143	414649072434401	07-15-03	1200	22.00	6.00	108	170	765	2.1	22
CT- W 217	414917072403501	07-14-03	1200	11.00	5.00	95	14	767	9.4	93
CT- W 218	415336072414801	08-20-03	1400	55.00	33.95	155	5.6	764	0.5	46
LITCHFIELD COUNTY										
CT- BA 104	415545073000601	08-28-03	0900	12.98	4.44	490	18	757	1.0	16
MIDDLESEX COUNTY										
CT- P 117	413427072355501	09-05-03	1500	28.93	14.80	90	20	760	7.7	100
NEW HAVEN COUNTY										
CT- CS 244	413150072551901	07-23-03	1200	70.00	60.95	230	63	757	2.1	84
TOLLAND COUNTY										
CT- SO 110	415856072263101	09-26-03	1200	17.10	4.85	255	40	757	6.3	81
CT- SO 362	420027072262001	08-22-03	1100	32.40	26.15	260	180	753	M	37
CT- V 98	415032072293801	07-03-03	1400	10.24	3.50	198	30	760	10.3	103

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
HARTFORD COUNTY											
CT- BS 277	08-21-03	7.3	427	27.0	18.5	210	17	73.2	5.98	2.07	10.3
CT- BU 145	08-15-03	6.1	111	31.0	11.5	33	20	9.52	2.34	0.64	8.36
CT- EW 141	08-04-03	6.6	618	29.0	17.5	210	--	66.2	10.7	12.2	28.2
CT- GR 345	08-20-03	6.6	370	31.0	16.0	150	50	53.9	2.56	1.15	14.8
CT- M 192	07-01-03	6.0	53	32.0	11.5	22	9	6.36	1.38	0.16	1.41
CT- M 193	08-08-03	5.8	311	26.0	12.5	14	--	4.61	0.538	0.70	54.9
CT- M 194	08-21-03	5.9	335	31.0	18.0	33	18	9.11	2.44	1.90	46.1
CT- M 195	07-02-03	6.3	386	31.0	12.5	100	56	32.1	5.44	10.2	30.8
CT- N 203	07-16-03	7.4	293	23.0	13.5	220	35	61.4	16.6	0.80	13.6
CT- N 204	07-16-03	7.0	575	23.0	14.0	320	130	91.4	23.1	1.00	60.6
CT- SI 478	09-16-03	7.6	222	28.0	26.0	97	30	37.2	0.843	2.08	4.90
CT- S 405	09-04-03	6.5	322	20.0	19.5	130	5	43.0	6.24	1.17	12.4
CT- SW 136	07-03-03	5.7	684	32.0	14.5	98	87	28.0	6.76	3.75	89.0
CT- SW 138	08-14-03	6.3	244	30.0	14.0	46	4	14.1	2.48	0.90	34.6
CT- SW 139	08-14-03	6.3	294	30.0	13.5	37	--	11.4	2.13	1.78	43.8
CT- WH 143	07-15-03	7.6	567	31.0	18.5	270	45	54.4	32.2	1.57	14.9
CT- W 217	07-14-03	6.3	83	29.0	13.5	39	18	9.03	3.97	2.15	1.48
CT- W 218	08-20-03	8.0	322	31.0	16.5	160	30	41.4	12.9	2.80	7.36
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	5.8	109	20.0	13.0	29	11	7.81	2.33	1.44	7.40
MIDDLESEX COUNTY											
CT- P 117	09-05-03	5.9	62	22.0	18.0	18	8	4.74	1.44	0.44	4.22
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	6.4	244	27.0	14.5	110	37	30.3	8.08	0.68	8.25
TOLLAND COUNTY											
CT- SO 110	09-26-03	6.4	74	20.0	12.5	26	11	7.56	1.76	0.72	4.09
CT- SO 362	08-22-03	5.9	557	30.0	17.0	130	96	34.5	10.6	16.7	39.6
CT- V 98	07-03-03	6.3	137	32.0	15.5	49	28	14.7	2.94	0.60	6.01

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfide water, fltrd, field, mg/L (99118)	Residue on evap. at 180degC wat flt mg/L (70300)
HARTFORD COUNTY											
CT- BS 277	08-21-03	190	232	0.0	0.04	10.3	<0.2	14.5	11.8	0.000	213
CT- BU 145	08-15-03	14	17	0.0	0.02	13.4	<0.2	15.3	8.4	0.000	91
CT- EW 141	08-04-03	304	371	0.0	<0.02	24.1	<0.2	7.51	2.7	0.000	375
CT- GR 345	08-20-03	96	117	0.0	0.03	28.8	<0.2	13.2	13.4	0.250	237
CT- M 192	07-01-03	13	15	0.0	0.02	1.06	<0.2	8.10	6.8	0.000	40
CT- M 193	08-08-03	22	27	0.0	0.02	68.9	<0.2	6.24	11.1	0.000	161
CT- M 194	08-21-03	15	18	0.0	0.02	79.3	<0.2	9.35	7.8	0.000	183
CT- M 195	07-02-03	47	57	0.0	0.02	62.0	<0.2	13.1	23.3	0.010	254
CT- N 203	07-16-03	188	229	0.0	0.04	20.5	<0.2	19.2	15.0	0.000	267
CT- N 204	07-16-03	193	236	0.0	0.07	149	<0.2	22.0	19.6	0.200	514
CT- SI 478	09-16-03	67	81	0.0	0.02	17.2	<0.2	11.0	6.5	0.070	137
CT- S 405	09-04-03	128	156	0.0	0.03	9.39	<0.2	21.1	14.7	0.012	205
CT- SW 136	07-03-03	12	14	0.0	0.06	181	<0.2	13.3	16.5	0.025	449
CT- SW 138	08-14-03	42	51	0.0	0.02	36.5	<0.2	10.6	23.5	0.050	164
CT- SW 139	08-14-03	41	50	0.0	<0.02	61.3	<0.2	8.62	7.3	0.000	176
CT- WH 143	07-15-03	225	275	0.0	0.07	19.4	<0.2	19.8	54.4	0.200	354
CT- W 217	07-14-03	21	25	0.0	<0.02	2.78	<0.2	7.69	7.4	0.013	63
CT- W 218	08-20-03	126	154	0.0	0.04	15.6	<0.2	16.0	13.5	0.000	206
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	18	22	0.0	<0.02	15.5	<0.2	8.80	5.6	0.000	65
MIDDLESEX COUNTY											
CT- P 117	09-05-03	10	12	0.0	0.02	4.81	<0.2	13.5	11.1	0.050	44
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	72	88	0.0	0.03	16.2	<0.2	14.8	12.3	0.020	152
TOLLAND COUNTY											
CT- SO 110	09-26-03	16	19	0.0	<0.02	4.82	<0.2	16.0	9.7	0.100	61
CT- SO 362	08-22-03	34	41	0.0	0.04	124	<0.2	17.1	6.4	0.000	331
CT- V 98	07-03-03	20	25	0.0	0.02	4.61	<0.2	16.5	19.1	0.020	111

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
HARTFORD COUNTY											
CT- BS 277	08-21-03	E.05	<0.04	1.37	0.028	E.02	0.8	3	<0.30	<0.3	336
CT- BU 145	08-15-03	<0.10	<0.04	1.98	<0.008	E.01	0.5	<2	<0.30	<0.3	39
CT- EW 141	08-04-03	5.8	4.82	<0.06	<0.008	E.02	13.8	4	<0.30	1.5	355
CT- GR 345	08-20-03	<0.10	E.02	6.75	<0.008	E.02	1.1	<2	<0.30	<0.3	227
CT- M 192	07-01-03	E.08	<0.04	0.85	<0.008	E.01	0.7	3	<0.30	<0.3	3
CT- M 193	08-08-03	<0.10	<0.04	0.89	<0.008	E.01	0.8	7	<0.30	E.1	44
CT- M 194	08-21-03	<0.10	E.02	0.76	<0.008	0.02	0.5	<2	<0.30	<0.3	58
CT- M 195	07-02-03	0.17	<0.04	7.89	<0.008	0.03	1.1	<2	<0.30	E.2	113
CT- N 203	07-16-03	E.06	<0.04	2.10	<0.008	E.02	1.0	E1	<0.30	0.7	351
CT- N 204	07-16-03	0.11	<0.04	2.34	<0.008	0.02	0.8	M	<0.30	0.4	382
CT- SI 478	09-16-03	E.07	<0.04	0.86	<0.008	0.04	1.0	7	<0.30	E.2	100
CT- S 405	09-04-03	E.07	E.02	2.77	<0.008	0.03	0.8	<3	<0.30	E.2	143
CT- SW 136	07-03-03	<0.10	E.03	3.72	<0.008	E.01	0.6	5	<0.30	<0.3	328
CT- SW 138	08-14-03	<0.10	<0.04	0.85	<0.008	<0.18	0.6	E1	<0.30	<0.3	67
CT- SW 139	08-14-03	0.20	<0.04	0.28	<0.008	<0.18	3.2	7	<0.30	<0.3	75
CT- WH 143	07-15-03	E.09	<0.04	<0.06	<0.008	0.02	1.2	2	<0.30	2.2	68
CT- W 217	07-14-03	E.07	<0.04	4.21	<0.008	E.01	0.6	5	<0.30	<0.3	14
CT- W 218	08-20-03	<0.10	E.02	2.23	<0.008	0.02	0.8	4	<0.30	E.2	162
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	E.07	<0.04	0.34	<0.008	E.01	1.2	6	<0.30	<0.3	20
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.10	<0.04	0.13	<0.008	<0.18	0.4	E1	<0.30	<0.3	31
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	E.07	<0.04	2.61	<0.008	<0.09	0.7	2	<0.30	E.2	126
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.10	<0.04	0.15	<0.008	0.03	0.4	E1	<0.30	<0.3	19
CT- SO 362	08-22-03	<0.10	<0.04	5.09	<0.008	<0.18	0.8	E1	<0.30	<0.3	182
CT- V 98	07-03-03	E.06	E.03	4.14	<0.008	0.04	0.6	M	<0.30	<0.3	49

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.06	19	E.02	E.5	0.307	0.4	<8	<0.08	2.1	169
CT- BU 145	08-15-03	<0.06	14	<0.04	<0.8	0.031	E.2	<8	<0.08	E.4	3.7
CT- EW 141	08-04-03	<0.06	19	0.04	0.9	1.84	0.9	13,500	<0.08	2.7	11,700
CT- GR 345	08-20-03	<0.06	52	0.04	E.6	0.276	0.8	E7	<0.08	1.4	16.9
CT- M 192	07-01-03	<0.06	9	<0.04	<0.8	0.090	0.3	<8	<0.08	<0.5	0.8
CT- M 193	08-08-03	<0.06	39	0.16	<0.8	0.121	0.8	<8	<0.08	<0.5	27.3
CT- M 194	08-21-03	<0.06	15	0.07	1.9	0.143	0.5	26	0.26	1.0	24.7
CT- M 195	07-02-03	<0.06	34	0.06	5.2	0.184	1.6	E4	E.05	1.0	1.5
CT- N 203	07-16-03	<0.06	59	<0.04	E.6	0.117	0.6	<8	<0.08	7.8	E.1
CT- N 204	07-16-03	<0.06	198	0.04	E.8	0.213	1.1	<8	<0.08	16.4	9.1
CT- SI 478	09-16-03	<0.06	19	0.06	<0.8	0.887	0.8	<8	<0.08	0.6	76.7
CT- S 405	09-04-03	<0.06	40	0.09	1.2	0.802	1.0	8	<0.08	2.0	1,470
CT- SW 136	07-03-03	<0.06	103	0.08	0.8	0.178	0.4	15	<0.08	0.8	7.0
CT- SW 138	08-14-03	<0.06	21	<0.04	<0.8	0.067	0.3	E5	<0.08	E.3	11.8
CT- SW 139	08-14-03	<0.06	18	0.04	<0.8	0.113	2.5	11	E.07	E.3	24.4
CT- WH 143	07-15-03	<0.06	262	0.06	E.5	0.255	0.5	14	<0.08	48.0	110
CT- W 217	07-14-03	<0.06	17	<0.04	<0.8	0.052	<0.2	<8	E.08	<0.5	4.1
CT- W 218	08-20-03	<0.06	18	<0.04	E.6	0.097	0.3	E5	<0.08	5.1	0.7
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.06	8	E.02	<0.8	0.216	0.6	<8	<0.08	<0.5	0.7
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.06	11	<0.04	1.2	0.069	0.8	9	<0.08	0.6	1.5
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.06	30	<0.04	1.1	0.128	0.4	E8	<0.08	2.6	3.4
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.06	E6	<0.04	1.2	0.051	E.2	8	<0.08	E.4	1.3
CT- SO 362	08-22-03	<0.06	32	0.06	E.5	0.158	1.0	11	<0.08	3.1	55.6
CT- V 98	07-03-03	<0.06	11	<0.04	E.7	0.137	0.3	10	<0.08	0.5	1.8

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)
HARTFORD COUNTY											
CT- BS 277	08-21-03	4.2	3.60	<0.5	<0.2	119	<0.04	0.5	M	<0.05	<0.09
CT- BU 145	08-15-03	<0.3	0.50	<0.5	<0.2	28.5	<0.04	0.2	<1	<0.05	--
CT- EW 141	08-04-03	1.1	3.33	E.5	<0.2	192	<0.04	3.1	1	<0.05	--
CT- GR 345	08-20-03	E.3	4.20	<0.5	<0.2	117	<0.04	0.3	4	--	--
CT- M 192	07-01-03	<0.3	0.41	<0.5	<0.2	27.7	<0.04	0.2	<1	<0.05	<0.09
CT- M 193	08-08-03	<0.3	0.65	E.4	<0.2	25.8	<0.04	1.0	13	<0.05	<0.09
CT- M 194	08-21-03	0.6	3.61	<0.5	<0.2	74.1	<0.04	0.1	3	<0.05	<0.09
CT- M 195	07-02-03	0.5	3.38	<0.5	<0.2	86.9	0.07	0.6	1	<0.05	<0.09
CT- N 203	07-16-03	<0.3	2.04	<0.5	<0.2	307	<0.04	2.6	<1	<0.05	--
CT- N 204	07-16-03	<0.3	3.86	E.3	<0.2	280	<0.04	2.1	M	<0.05	--
CT- SI 478	09-16-03	7.9	56.4	<0.5	<0.2	30.4	<0.04	0.5	<1	<0.05	--
CT- S 405	09-04-03	2.1	4.21	<0.5	<0.2	121	<0.04	1.3	<1	<0.05	<0.09
CT- SW 136	07-03-03	<0.3	3.05	E.3	<0.2	185	<0.04	E.1	1	--	--
CT- SW 138	08-14-03	E.3	1.09	E.3	<0.2	61.2	<0.04	0.6	<1	<0.05	--
CT- SW 139	08-14-03	E.3	1.10	E.3	<0.2	34.3	<0.04	0.9	1	<0.05	--
CT- WH 143	07-15-03	7.0	1.62	<0.5	<0.2	1,840	<0.04	2.7	3	<0.05	--
CT- W 217	07-14-03	<0.3	0.46	<0.5	<0.2	34.4	<0.04	E.1	<1	<0.05	<0.09
CT- W 218	08-20-03	E.2	1.76	<0.5	<0.2	141	<0.04	1.5	M	<0.05	--
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.3	0.56	<0.5	<0.2	36.4	<0.04	0.2	M	<0.05	--
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.3	2.14	<0.5	<0.2	30.1	<0.04	0.2	2	<0.05	<0.09
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.3	2.10	<0.5	<0.2	52.1	<0.04	1.0	M	<0.05	<0.09
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.3	2.02	<0.5	<0.2	24.6	<0.04	0.4	M	<0.05	<0.09
CT- SO 362	08-22-03	E.2	4.48	<0.5	<0.2	230	<0.04	0.4	2	<0.05	<0.09
CT- V 98	07-03-03	E.2	2.28	<0.5	<0.2	41.0	E.02	0.6	2	--	--

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Di-chloro-aniline water, fltrd, ug/L (61614)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benzamide, wat flt ug/L (61617)	2Chloro-2,6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- BU 145	08-15-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- EW 141	08-04-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- GR 345	08-20-03	--	<0.009	<0.02	--	<0.006	--	--	--	<0.006	<0.04
CT- M 192	07-01-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- M 193	08-08-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- M 194	08-21-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	E.005	<0.04
CT- M 195	07-02-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- N 203	07-16-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- N 204	07-16-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- SI 478	09-16-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- S 405	09-04-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- SW 136	07-03-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- SW 138	08-14-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	E.006	E.03
CT- SW 139	08-14-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	E.003	<0.04
CT- WH 143	07-15-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- W 217	07-14-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- W 218	08-20-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	<0.04
CT- SO 362	08-22-03	<0.01	--	--	<0.03	<0.006	<0.1	<0.005	<0.005	<0.006	--
CT- V 98	07-03-03	<0.01	<0.009	<0.02	<0.03	<0.006	<0.1	<0.005	<0.005	E.141	E.16

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl)aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy-carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4-Di'chloro-benzo-phen-one, wat flt ug/L (61631)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- BU 145	08-15-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- EW 141	08-04-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- GR 345	08-20-03	--	<0.008	--	--	--	<0.006	<2	--	--	--
CT- M 192	07-01-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	<0.1	<0.016
CT- M 193	08-08-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	--	<0.003
CT- M 194	08-21-03	<0.004	E.018	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- M 195	07-02-03	<0.004	E.006	<0.01	<0.004	<0.005	<0.006	<2	<0.05	<0.1	<0.016
CT- N 203	07-16-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	--	<0.003
CT- N 204	07-16-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	--	<0.003
CT- SI 478	09-16-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- S 405	09-04-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- SW 136	07-03-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	<0.1	<0.003
CT- SW 138	08-14-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- SW 139	08-14-03	<0.004	<0.008	<0.01	0.005	<0.005	<0.006	<2	--	--	<0.003
CT- WH 143	07-15-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	--	<0.003
CT- W 217	07-14-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	<0.05	<0.1	<0.003
CT- W 218	08-20-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.004	<0.008	<0.01	<0.004	<0.005	<0.006	<2	--	--	<0.003
CT- SO 362	08-22-03	<0.004	--	<0.01	<0.004	<0.005	--	--	--	--	<0.003
CT- V 98	07-03-03	<0.004	E.012	<0.01	<0.004	<0.005	<0.006	<2	<0.05	<0.1	<0.003

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl- methyl sulfone water, fltrd, ug/L (61634)	Aceto- chlor, water, fltrd, ug/L (49260)	Aci- fluor- fen, water, fltrd 0.7u GF ug/L (49315)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF ug/L (49314)	Aldi- carb, water, fltrd 0.7u GF ug/L (49312)	alpha- Endo- sulfan, water, fltrd, ug/L (34362)	alpha- HCH, water, fltrd, ug/L (34253)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- BU 145	08-15-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- EW 141	08-04-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- GR 345	08-20-03	--	--	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	--	<0.005
CT- M 192	07-01-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- M 193	08-08-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- M 194	08-21-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- M 195	07-02-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- N 203	07-16-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- N 204	07-16-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- SI 478	09-16-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- S 405	09-04-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- SW 136	07-03-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- SW 138	08-14-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- SW 139	08-14-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- WH 143	07-15-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- W 217	07-14-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- W 218	08-20-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005
CT- SO 362	08-22-03	<0.006	<0.03	<0.006	--	<0.004	--	--	--	<0.005	<0.005
CT- V 98	07-03-03	<0.006	<0.03	<0.006	<0.007	<0.004	<0.02	<0.008	<0.04	<0.005	<0.005

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd, 0.7u GF (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- BU 145	08-15-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- EW 141	08-04-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- GR 345	08-20-03	<0.007	--	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	--	--
CT- M 192	07-01-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- M 193	08-08-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- M 194	08-21-03	0.039	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- M 195	07-02-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- N 203	07-16-03	<0.007	<0.03	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- N 204	07-16-03	<0.007	<0.03	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- SI 478	09-16-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- S 405	09-04-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- SW 136	07-03-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- SW 138	08-14-03	0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- SW 139	08-14-03	0.008	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- WH 143	07-15-03	<0.007	<0.03	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- W 217	07-14-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- W 218	08-20-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005
CT- SO 362	08-22-03	<0.007	<0.02	<0.050	--	<0.010	--	--	--	<0.01	<0.005
CT- V 98	07-03-03	0.346	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.01	<0.005

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd, 0.7u GF ug/L (49311)	Butylate, water, fltrd, ug/L (04028)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd, 0.7u GF ug/L (82680)	Carbofuran, water, fltrd, 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiazinone, water, fltrd, 0.7u GF ug/L (04039)	Chlorothalonil, water, fltrd, 0.7u GF ug/L (49306)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.03	<0.02	<0.002	0.013	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- BU 145	08-15-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- EW 141	08-04-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- GR 345	08-20-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- M 192	07-01-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- M 193	08-08-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- M 194	08-21-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- M 195	07-02-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- N 203	07-16-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- N 204	07-16-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- SI 478	09-16-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- S 405	09-04-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- SW 136	07-03-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	--	<0.04
CT- SW 138	08-14-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	E.01	<0.04
CT- SW 139	08-14-03	<0.03	<0.02	<0.002	<0.010	E.004	<0.006	<0.02	<0.010	<0.01	<0.04
CT- WH 143	07-15-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- W 217	07-14-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- W 218	08-20-03	<0.03	<0.02	<0.002	E.005	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.03	<0.02	<0.002	E.004	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	<0.01	<0.04
CT- SO 362	08-22-03	--	--	<0.002	--	<0.041	--	--	--	--	--
CT- V 98	07-03-03	<0.03	<0.02	<0.002	<0.010	<0.041	<0.006	<0.02	<0.010	--	<0.04

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	lambda-Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- BU 145	08-15-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- EW 141	08-04-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- GR 345	08-20-03	--	<0.005	<0.006	--	<0.01	<0.018	<0.01	--	--	--
CT- M 192	07-01-03	<0.02	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.016	<0.009	<0.016
CT- M 193	08-08-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- M 194	08-21-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- M 195	07-02-03	<0.02	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.016	<0.009	<0.016
CT- N 203	07-16-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- N 204	07-16-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- SI 478	09-16-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- S 405	09-04-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- SW 136	07-03-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- SW 138	08-14-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- SW 139	08-14-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- WH 143	07-15-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- W 217	07-14-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- W 218	08-20-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009
CT- SO 362	08-22-03	<0.06	<0.005	<0.006	<0.008	--	<0.018	<0.005	<0.008	<0.009	<0.009
CT- V 98	07-03-03	<0.06	<0.005	<0.006	<0.008	<0.01	<0.018	<0.005	<0.008	<0.009	<0.009

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water, fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Dicro-tophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- BU 145	08-15-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- EW 141	08-04-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- GR 345	08-20-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	--	<0.005	--	<0.01
CT- M 192	07-01-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- M 193	08-08-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- M 194	08-21-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	0.109	<0.006	<0.01
CT- M 195	07-02-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- N 203	07-16-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- N 204	07-16-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- SI 478	09-16-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- S 405	09-04-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- SW 136	07-03-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- SW 138	08-14-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- SW 139	08-14-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- WH 143	07-15-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- W 217	07-14-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- W 218	08-20-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01
CT- SO 362	08-22-03	--	<0.003	<0.004	<0.005	--	--	<0.08	<0.005	<0.006	--
CT- V 98	07-03-03	<0.01	<0.003	<0.004	<0.005	<0.01	<0.01	<0.08	<0.005	<0.006	<0.01

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Diphen- amid, water, fltrd, ug/L (04033)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- BU 145	08-15-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- EW 141	08-04-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- GR 345	08-20-03	<0.03	--	--	<0.02	<0.01	--	--	--	<0.002	<0.009
CT- M 192	07-01-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- M 193	08-08-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- M 194	08-21-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- M 195	07-02-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- N 203	07-16-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- N 204	07-16-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- SI 478	09-16-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- S 405	09-04-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- SW 136	07-03-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- SW 138	08-14-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- SW 139	08-14-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- WH 143	07-15-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- W 217	07-14-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- W 218	08-20-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.015	<0.009
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009
CT- SO 362	08-22-03	--	<0.02	<0.002	<0.02	--	<0.02	<0.004	<0.006	<0.002	<0.009
CT- V 98	07-03-03	<0.03	<0.02	<0.002	<0.02	<0.01	<0.02	<0.004	<0.006	<0.002	<0.009

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Fenuron water, fltrd, 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- BU 145	08-15-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- EW 141	08-04-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- GR 345	08-20-03	--	--	<0.005	--	--	--	--	--	<0.03	<0.009
CT- M 192	07-01-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- M 193	08-08-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- M 194	08-21-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- M 195	07-02-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- N 203	07-16-03	<0.03	<0.004	<0.005	<0.031	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- N 204	07-16-03	<0.03	<0.004	<0.005	<0.031	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- SI 478	09-16-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- S 405	09-04-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- SW 136	07-03-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- SW 138	08-14-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- SW 139	08-14-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- WH 143	07-15-03	<0.03	<0.004	<0.005	<0.031	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- W 217	07-14-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- W 218	08-20-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009
CT- SO 362	08-22-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	--	<0.009
CT- V 98	07-03-03	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.02	<0.03	<0.009

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- BU 145	08-15-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- EW 141	08-04-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- GR 345	08-20-03	<0.005	<0.005	E.010	--	<0.01	<0.03	--	<0.003	--	<0.02
CT- M 192	07-01-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- M 193	08-08-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- M 194	08-21-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- M 195	07-02-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- N 203	07-16-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- N 204	07-16-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- SI 478	09-16-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- S 405	09-04-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- SW 136	07-03-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- SW 138	08-14-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- SW 139	08-14-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- WH 143	07-15-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- W 217	07-14-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- W 218	08-20-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.005	<0.005	<0.007	<0.004	<0.01	<0.03	<0.002	<0.003	<0.013	<0.02
CT- SO 362	08-22-03	<0.005	<0.005	<0.007	<0.004	--	--	<0.002	<0.003	<0.013	--
CT- V 98	07-03-03	<0.005	<0.005	<0.007	<0.004	E.03	<0.03	<0.002	<0.003	<0.013	<0.02

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- BU 145	08-15-03	<0.02	0.019	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- EW 141	08-04-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- GR 345	08-20-03	<0.02	<0.007	--	--	<0.004	<0.01	<0.035	--	<0.027	<0.02
CT- M 192	07-01-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- M 193	08-08-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- M 194	08-21-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- M 195	07-02-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- N 203	07-16-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- N 204	07-16-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- SI 478	09-16-03	M	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- S 405	09-04-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- SW 136	07-03-03	<0.02	0.012	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- SW 138	08-14-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- SW 139	08-14-03	<0.02	0.036	<1	0.009	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- WH 143	07-15-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- W 217	07-14-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- W 218	08-20-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02
CT- SO 362	08-22-03	--	--	<1	<0.003	<0.004	--	<0.035	<0.008	<0.027	--
CT- V 98	07-03-03	<0.02	<0.007	<1	<0.003	<0.004	<0.01	<0.035	<0.008	<0.027	<0.02

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	MCPB, water, fltrd 0.7u GF (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF (38501)	Meth-omyl, water, fltrd 0.7u GF (49296)	c-Per-methric acid methyl ester, wat flt ug/L (79842)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF (82667)	t-Per-methric acid methyl ester, wat flt ug/L (79843)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- BU 145	08-15-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- EW 141	08-04-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- GR 345	08-20-03	<0.01	<0.02	--	--	<0.008	<0.004	--	--	<0.006	--
CT- M 192	07-01-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- M 193	08-08-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- M 194	08-21-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- M 195	07-02-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- N 203	07-16-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- N 204	07-16-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- SI 478	09-16-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- S 405	09-04-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- SW 136	07-03-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- SW 138	08-14-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- SW 139	08-14-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- WH 143	07-15-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- W 217	07-14-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- W 218	08-20-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03
CT- SO 362	08-22-03	--	--	<0.005	<0.006	--	--	<0.04	<0.03	<0.006	<0.03
CT- V 98	07-03-03	<0.01	<0.02	<0.005	<0.006	<0.008	<0.004	<0.04	<0.03	<0.006	<0.03

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd, 0.7u GF ug/L (82671)	Myclobutanil, water, fltrd, ug/L (61599)	N-(4-Chlorophenyl)-N'-methylurea, ug/L (61692)	Napropamide, water, fltrd, 0.7u GF ug/L (82684)	Neburon, water, fltrd, 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd, 0.7u GF ug/L (49293)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- BU 145	08-15-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- EW 141	08-04-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- GR 345	08-20-03	<0.013	<0.006	<0.03	<0.002	--	<0.02	<0.007	<0.01	<0.01	<0.02
CT- M 192	07-01-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- M 193	08-08-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- M 194	08-21-03	E.010	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- M 195	07-02-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- N 203	07-16-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- N 204	07-16-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- SI 478	09-16-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- S 405	09-04-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- SW 136	07-03-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- SW 138	08-14-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- SW 139	08-14-03	E.002	<0.006	<0.03	<0.002	<0.008	<0.02	0.015	<0.01	<0.01	<0.02
CT- WH 143	07-15-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- W 217	07-14-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- W 218	08-20-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.013	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02
CT- SO 362	08-22-03	<0.013	<0.006	--	<0.002	<0.008	--	<0.007	--	--	--
CT- V 98	07-03-03	E.002	<0.006	<0.03	<0.002	<0.008	<0.02	<0.007	<0.01	<0.01	<0.02

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	O-Et-O-Me-S-Pr-phosphorothioate wat flt ug/L (61660)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p-'DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- BU 145	08-15-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- EW 141	08-04-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- GR 345	08-20-03	--	<0.02	<0.01	--	<0.003	--	<0.010	<0.004	<0.022	--
CT- M 192	07-01-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.016	<0.010	<0.004	<0.022	<0.10
CT- M 193	08-08-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- M 194	08-21-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- M 195	07-02-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.016	<0.010	<0.004	<0.022	<0.10
CT- N 203	07-16-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- N 204	07-16-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- SI 478	09-16-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- S 405	09-04-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- SW 136	07-03-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- SW 138	08-14-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- SW 139	08-14-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- WH 143	07-15-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- W 217	07-14-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- W 218	08-20-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- SO 362	08-22-03	<0.008	--	--	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10
CT- V 98	07-03-03	<0.008	<0.02	<0.01	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Pro-fenofos water, fltrd, ug/L (61603)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- BU 145	08-15-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- EW 141	08-04-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- GR 345	08-20-03	<0.011	--	--	--	<0.02	--	<0.01	--	<0.004	<0.010
CT- M 192	07-01-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- M 193	08-08-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- M 194	08-21-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- M 195	07-02-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	M	<0.005	<0.004	<0.010
CT- N 203	07-16-03	<0.011	--	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- N 204	07-16-03	<0.011	--	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- SI 478	09-16-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- S 405	09-04-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- SW 136	07-03-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- SW 138	08-14-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- SW 139	08-14-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- WH 143	07-15-03	<0.011	--	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- W 217	07-14-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	0.02	<0.005	<0.004	<0.010
CT- W 218	08-20-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010
CT- SO 362	08-22-03	<0.011	<0.06	<0.008	<0.005	--	<0.006	<0.01	<0.005	<0.004	<0.010
CT- V 98	07-03-03	<0.011	<0.06	<0.008	<0.005	<0.02	<0.006	<0.01	<0.005	<0.004	<0.010

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propet-amphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Proxoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometuron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- BU 145	08-15-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- EW 141	08-04-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	E.02	<0.005	<0.009	<0.003
CT- GR 345	08-20-03	<0.011	<0.02	--	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	--
CT- M 192	07-01-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- M 193	08-08-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	0.008	<0.009	<0.003
CT- M 194	08-21-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- M 195	07-02-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	0.006	<0.009	<0.003
CT- N 203	07-16-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- N 204	07-16-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- SI 478	09-16-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- S 405	09-04-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- SW 136	07-03-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- SW 138	08-14-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	M	0.085	<0.009	<0.003
CT- SW 139	08-14-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	E.01	0.015	<0.009	<0.003
CT- WH 143	07-15-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- W 217	07-14-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- W 218	08-20-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.011	<0.03	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003
CT- SO 362	08-22-03	<0.011	<0.02	<0.004	--	--	--	--	<0.005	--	<0.003
CT- V 98	07-03-03	<0.011	<0.02	<0.004	<0.010	<0.02	<0.008	<0.02	<0.005	<0.009	<0.003

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos, water, fltrd, ug/L (61669)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd, 0.7u GF ug/L (82665)	Terba- cil, water, fltrd, ug/L (04032)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- BU 145	08-15-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- EW 141	08-04-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- GR 345	08-20-03	--	--	<0.02	--	--	<0.034	<0.010	--	<0.02	--
CT- M 192	07-01-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- M 193	08-08-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- M 194	08-21-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- M 195	07-02-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- N 203	07-16-03	<0.02	<0.006	<0.02	<0.008	--	<0.034	<0.010	<0.07	<0.02	<0.01
CT- N 204	07-16-03	<0.02	<0.006	<0.02	<0.008	--	<0.034	<0.010	<0.07	<0.02	<0.01
CT- SI 478	09-16-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- S 405	09-04-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- SW 136	07-03-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- SW 138	08-14-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- SW 139	08-14-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- WH 143	07-15-03	<0.02	<0.006	<0.02	<0.008	--	<0.034	<0.010	<0.07	<0.02	<0.01
CT- W 217	07-14-03	<0.02	<0.006	<0.02	<0.008	--	<0.034	<0.010	<0.07	<0.02	<0.01
CT- W 218	08-20-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.02	<0.006	<0.02	<0.008	<0.3	E.013	<0.010	<0.07	<0.02	<0.01
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01
CT- SO 362	08-22-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	--	<0.07	<0.02	<0.01
CT- V 98	07-03-03	<0.02	<0.006	<0.02	<0.008	<0.3	<0.034	<0.010	<0.07	<0.02	<0.01

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-conazole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- BU 145	08-15-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- EW 141	08-04-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- GR 345	08-20-03	<0.005	--	<0.002	--	<0.02	<0.009	--	<0.03	<0.03	<0.09
CT- M 192	07-01-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- M 193	08-08-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- M 194	08-21-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- M 195	07-02-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- N 203	07-16-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- N 204	07-16-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	E.01	<0.09
CT- SI 478	09-16-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- S 405	09-04-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	E.06	<0.09
CT- SW 136	07-03-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- SW 138	08-14-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	0.26	<0.09
CT- SW 139	08-14-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- WH 143	07-15-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- W 217	07-14-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- W 218	08-20-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09
CT- SO 362	08-22-03	<0.005	<0.01	<0.002	<0.004	--	<0.009	<0.05	<0.03	<0.03	<0.09
CT- V 98	07-03-03	<0.005	<0.01	<0.002	<0.004	<0.02	<0.009	<0.05	<0.03	<0.03	<0.09

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd ug/L (34511)	1,1-Di- chloro- ethane, water, unfltrd ug/L (34496)	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)	1,1-Di- chloro- propene water unfltrd ug/L (77168)	1,2,3,4 Tetra- methyl- benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra- methyl- benzene water unfltrd ug/L (50000)	1,2,3- Tri- chloro- benzene water unfltrd ug/L (77613)	1,2,3- Tri- chloro- propane water unfltrd ug/L (77443)	1,2,3- Tri- methyl- benzene water unfltrd ug/L (77221)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- BU 145	08-15-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- EW 141	08-04-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- GR 345	08-20-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- M 192	07-01-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- M 193	08-08-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- M 194	08-21-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- M 195	07-02-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- N 203	07-16-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- N 204	07-16-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SI 478	09-16-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- S 405	09-04-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SW 136	07-03-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SW 138	08-14-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SW 139	08-14-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- WH 143	07-15-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- W 217	07-14-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- W 218	08-20-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SO 362	08-22-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- V 98	07-03-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo-chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- BU 145	08-15-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- EW 141	08-04-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- GR 345	08-20-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- M 192	07-01-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- M 193	08-08-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- M 194	08-21-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- M 195	07-02-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- N 203	07-16-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- N 204	07-16-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SI 478	09-16-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- S 405	09-04-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SW 136	07-03-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SW 138	08-14-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SW 139	08-14-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- WH 143	07-15-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- W 217	07-14-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- W 218	08-20-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SO 362	08-22-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- V 98	07-03-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.05	<0.05	<0.04	<0.06	<0.32	<0.05	<0.12	<7	<1	E.03
CT- BU 145	08-15-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- EW 141	08-04-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	E.05
CT- GR 345	08-20-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- M 192	07-01-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- M 193	08-08-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- M 194	08-21-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- M 195	07-02-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- N 203	07-16-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- N 204	07-16-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SI 478	09-16-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	E.01
CT- S 405	09-04-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	E.01
CT- SW 136	07-03-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SW 138	08-14-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SW 139	08-14-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- WH 143	07-15-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- W 217	07-14-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- W 218	08-20-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SO 362	08-22-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- V 98	07-03-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.04	<0.12	E.04	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- BU 145	08-15-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- EW 141	08-04-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.23
CT- GR 345	08-20-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- M 192	07-01-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- M 193	08-08-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- M 194	08-21-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- M 195	07-02-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- N 203	07-16-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- N 204	07-16-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SI 478	09-16-03	<0.04	<0.12	<0.05	<0.1	<0.3	0.11	<0.03	<0.1	<0.2	<0.04
CT- S 405	09-04-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SW 136	07-03-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SW 138	08-14-03	<0.04	<0.12	E.04	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SW 139	08-14-03	<0.04	<0.12	0.12	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- WH 143	07-15-03	<0.04	<0.12	<0.05	<0.1	<0.3	E.02	<0.03	<0.1	<0.2	<0.04
CT- W 217	07-14-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- W 218	08-20-03	<0.04	<0.12	E.06	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SO 362	08-22-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- V 98	07-03-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unfltrd ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.09	<0.2	<0.05	<0.18	M	<0.2	<0.12	<0.2	<5.0	E.01
CT- BU 145	08-15-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- EW 141	08-04-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- GR 345	08-20-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- M 192	07-01-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- M 193	08-08-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- M 194	08-21-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- M 195	07-02-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- N 203	07-16-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- N 204	07-16-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SI 478	09-16-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- S 405	09-04-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SW 136	07-03-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SW 138	08-14-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SW 139	08-14-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- WH 143	07-15-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- W 217	07-14-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- W 218	08-20-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SO 362	08-22-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- V 98	07-03-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane, water, unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propylbenzene, water, unfltrd ug/L (77223)	Methyl acrylonitrile, water, unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	E.03
CT- BU 145	08-15-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- EW 141	08-04-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- GR 345	08-20-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- M 192	07-01-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- M 193	08-08-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- M 194	08-21-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- M 195	07-02-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- N 203	07-16-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- N 204	07-16-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SI 478	09-16-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	E.03
CT- S 405	09-04-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SW 136	07-03-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SW 138	08-14-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SW 139	08-14-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- WH 143	07-15-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- W 217	07-14-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- W 218	08-20-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SO 362	08-22-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- V 98	07-03-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Naphth- alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n- propyl- benzene water unfltrd ug/L (77224)	o- Xylene, water, unfltrd ug/L (77135)	sec- Butyl- benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert- Butyl- benzene water unfltrd ug/L (77353)
HARTFORD COUNTY											
CT- BS 277	08-21-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- BU 145	08-15-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- EW 141	08-04-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- GR 345	08-20-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.5	<0.10
CT- M 192	07-01-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- M 193	08-08-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- M 194	08-21-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- M 195	07-02-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.5	<0.10
CT- N 203	07-16-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.2	<0.10
CT- N 204	07-16-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- SI 478	09-16-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- S 405	09-04-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- SW 136	07-03-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.2	<0.10
CT- SW 138	08-14-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- SW 139	08-14-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- WH 143	07-15-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- W 217	07-14-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- W 218	08-20-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- SO 362	08-22-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- V 98	07-03-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water, unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unfltrd ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)
HARTFORD COUNTY											
CT- BS 277	08-21-03	0.21	<0.06	<2	E.04	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- BU 145	08-15-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- EW 141	08-04-03	0.17	<0.06	<2	<0.05	E.02	<0.09	<0.7	<0.10	0.23	<0.09
CT- GR 345	08-20-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- M 192	07-01-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- M 193	08-08-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- M 194	08-21-03	E.01	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- M 195	07-02-03	E.02	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- N 203	07-16-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- N 204	07-16-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SI 478	09-16-03	E.04	<0.06	<2	E.03	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- S 405	09-04-03	E.05	<0.06	<2	E.02	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SW 136	07-03-03	E.01	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E.02	<0.09
CT- SW 138	08-14-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SW 139	08-14-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- WH 143	07-15-03	<0.03	<0.06	<2	E.01	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- W 217	07-14-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- W 218	08-20-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
LITCHFIELD COUNTY											
CT- BA 104	08-28-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
MIDDLESEX COUNTY											
CT- P 117	09-05-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
NEW HAVEN COUNTY											
CT- CS 244	07-23-03	E.01	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
TOLLAND COUNTY											
CT- SO 110	09-26-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SO 362	08-22-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- V 98	07-03-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Di-chloro-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)
HARTFORD COUNTY					
CT- BS 277	08-21-03	1.51	<0.1	<0.01	0.92
CT- BU 145	08-15-03	E.09	<0.1	<0.01	<0.02
CT- EW 141	08-04-03	<0.02	<0.1	<0.01	0.44
CT- GR 345	08-20-03	E.07	<0.1	--	0.44
CT- M 192	07-01-03	<0.02	<0.1	<0.01	<0.02
CT- M 193	08-08-03	<0.02	<0.1	<0.01	<0.02
CT- M 194	08-21-03	E.05	<0.1	<0.01	<0.02
CT- M 195	07-02-03	0.40	<0.1	<0.01	0.16
CT- N 203	07-16-03	0.23	<0.1	<0.01	0.78
CT- N 204	07-16-03	0.18	<0.1	<0.01	0.59
CT- SI 478	09-16-03	<0.02	<0.1	<0.01	0.42
CT- S 405	09-04-03	E.04	<0.1	<0.01	0.31
CT- SW 136	07-03-03	E.04	<0.1	<0.01	<0.02
CT- SW 138	08-14-03	0.67	<0.1	<0.01	E.02
CT- SW 139	08-14-03	1.29	<0.1	<0.01	0.03
CT- WH 143	07-15-03	<0.02	<0.1	<0.01	13.6
CT- W 217	07-14-03	E.01	<0.1	<0.01	<0.02
CT- W 218	08-20-03	0.51	<0.1	<0.01	0.30
LITCHFIELD COUNTY					
CT- BA 104	08-28-03	<0.02	<0.1	<0.01	E.01
MIDDLESEX COUNTY					
CT- P 117	09-05-03	<0.02	<0.1	<0.01	<0.02
NEW HAVEN COUNTY					
CT- CS 244	07-23-03	0.23	<0.1	<0.01	0.26
TOLLAND COUNTY					
CT- SO 110	09-26-03	<0.02	<0.1	<0.01	<0.02
CT- SO 362	08-22-03	<0.02	<0.1	<0.01	0.02
CT- V 98	07-03-03	<0.02	<0.1	<0.01	<0.02

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Station number	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
HARTFORD COUNTY										
CT- F 345	414409072510501	05-20-03	1000	58	7.50	175	0.4	767	3.1	30
CT- PV 86	414143072515801	05-20-03	1400	93	5.00	200	0.2	767	7.8	78
CT- S 402	413349072524301	04-29-03	1200	90	10.50	120	0.1	757	3.5	33
CT- S 403	413627072521801	04-30-03	1200	70	12.00	179	0.1	761	7.5	71
CT- S 404	413851072511901	05-01-03	1200	130	12.00	170	0.1	765	5.2	48
LITCHFIELD COUNTY										
CT- WY 11	413325073123501	10-23-02	1000	126	12.00	300	0.1	760	2.7	54
CT- WY 23	413121073122701	10-23-02	1400	54	4.00	215	0.2	760	2.4	57
CT- WY 66	413120073135101	11-07-02	1000	38	9.66	290	2.5	753	1.1	61
CT- WY 67	413046073122601	04-17-03	1200	40	6.00	205	0.1	767	9.0	81
CT- WY 68	413615073102101	04-16-03	1200	40	11.00	450	0.7	745	5.9	55
NEW HAVEN COUNTY										
CT- CS 245	413224072524001	04-28-03	1200	102.3	14.00	136	0.1	760	8.0	74
CT- SB 112	412922073153901	10-28-02	1200	76	10.50	175	0.1	761	0.3	14
CT- SB 118	412925073132201	10-22-02	1200	64	5.10	189	0.2	765	0.3	34
CT- SB 119	412548073141101	11-05-02	1200	83	12.00	178	0.1	762	8.3	95
CT- SB 121	412632073150501	11-20-02	1200	70	6.00	155	0.2	762	1.6	84

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
HARTFORD COUNTY											
CT- F 345	05-20-03	6.9	207	25.0	11.5	--	--	--	--	--	--
CT- PV 86	05-20-03	7.1	460	25.0	12.0	--	--	--	--	--	--
CT- S 402	04-29-03	7.0	387	22.0	12.0	--	--	--	--	--	--
CT- S 403	04-30-03	7.5	464	20.0	12.5	--	--	--	--	--	--
CT- S 404	05-01-03	7.9	436	19.0	12.5	--	--	--	--	--	--
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	6.2	147	12.0	10.5	77	25	22.9	4.88	1.69	9.65
CT- WY 23	10-23-02	6.1	184	12.0	12.0	84	25	22.9	6.39	1.32	18.5
CT- WY 66	11-07-02	6.4	358	11.0	15.0	69	12	21.6	3.64	2.87	25.9
CT- WY 67	04-17-03	6.6	236	8.0	10.5	86	19	22.9	7.00	1.29	14.5
CT- WY 68	04-16-03	6.3	153	23.0	13.0	40	21	10.5	3.38	1.72	11.5
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	6.7	317	24.0	11.0	140	32	48.1	4.92	0.54	8.41
CT- SB 112	10-28-02	6.3	265	15.0	13.0	74	45	21.3	5.00	2.47	30.7
CT- SB 118	10-22-02	6.2	348	8.0	12.5	110	31	31.2	7.34	1.61	20.4
CT- SB 119	11-05-02	5.9	64	12.0	9.5	24	12	6.78	1.74	0.69	2.77
CT- SB 121	11-20-02	6.5	278	18.0	11.5	110	44	31.6	6.41	1.77	12.8

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Alka-	Bicar-	Carbon-	Bromide	Chlor-	Fluor-	Silica,	Sulfate	Residue	Ammonia
		linity,	bonate,	ate,		ide,	ide,				
		wat flt inc tit field, mg/L as CaCO ₃ (39086)	wat flt incrm. titr., field, mg/L (00453)	wat flt incrm. titr., field, mg/L (00452)	water, water, fltrd, mg/L (71870)	water, water, fltrd, mg/L (00940)	water, water, fltrd, mg/L (00950)	water, water, fltrd, mg/L (00955)	water, water, fltrd, mg/L (00945)	evap. at 180degC wat flt mg/L (70300)	water, water, fltrd, mg/L as N (00623)
HARTFORD COUNTY											
CT- F 345	05-20-03	58	71	0.0	--	--	--	--	--	--	--
CT- PV 86	05-20-03	122	149	0.0	--	--	--	--	--	--	--
CT- S 402	04-29-03	118	144	0.0	--	--	--	--	--	--	--
CT- S 403	04-30-03	137	167	0.0	--	--	--	--	--	--	--
CT- S 404	05-01-03	132	161	0.0	--	--	--	--	--	--	--
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	53	64	0.0	0.03	19.6	<0.17	17.6	12.9	131	<0.10
CT- WY 23	10-23-02	58	71	0.0	0.03	30.4	<0.17	15.4	17.2	154	E.05
CT- WY 66	11-07-02	57	70	0.0	0.04	52.2	<0.17	13.2	14.2	180	0.35
CT- WY 67	04-17-03	61	82	0.0	0.02	27.5	0.03	19.5	9.8	157	<0.10
CT- WY 68	04-16-03	20	24	0.0	E.01n	24.2	0.05	8.21	9.0	97	E.06
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	109	132	0.0	0.04	16.6	<0.17	15.8	12.5	193	<0.10
CT- SB 112	10-28-02	28	35	0.0	0.03	67.1	<0.17	10.8	14.3	178	<0.10
CT- SB 118	10-22-02	77	94	0.0	0.04	41.0	<0.17	16.9	15.4	191	<0.10
CT- SB 119	11-05-02	12	15	0.0	0.02	3.92	<0.17	11.8	10.9	47	<0.10
CT- SB 121	11-20-02	62	75	0.0	0.02	31.6	<0.17	18.8	16.1	168	<0.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Ammonia	Nitrite	Ortho-	Organic	E coli,	Total	Alum-	Anti-	Arsenic	Barium,
		water, fltrd, mg/L as N (00608)	water, fltrd, mg/L as N (00613)	phos- phate, water, fltrd, mg/L as P (00671)	carbon, water, fltrd, mg/L (00681)	MI MF, water, col/ 100 mL (90901)	coli- form, MI MF, water, col/ 100 mL (90900)	inum, water, fltrd, ug/L (01106)	mony, water, fltrd, ug/L (01095)	water, fltrd, ug/L (01000)	water, fltrd, ug/L (01005)
HARTFORD COUNTY											
CT- F 345	05-20-03	--	--	--	0.6	<1	<1	--	--	--	--
CT- PV 86	05-20-03	--	--	--	0.5	<1	<1	--	--	--	--
CT- S 402	04-29-03	--	--	--	0.6	<1	<1	--	--	--	--
CT- S 403	04-30-03	--	--	--	0.3	<1	<1	--	--	--	--
CT- S 404	05-01-03	--	--	--	0.4	<1	<1	--	--	--	--
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.04	<0.008	E.01	0.4	<1	<1	<2	<0.30	0.3	50
CT- WY 23	10-23-02	E.04	<0.008	E.01	0.4	<1	<1	<2	<0.30	<0.3	14
CT- WY 66	11-07-02	0.35	<0.008	0.08	0.7	<1	<1	<2	<0.30	1.6	119
CT- WY 67	04-17-03	<0.04	<0.008	E.02	E.3*n	<1	<1	<2	<0.30	<0.3	20
CT- WY 68	04-16-03	E.03	<0.008	0.03	0.6	<1	<1	<2	<0.30	<0.3	24
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.04	<0.008	0.05	0.4	<1	<1	<2	<0.30	<0.3	167
CT- SB 112	10-28-02	<0.04	<0.008	0.02	0.4	<1	<1	<2	<0.30	<0.3	20
CT- SB 118	10-22-02	<0.04	<0.008	E.01	0.7	<1	<1	<2	<0.30	0.3	58
CT- SB 119	11-05-02	E.02	<0.008	E.01	0.4	<1	<1	<2	<0.30	<0.3	3
CT- SB 121	11-20-02	<0.04	<0.008	<0.02	E.2n	<1	<1	<2	<0.30	0.3	25

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
HARTFORD COUNTY											
CT- F 345	05-20-03	--	--	--	--	--	--	--	--	--	--
CT- PV 86	05-20-03	--	--	--	--	--	--	--	--	--	--
CT- S 402	04-29-03	--	--	--	--	--	--	--	--	--	--
CT- S 403	04-30-03	--	--	--	--	--	--	--	--	--	--
CT- S 404	05-01-03	--	--	--	--	--	--	--	--	--	--
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.06	27	<0.04	<0.8	0.099	9.2	<10	1.07	5.5	1.5
CT- WY 23	10-23-02	<0.06	66	<0.04	<0.8	0.186	0.7	<10	E.04	1.4	0.3
CT- WY 66	11-07-02	<0.06	37	0.04	<0.8	1.03	0.3	4,660	0.18	3.9	1,770
CT- WY 67	04-17-03	<0.06	23	<0.04	<0.8	0.056	1.9	<10	0.09	4.2	0.3
CT- WY 68	04-16-03	<0.06	12	<0.04	<0.8	0.031	7.6	<10	0.76	E.5	0.4
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.06	30	<0.04	E.7	0.098	5.2	<10	0.21	1.7	0.2
CT- SB 112	10-28-02	<0.06	27	<0.04	<0.8	10.8	0.5	<10	0.38	7.1	127
CT- SB 118	10-22-02	<0.06	41	<0.04	<0.8	0.162	1.0	58	1.67	4.0	43.8
CT- SB 119	11-05-02	<0.06	11	<0.04	<0.8	0.019	11.7	<10	2.85	E.3	0.8
CT- SB 121	11-20-02	<0.06	23	<0.04	<0.8	0.075	3.8	19	0.37	2.9	1.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Dichlorobenzene, fltrd, ug/L (34572)	1-Methylnaphthalene, fltrd, ug/L (62054)
HARTFORD COUNTY											
CT- F 345	05-20-03	--	--	--	--	--	--	--	--	<0.5	<0.5
CT- PV 86	05-20-03	--	--	--	--	--	--	--	--	<0.5	<0.5
CT- S 402	04-29-03	--	--	--	--	--	--	--	--	<0.5	<0.5
CT- S 403	04-30-03	--	--	--	--	--	--	--	--	<0.5	<0.5
CT- S 404	05-01-03	--	--	--	--	--	--	--	--	<0.5	<0.5
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	E.2	1.79	<0.5	<0.2	74.0	<0.04	0.7	54	--	--
CT- WY 23	10-23-02	E.3	0.89	<0.5	<0.2	102	<0.04	0.6	M	<0.5	<0.5
CT- WY 66	11-07-02	1.4	0.67	<0.5	<0.2	135	<0.04	<0.1	21	<0.5	<0.5
CT- WY 67	04-17-03	0.5	0.92	<0.5	<0.2	60.4	<0.04	1.1	M	<0.5	<0.5
CT- WY 68	04-16-03	E.3	0.45	<0.5	<0.2	61.8	<0.04	0.1	1	<0.5	<0.5
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.3	1.69	<0.5	<0.2	108	<0.04	1.4	2	<0.5	<0.5
CT- SB 112	10-28-02	<0.3	18.5	<0.5	0.4	96.5	E.02	0.8	124	<0.5	<0.5
CT- SB 118	10-22-02	<0.3	1.08	<0.5	<0.2	260	<0.04	1.2	7	<0.5	<0.5
CT- SB 119	11-05-02	0.4	0.76	<0.5	<0.2	22.8	<0.04	E.1	5	<0.5	<0.5
CT- SB 121	11-20-02	E.2	1.59	<0.5	<0.2	69.1	E.02	0.3	2	<0.5	<0.5

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-DB water, fltrd, 0.7u GF ug/L (38746)	2,6-Diethyl-aniline water fltrd, 0.7u GF ug/L (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2,6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
CT- PV 86	05-20-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
CT- S 402	04-29-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.005	E.01	<0.004
CT- S 403	04-30-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.005	<0.04	<0.004
CT- S 404	05-01-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.09	<0.009	<0.02	<0.006	--	<0.1	<0.005	E.026	M	<0.004
CT- WY 23	10-23-02	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.002	<0.04	<0.004
CT- WY 66	11-07-02	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
CT- WY 67	04-17-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
CT- WY 68	04-16-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.014	<0.04	<0.004
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.005	<0.04	<0.004
CT- SB 112	10-28-02	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.006	<0.04	<0.004
CT- SB 118	10-22-02	E.01	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.006	M	<0.004
CT- SB 119	11-05-02	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	<0.006	<0.04	<0.004
CT- SB 121	11-20-02	<0.09	<0.009	<0.02	<0.006	<0.5	<0.1	<0.005	E.002	<0.04	<0.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3,4-Dichloro-aniline water fltrd, ug/L (61625)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxy-anisole wat flt ug/L (62059)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4-Cumyl-phenol, water, fltrd, ug/L (62060)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.008	<0.5	<0.004	<2	<0.006	<2	M	<5	<0.006	<1
CT- PV 86	05-20-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- S 402	04-29-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- S 403	04-30-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- S 404	05-01-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.008	--	<0.004	--	<0.006	<2	--	--	<0.006	--
CT- WY 23	10-23-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- WY 66	11-07-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- WY 67	04-17-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- WY 68	04-16-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- SB 112	10-28-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- SB 118	10-22-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- SB 119	11-05-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1
CT- SB 121	11-20-02	<0.008	<0.5	<0.004	<2	<0.006	<2	<1	<5	<0.006	<1

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Aceto-chlor, water, fltrd, ug/L (49260)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Aci-fluor-fen, water, fltrd, 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)
HARTFORD COUNTY											
CT- F 345	05-20-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- PV 86	05-20-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- S 402	04-29-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	M	<0.007	<0.004
CT- S 403	04-30-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- S 404	05-01-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	--	--	--	--	<0.006	--	--	<0.007	<0.004
CT- WY 23	10-23-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- WY 66	11-07-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- WY 67	04-17-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- WY 68	04-16-03	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<1	E1	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- SB 112	10-28-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- SB 118	10-22-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- SB 119	11-05-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004
CT- SB 121	11-20-02	<1	<5	<1	<2	<0.5	<0.006	<0.5	<0.5	<0.007	<0.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Aldi-carb sulfone water, fltrd, 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt ug/L (49314)	Aldi-carb, water, fltrd, 0.7u GF ug/L (49312)	Anthra-cene, water, fltrd, ug/L (34221)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Bendi-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Benomyl, water, fltrd, ug/L (50300)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.02	<0.008	<0.04	<0.5	E.005	<0.02	<0.050	<0.03	<0.010	<0.004
CT- PV 86	05-20-03	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- S 402	04-29-03	<0.02	<0.008	<0.04	<0.5	E.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- S 403	04-30-03	<0.02	<0.008	<0.04	<0.5	0.022	<0.02	<0.050	<0.03	<0.010	<0.004
CT- S 404	05-01-03	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.02	<0.008	<0.04	--	0.021	<0.02	<0.050	<0.03	<0.010	<0.004
CT- WY 23	10-23-02	<0.02	<0.008	<0.04	<0.5	E.002	<0.02	<0.050	<0.03	<0.010	<0.004
CT- WY 66	11-07-02	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- WY 67	04-17-03	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- WY 68	04-16-03	<0.02	<0.008	<0.04	<0.5	0.022	<0.02	<0.050	<0.03	<0.010	<0.004
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.02	<0.008	<0.04	<0.5	E.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- SB 112	10-28-02	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- SB 118	10-22-02	<0.02	<0.008	<0.04	<0.5	0.017	<0.02	<0.050	<0.03	<0.010	<0.004
CT- SB 119	11-05-02	<0.02	<0.008	<0.04	<0.5	<0.007	<0.02	<0.050	<0.03	<0.010	<0.004
CT- SB 121	11-20-02	<0.02	<0.008	<0.04	<0.5	E.005	<0.02	<0.050	<0.03	<0.010	<0.004

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Bensulfuron, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Benzo-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone, water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-sterol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd, 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- PV 86	05-20-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- S 402	04-29-03	<0.02	<0.01	<0.5	E.1	<2	<2	<1	<0.03	<0.02	<0.5
CT- S 403	04-30-03	<0.02	<0.01	<0.5	M	<2	<2	<1	<0.03	<0.02	<0.5
CT- S 404	05-01-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.02	<0.01	--	--	--	--	--	<0.03	<0.02	<0.010
CT- WY 23	10-23-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- WY 66	11-07-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- WY 67	04-17-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- WY 68	04-16-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- SB 112	10-28-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- SB 118	10-22-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- SB 119	11-05-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5
CT- SB 121	11-20-02	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03	<0.02	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Carbo-furan, water, fltrd, 0.7u GF ug/L (49309)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chloro-thalo-nil, water, fltrd, 0.7u GF (49306)	Chlor-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos water, fltrd, ug/L (38933)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- PV 86	05-20-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- S 402	04-29-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- S 403	04-30-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- S 404	05-01-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	<0.041	--	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- WY 23	10-23-02	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- WY 66	11-07-02	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- WY 67	04-17-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- WY 68	04-16-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	M	<0.04	<0.06	<0.005
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- SB 112	10-28-02	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- SB 118	10-22-02	<0.5	E.020	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- SB 119	11-05-02	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
CT- SB 121	11-20-02	<0.5	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Cholosterol, water, fltrd, ug/L (62072)	cis-Permethrin water, fltrd, 0.7u GF ug/L (82687)	Clopyralid, water, fltrd, 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin, water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (49304)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	DEET, water, fltrd, ug/L (62082)
HARTFORD COUNTY											
CT- F 345	05-20-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E.1
CT- PV 86	05-20-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- S 402	04-29-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- S 403	04-30-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- S 404	05-01-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	<0.006	<0.01	--	<0.01	<0.008	<0.009	<0.01	<0.003	--
CT- WY 23	10-23-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- WY 66	11-07-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	M
CT- WY 67	04-17-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- WY 68	04-16-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- SB 112	10-28-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- SB 118	10-22-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	M
CT- SB 119	11-05-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5
CT- SB 121	11-20-02	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water, fltrd, 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd, 0.7u GF ug/L (49302)	Dicrotophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd, ug/L (61705)	Dimeth-oate, water, fltrd, 0.7u GF ug/L (82662)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.004	<0.01	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- PV 86	05-20-03	<0.004	<0.01	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- S 402	04-29-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- S 403	04-30-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- S 404	05-01-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	--	--	<0.006
CT- WY 23	10-23-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- WY 66	11-07-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- WY 67	04-17-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- WY 68	04-16-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.004	<0.04	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- SB 112	10-28-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- SB 118	10-22-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- SB 119	11-05-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006
CT- SB 121	11-20-02	<0.004	--	<0.005	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.006

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Dinoseb water, fltrd, 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd, 0.7u GF ug/L (49300)	D-Limonene, water, fltrd, ug/L (62073)	Ethion monoxon, water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoxy-octyl-phenol, water, fltrd, ug/L (61706)	Fenami-phos sulfone, water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- PV 86	05-20-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- S 402	04-29-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- S 403	04-30-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- S 404	05-01-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.01	<0.03	<0.01	--	<0.03	<0.004	--	<0.008	<0.03	<0.03
CT- WY 23	10-23-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- WY 66	11-07-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- WY 67	04-17-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- WY 68	04-16-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- SB 112	10-28-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- SB 118	10-22-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- SB 119	11-05-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03
CT- SB 121	11-20-02	<0.01	<0.03	<0.01	<0.5	<0.03	<0.004	<1	<0.008	<0.03	<0.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Fenuron water, fltrd, 0.7u GF ug/L (49297)	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fluor-anthene water, fltrd, ug/L (34377)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- PV 86	05-20-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- S 402	04-29-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- S 403	04-30-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- S 404	05-01-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	--	<0.002	<0.003
CT- WY 23	10-23-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- WY 66	11-07-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- WY 67	04-17-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- WY 68	04-16-03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	E.01	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- SB 112	10-28-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- SB 118	10-22-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- SB 119	11-05-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003
CT- SB 121	11-20-02	<0.03	<0.009	<0.005	<0.005	<0.007	<0.01	<0.03	<0.5	<0.002	<0.003

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	HHCB, water, fltrd, ug/L (62075)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid, water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Ipro-dione, water, fltrd, ug/L (61593)	Isobor-neol, water, fltrd, ug/L (62077)	Isofen-phos, water, fltrd, ug/L (61594)	Iso-phorone, water, fltrd, ug/L (34409)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.5	<0.013	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- PV 86	05-20-03	<0.5	<0.013	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- S 402	04-29-03	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- S 403	04-30-03	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- S 404	05-01-03	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	--	<0.02	<0.02	<0.007	--	<1	--	<0.003	--
CT- WY 23	10-23-02	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- WY 66	11-07-02	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- WY 67	04-17-03	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- WY 68	04-16-03	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.5	--	<0.02	M	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- SB 112	10-28-02	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- SB 118	10-22-02	<0.5	--	<0.02	<0.02	0.014	<0.5	<1	<0.5	<0.003	<0.5
CT- SB 119	11-05-02	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5
CT- SB 121	11-20-02	<0.5	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5	<0.003	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Iso-propyl-benzene, water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Linuron, water, fltrd, 0.7u GF ug/L (38478)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd, ug/L (38482)	MCPB, water, fltrd, ug/L (38487)	Menthol, water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- PV 86	05-20-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- S 402	04-29-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- S 403	04-30-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- S 404	05-01-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	--	<0.01	<0.008	<0.027	<0.02	<0.01	--	<0.02	<0.005
CT- WY 23	10-23-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- WY 66	11-07-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- WY 67	04-17-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- WY 68	04-16-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- SB 112	10-28-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- SB 118	10-22-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	E.01	0.009
CT- SB 119	11-05-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
CT- SB 121	11-20-02	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Methi- alithion water, fltrd, ug/L (61598)	Methio- carb, water, fltrd, 0.7u GF ug/L (38501)	Meth- omyl, water, fltrd, 0.7u GF ug/L (49296)	Methyl acetate water unfltrd ug/L (77032)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd, 0.7u GF ug/L (82667)	Methyl salicy- late, water, fltrd, ug/L (62081)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Metsul- furon, water, fltrd, ug/L (61697)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- PV 86	05-20-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	E.003	<0.006	<0.03
CT- S 402	04-29-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	E.007	<0.006	<0.03
CT- S 403	04-30-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- S 404	05-01-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	--	E.003	<0.006	<0.03
CT- WY 23	10-23-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- WY 66	11-07-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- WY 67	04-17-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- WY 68	04-16-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	E.004	<0.006	<0.03
CT- SB 112	10-28-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- SB 118	10-22-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	E.004	<0.006	<0.03
CT- SB 119	11-05-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03
CT- SB 121	11-20-02	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	<0.013	<0.006	<0.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Myclo- butanil water, fltrd, ug/L (61599)	N-(4- Chloro- phenyl) -N- methyl- urea, fltrd, ug/L (61692)	Naphth- alene, water, fltrd, ug/L (34443)	Neburon water, fltrd, 0.7u GF ug/L (49294)	Nico- sul- furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd, 0.7u GF ug/L (49293)	Ory- zalin, water, fltrd, 0.7u GF ug/L (49292)	Oxamyl, water, fltrd, 0.7u GF ug/L (38866)	p- Cresol, water, fltrd, ug/L (62084)	Pendi- meth- alin, water, fltrd, 0.7u GF ug/L (82683)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	M	<0.022
CT- PV 86	05-20-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	M	<0.022
CT- S 402	04-29-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- S 403	04-30-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- S 404	05-01-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.008	<0.02	--	<0.01	<0.01	<0.02	<0.02	<0.01	--	<0.022
CT- WY 23	10-23-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- WY 66	11-07-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- WY 67	04-17-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- WY 68	04-16-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- SB 112	10-28-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- SB 118	10-22-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- SB 119	11-05-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022
CT- SB 121	11-20-02	<0.008	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<0.022

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, 0.7u GF fltrd, ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Picloram, water, fltrd, 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)
HARTFORD COUNTY											
CT- F 345	05-20-03	<2	<0.5	E.2	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- PV 86	05-20-03	<2	<0.5	E.2	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- S 402	04-29-03	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	E.01	<0.005
CT- S 403	04-30-03	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- S 404	05-01-03	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	--	--	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- WY 23	10-23-02	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	M	<0.005
CT- WY 66	11-07-02	<2	<0.5	E.4	<0.10	<0.011	<0.06	<0.008	<0.02	M	<0.005
CT- WY 67	04-17-03	<2	<0.5	E.3	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- WY 68	04-16-03	<2	<0.5	E.2	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- SB 112	10-28-02	<2	<0.5	E.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- SB 118	10-22-02	<2	<0.5	E.4	<0.10	<0.011	<0.06	<0.008	<0.02	E.01	<0.005
CT- SB 119	11-05-02	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005
CT- SB 121	11-20-02	<2	<0.5	<0.5	<0.10	<0.011	<0.06	<0.008	<0.02	<0.01	<0.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Pronamide, water, fltrd, 0.7u GF ug/L (82676)	Propham water, fltrd, 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd, 0.7u GF ug/L (38538)	Pyrene, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Simazine, fltrd, ug/L (04035)	Sulfometuron, fltrd, ug/L (50337)	Tebu-thiuron water, fltrd, 0.7u GF ug/L (82670)	Terbacil, fltrd, ug/L (04032)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- PV 86	05-20-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- S 402	04-29-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	E.004	<0.009	<0.02	<0.010
CT- S 403	04-30-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	E.004	<0.009	<0.02	<0.010
CT- S 404	05-01-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.004	<0.010	<0.02	<0.008	--	<0.02	E.003	<0.009	<0.02	<0.010
CT- WY 23	10-23-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.008	<0.009	<0.02	<0.010
CT- WY 66	11-07-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- WY 67	04-17-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- WY 68	04-16-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	E.004	<0.009	<0.02	<0.010
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- SB 112	10-28-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	E.003	<0.009	<0.02	<0.010
CT- SB 118	10-22-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.005	<0.009	<0.02	<0.010
CT- SB 119	11-05-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	<0.005	<0.009	<0.02	<0.010
CT- SB 121	11-20-02	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	E.003	<0.009	<0.02	<0.010

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Terbufosoxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd, 0.7u GF ug/L (82675)	Terbutylazine, water, fltrd, ug/L (04022)	tert-Amyl alcohol water unfltrd ug/L (77073)	tert-Butyl alcohol water unfltrd ug/L (77035)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tri-benuron water, fltrd, ug/L (61159)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phosphate, water, fltrd, ug/L (62089)	Tri-clopyr, water, fltrd, 0.7u GF ug/L (49235)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.07	<0.02	<0.01	<0.4	<1.00	<0.5	--u	<0.5	<0.5	<0.02
CT- PV 86	05-20-03	<0.07	<0.02	<0.01	<0.4	<1.00	E.3	--u	<0.5	<0.5	<0.02
CT- S 402	04-29-03	<0.07	<0.02	<0.01	<0.4	<1.00	E3.9	--u	<0.5	<0.5	<0.02
CT- S 403	04-30-03	<0.07	<0.02	<0.01	<0.4	<1.00	M	--u	<0.5	<0.5	<0.02
CT- S 404	05-01-03	<0.07	<0.02	<0.01	<0.4	<1.00	<0.5	--u	<0.5	<0.5	<0.02
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.07	<0.02	<0.01	<0.4	<1.00	--	--u	--	--	<0.02
CT- WY 23	10-23-02	<0.07	<0.02	<0.01	<0.43	<1	E.6	--u	<0.5	<0.5	<0.02
CT- WY 66	11-07-02	<0.07	<0.02	<0.01	<0.4	<1.00	<0.5	--u	<0.5	<0.5	<0.02
CT- WY 67	04-17-03	<0.07	<0.02	<0.01	<0.4	<1.00	<0.5	--u	<0.5	<0.5	<0.02
CT- WY 68	04-16-03	<0.07	<0.02	<0.01	<0.4	<1.00	<0.5	--u	<0.5	<0.5	<0.02
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.07	<0.02	<0.01	<0.4	<1.00	E.2	--u	<0.5	<0.5	<0.02
CT- SB 112	10-28-02	<0.07	<0.02	<0.01	<0.43	<1	<0.5	--u	<0.5	<0.5	<0.02
CT- SB 118	10-22-02	<0.07	<0.02	<0.01	<0.43	<1	<0.5	--u	<0.5	<0.5	<0.02
CT- SB 119	11-05-02	<0.07	<0.02	<0.01	<0.43	<1	<0.5	--u	<0.5	<0.5	<0.02
CT- SB 121	11-20-02	<0.07	<0.02	<0.01	<0.43	<1	<0.5	--u	<0.5	<0.5	<0.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Triclosan, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-fluralin, water, fltrd, 0.7u GF ug/L (82661)	Tri-phenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(di-chloro-i-Pr) phosphate, wat flt ug/L (62088)	1,1,1,2-Tetra-chloroethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloroethane, water, unfltrd ug/L (34516)
HARTFORD COUNTY											
CT- F 345	05-20-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09
CT- PV 86	05-20-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	1.04	<0.09
CT- S 402	04-29-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	0.24	<0.09
CT- S 403	04-30-03	<1	<0.5	<0.009	M	<0.5	<0.5	<0.5	<0.03	E.05	<0.09
CT- S 404	05-01-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	E.05	<0.09
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	--	--	<0.009	--	--	--	--	<0.03	E.01	<0.09
CT- WY 23	10-23-02	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	16.7	<0.09
CT- WY 66	11-07-02	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09
CT- WY 67	04-17-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	E.01	<0.09
CT- WY 68	04-16-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	E.04	<0.09
CT- SB 112	10-28-02	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09
CT- SB 118	10-22-02	<1	<0.5	<0.009	E.1	<0.5	M	<0.5	<0.03	E.01	<0.09
CT- SB 119	11-05-02	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09
CT- SB 121	11-20-02	<1	<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	0.57	<0.09

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd ug/L (34511)	1,1-Di- chloro- ethane, water, unfltrd ug/L (34496)	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)	1,1-Di- chloro- propene water unfltrd ug/L (77168)	1,2,3,4 Tetra- methyl- benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra- methyl- benzene water unfltrd ug/L (50000)	1,2,3- Tri- chloro- benzene water unfltrd ug/L (77613)	1,2,3- Tri- chloro- propane water unfltrd ug/L (77443)	1,2,3- Tri- methyl- benzene water unfltrd ug/L (77221)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- PV 86	05-20-03	<0.06	<0.06	0.11	E.09	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- S 402	04-29-03	<0.06	<0.06	0.12	E.02	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- S 403	04-30-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- S 404	05-01-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- WY 23	10-23-02	1.06	<0.06	E.05	0.42	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- WY 66	11-07-02	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- WY 67	04-17-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- WY 68	04-16-03	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	E.02	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SB 112	10-28-02	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SB 118	10-22-02	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SB 119	11-05-02	<0.06	<0.06	<0.04	<0.04	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1
CT- SB 121	11-20-02	<0.06	<0.06	E.02	E.03	<0.05	<0.2	<0.2	<0.3	<0.16	<0.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1,2,4- Tri- chloro- benzene water unfltrd ug/L (34551)	1,2,4- Tri- methyl- benzene water unfltrd ug/L (77222)	Dibromo chloro- propane water unfltrd ug/L (82625)	1,2-Di- chloro- ethane, water, unfltrd ug/L (77651)	1,2-Di- chloro- benzene water unfltrd ug/L (34536)	1,2-Di- chloro- ethane, water, unfltrd ug/L (32103)	1,2-Di- chloro- propane water unfltrd ug/L (34541)	1,3,5- Tri- methyl- benzene water unfltrd ug/L (77226)	1,3-Di- chloro- benzene water unfltrd ug/L (34566)	1,3-Di- chloro- propane water unfltrd ug/L (77173)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- PV 86	05-20-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- S 402	04-29-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- S 403	04-30-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- S 404	05-01-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- WY 23	10-23-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- WY 66	11-07-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- WY 67	04-17-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- WY 68	04-16-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	E.02	<0.04	<0.03	<0.1
CT- SB 112	10-28-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SB 118	10-22-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SB 119	11-05-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1
CT- SB 121	11-20-02	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04	<0.03	<0.1

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- PV 86	05-20-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- S 402	04-29-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- S 403	04-30-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- S 404	05-01-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- WY 23	10-23-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- WY 66	11-07-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- WY 67	04-17-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- WY 68	04-16-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SB 112	10-28-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SB 118	10-22-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SB 119	11-05-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04
CT- SB 121	11-20-02	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- PV 86	05-20-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E.06
CT- S 402	04-29-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.16
CT- S 403	04-30-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- S 404	05-01-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- WY 23	10-23-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.17
CT- WY 66	11-07-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- WY 67	04-17-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- WY 68	04-16-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SB 112	10-28-02	<0.04	<0.12	E.04	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SB 118	10-22-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SB 119	11-05-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04
CT- SB 121	11-20-02	<0.04	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	<0.04

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unfltrd ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- PV 86	05-20-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- S 402	04-29-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- S 403	04-30-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- S 404	05-01-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- WY 23	10-23-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- WY 66	11-07-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- WY 67	04-17-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- WY 68	04-16-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SB 112	10-28-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SB 118	10-22-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SB 119	11-05-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03
CT- SB 121	11-20-02	<0.09	<0.2	<0.05	<0.18	<0.2	<0.2	<0.10	<0.2	<5.0	<0.03

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- PV 86	05-20-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- S 402	04-29-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- S 403	04-30-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- S 404	05-01-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- WY 23	10-23-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- WY 66	11-07-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- WY 67	04-17-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- WY 68	04-16-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SB 112	10-28-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SB 118	10-22-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SB 119	11-05-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06
CT- SB 121	11-20-02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3	<0.08	<0.06

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene, water, unfltrd ug/L (77342)	n-propylbenzene, water, unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene, water, unfltrd ug/L (77350)	Styrene, water, unfltrd ug/L (77128)	t-Butyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene, water, unfltrd ug/L (77353)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- PV 86	05-20-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- S 402	04-29-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.6	<0.10
CT- S 403	04-30-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.2	<0.10
CT- S 404	05-01-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	M	<0.10
CT- WY 23	10-23-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.6	<0.10
CT- WY 66	11-07-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	M	<0.10
CT- WY 67	04-17-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- WY 68	04-16-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- SB 112	10-28-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10
CT- SB 118	10-22-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E.1	<0.10
CT- SB 119	11-05-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	M	<0.10
CT- SB 121	11-20-02	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	0.8	<0.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane, water, unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene, water, unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene, water, unfltrd ug/L (34699)	trans-1,4-Di-chloro-butene, water, unfltrd ug/L (73547)	Tri-bromo-methane, water, unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane, water, unfltrd ug/L (34488)
HARTFORD COUNTY											
CT- F 345	05-20-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- PV 86	05-20-03	0.41	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	0.11	<0.09
CT- S 402	04-29-03	5.47	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	0.30	<0.09
CT- S 403	04-30-03	E.05	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E.01	<0.09
CT- S 404	05-01-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E.09	<0.09
LITCHFIELD COUNTY											
CT- WY 11	10-23-02	E.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E.01	<0.09
CT- WY 23	10-23-02	0.67	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	15.9	<0.09
CT- WY 66	11-07-02	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- WY 67	04-17-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- WY 68	04-16-03	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
NEW HAVEN COUNTY											
CT- CS 245	04-28-03	0.20	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	0.12	<0.09
CT- SB 112	10-28-02	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SB 118	10-22-02	E.02	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	E.04
CT- SB 119	11-05-02	<0.03	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09
CT- SB 121	11-20-02	E.06	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

GROUND-WATER QUALITY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Local identifier	Date	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Di- chlor- vos, water fltrd, ug/L (38775)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)
HARTFORD COUNTY						
CT- F 345	05-20-03	E.04	<0.1	<0.01	--	--
CT- PV 86	05-20-03	E.10	<0.1	<0.01	--	--
CT- S 402	04-29-03	E.03	<0.1	<0.01	--	--
CT- S 403	04-30-03	0.14	<0.1	<0.01	--	--
CT- S 404	05-01-03	E.08	<0.1	<0.01	--	--
LITCHFIELD COUNTY						
CT- WY 11	10-23-02	E.02	<0.1	<0.01	580	1.44
CT- WY 23	10-23-02	E.03	<0.1	<0.01	1,100	0.07
CT- WY 66	11-07-02	E.06	<0.1	<0.01	--	0.38
CT- WY 67	04-17-03	<0.02	<0.1	<0.01	1,210	0.17
CT- WY 68	04-16-03	<0.02	<0.1	<0.01	1,290	0.07
NEW HAVEN COUNTY						
CT- CS 245	04-28-03	0.15	<0.1	<0.01	--	0.51
CT- SB 112	10-28-02	0.24	<0.1	<0.01	--	0.03
CT- SB 118	10-22-02	E.07	<0.1	<0.01	760	0.32
CT- SB 119	11-05-02	E.03	<0.1	<0.01	--	E.01
CT- SB 121	11-20-02	E.03	<0.1	<0.01	--	0.37

Value qualifier codes used in this table:

* -- Sample was warm when received
n -- Below the NDV

Null value qualifier codes used in this table:

u -- Unable to determine-matrix interference

FAIRFIELD COUNTY

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.

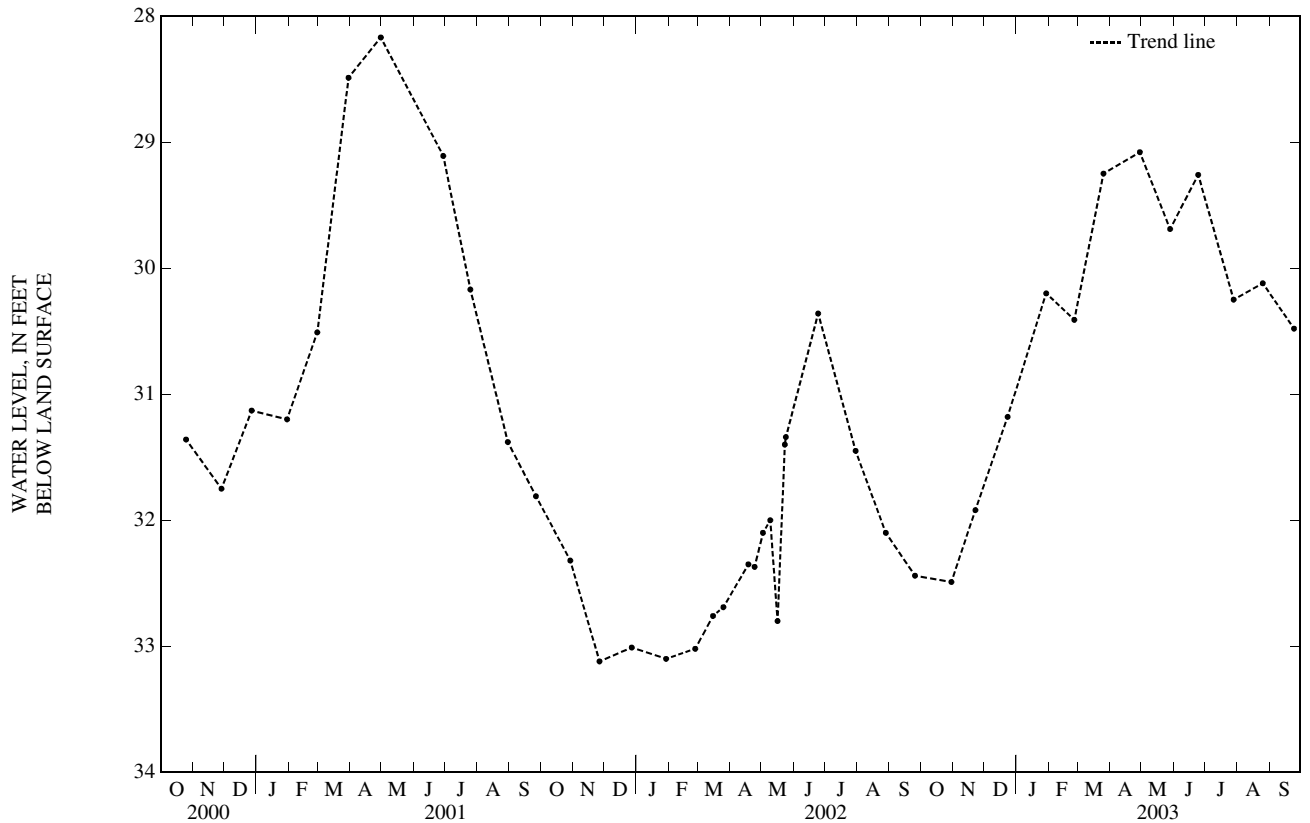
DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.40 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	32.49	DEC 23	31.18	FEB 25	30.41	APR 29	29.08	JUN 24	29.26	AUG 25	30.12
NOV 22	31.92	JAN 29	30.20	MAR 25	29.25	MAY 28	29.69	JUL 28	30.25	SEP 24	30.48
WATER YEAR 2003 HIGHEST 29.08 APR 29, 2003		LOWEST 32.49 OCT 30, 2002									



FAIRFIELD COUNTY—Continued

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.

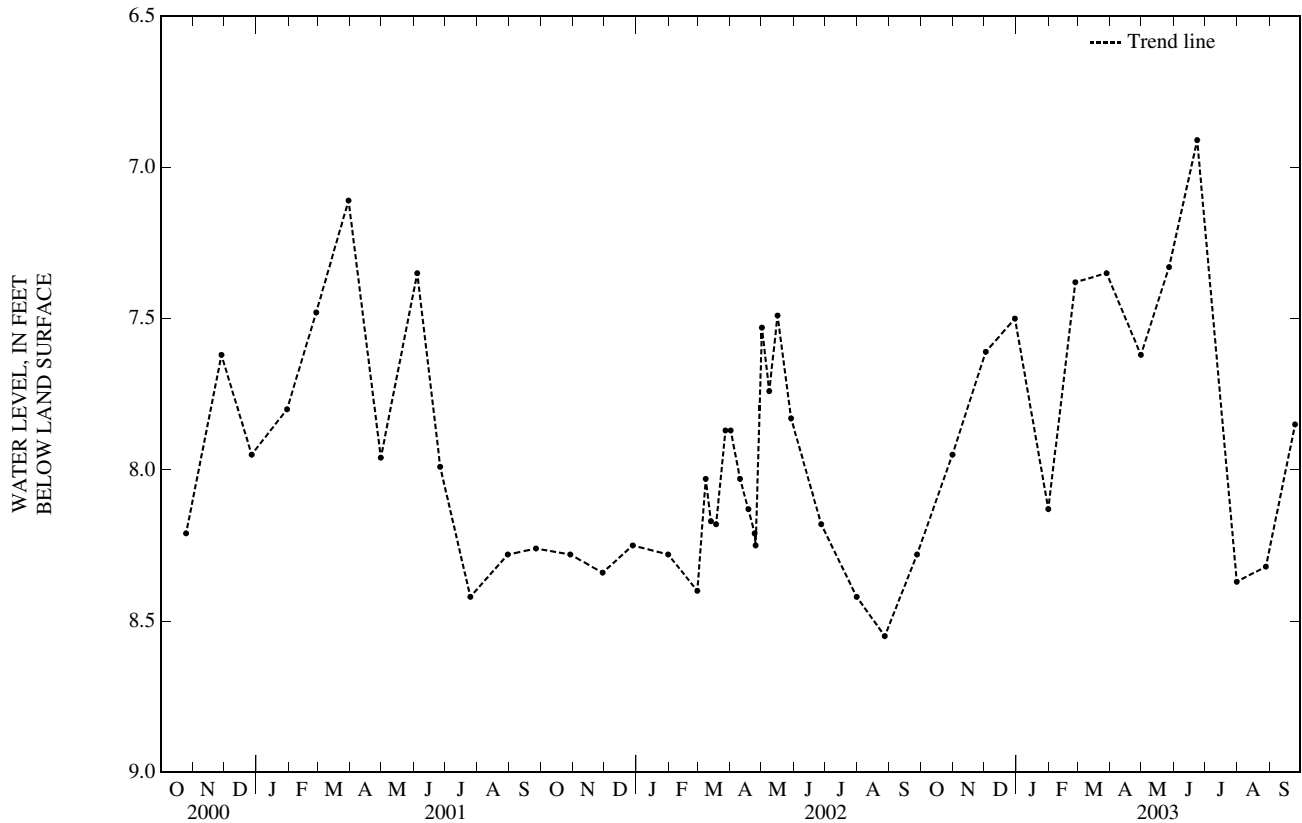
DATUM.--Elevation of land-surface datum is 130 ft above sea level, from topographic map. Measuring point: Top of steel protective casing at orange paint mark, 2.40 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	7.95	DEC 30	7.50	FEB 26	7.38	APR 30	7.62	JUN 23	6.91	AUG 28	8.32
DEC 02	7.61	JAN 31	8.13	MAR 28	7.35	MAY 27	7.33	JUL 31	8.37	SEP 25	7.85
WATER YEAR 2003 HIGHEST		6.91	JUN 23, 2003		LOWEST		8.37	JUL 31, 2003			



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 old cul-de-sac, in pavement of new 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.

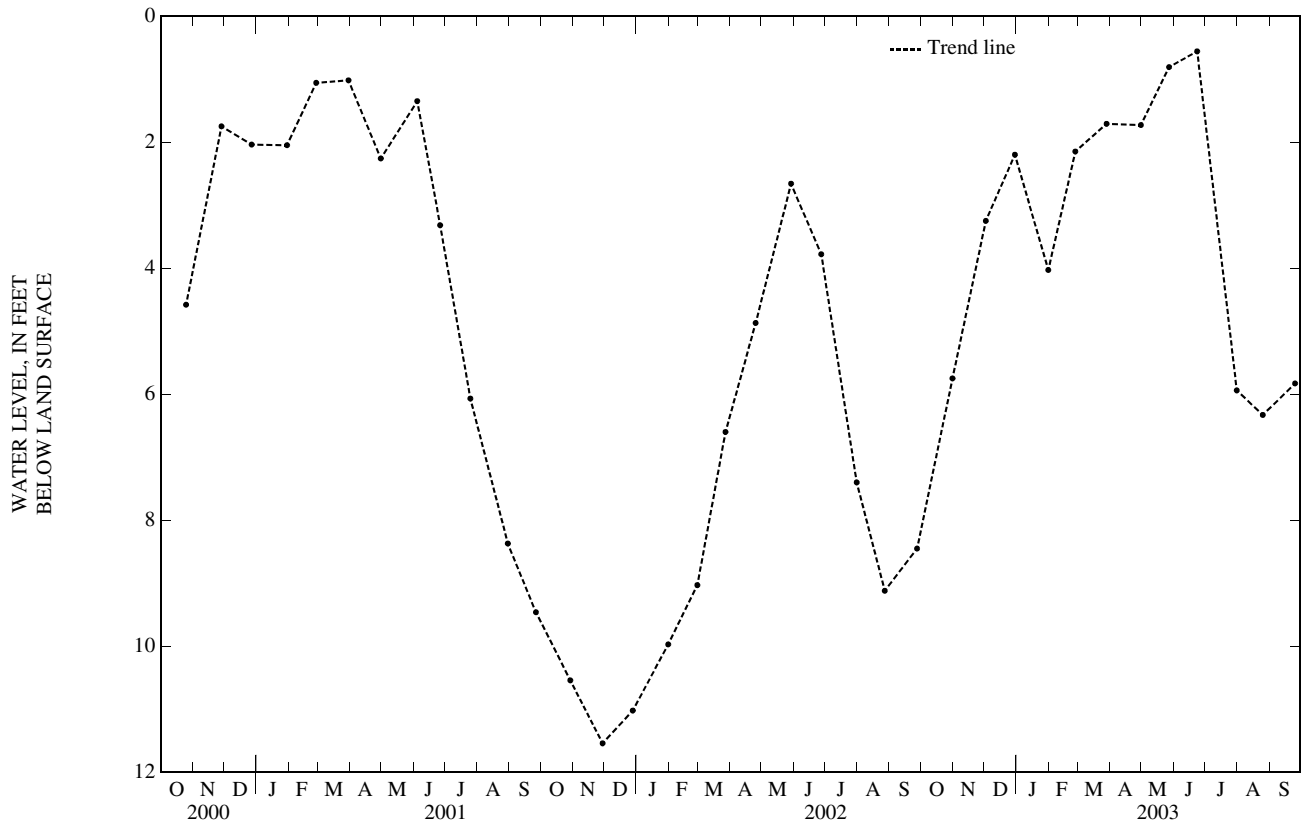
DATUM.--Elevation of land-surface datum is 335 ft above sea level, from topographic map. Measuring point (modified Nov. 29, 2001): Top of PVC protective casing, between hacksaw marks under manhole cover in new cul-de-sac, 0.45 ft below land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	5.75	DEC 30	2.20	FEB 26	2.15	APR 30	1.73	JUN 23	.56	AUG 25	6.33
DEC 02	3.25	JAN 31	4.03	MAR 28	1.71	MAY 27	.81	JUL 31	5.94	SEP 25	5.83
WATER YEAR 2003 HIGHEST		0.56	JUN 23, 2003		LOWEST		6.33	AUG 25, 2003			



GROUND-WATER LEVELS

FAIRFIELD COUNTY—Continued

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.

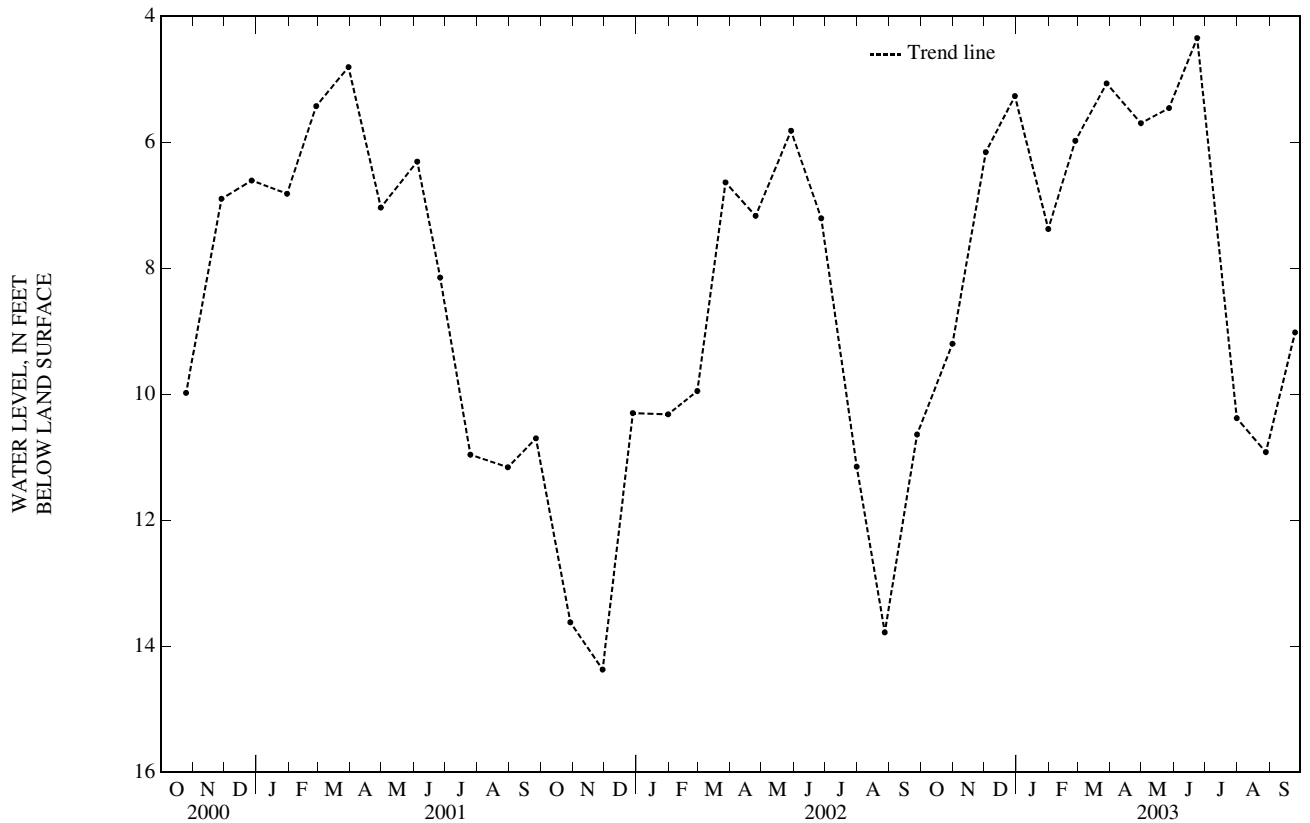
DATUM.--Elevation of land-surface datum is 275 ft above sea level from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.00 ft above land-surface datum.

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, Sept. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	9.20	DEC 30	5.27	FEB 26	5.98	APR 30	5.70	JUN 23	4.35	AUG 28	10.92
DEC 02	6.16	JAN 31	7.38	MAR 28	5.07	MAY 27	5.46	JUL 31	10.38	SEP 25	9.02
WATER YEAR 2003		HIGHEST	4.35	JUN 23, 2003	LOWEST	10.92	AUG 28, 2003				



FAIRFIELD COUNTY—Continued

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.

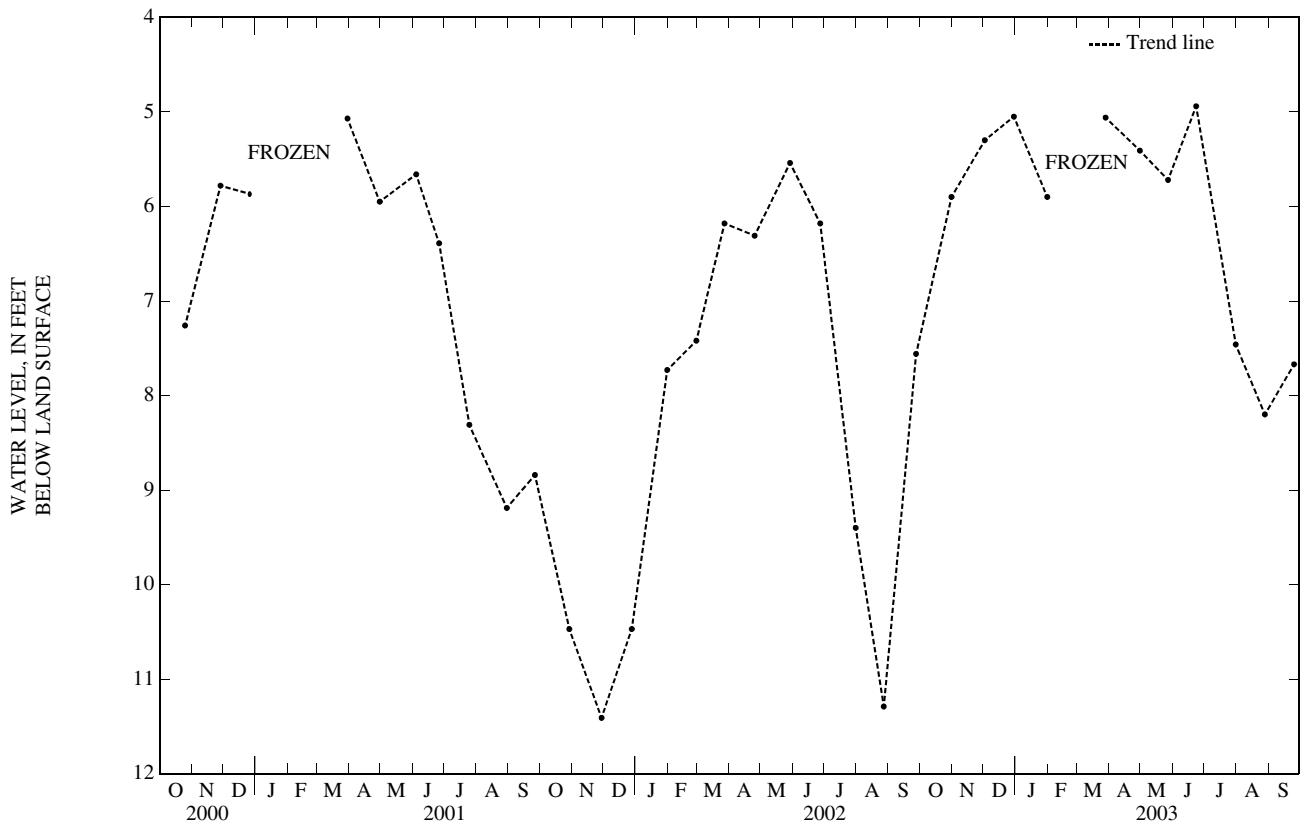
DATUM.--Elevation of land-surface datum is 225 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.50 ft above land-surface datum.

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, Sept. 30, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	5.90	DEC 30	5.05	FEB 26	FROZEN	APR 30	5.41	JUN 23	4.94	AUG 28	8.20
DEC 02	5.30	JAN 31	5.90	MAR 28	5.06	MAY 27	5.72	JUL 31	7.46	SEP 25	7.67
WATER YEAR 2003 HIGHEST		4.94 JUN 23, 2003		LOWEST		8.20 AUG 28, 2003					



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.

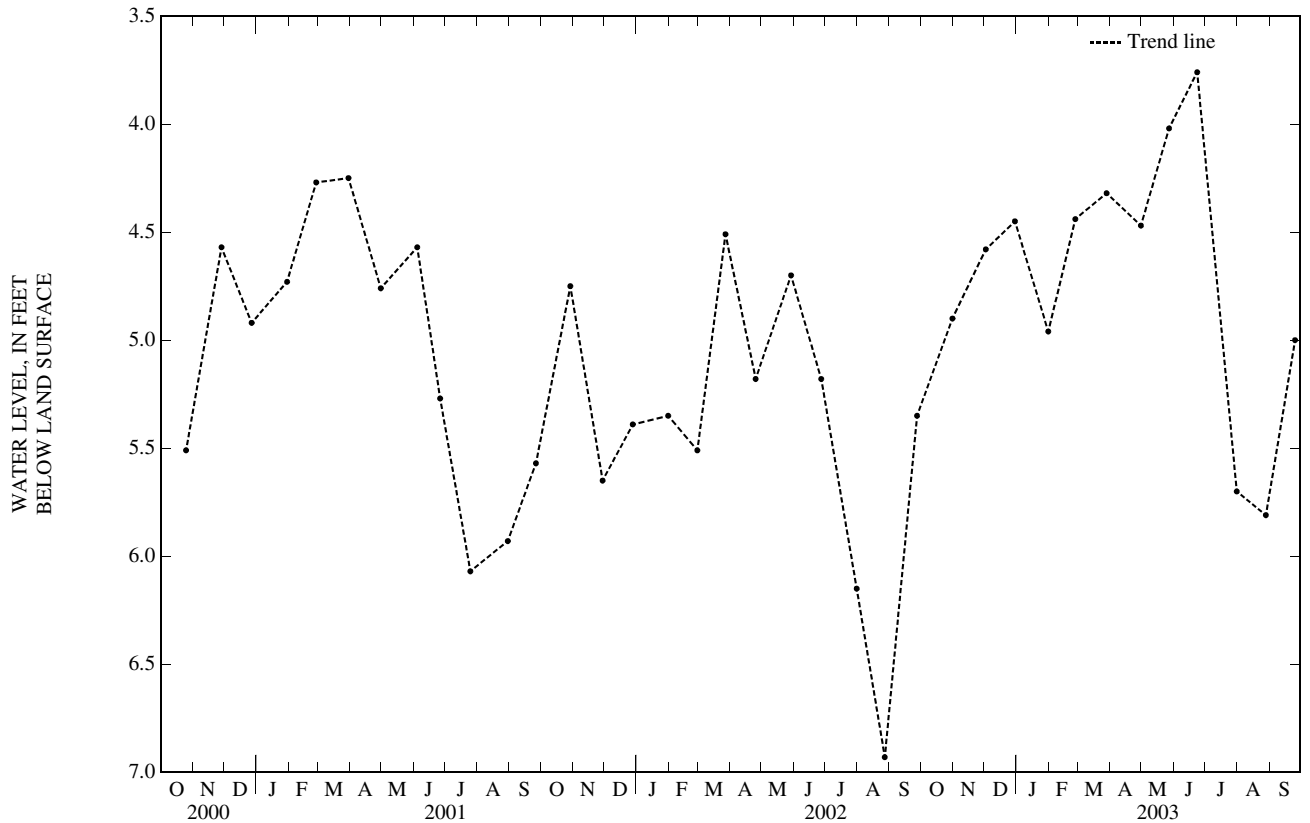
DATUM.--Elevation of land-surface datum is 155 ft above sea level, from topographic map. Measuring point: Top of steel protective casing at orange paint mark, 1.00 ft above land-surface datum.

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, Sept. 23, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.90	DEC 30	4.45	FEB 26	4.44	APR 30	4.47	JUN 23	3.76	AUG 28	5.81
DEC 02	4.58	JAN 31	4.96	MAR 28	4.32	MAY 27	4.02	JUL 31	5.70	SEP 25	5.00
WATER YEAR 2003		HIGHEST	3.76	JUN 23, 2003	LOWEST	5.81	AUG 28, 2003				



FAIRFIELD COUNTY—Continued

410628073413301. Local Number, GW 21.

LOCATION.--Lat 41° 06' 28", long 73° 41' 33", Hydrologic Unit 01100006, 0.9 mi north of intersection of Riversville Rd. and Johns St., 250 ft south of Sterling Rd. and 360 ft east of Riversville Rd., Greenwich; Glenville quadrangle. Owner: National Audubon Society.

AQUIFER.--Carbonate crystalline bedrock.

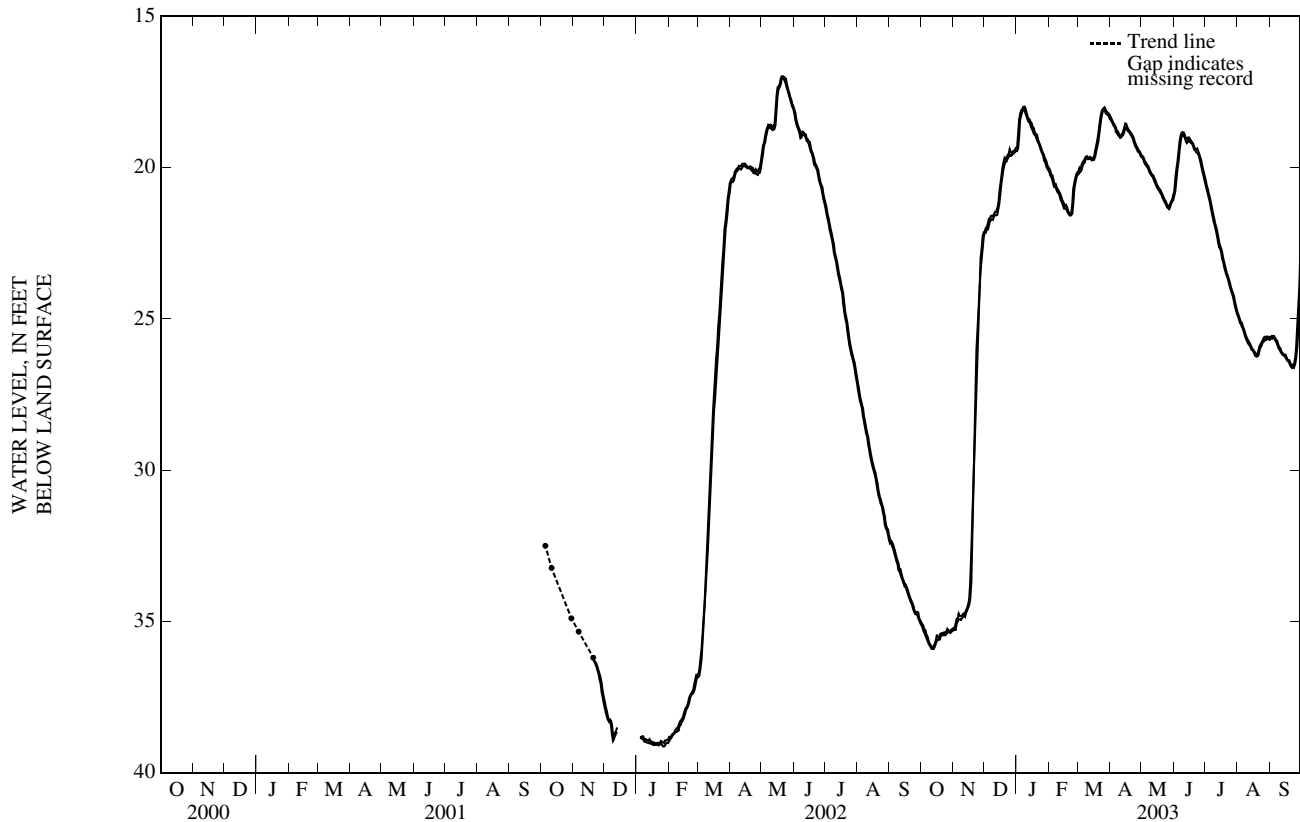
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 6 in, depth 350 ft, steel casing 18.7 ft below land surface, open hole.

INSTRUMENTATION.--Manual measurements made starting Oct. 5, 2001. Submersible pressure transducer/data logger installed Nov. 20, 2001, collects 1-hour water-level data. Satellite telemetry at station. 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 casing plus 1.28 ft above land-surface datum.

PERIOD OF RECORD.--Oct. 5, 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.98 ft below land-surface datum, May 21, 2002; lowest water level measured, 39.13 ft below land-surface datum on Jan. 26, 27, 2002.



FAIRFIELD COUNTY—Continued

410443073414101. Local Number, GW 22.

LOCATION.--Lat 41°04'43", long 73°41'41", Hydrologic Unit 01100006, 0.4 mi east of junction with Riversville Rd., 450 ft south of Porchuck Rd., Greenwich; Glenville quadrangle. Owner: Greenwich Council of Boy Scouts of America.

AQUIFER.--Crystalline bedrock.

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 6 in, depth 250 ft, steel casing 18.6 ft below land surface, open hole.

INSTRUMENTATION.--Submersible pressure transducer/data logger installed Nov. 20, 2001, removed Oct. 22, 2002, collects 1-hour water-level data. All measurements made by USGS personnel.

DATUM.--Elevation of land-surface datum is 222 ft above sea level, from topographic map. Measuring point: Top of casing 1.40 ft above land-surface datum.

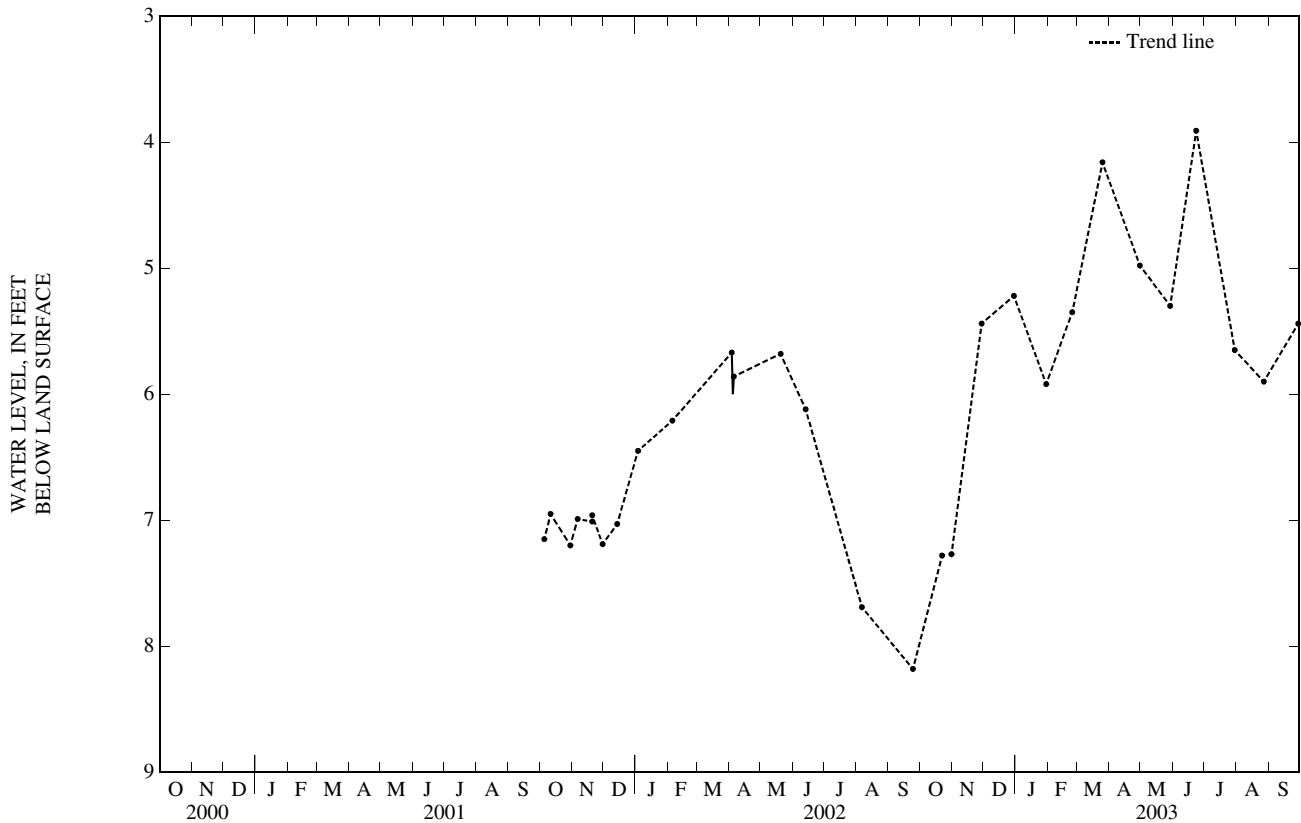
PERIOD OF RECORD.--Nov. 2001 to Sept. 30, 2002 (continuous). Nov. 2001 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft below land-surface datum, May 19, 2002; lowest water level measured, 9.00 ft below land-surface datum on Sept. 25, 2002. (Note: Extremes for period of record were recorded during period of continuous monitoring, which is not shown on graph below.)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	7.28	DEC 30	5.22	MAR 25	4.16	JUN 23	3.91	SEP 29	5.44
31	7.27	JAN 30	5.92	APR 30	4.98	JUL 30	5.65		
NOV 29	5.44	FEB 24	5.35	MAY 29	5.30	AUG 27	5.90		

WATER YEAR 2003 HIGHEST 3.91 JUN 23, 2003 LOWEST 7.28 OCT 22, 2002



GROUND-WATER LEVELS

FAIRFIELD COUNTY—Continued

410515073415901. Local Number, GW 23.

LOCATION.--Lat 41°05'15", long 73°41'59", Hydrologic Unit 01100006, 0.3 mi south of North Porchuck Rd. from Audubon Parking lot, Greenwich; Glenville quadrangle. Owner: National Audubon Society.

AQUIFER.--Crystalline bedrock.

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 6 in, depth 250 ft, steel casing 17.3 ft below land surface, open hole.

INSTRUMENTATION.--Submersible pressure transducer/data logger installed Nov. 20, 2001, removed Oct. 22, 2002, collects 1-hour water-level data. All measurements made by USGS personnel.

DATUM.--Elevation of land-surface datum is 365 ft above sea level, from topographic map. Measuring point: Top of casing 2.20 ft above land-surface datum.

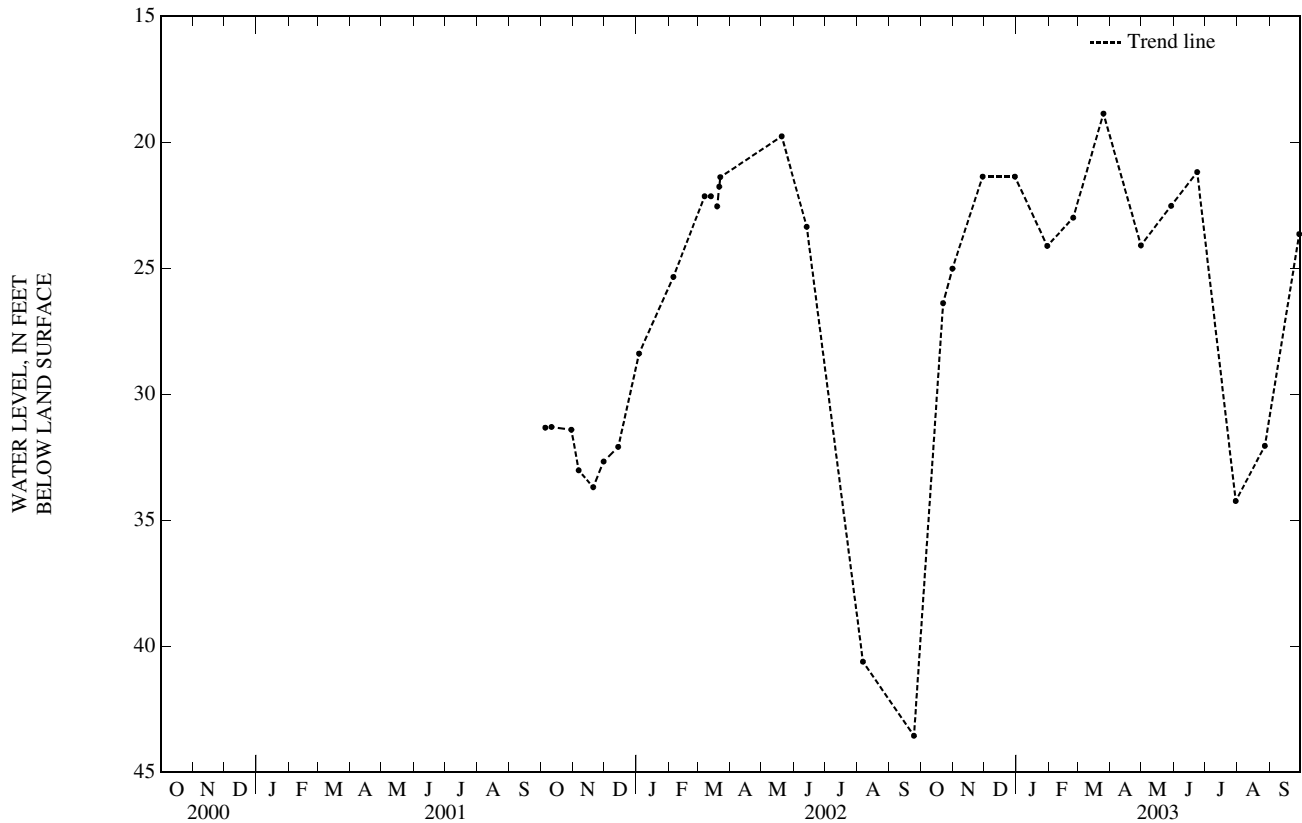
PERIOD OF RECORD.--Nov. 2001 to Sept. 30, 2002 (continuous). Nov. 2001 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.87 ft below land-surface datum, March 25, 2003; lowest water level measured, 46.60 ft below land-surface datum on July 17, 2002. (Note: Lowest water level for period of record was recorded during period of continuous monitoring, which is not shown on graph below.)

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	26.39	DEC 30	21.37	MAR 25	18.87	JUN 23	21.19	SEP 29	23.65
31	25.02	JAN 30	24.12	APR 30	24.10	JUL 30	34.24		
NOV 29	21.37	FEB 24	23.00	MAY 29	22.53	AUG 27	32.05		

WATER YEAR 2003 HIGHEST 18.87 MAR 25, 2003 LOWEST 34.24 JUL 30, 2003



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.

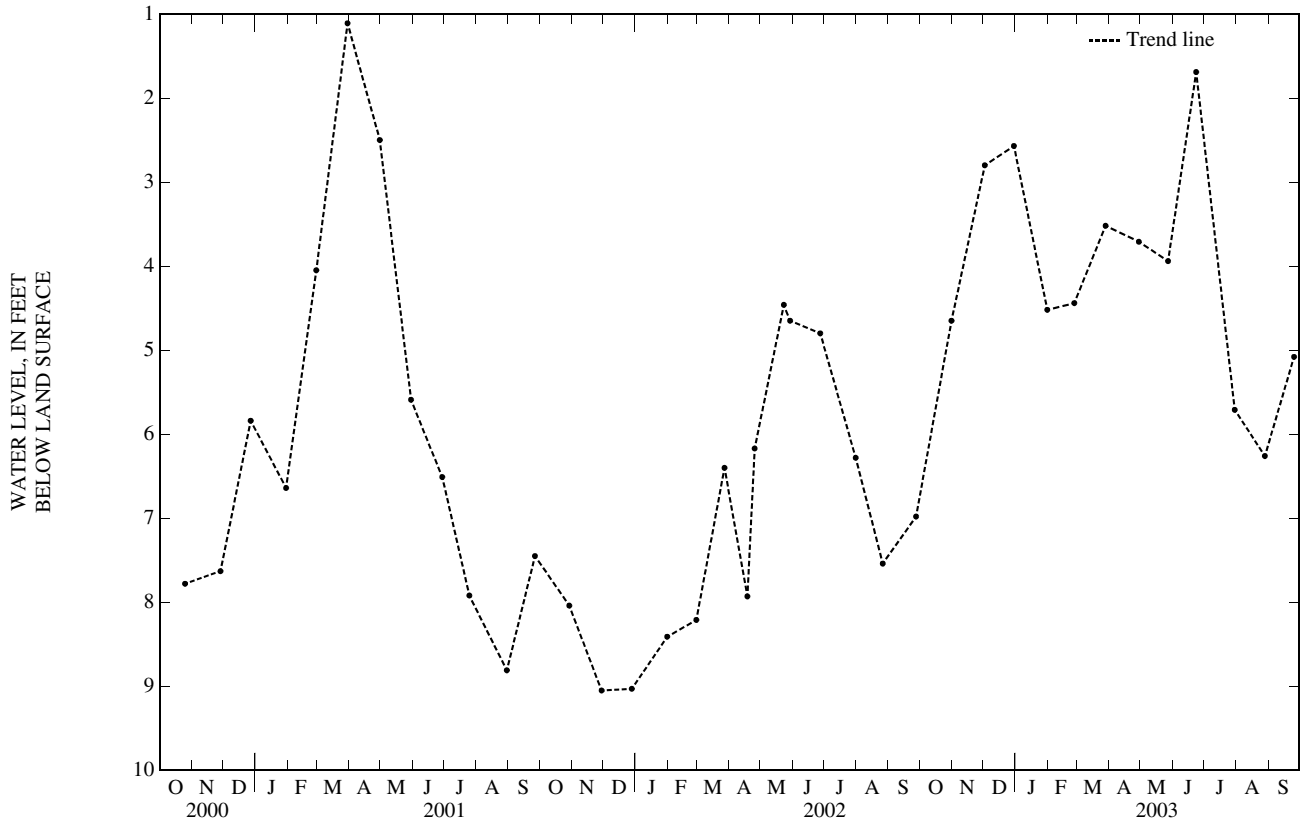
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.20 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.65	DEC 30	2.57	FEB 26	4.44	APR 29	3.71	JUN 23	1.69	AUG 28	6.26
DEC 02	2.80	JAN 31	4.52	MAR 28	3.52	MAY 27	3.94	JUL 30	5.71	SEP 25	5.08
WATER YEAR 2003 HIGHEST		1.69	JUN 23, 2003		LOWEST		6.26	AUG 28, 2003			



GROUND-WATER LEVELS

HARTFORD COUNTY

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 42.72 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.

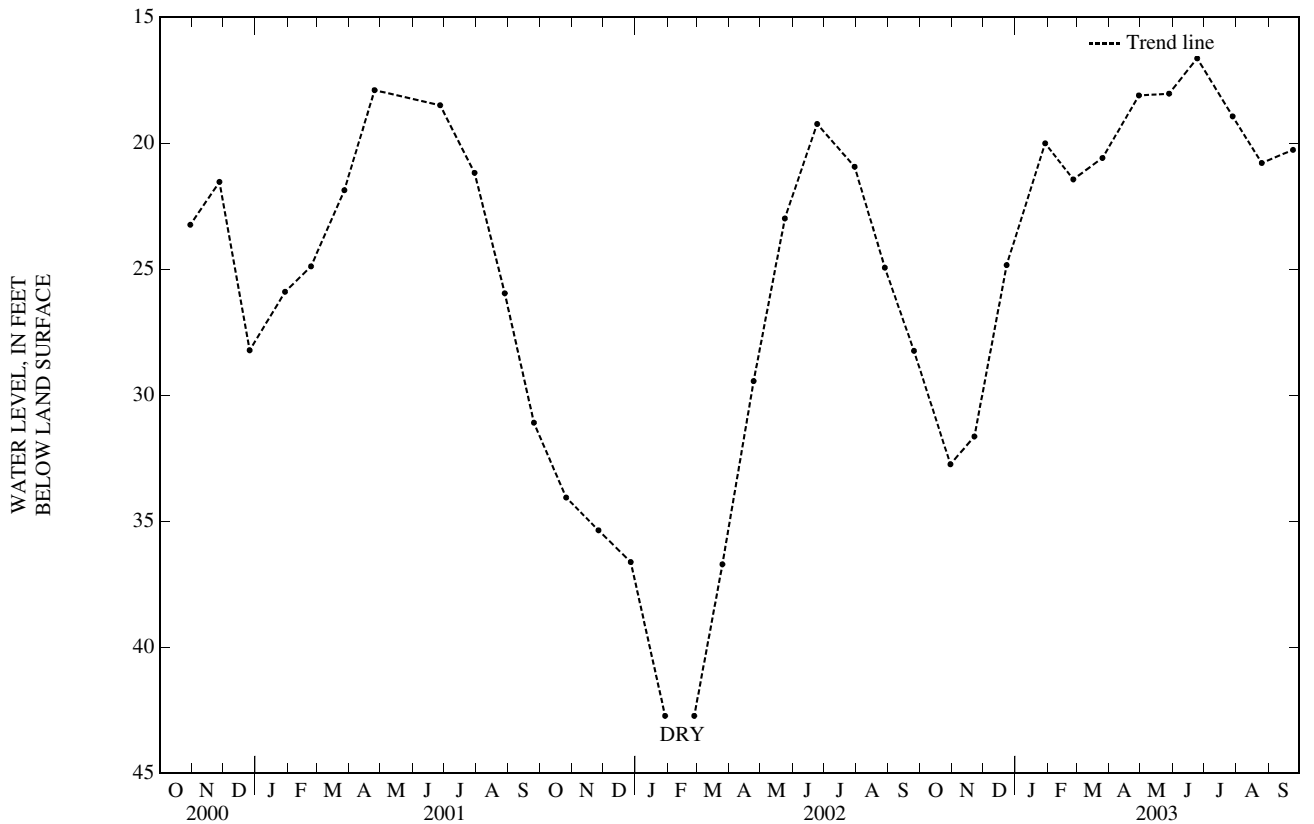
PERIOD OF RECORD.--April 1946 to September 1987 and February 1988 to current year.

REVISED RECORDS.--WDR CT 99-01, 2002: Land-surface datum. Measuring point is 3.34 ft below original land-surface datum (not 8.84 ft below). 2002: Depth of well (depth revised from 37 ft to 42.72 ft, because of change in land-surface datum).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.70 ft below land-surface datum, Aug. 19, 1955; lowest water level measured, dry (lower than 42.72 ft below land-surface datum), Jan. 29, 2002; Feb. 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	32.74	DEC 23	24.84	FEB 25	21.44	APR 29	18.11	JUN 24	16.64	AUG 25	20.79
NOV 22	31.64	JAN 29	20.01	MAR 25	20.59	MAY 28	18.04	JUL 28	18.94	SEP 24	20.27
WATER YEAR 2003 HIGHEST 16.64 JUN 24, 2003		LOWEST 32.74 OCT 30, 2002									



HARTFORD COUNTY—Continued

414704072580501. Local Number, BU 143.

LOCATION.--Lat 41° 47'04", long 72° 58'05", Hydrologic Unit 01080207, 600 ft east of "T" in Covey Rd.; 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 casing, between two hacksaw marks, 2.20 ft above land-surface datum.

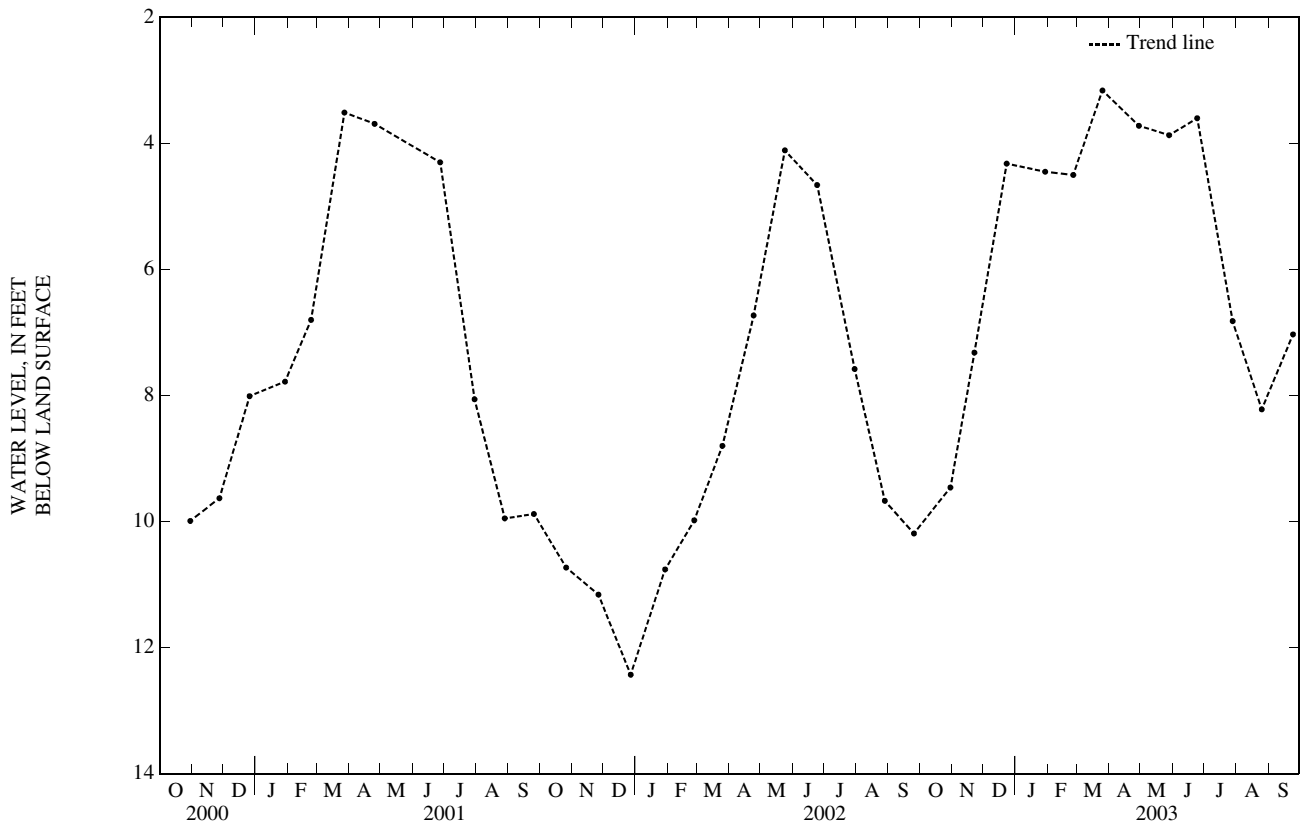
PERIOD OF RECORD.--October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.10 ft below land-surface datum, Mar. 25, 1999; lowest water level measured, 12.43 ft below land-surface datum, Dec. 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	9.46	DEC 23	4.32	FEB 25	4.50	APR 29	3.72	JUN 24	3.60	AUG 25	8.22
NOV 22	7.32	JAN 29	4.45	MAR 25	3.16	MAY 28	3.87	JUL 28	6.82	SEP 24	7.03

WATER YEAR 2003 HIGHEST 3.16 MAR 25, 2003 LOWEST 9.46 OCT 30, 2002



GROUND-WATER LEVELS
HARTFORD COUNTY—Continued

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 casing, between two hacksaw marks, 3.00 ft above land-surface datum.

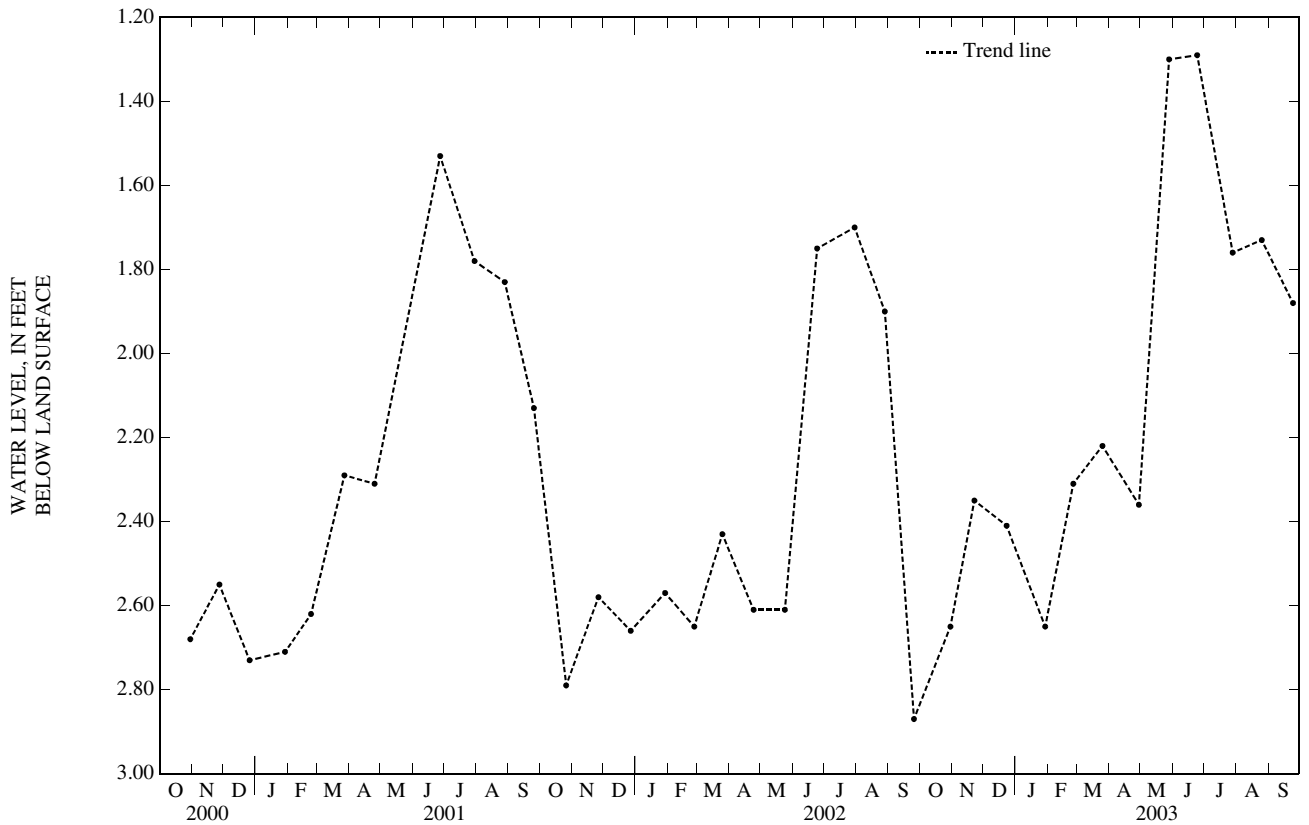
PERIOD OF RECORD.--October 1996 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	2.65	DEC 23	2.41	FEB 25	2.31	APR 29	2.36	JUN 24	1.29	AUG 25	1.73
NOV 22	2.35	JAN 29	2.65	MAR 25	2.22	MAY 28	1.30	JUL 28	1.76	SEP 24	1.88

WATER YEAR 2003 HIGHEST 1.29 JUN 24, 2003 LOWEST 2.65 OCT 30, 2002 JAN 29, 2003



HARTFORD COUNTY—Continued

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.

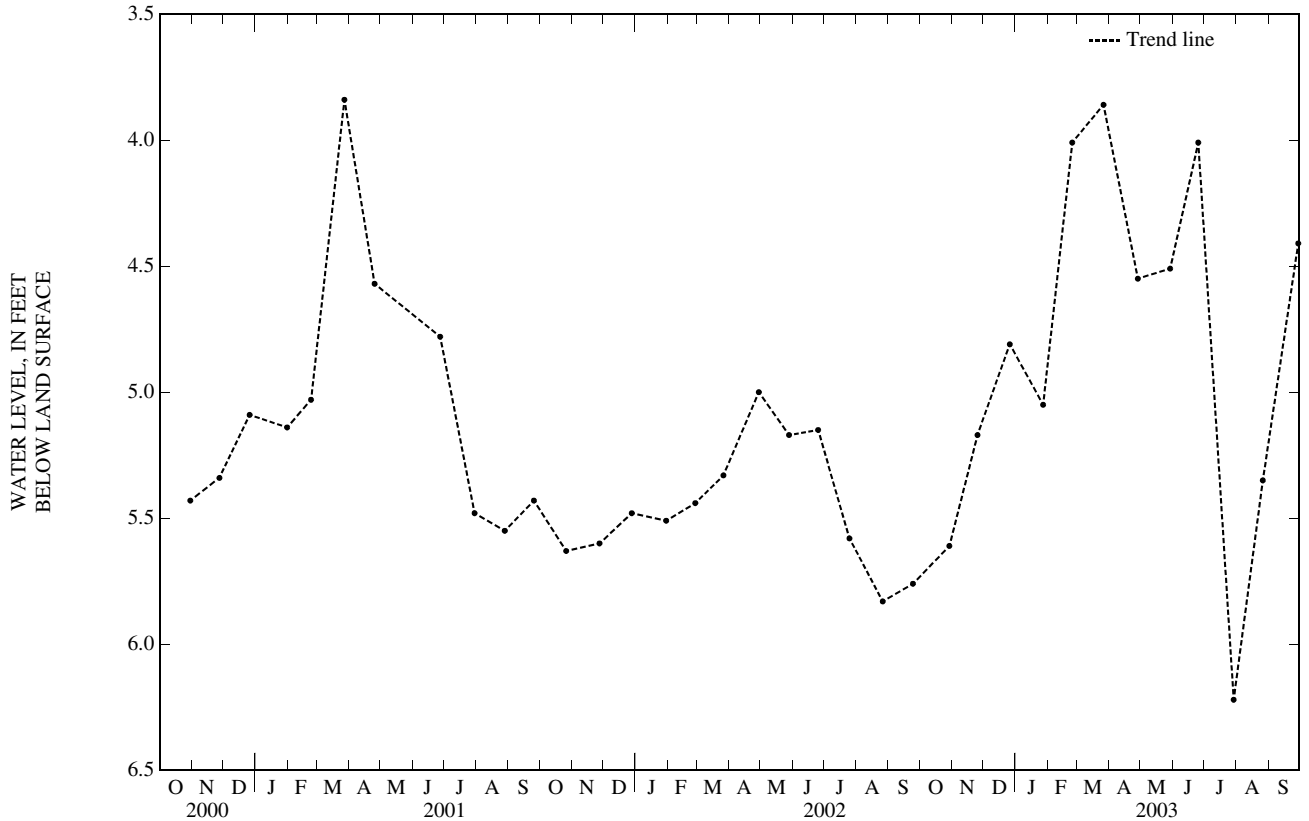
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Between hacksaw marks on PVC well, 4.07 ft above land-surface datum.

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, Sept. 29, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	5.61	DEC 26	4.81	FEB 24	4.01	APR 28	4.55	JUN 25	4.01	AUG 26	5.35
NOV 25	5.17	JAN 27	5.05	MAR 26	3.86	MAY 29	4.51	JUL 29	6.22	SEP 29	4.41
WATER YEAR 2003 HIGHEST		3.86	MAR 26, 2003		LOWEST		6.22	JUL 29, 2003			



GROUND-WATER LEVELS
HARTFORD COUNTY—Continued

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.

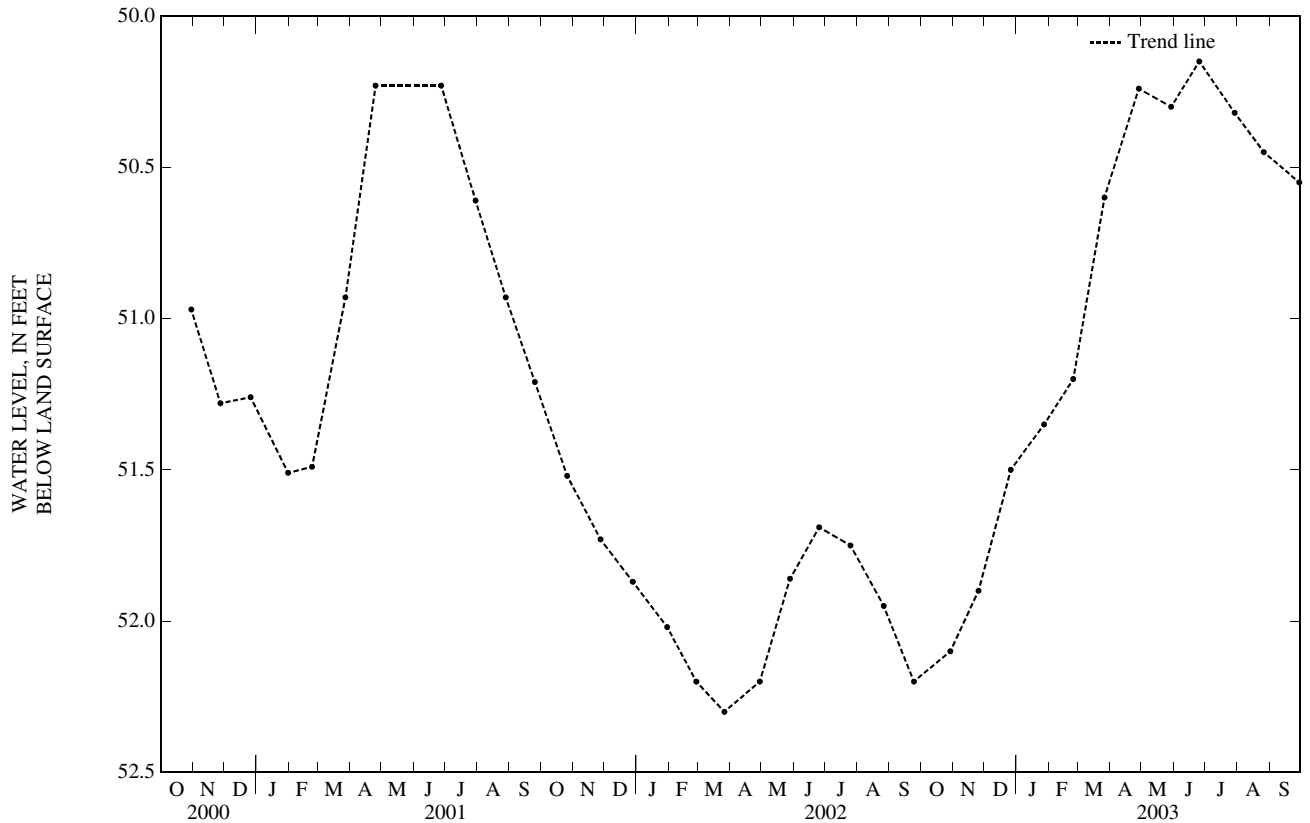
DATUM.--Elevation of land-surface datum is 185 ft above sea level, from topographic map. Measuring point: Top of PVC casing, between hacksaw marks, 1.25 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	52.10	DEC 26	51.50	FEB 24	51.20	APR 28	50.24	JUN 25	50.15	AUG 26	50.45
NOV 25	51.90	JAN 27	51.35	MAR 26	50.60	MAY 29	50.30	JUL 29	50.32	SEP 29	50.55
WATER YEAR 2003 HIGHEST 50.15 JUN 25, 2003		LOWEST 52.10 OCT 29, 2002									



HARTFORD COUNTY—Continued

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.

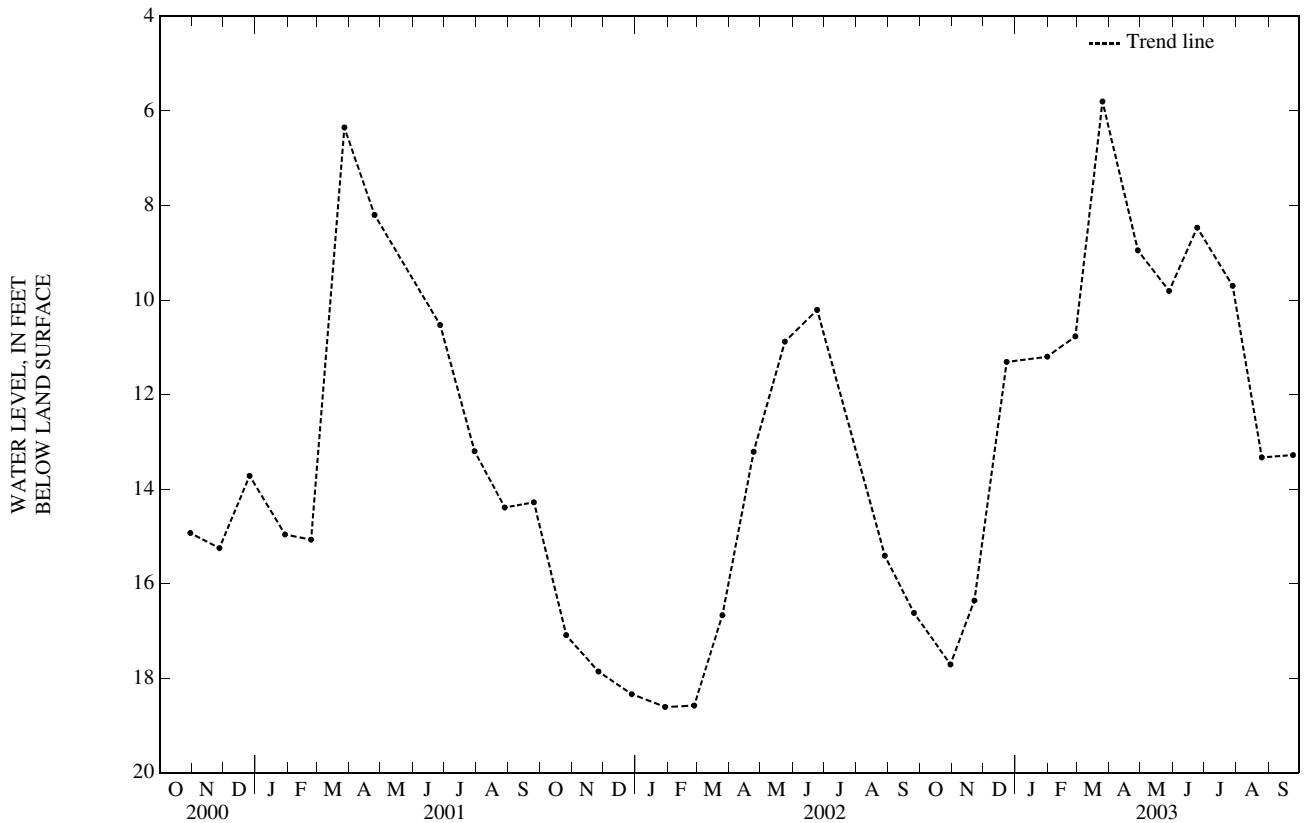
PERIOD OF RECORD.--June 1981 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.49 ft below land-surface datum, June 1, 1984; lowest water level measured, 18.61 ft below land-surface datum, Jan. 29, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	17.71	DEC 23	11.31	FEB 27	10.77	APR 28	8.95	JUN 24	8.47	AUG 25	13.33
NOV 22	16.36	JAN 31	11.20	MAR 25	5.80	MAY 28	9.81	JUL 28	9.70	SEP 24	13.28

WATER YEAR 2003 HIGHEST 5.80 MAR 25, 2003 LOWEST 17.71 OCT 30, 2002



GROUND-WATER LEVELS

HARTFORD COUNTY—Continued

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.

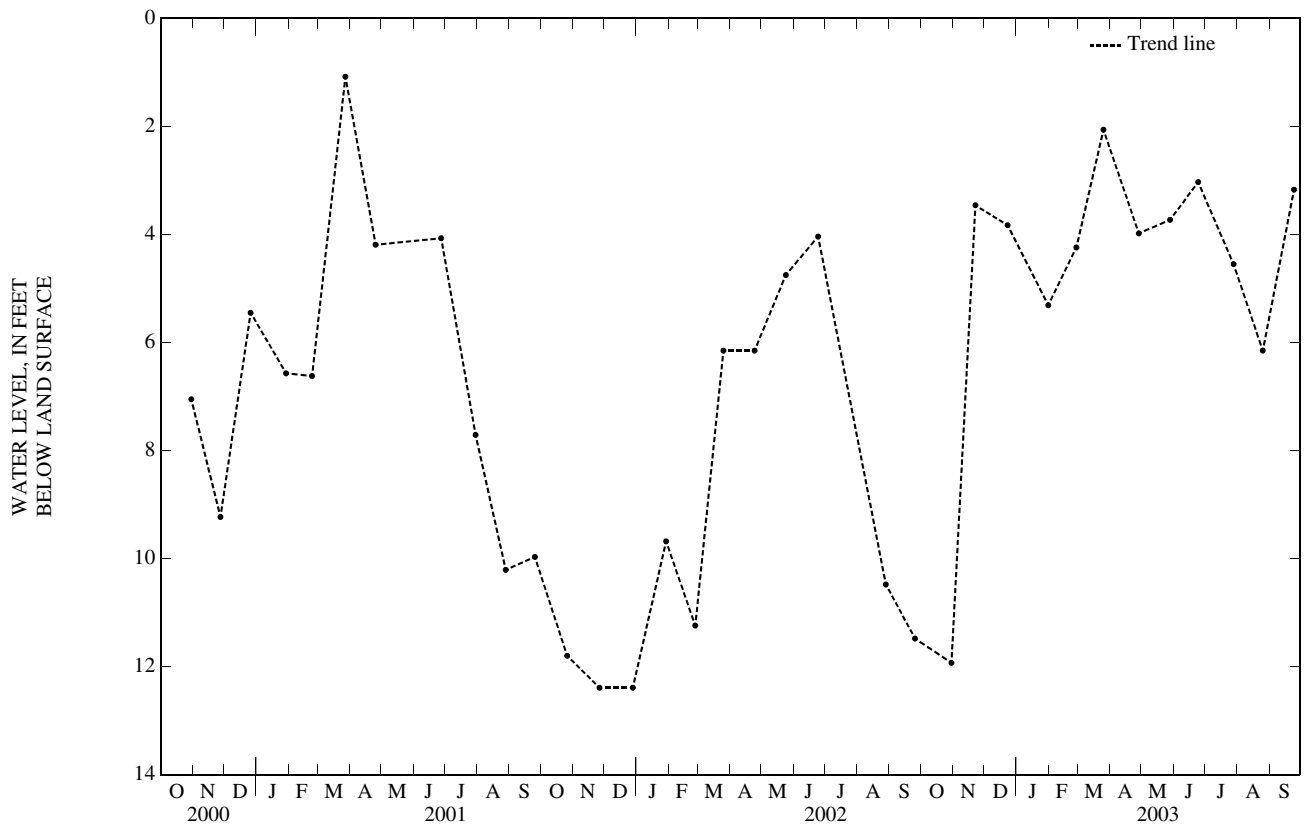
PERIOD OF RECORD.--May 1982 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	11.93	DEC 23	3.83	FEB 27	4.24	APR 28	3.98	JUN 24	3.03	AUG 25	6.15
NOV 22	3.46	JAN 31	5.31	MAR 25	2.06	MAY 28	3.73	JUL 28	4.55	SEP 24	3.17

WATER YEAR 2003 HIGHEST 2.06 MAR 25, 2003 LOWEST 11.93 OCT 30, 2002



HARTFORD COUNTY—Continued

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 Salmon Brook, 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.

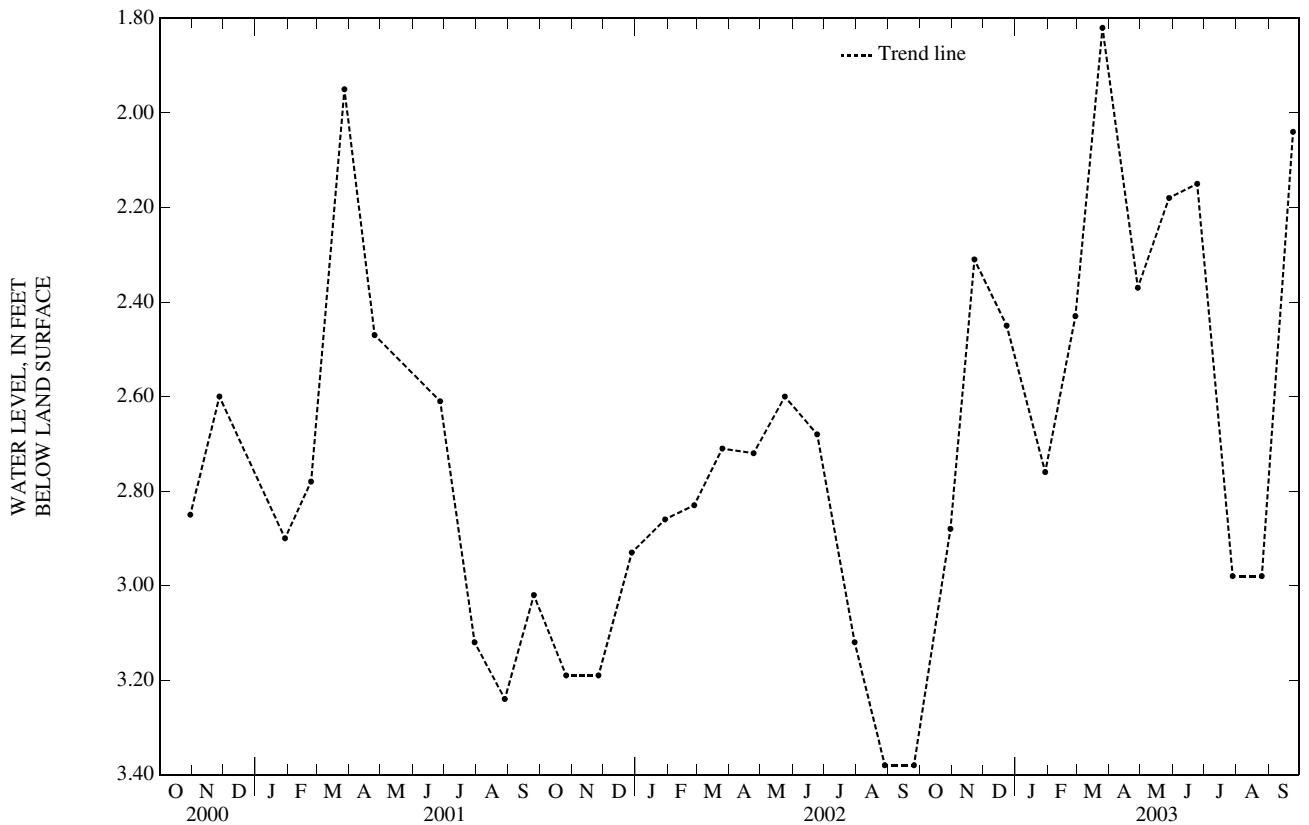
PERIOD OF RECORD.-- May 1982 to September 1992. Only 4 measurements made during water year 1993. October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 1.50 ft below land-surface datum, Mar. 15, 1983; 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	2.88	DEC 23	2.45	FEB 27	2.43	APR 28	2.37	JUN 24	2.15	AUG 25	2.98
NOV 22	2.31	JAN 29	2.76	MAR 25	1.82	MAY 28	2.18	JUL 28	2.98	SEP 24	2.04

WATER YEAR 2003 HIGHEST 1.82 MAR 25, 2003 LOWEST 2.98 JUL 28, 2003 AUG 25, 2003



GROUND-WATER LEVELS
HARTFORD COUNTY—Continued

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.

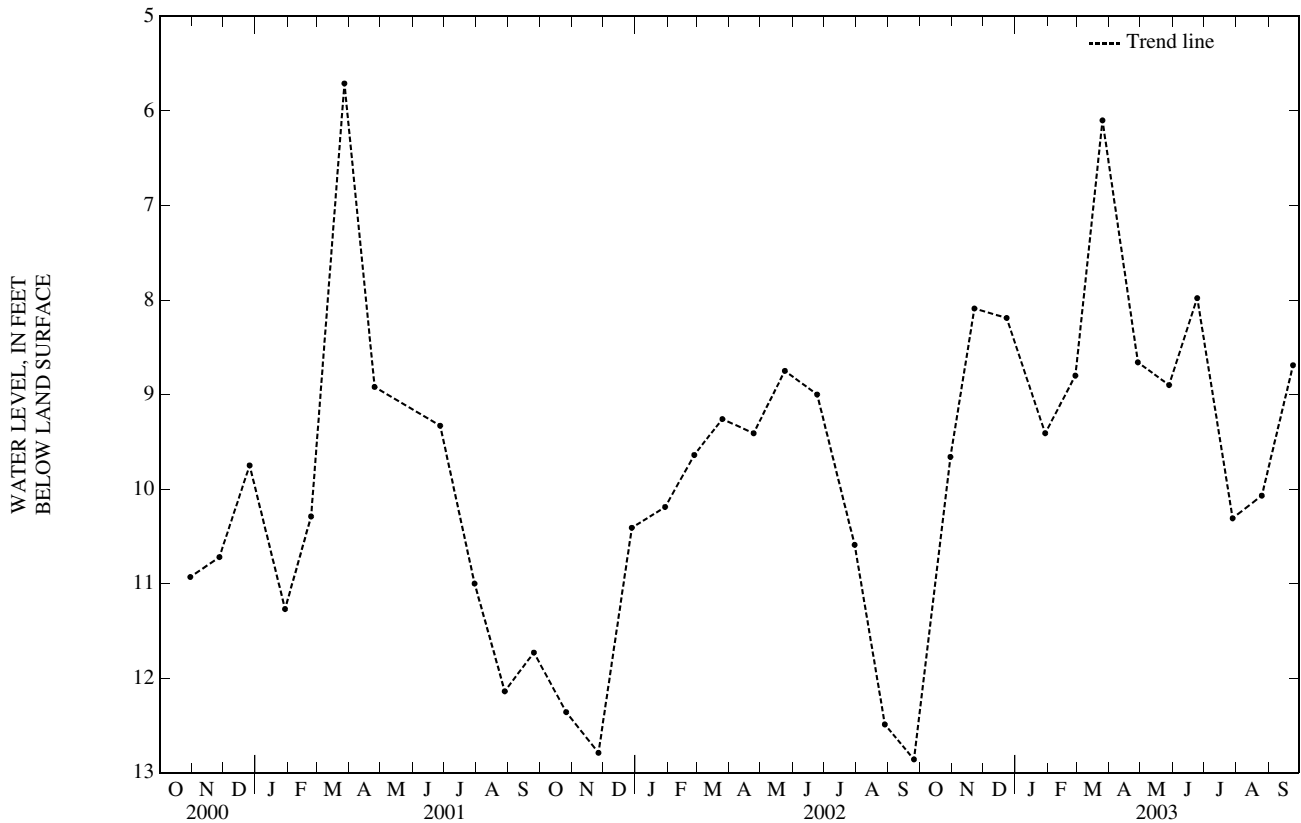
DATUM.--Elevation of land-surface datum is 327 ft above sea level, from topographic map. Measuring point: Top of PVC casing, between hacksaw marks, 2.36 ft above land-surface datum.

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, Sept. 29, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	9.66	DEC 23	8.19	FEB 27	8.80	APR 28	8.66	JUN 24	7.98	AUG 25	10.07
NOV 22	8.09	JAN 29	9.41	MAR 25	6.10	MAY 28	8.90	JUL 28	10.31	SEP 24	8.69
WATER YEAR 2003 HIGHEST		6.10 MAR 25, 2003		LOWEST		10.31 JUL 28, 2003					



HARTFORD COUNTY—Continued

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.

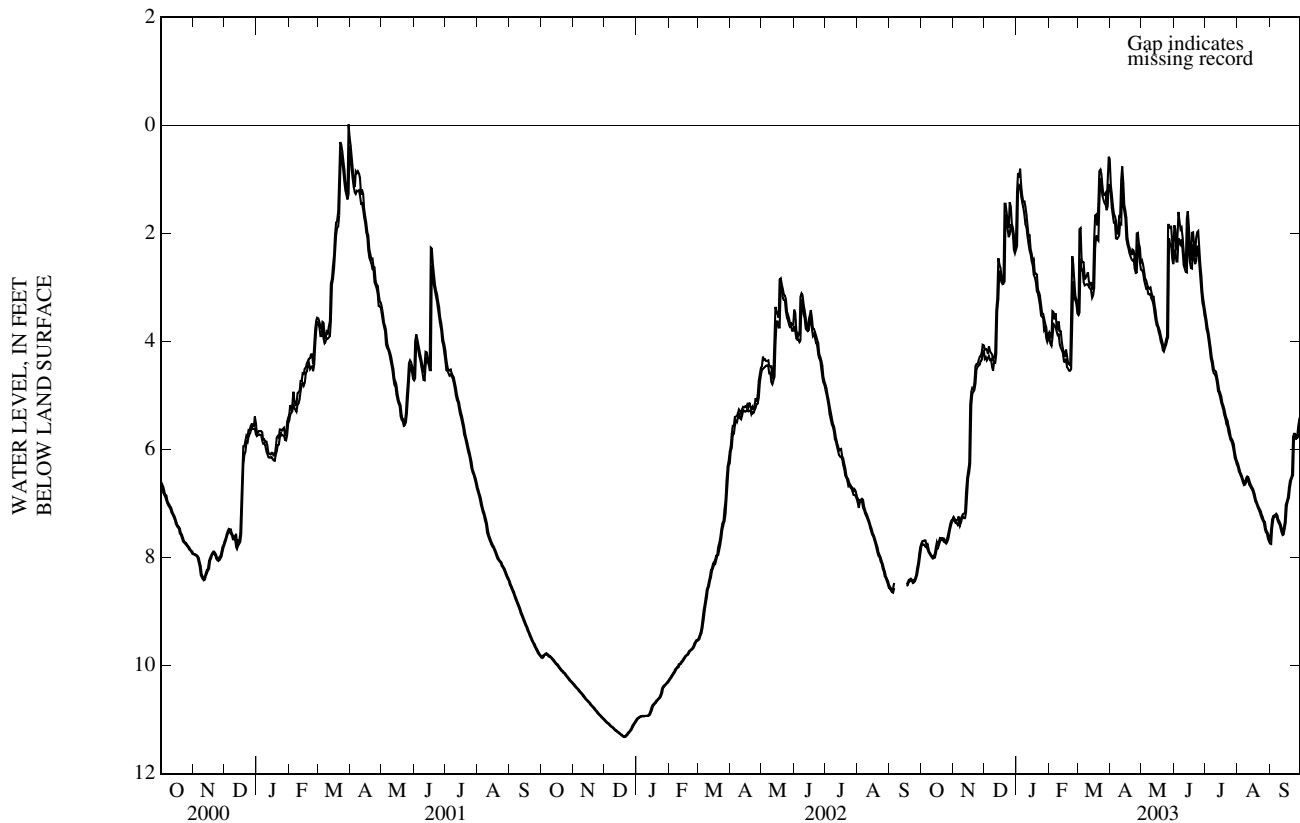
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 16.6 ft, PVC casing, screened 14.6 to 16.6 ft.

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. Submersible pressure transducer/data logger installed June 9, 1999, collects 1-hour water level data. 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, 0.02 ft above land-surface datum, Mar. 30, 2001; lowest water level measured, 11.31 ft below land-surface datum, Dec. 21, 2001.



HARTFORD COUNTY—Continued

413554072270201. Local Number, MB 35.

LOCATION.--Lat 41° 35'54", long 72° 27'02", Hydrologic Unit 01080205, Ogden Lord Rd., 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.

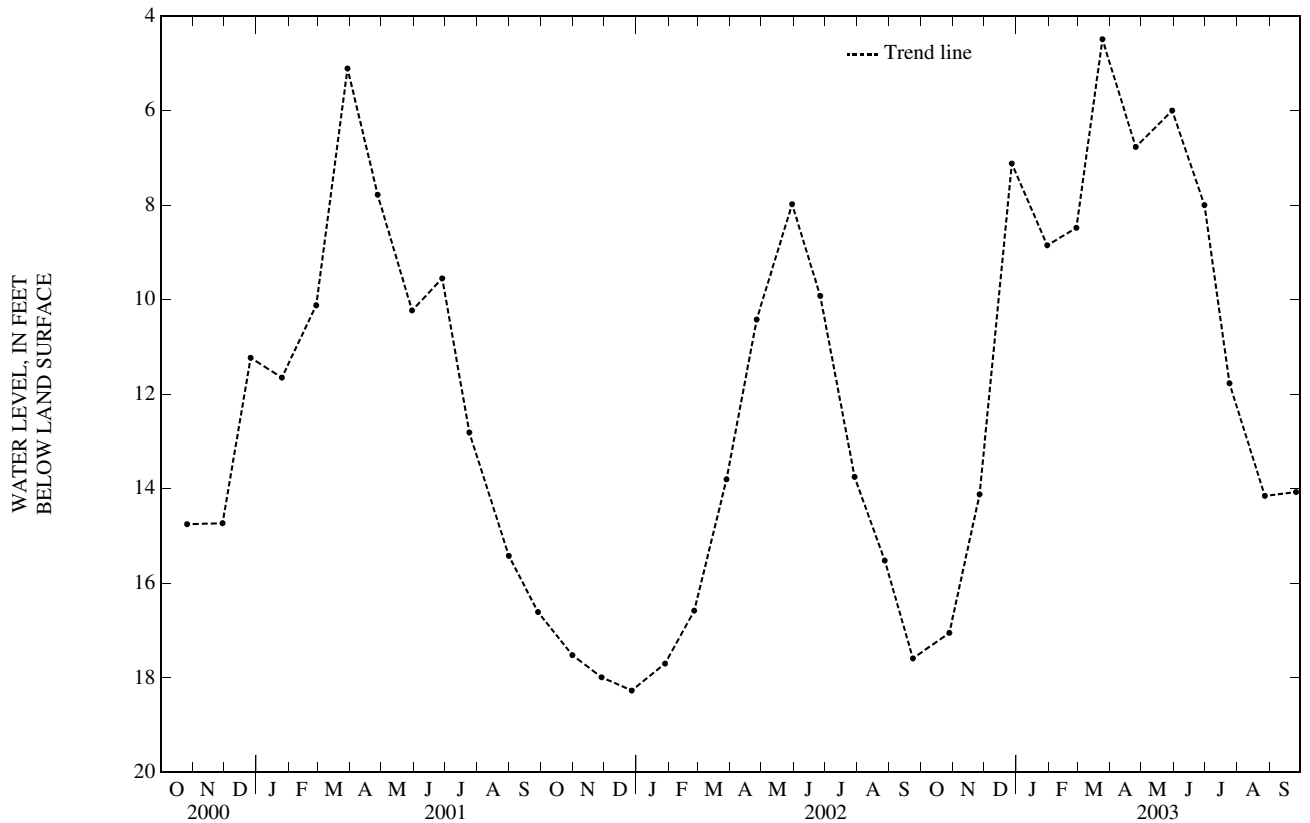
DATUM.--Elevation of land-surface datum is 515 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.0 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	17.05	DEC 27	7.12	FEB 27	8.48	APR 25	6.77	JUN 30	8.00	AUG 27	14.15
NOV 26	14.12	JAN 30	8.85	MAR 24	4.49	MAY 30	6.00	JUL 24	11.77	SEP 26	14.07
WATER YEAR 2003 HIGHEST 4.49 MAR 24, 2003		LOWEST 17.05 OCT 28, 2002									



GROUND-WATER LEVELS
HARTFORD COUNTY—Continued

413518072264501. Local Number, MB 36.

LOCATION.--Lat 41° 35'18", long 72° 26'45", Hydrologic Unit 01080205, Ogden Lord Rd., 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.

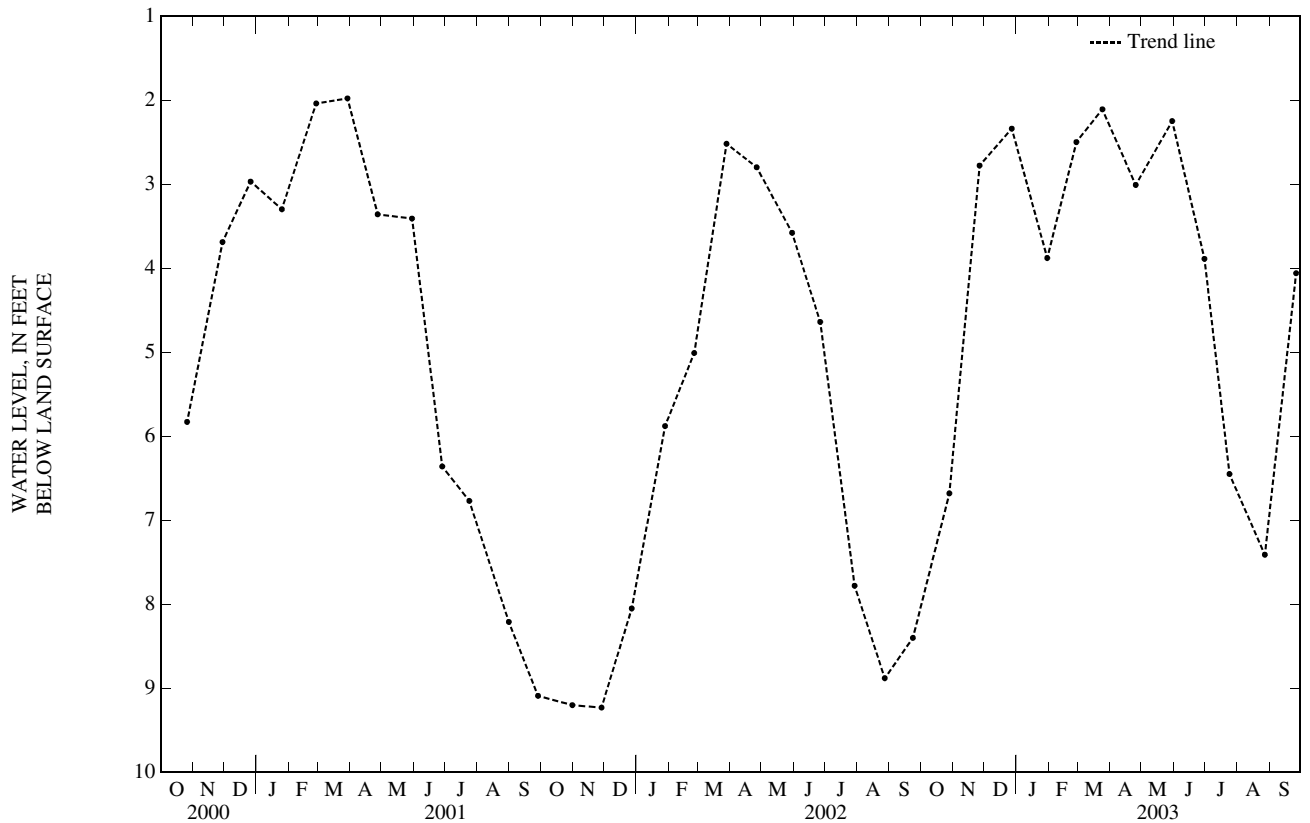
DATUM.--Elevation of land-surface datum is 485 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.50 ft above land-surface datum.

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, Sept. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.68	DEC 27	2.34	FEB 27	2.50	APR 25	3.01	JUN 30	3.89	AUG 27	7.41
NOV 26	2.78	JAN 30	3.88	MAR 24	2.11	MAY 30	2.25	JUL 24	6.45	SEP 26	4.06
WATER YEAR 2003		HIGHEST	2.11	MAR 24, 2003	LOWEST	7.41	AUG 27, 2003				



HARTFORD COUNTY—Continued

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. Additional measurements made March to May 2002 due to drought conditions. 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.

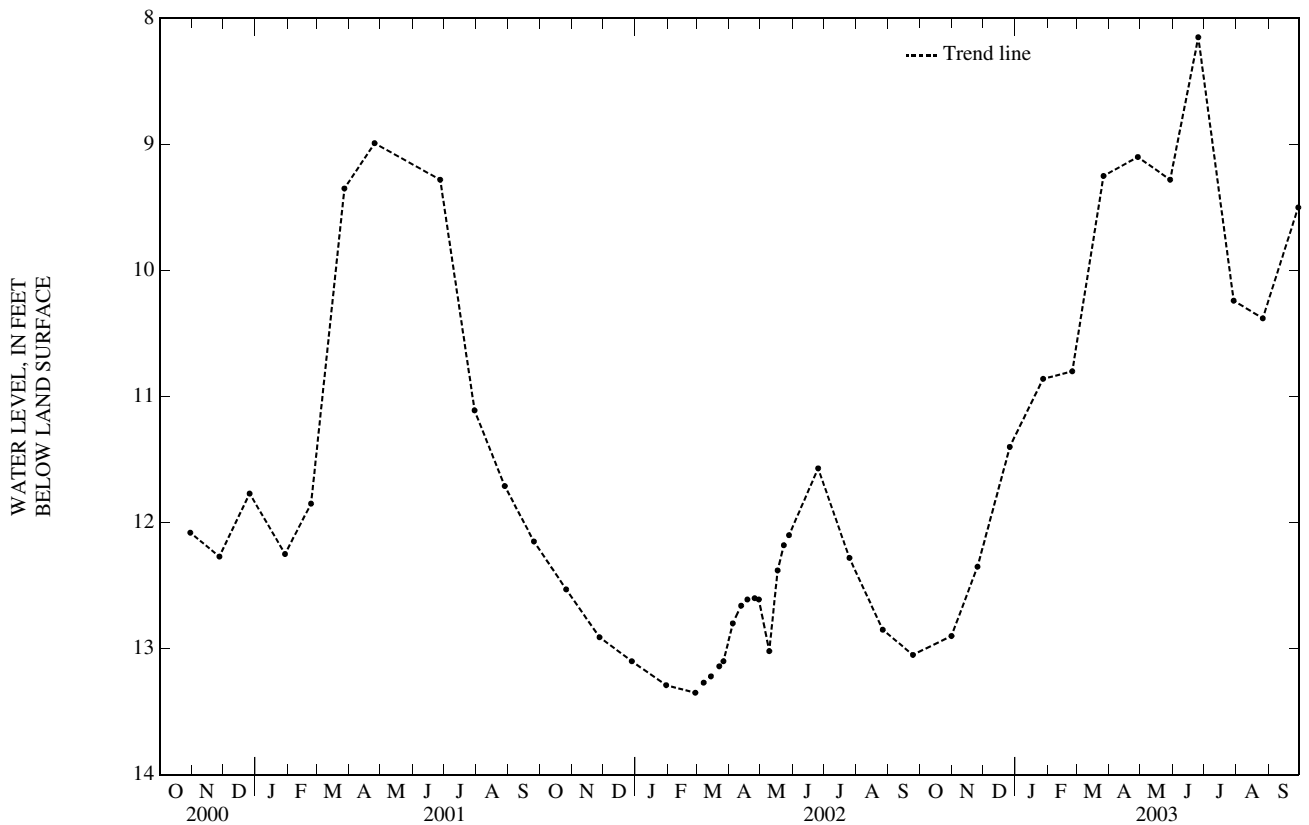
PERIOD OF RECORD.--October 1934 to September 1939 and October 1948 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	12.90	DEC 26	11.40	FEB 24	10.80	APR 28	9.10	JUN 25	8.15	AUG 26	10.38
NOV 25	12.35	JAN 27	10.86	MAR 26	9.25	MAY 29	9.28	JUL 29	10.24	SEP 29	9.50

WATER YEAR 2003 HIGHEST 8.15 JUN 25, 2003 LOWEST 12.90 OCT 31, 2002



GROUND-WATER LEVELS

LITCHFIELD COUNTY

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. Additional measurements made March to May 2002 due to drought conditions.

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.

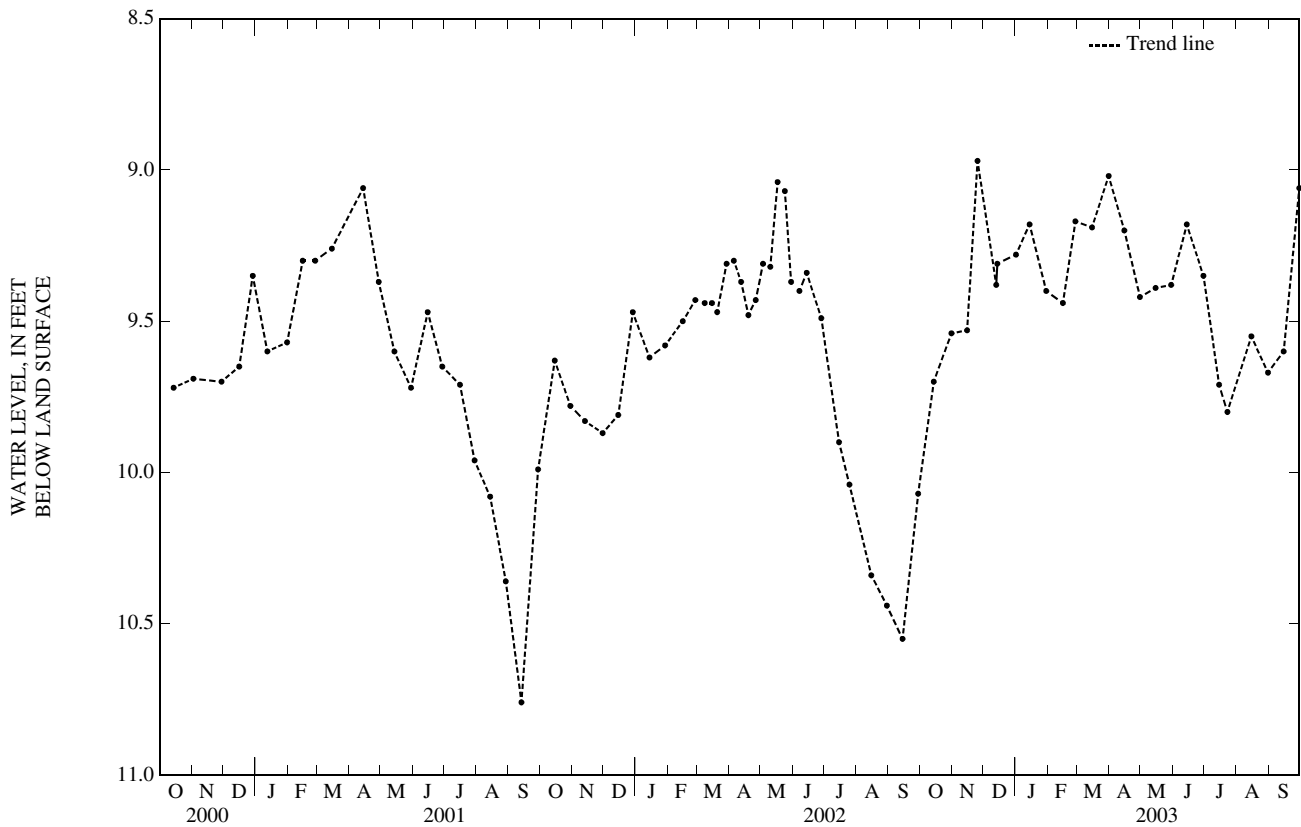
PERIOD OF RECORD.--August 1958 to current year.

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 Sept. 15, 29 and Oct. 6, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	9.70	DEC 14	9.31	FEB 27	9.17	MAY 15	9.39	JUL 23	9.80
31	9.54	JAN 01	9.28	MAR 15	9.19	30	9.38	AUG 15	9.55
NOV 15	9.53	14	9.18	31	9.02	JUN 14	9.18	31	9.67
25	8.97	30	9.40	APR 15	9.20	30	9.35	SEP 15	9.60
DEC 13	9.38	FEB 15	9.44	30	9.42	JUL 15	9.71	30	9.06

WATER YEAR 2003 HIGHEST 8.97 NOV 25, 2002 LOWEST 9.80 JUL 23, 2003



LITCHFIELD COUNTY—Continued

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 24.4 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.

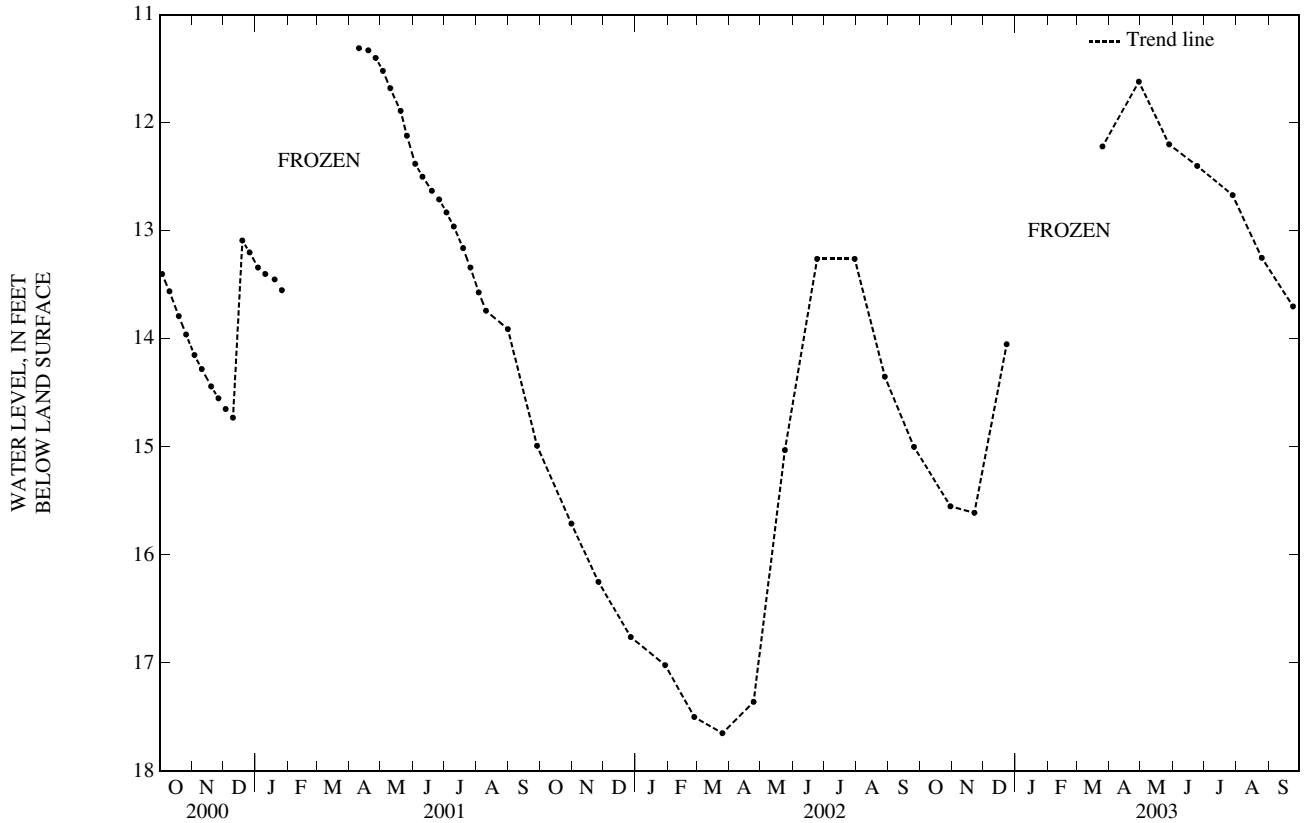
PERIOD OF RECORD.--December 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, Mar. 28, 1993; lowest water level measured, 17.65 ft below land-surface datum, Mar. 25, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	15.55	DEC 23	14.05	FEB 25	FROZEN	APR 29	11.62	JUN 24	12.40	AUG 25	13.25
NOV 22	15.61	JAN 29	FROZEN	MAR 25	12.22	MAY 28	12.20	JUL 28	12.67	SEP 24	13.70

WATER YEAR 2003 HIGHEST 11.62 APR 29, 2003 LOWEST 15.61 NOV 22, 2002



GROUND-WATER LEVELS
LITCHFIELD COUNTY—Continued

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.

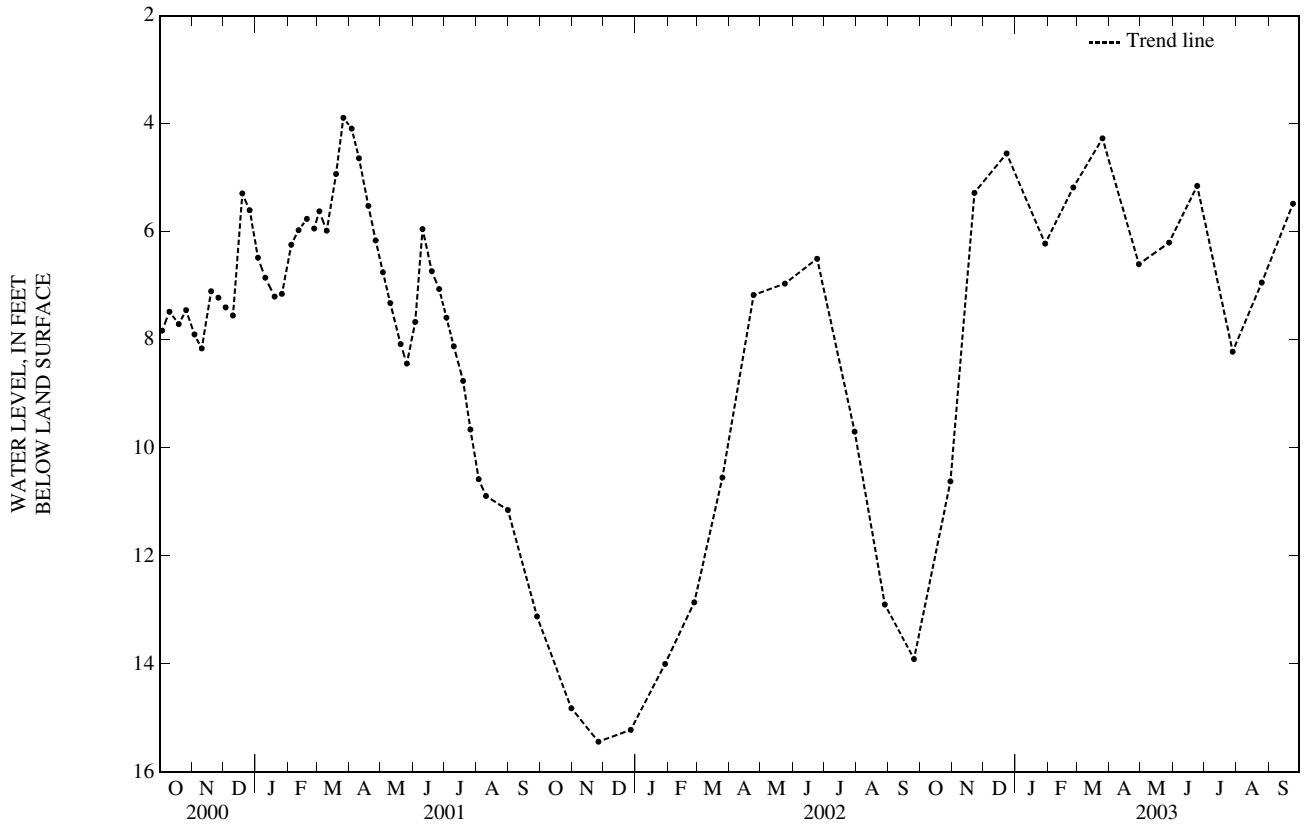
PERIOD OF RECORD.--December 1987 to current year.

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, Sept. 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	10.62	DEC 23	4.55	FEB 25	5.18	APR 29	6.60	JUN 24	5.15	AUG 25	6.94
NOV 22	5.28	JAN 29	6.22	MAR 25	4.27	MAY 28	6.20	JUL 28	8.22	SEP 24	5.48

WATER YEAR 2003 HIGHEST 4.27 MAR 25, 2003 LOWEST 10.62 OCT 30, 2002



LITCHFIELD COUNTY—Continued

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, between hacksaw marks, 2.00 ft above land-surface datum.

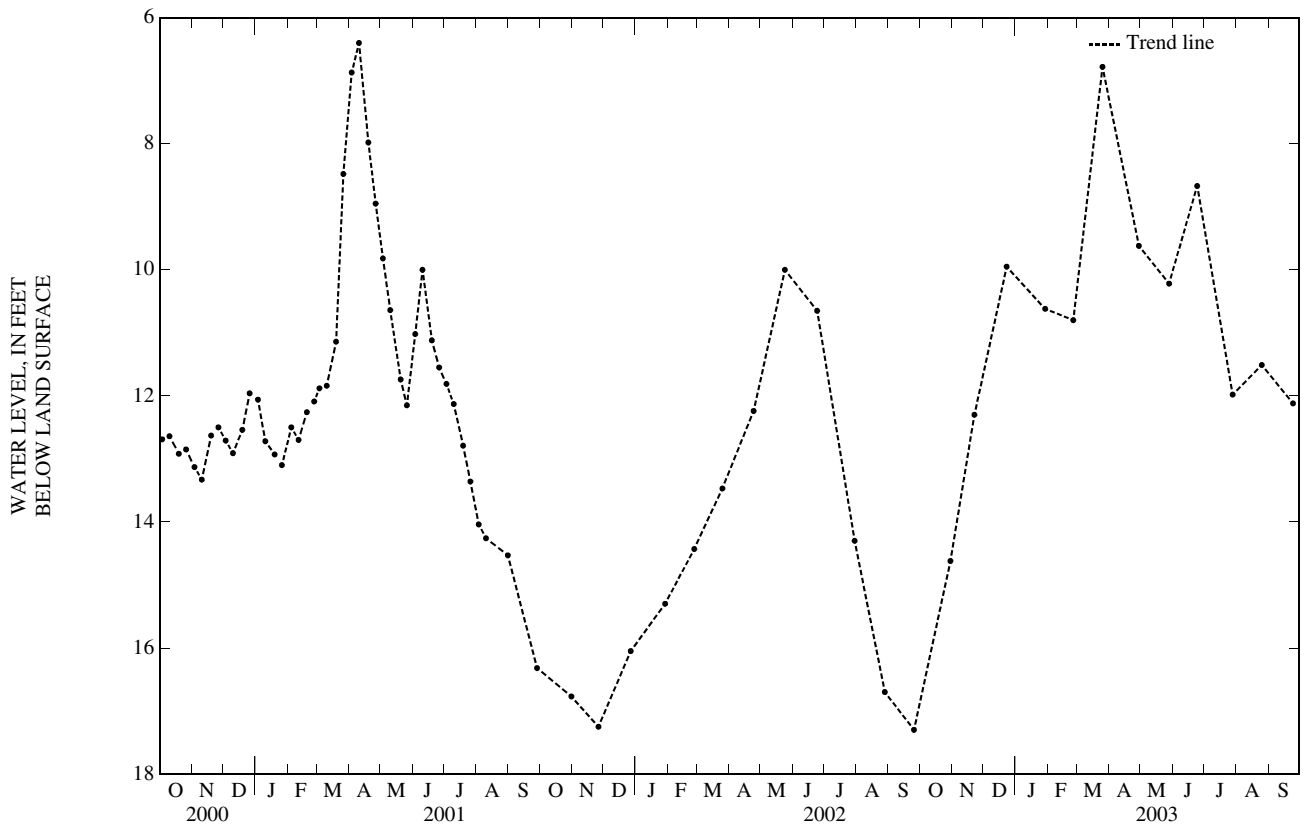
PERIOD OF RECORD.--December 1986 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	14.62	DEC 23	9.95	FEB 25	10.80	APR 29	9.62	JUN 24	8.67	AUG 25	11.51
NOV 22	12.30	JAN 29	10.62	MAR 25	6.78	MAY 28	10.22	JUL 28	11.98	SEP 24	12.12

WATER YEAR 2003 HIGHEST 6.78 MAR 25, 2003 LOWEST 14.62 OCT 30, 2002



GROUND-WATER LEVELS
LITCHFIELD COUNTY—Continued

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. Additional measurements made March to September 2002 due to drought conditions. 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.

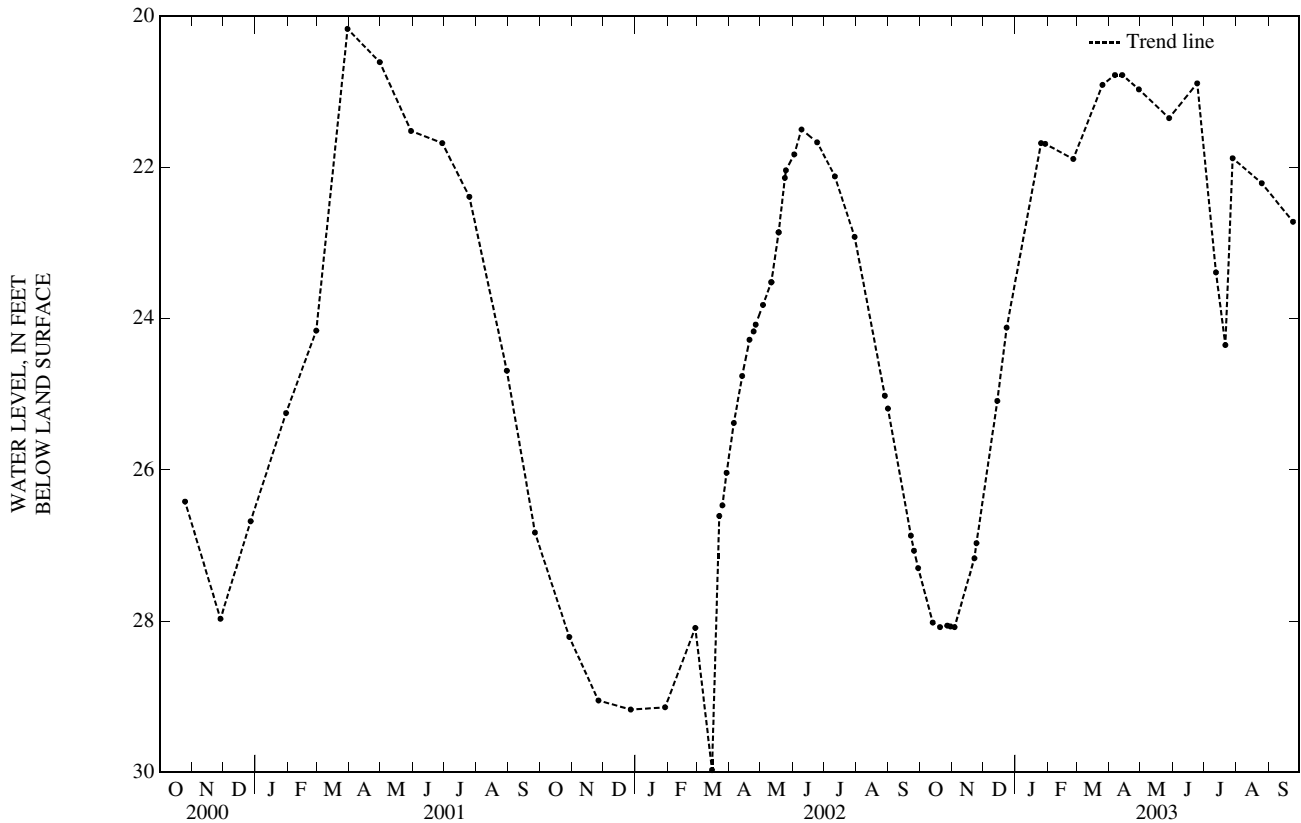
REMARKS.--Water level data available October 1913 through December 1916, not included in period of record due to lack of documentation of measuring point height.

PERIOD OF RECORD.--January 1917 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	28.02	NOV 03	28.08	DEC 23	24.12	MAR 25	20.91	MAY 28	21.35	JUL 28	21.88
20	28.08	22	27.17	JAN 25	21.68	APR 06	20.78	JUN 24	20.89	AUG 25	22.21
27	28.06	24	26.97	29	21.69	13	20.78	JUL 12	23.39	SEP 24	22.72
30	28.07	DEC 14	25.09	FEB 25	21.89	29	20.97	21	24.35		
WATER YEAR 2003 HIGHEST		20.78	APR 06, 2003		APR 13, 2003	LOWEST		28.08	OCT 20, 2002		



MIDDLESEX COUNTY

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.

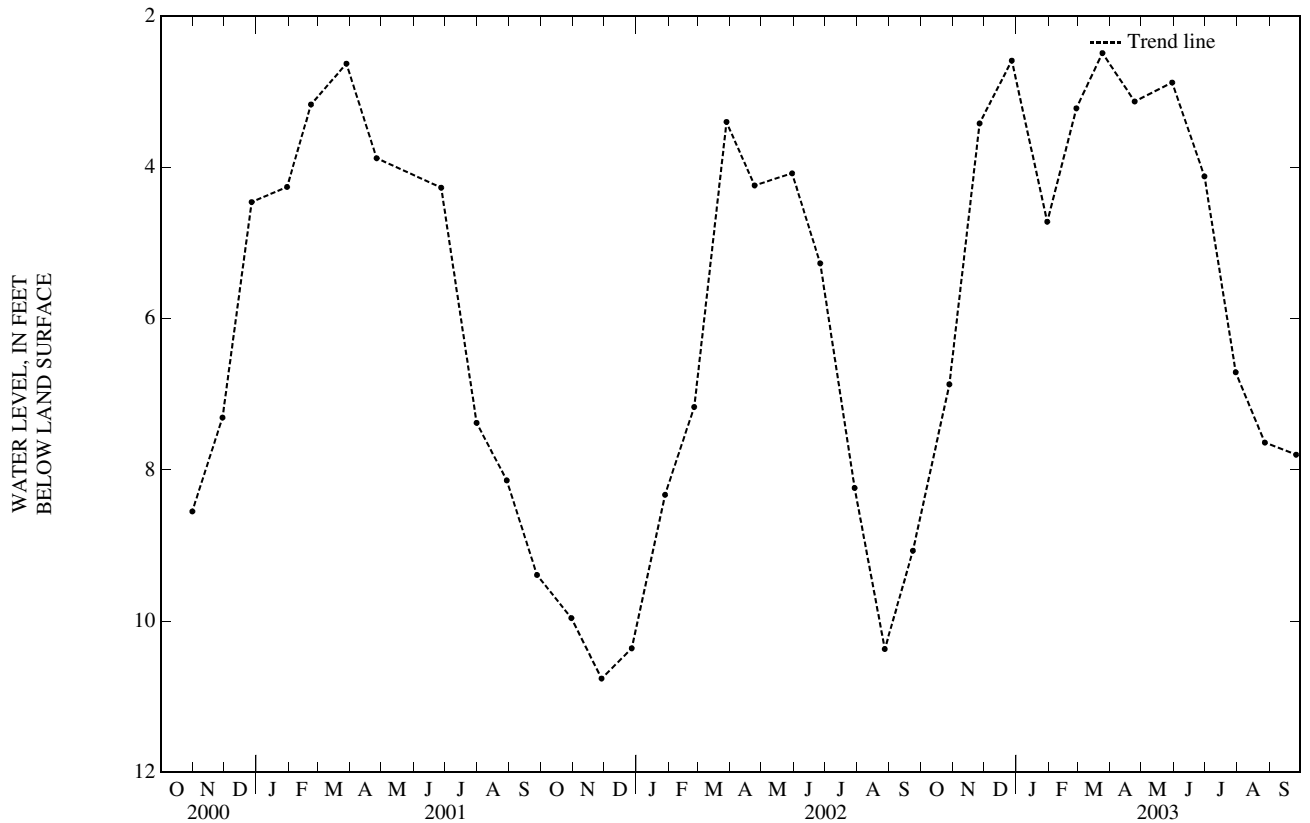
DATUM.--Elevation of land-surface datum is 205 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.08 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.87	DEC 27	2.59	FEB 27	3.22	APR 24	3.13	JUN 30	4.12	AUG 27	7.64
NOV 26	3.42	JAN 30	4.72	MAR 24	2.49	MAY 30	2.88	JUL 30	6.71	SEP 26	7.80
WATER YEAR 2003		HIGHEST	2.49	MAR 24, 2003		LOWEST	7.80	SEP 26, 2003			



GROUND-WATER LEVELS
MIDDLESEX COUNTY—Continued

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.

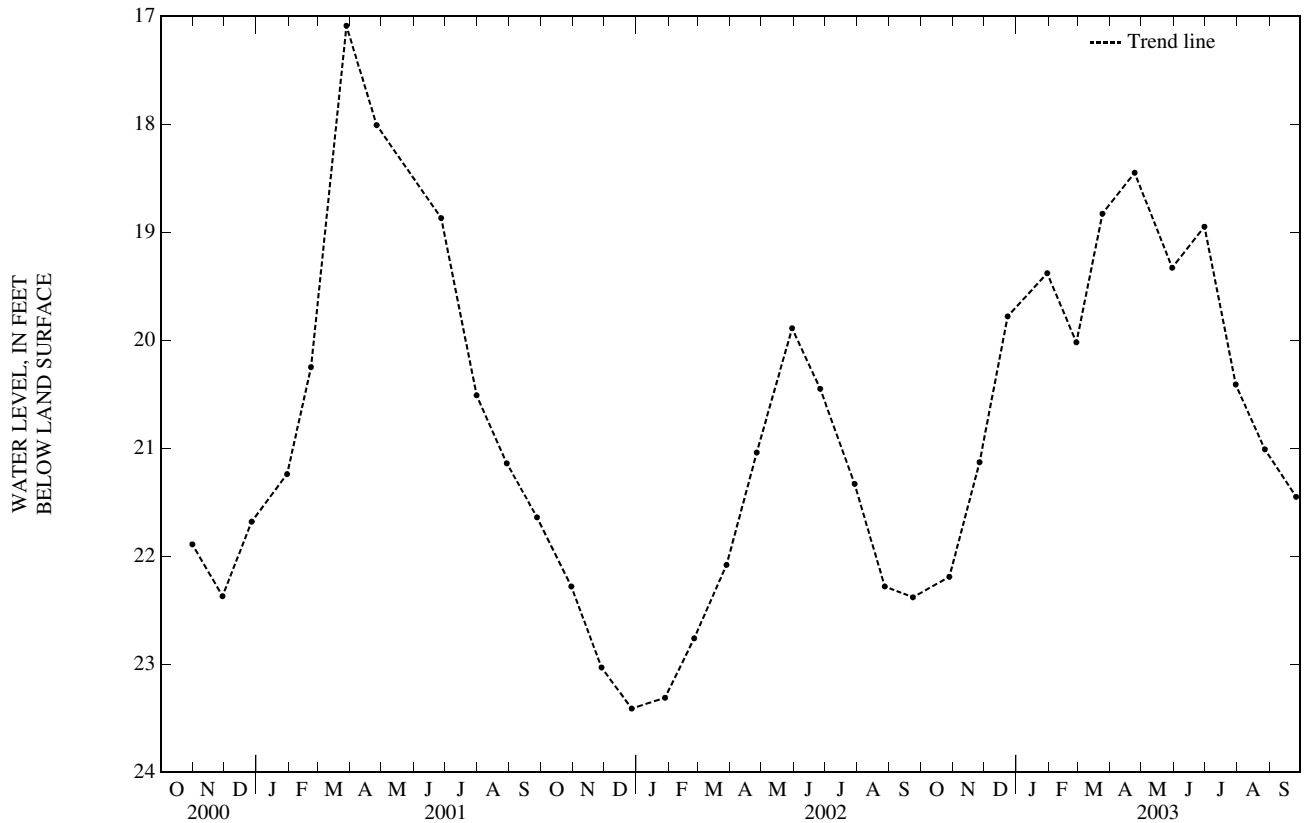
DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 0.57 ft above land-surface datum.

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, 23.41 ft below land-surface datum, Dec. 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	22.19	DEC 23	19.78	FEB 27	20.02	APR 24	18.45	JUN 30	18.95	AUG 27	21.01
NOV 26	21.13	JAN 30	19.38	MAR 24	18.83	MAY 30	19.33	JUL 30	20.41	SEP 26	21.45
WATER YEAR 2003 HIGHEST 18.45 APR 24, 2003		LOWEST 22.19 OCT 28, 2002									



MIDDLESEX COUNTY—Continued

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 Rt. 81, well is 200 ft east of Rt. 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.

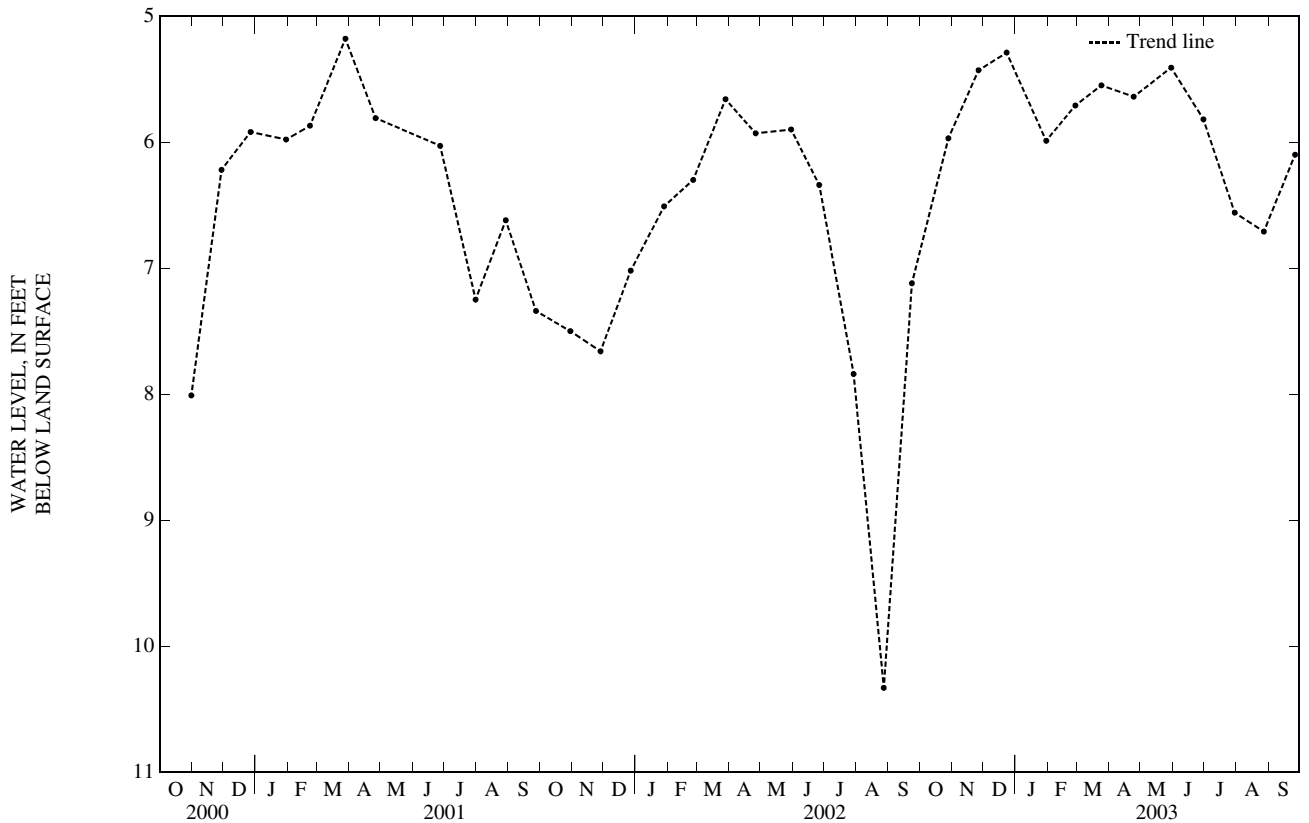
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.88 ft above land-surface datum.

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, Sept. 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.97	DEC 23	5.29	FEB 27	5.71	APR 24	5.64	JUN 30	5.82	AUG 27	6.71
NOV 26	5.43	JAN 30	5.99	MAR 24	5.55	MAY 30	5.41	JUL 30	6.56	SEP 26	6.10
WATER YEAR 2003 HIGHEST 5.29 DEC 23, 2002		LOWEST 6.71 AUG 27, 2003									



GROUND-WATER LEVELS
MIDDLESEX COUNTY—Continued

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 Rt. 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 23.0 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.

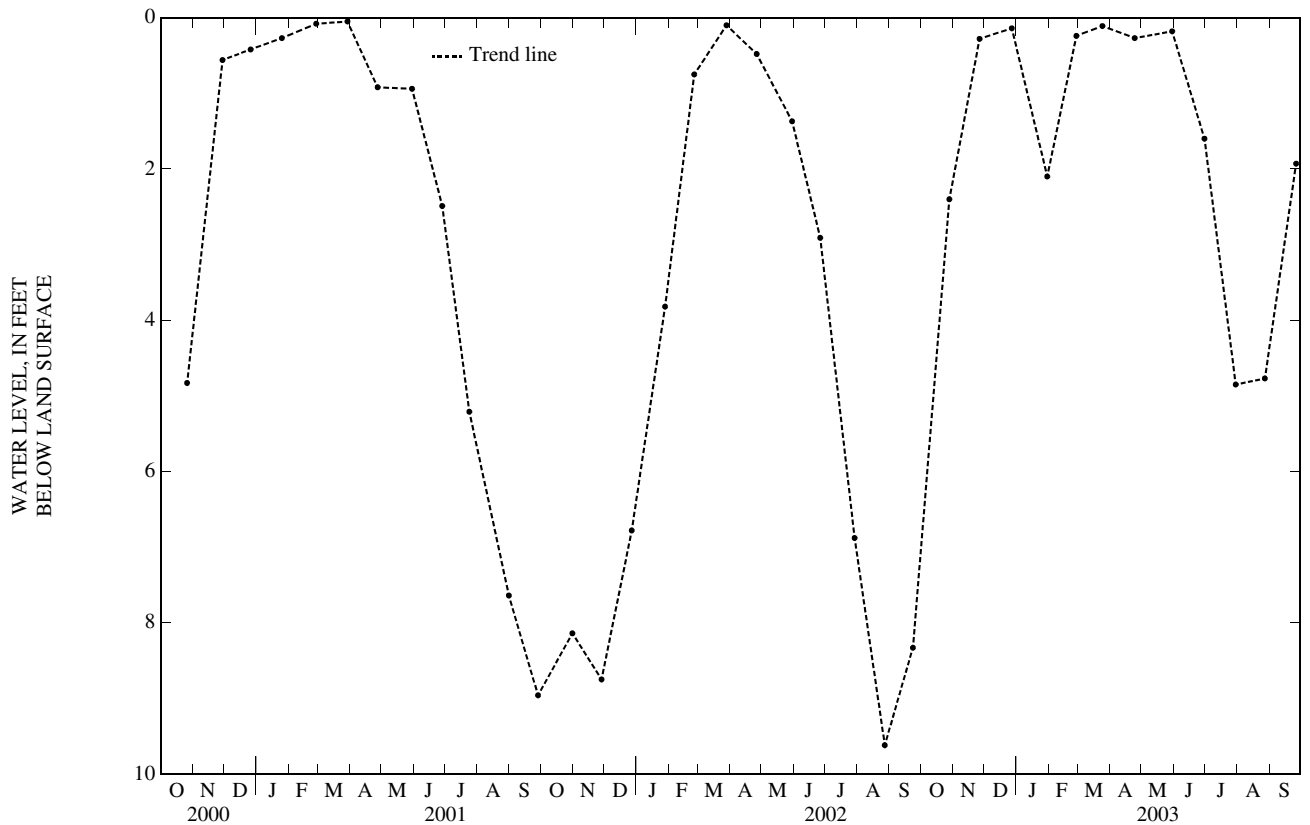
DATUM.--Elevation of land-surface datum is 241 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.27 ft above land-surface datum.

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, Sept. 10, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.40	DEC 27	.14	FEB 27	.24	APR 24	.27	JUN 30	1.60	AUG 27	4.77
NOV 26	.28	JAN 30	2.10	MAR 24	.11	MAY 30	.18	JUL 30	4.85	SEP 26	1.93
WATER YEAR 2003 HIGHEST		0.11	MAR 24, 2003		LOWEST		4.85	JUL 30, 2003			



MIDDLESEX COUNTY—Continued

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 21.0 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.

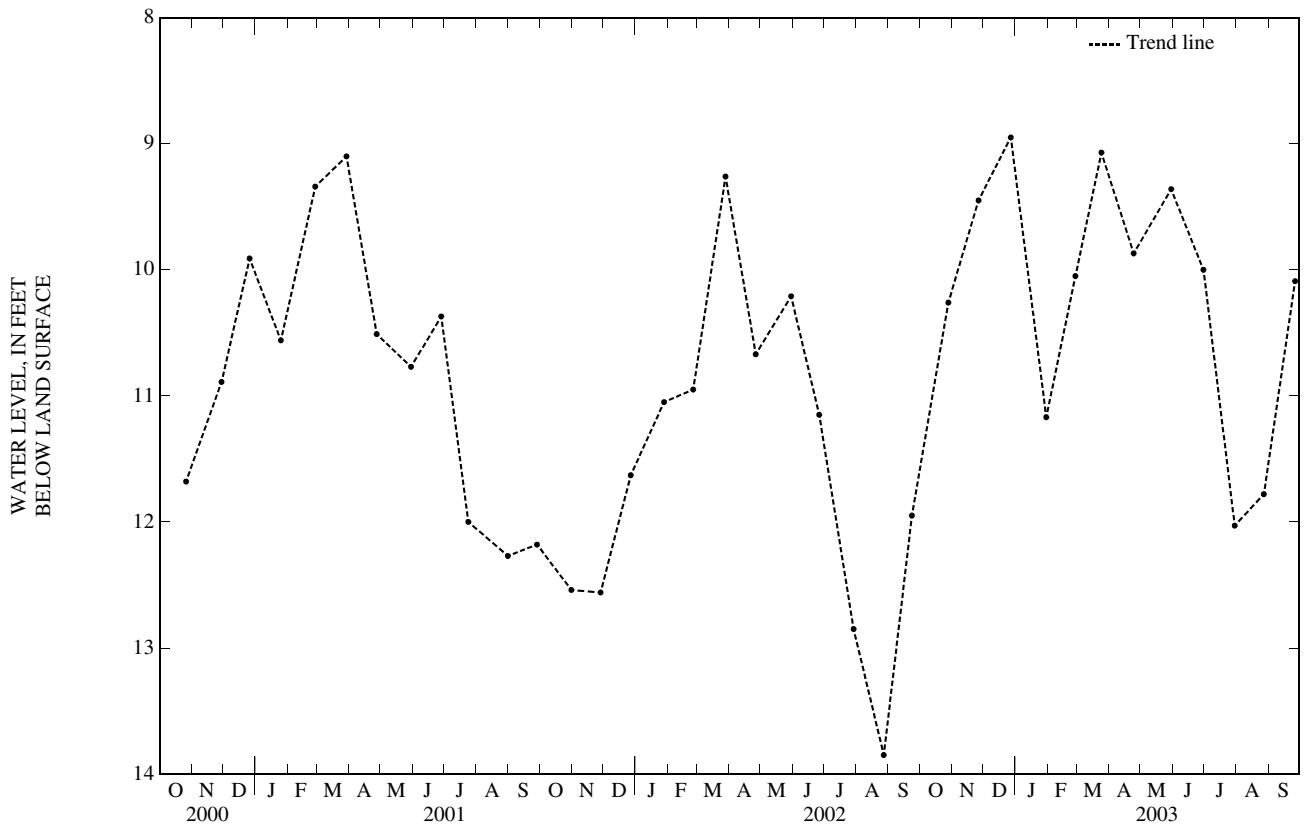
PERIOD OF RECORD.--January 1986 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	10.26	DEC 27	8.95	FEB 27	10.05	APR 24	9.87	JUN 30	10.00	AUG 27	11.78
NOV 26	9.45	JAN 30	11.17	MAR 24	9.07	MAY 30	9.36	JUL 30	12.03	SEP 26	10.09

WATER YEAR 2003 HIGHEST 8.95 DEC 27, 2002 LOWEST 12.03 JUL 30, 2003



GROUND-WATER LEVELS
MIDDLESEX COUNTY—Continued

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.

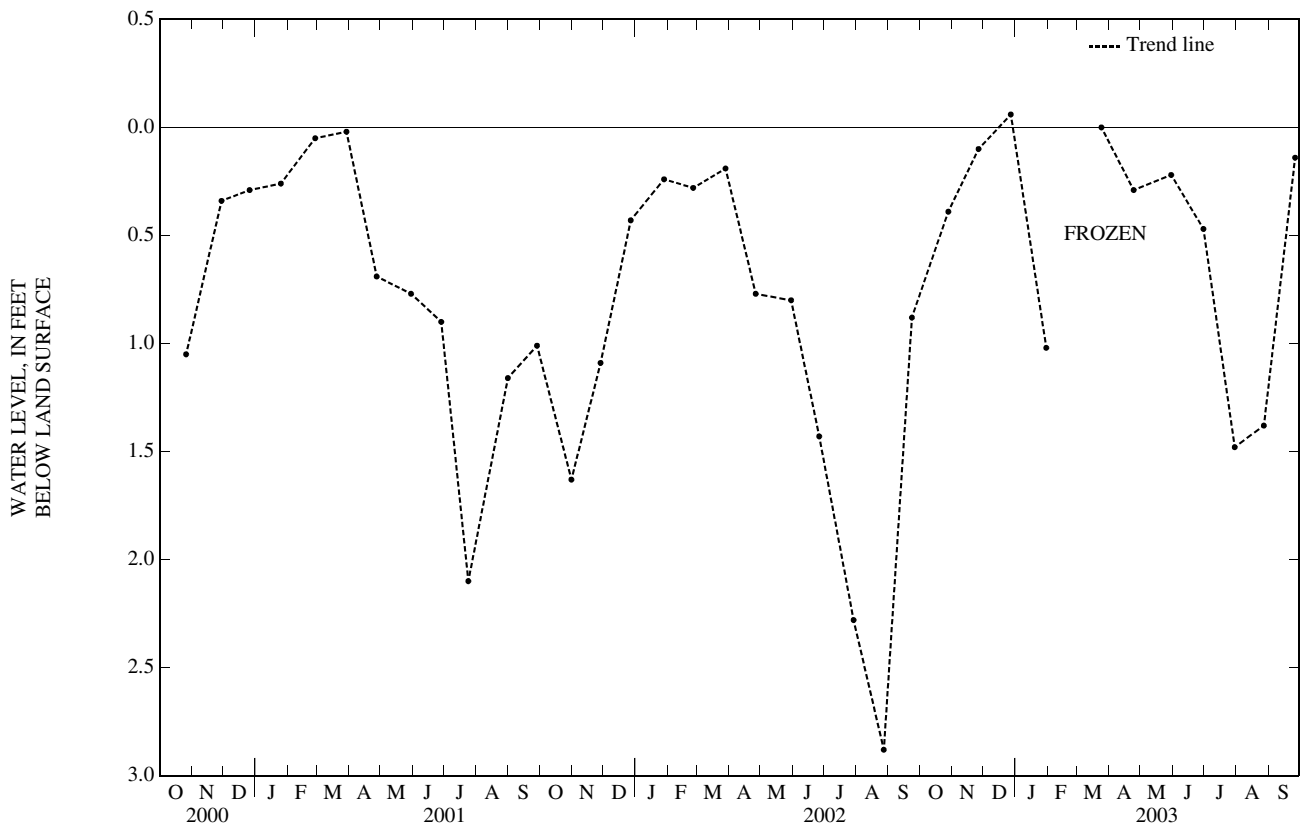
PERIOD OF RECORD.--January 1986 to current year.

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 (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	.39	DEC 27	+0.06	FEB 27	FROZEN	APR 24	.29	JUN 30	.47	AUG 27	1.38
NOV 26	.10	JAN 30	1.02	MAR 24	.00	MAY 30	.22	JUL 30	1.48	SEP 26	.14

WATER YEAR 2003 HIGHEST +0.06 DEC 27, 2002 LOWEST 1.48 JUL 30, 2003



MIDDLESEX COUNTY—Continued

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.

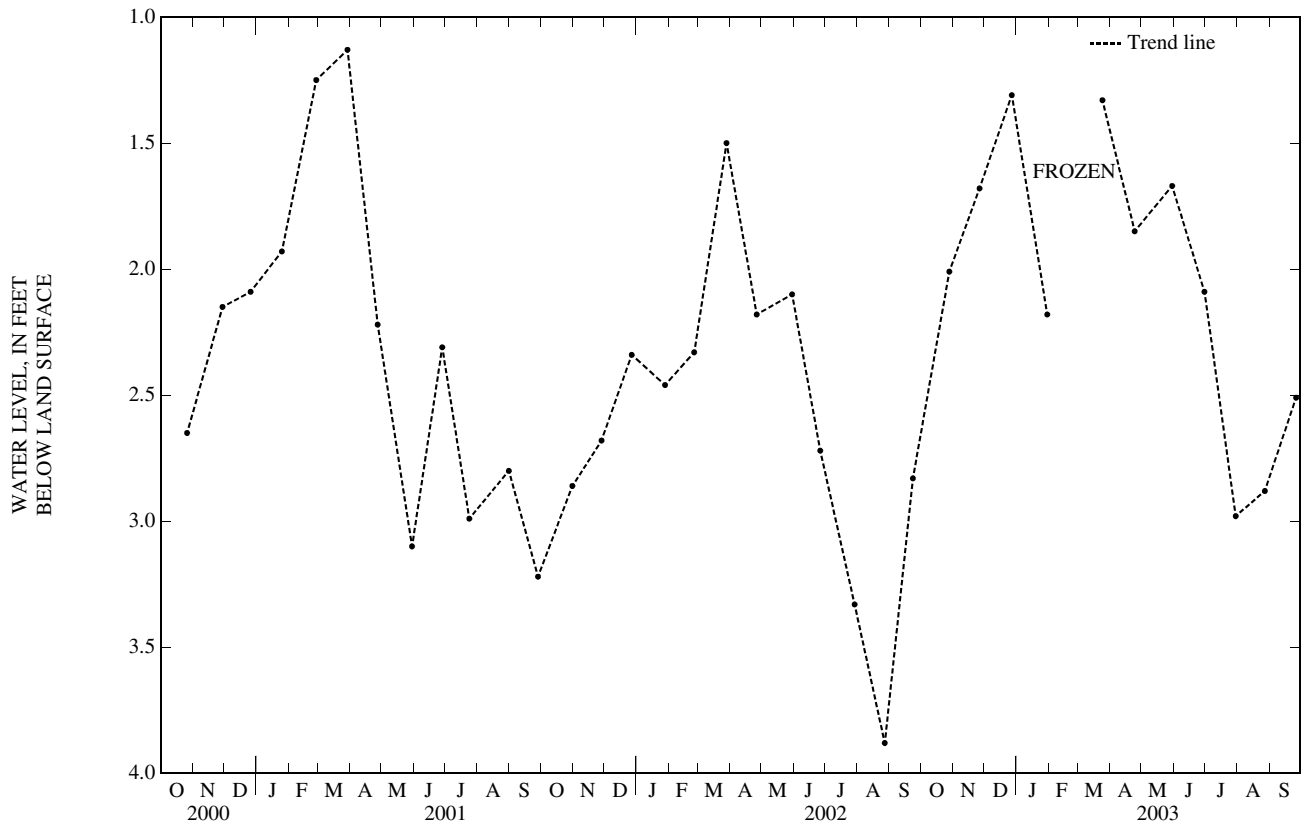
REMARKS.--Deep, northern well of pair.

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, Sept. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	2.01	DEC 27	1.31	FEB 27	FROZEN	APR 24	1.85	JUN 30	2.09	AUG 27	2.88
NOV 26	1.68	JAN 30	2.18	MAR 24	1.33	MAY 30	1.67	JUL 30	2.98	SEP 26	2.51
WATER YEAR 2003 HIGHEST		1.31	DEC 27, 2002		LOWEST		2.98	JUL 30, 2003			



GROUND-WATER LEVELS
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.

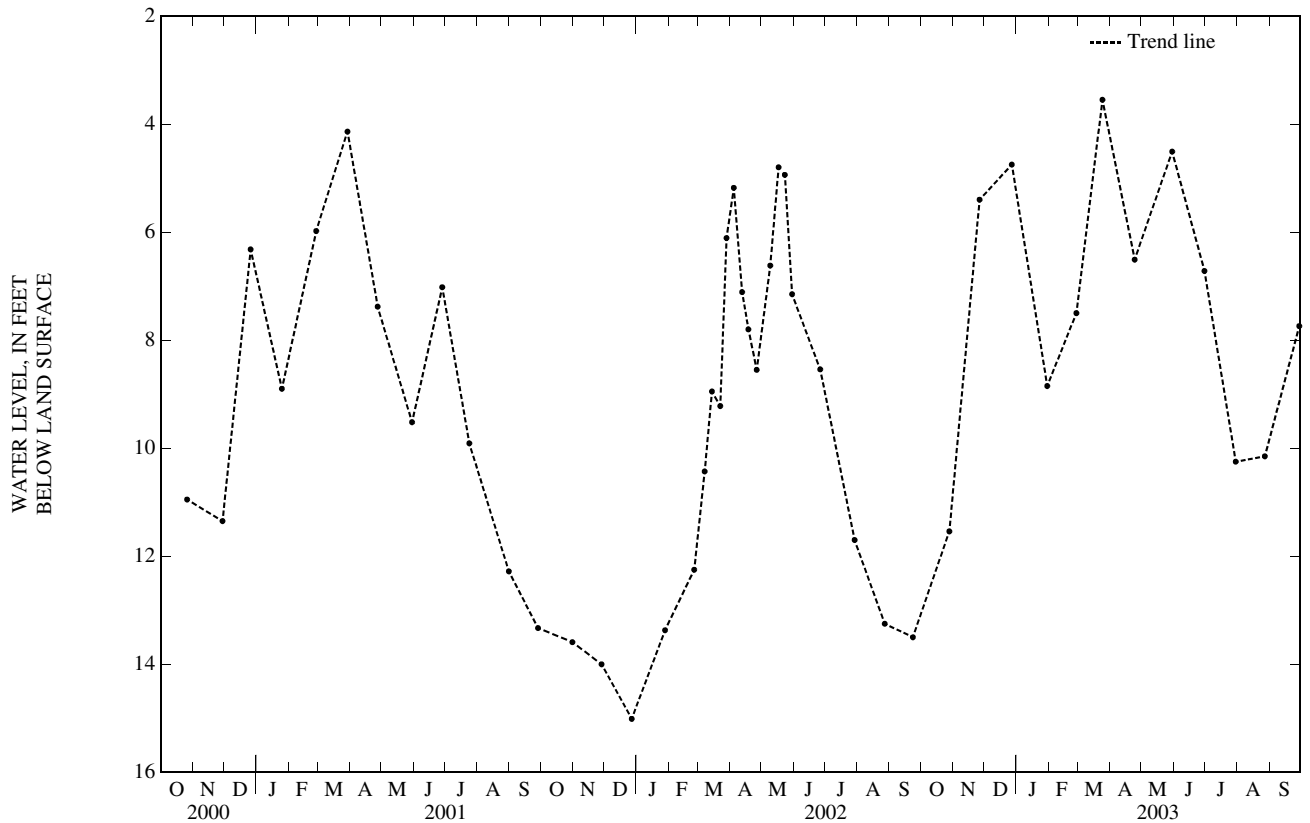
DATUM.--Elevation of land-surface datum is 250 ft above sea level, from topographic map. Measuring point: Bottom of flagstone cover at orange paint mark, north side at land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	11.54	DEC 27	4.75	FEB 27	7.50	APR 24	6.51	JUN 30	6.72	AUG 27	10.15
NOV 26	5.40	JAN 30	8.85	MAR 24	3.55	MAY 30	4.51	JUL 30	10.25	SEP 29	7.74
WATER YEAR 2003 HIGHEST 3.55 MAR 24, 2003		LOWEST 11.54 OCT 28, 2002									



MIDDLESEX COUNTY—Continued

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, Conn.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 24 in, depth 26.2 ft, fieldstone-lined, 2-in. PVC well casing with slotted screen 21.2 to 26.2 ft. Prior to well modification on October 24, 1995, depth was 27.6 ft.

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. Additional measurements made March to May 2002 due to drought conditions. 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 between two hacksaw marks, at land-surface datum.

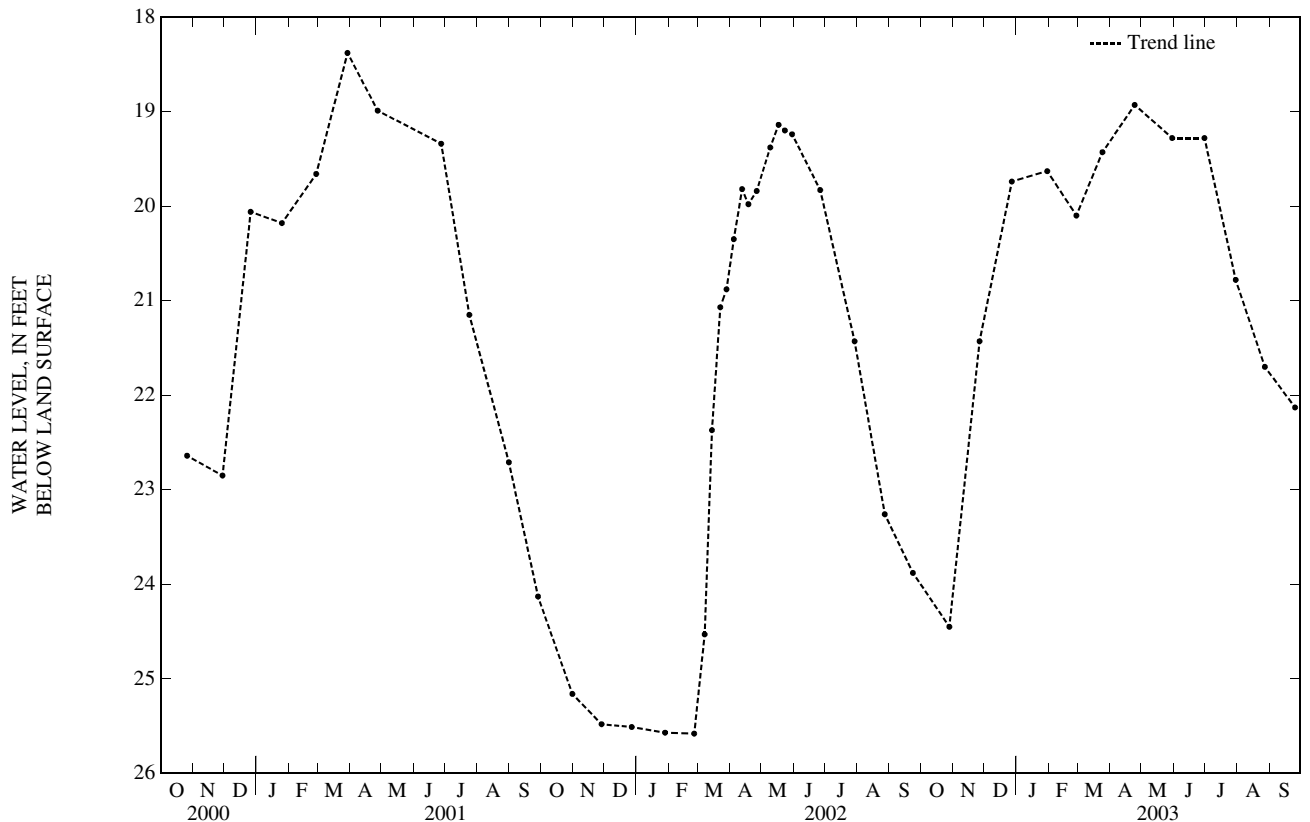
REMARKS.--Correction factor of 2.63 ft applied to measurements to correct to former land-surface elevation prior to modification on October 24, 1995.

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 27.6 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	24.45	DEC 27	19.74	FEB 27	20.10	APR 24	18.93	JUN 30	19.28	AUG 27	21.70
NOV 26	21.43	JAN 30	19.63	MAR 24	19.43	MAY 30	19.28	JUL 30	20.78	SEP 25	22.13
WATER YEAR 2003 HIGHEST 18.93		APR 24, 2003		LOWEST 24.45		OCT 28, 2002					



GROUND-WATER LEVELS

NEW HAVEN COUNTY

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, between hacksaw marks, 1.80 ft above land-surface datum.

REMARKS.--Water level records missing from May 1996 through May 1997.

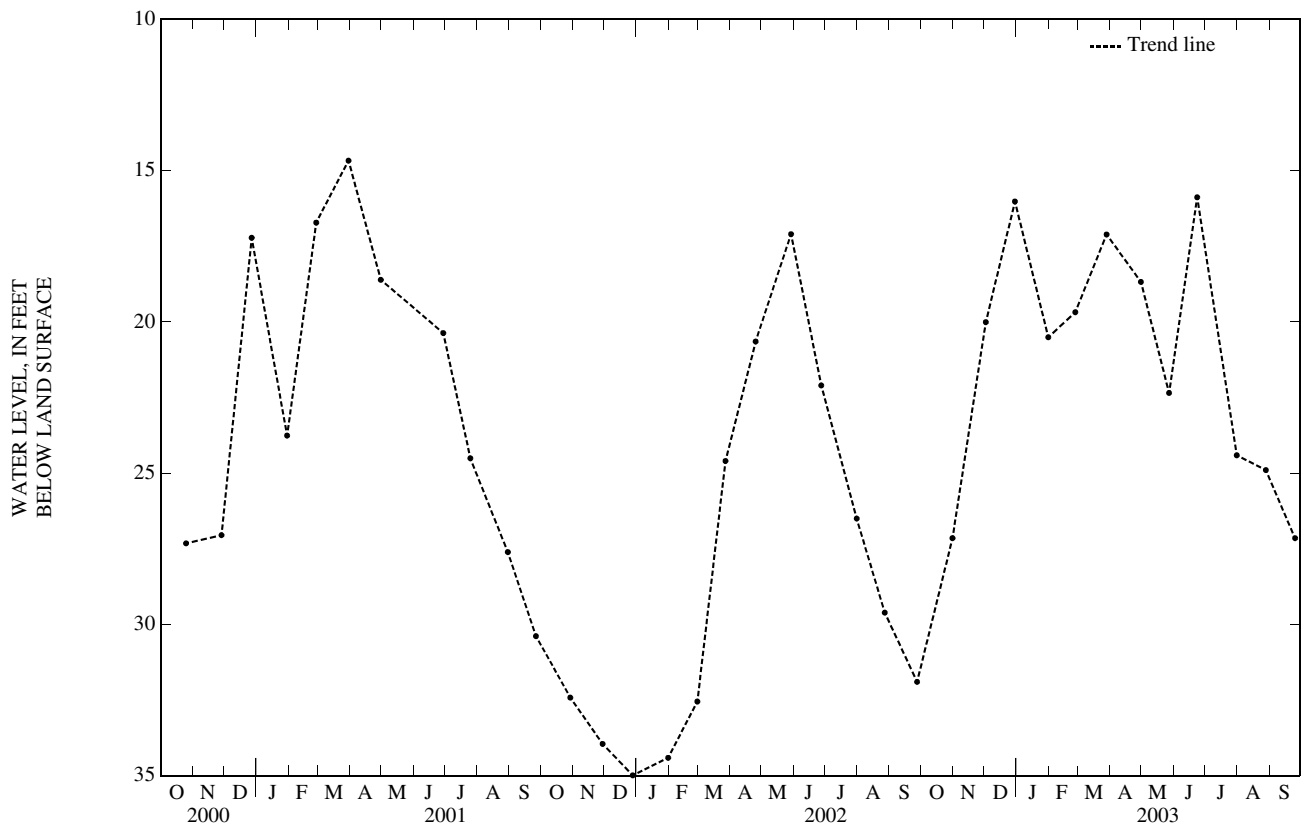
PERIOD OF RECORD.--July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.05 ft below land-surface datum, Feb. 26, 1998; lowest water level measured, 34.99 ft below land-surface datum, Dec. 28, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	27.15	DEC 30	16.02	FEB 26	19.68	APR 30	18.68	JUN 23	15.88	AUG 28	24.90
DEC 02	20.01	JAN 31	20.51	MAR 28	17.11	MAY 27	22.35	JUL 31	24.41	SEP 25	27.15

WATER YEAR 2003 HIGHEST 15.88 JUN 23, 2003 LOWEST 27.15 OCT 31, 2002 SEP 25, 2003



NEW HAVEN COUNTY—Continued

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, between hacksaw marks, 1.60 ft above land-surface datum.

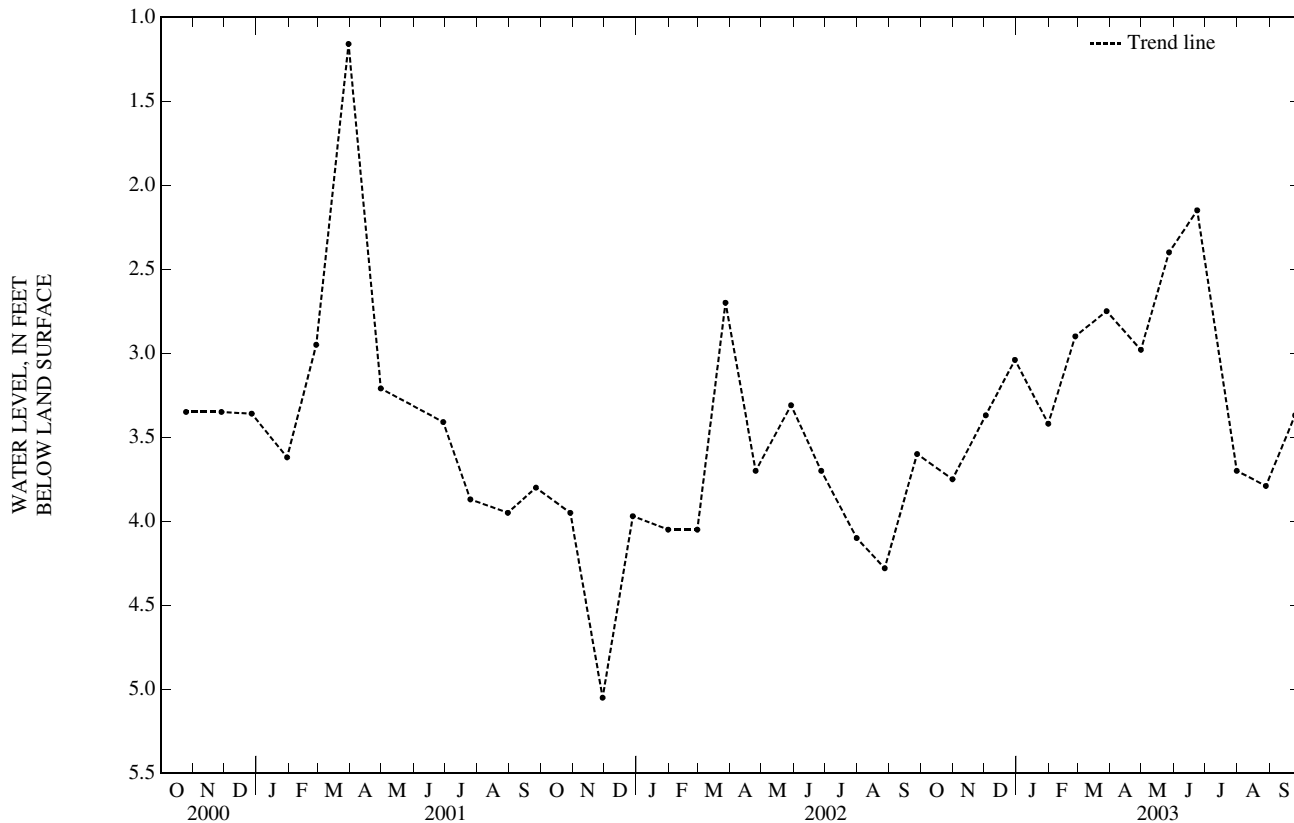
REMARKS.--Northern, shallow well of pair. Water level records missing from May 1996 through May 1997.

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, 5.05 ft below land-surface datum, Nov. 29, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	3.75	DEC 30	3.04	FEB 26	2.90	APR 30	2.98	JUN 23	2.15	AUG 28	3.79
DEC 02	3.37	JAN 31	3.42	MAR 28	2.75	MAY 27	2.40	JUL 31	3.70	SEP 25	3.37
WATER YEAR 2003 HIGHEST		2.15	JUN 23, 2003		LOWEST		3.79	AUG 28, 2003			



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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, between hacksaw marks, 1.60 ft above land-surface datum.

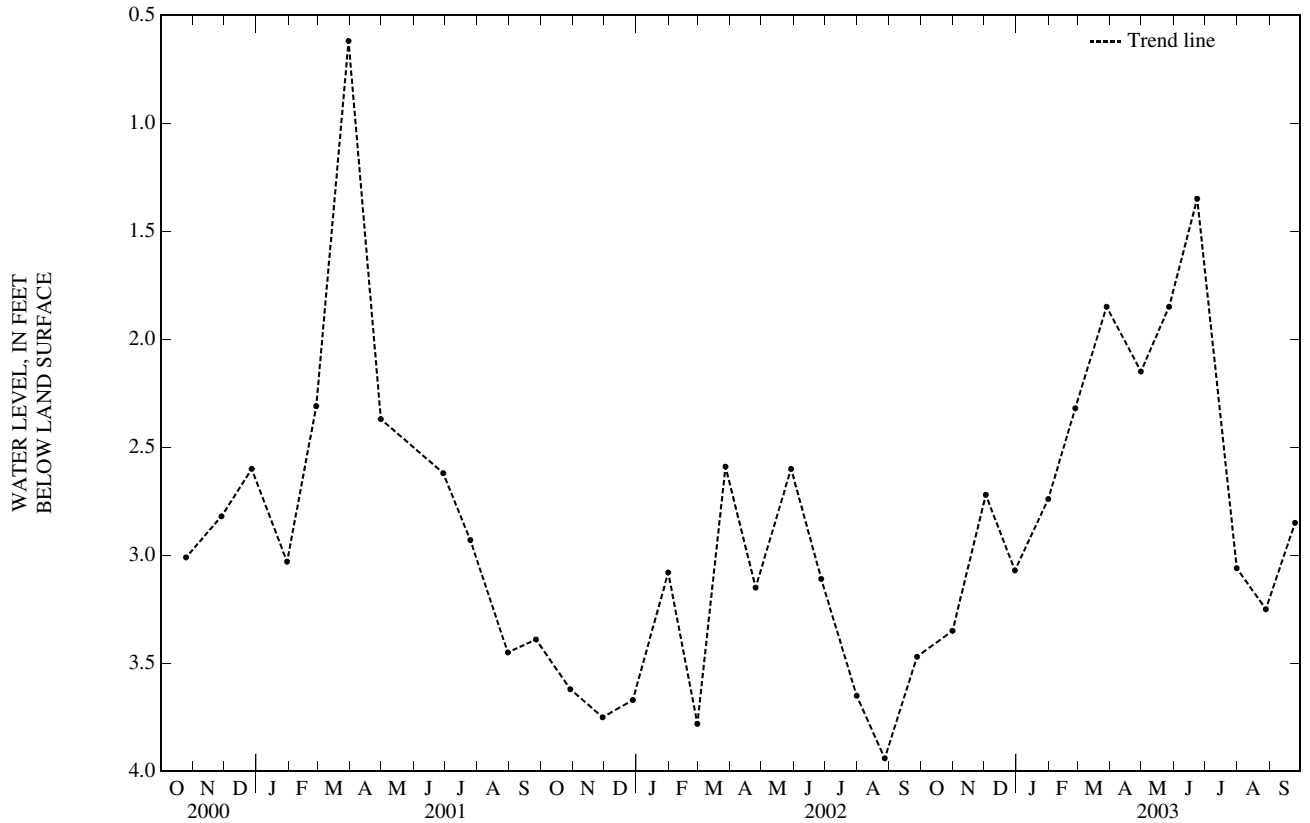
REMARKS.--Southern, deeper well of pair. Water level records missing from May 1996 through May 1997.

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, Sept. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	3.35	DEC 30	3.07	FEB 26	2.32	APR 30	2.15	JUN 23	1.35	AUG 28	3.25
DEC 02	2.72	JAN 31	2.74	MAR 28	1.85	MAY 27	1.85	JUL 31	3.06	SEP 25	2.85
WATER YEAR 2003 HIGHEST		1.35	JUN 23, 2003		LOWEST		3.35	OCT 31, 2002			



NEW HAVEN COUNTY—Continued

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.

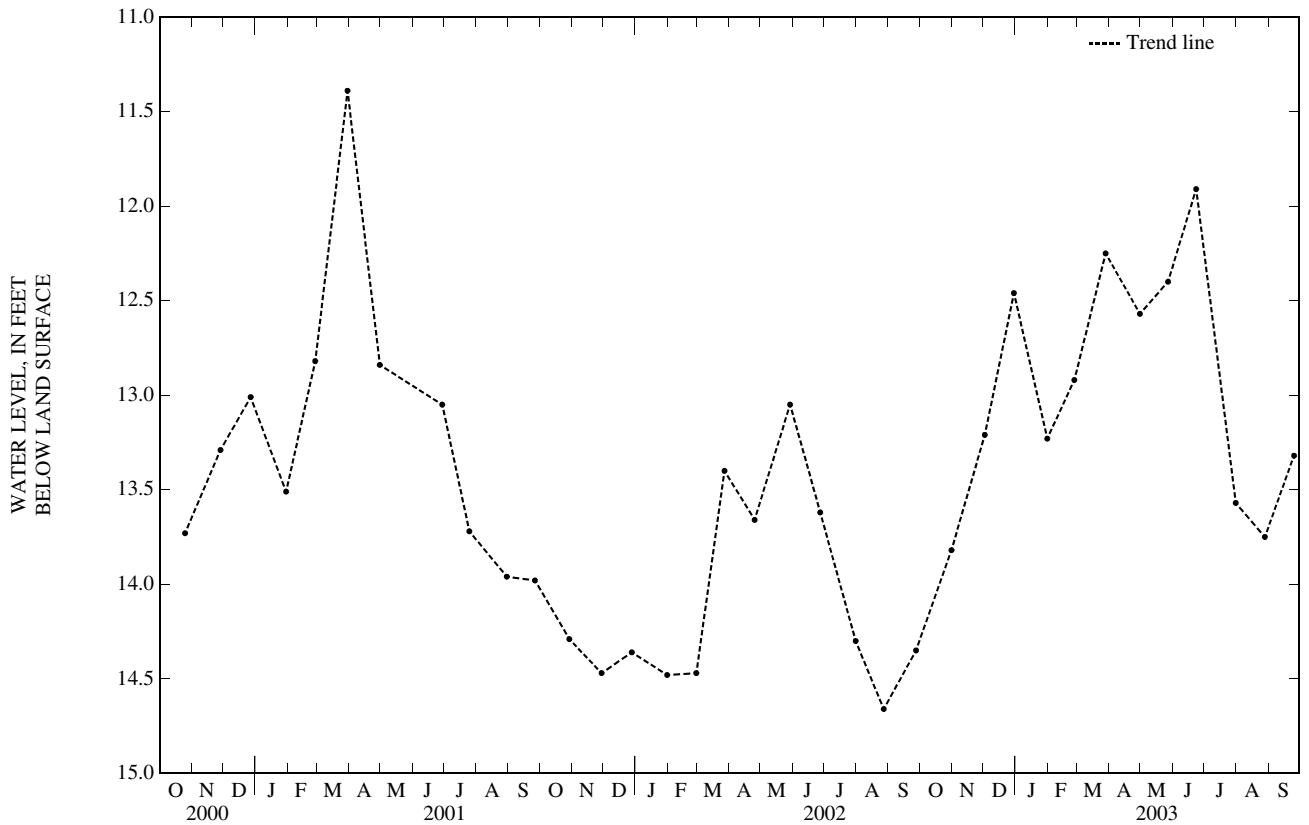
REMARKS.--Water level records missing from May 1996 through May 1997.

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, Sept. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	13.82	DEC 30	12.46	FEB 26	12.92	APR 30	12.57	JUN 23	11.91	AUG 28	13.75
DEC 02	13.21	JAN 31	13.23	MAR 28	12.25	MAY 27	12.40	JUL 31	13.57	SEP 25	13.32
WATER YEAR 2003 HIGHEST 11.91 JUN 23, 2003		LOWEST 13.82		OCT 31, 2002							



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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, between hacksaw marks, 2.20 ft above land-surface datum.

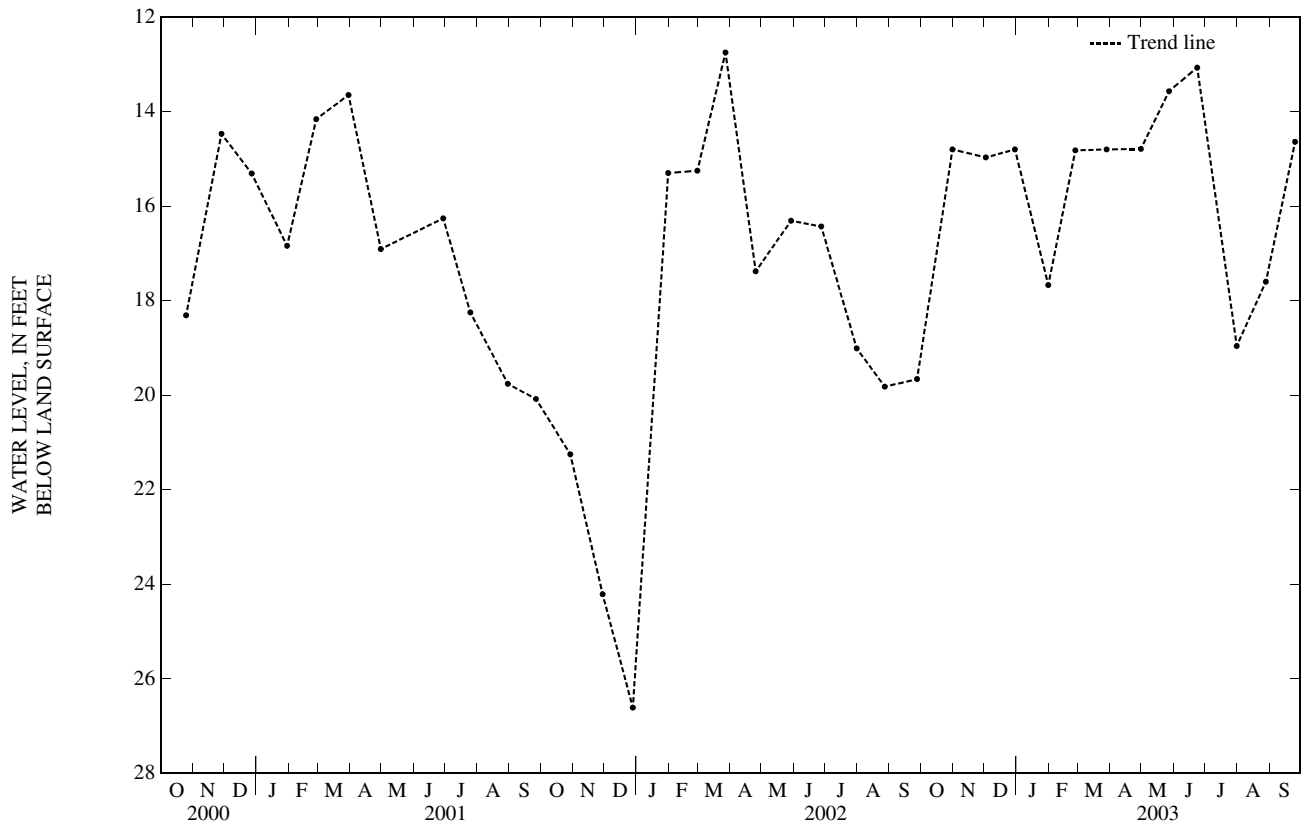
REMARKS.--Northern well of pair. Water level records missing from May 1996 through May 1997.

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, 26.61 ft below land-surface datum, Dec. 28, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.80	DEC 30	14.80	FEB 26	14.82	APR 30	14.79	JUN 23	13.07	AUG 28	17.60
DEC 02	14.97	JAN 31	17.67	MAR 28	14.80	MAY 27	13.57	JUL 31	18.96	SEP 25	14.64
WATER YEAR 2003 HIGHEST		13.07	JUN 23, 2003		LOWEST		18.96	JUL 31, 2003			



NEW HAVEN COUNTY—Continued

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, between hacksaw marks, 1.05 ft above land-surface datum.

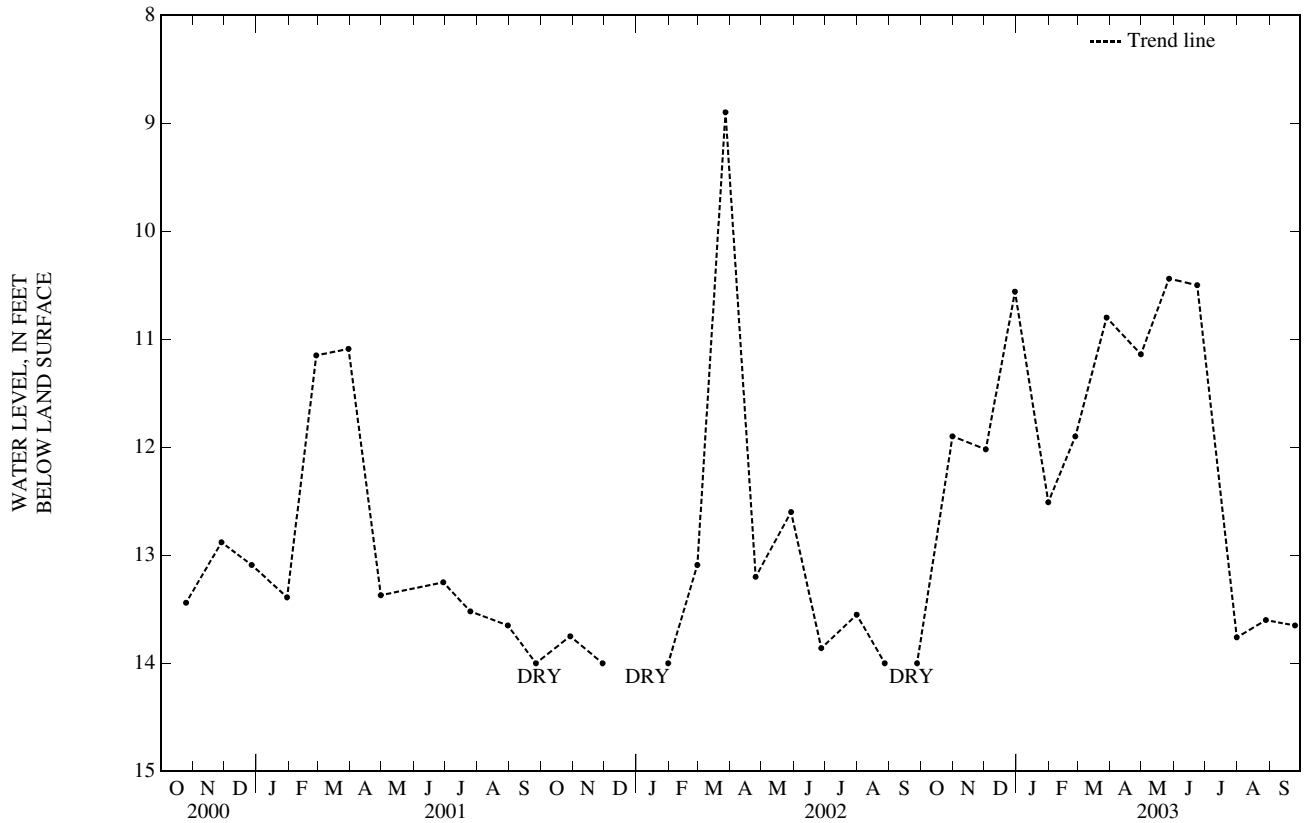
REMARKS.--Southern well of pair. Water level records missing from May 1996 through May 1997.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.90 ft below land-surface datum, Mar. 27, 2002; lowest water level measured, dry (lower than 14 ft below land-surface datum), Sept. 26, 2001; Nov. 29, 2001; Dec. 28, 2001; Aug. 27, 2002; Sept. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	11.90	DEC 30	10.56	FEB 26	11.90	APR 30	11.14	JUN 23	10.50	AUG 28	13.60
DEC 02	12.02	JAN 31	12.51	MAR 28	10.80	MAY 27	10.44	JUL 31	13.76	SEP 25	13.65
WATER YEAR 2003 HIGHEST 10.44		MAY 27, 2003		LOWEST 13.76		JUL 31, 2003					



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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.

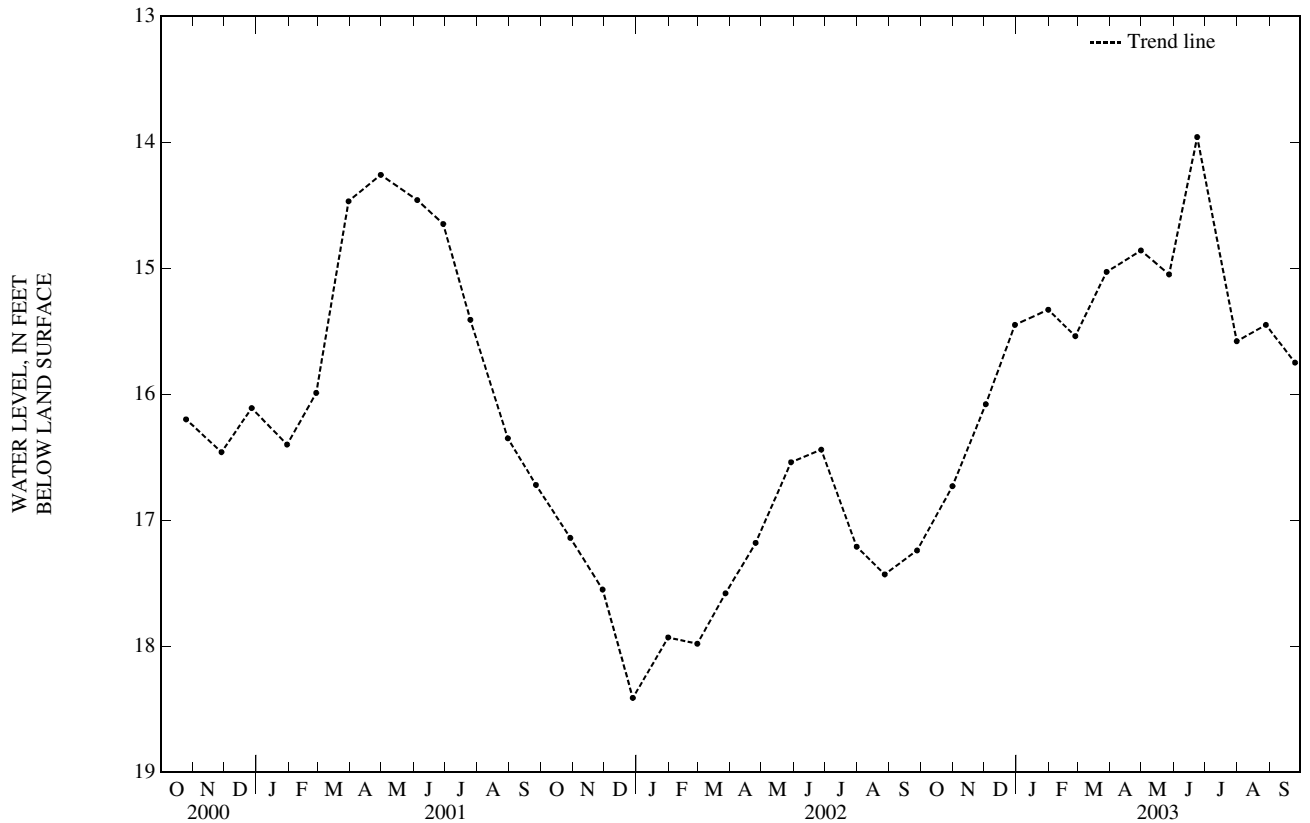
DATUM.--Elevation of land-surface datum is 35 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.67 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	16.73	DEC 30	15.45	FEB 26	15.54	APR 30	14.86	JUN 23	13.96	AUG 28	15.45
DEC 02	16.08	JAN 31	15.33	MAR 28	15.03	MAY 27	15.05	JUL 31	15.58	SEP 25	15.75
WATER YEAR 2003 HIGHEST		13.96	JUN 23, 2003		LOWEST		16.73	OCT 31, 2002			



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. Additional measurements made March to September 2003. All measurements made by USGS personnel and observers.

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.

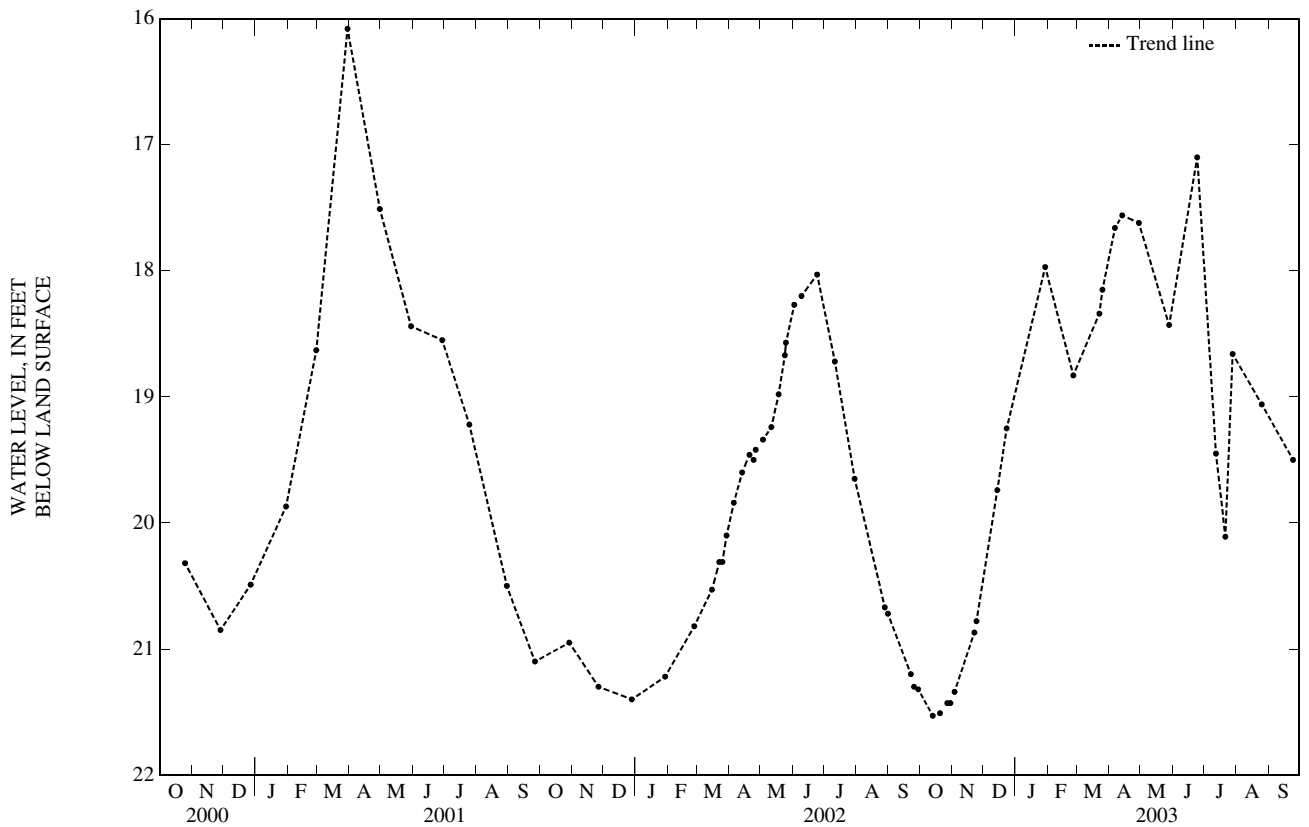
PERIOD OF RECORD.-- January 1979 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	21.53	NOV 03	21.34	DEC 23	19.25	MAR 25	18.15	MAY 28	18.43	JUL 28	18.66
20	21.51	22	20.87	JAN 29	17.97	APR 06	17.66	JUN 24	17.10	AUG 25	19.06
27	21.43	24	20.78	FEB 25	18.83	13	17.56	JUL 12	19.45	SEP 24	19.50
30	21.43	DEC 14	19.74	MAR 22	18.34	29	17.62	21	20.11		

WATER YEAR 2003 HIGHEST 17.10 JUN 24, 2003 LOWEST 21.53 OCT 13, 2002



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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 21.0 to 26.0 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. Additional measurements made March 2002 to September 2003. All measurements made by USGS personnel and observers.

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.

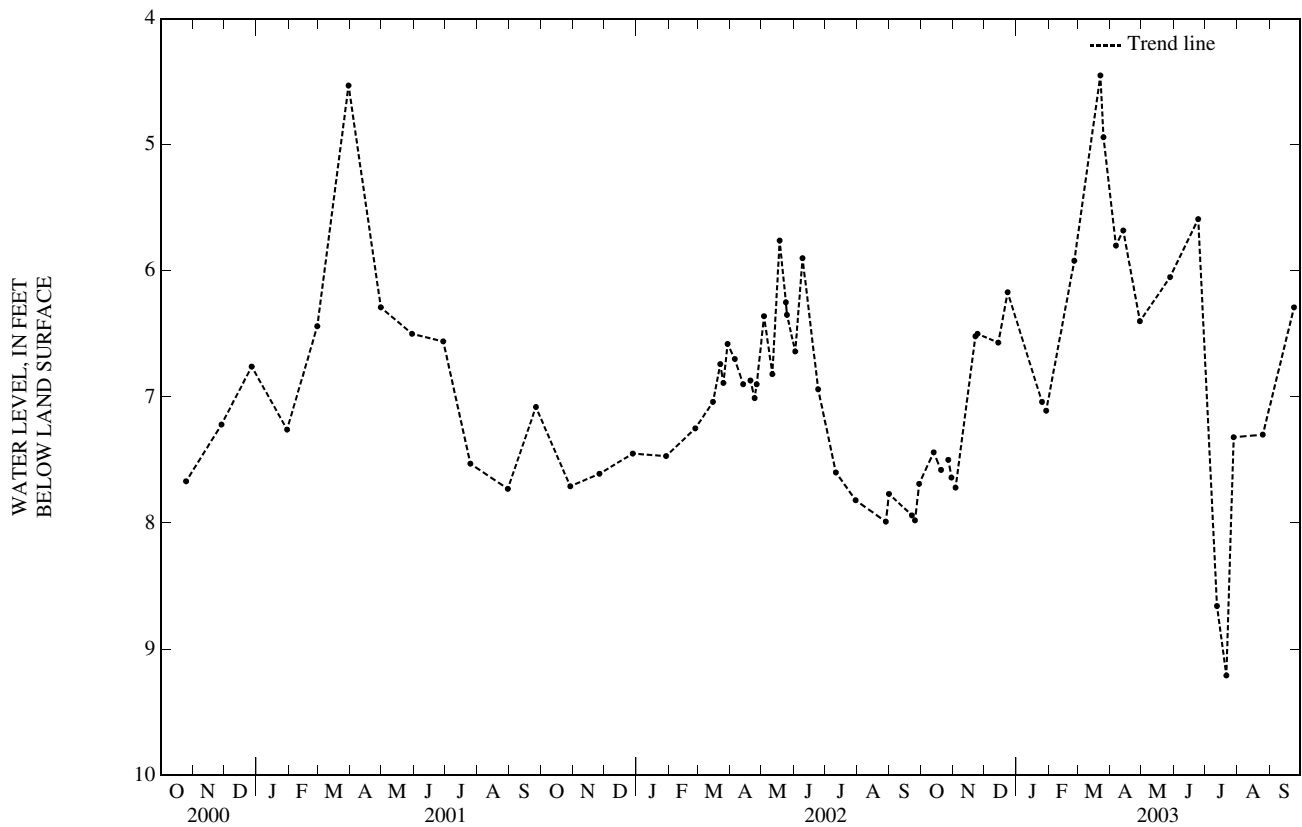
PERIOD OF RECORD.-- October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.35 ft below land-surface datum, Jan. 29, 1996; lowest water level measured, 9.21 ft below land-surface datum, July 21, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	7.44	NOV 03	7.72	DEC 23	6.17	MAR 22	4.45	APR 29	6.40	JUL 21	9.21
20	7.58	22	6.52	JAN 25	7.04	25	4.94	MAY 28	6.05	28	7.32
27	7.50	24	6.50	29	7.11	APR 06	5.80	JUN 24	5.59	AUG 25	7.30
30	7.64	DEC 14	6.57	FEB 25	5.92	13	5.68	JUL 12	8.66	SEP 24	6.29

WATER YEAR 2003 HIGHEST 4.45 MAR 22, 2003 LOWEST 9.21 JUL 21, 2003



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. Additional measurements made March 2002 to September 2003. All measurements made by USGS personnel and observers.

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.

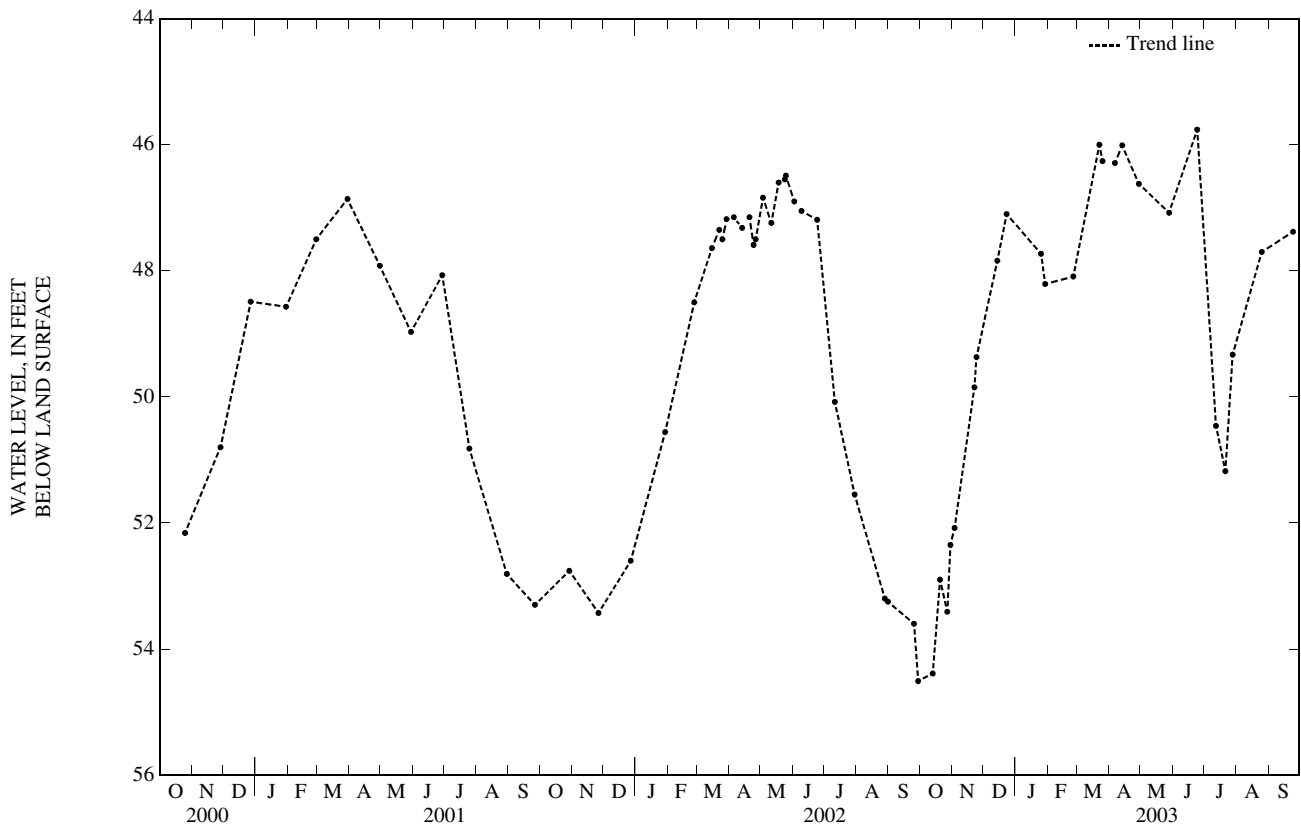
PERIOD OF RECORD.-- October 1991 to current year.

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, Sept. 20, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	54.39	NOV 03	52.08	DEC 23	47.10	MAR 22	46.00	APR 29	46.62	JUL 21	51.18
20	52.90	22	49.85	JAN 25	47.73	25	46.26	MAY 28	47.08	28	49.33
27	53.41	24	49.37	29	48.21	APR 06	46.29	JUN 24	45.76	AUG 25	47.70
30	52.35	DEC 14	47.84	FEB 25	48.09	13	46.01	JUL 12	50.46	SEP 24	47.38

WATER YEAR 2003 HIGHEST 45.76 JUN 24, 2003 LOWEST 54.39 OCT 13, 2002



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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.

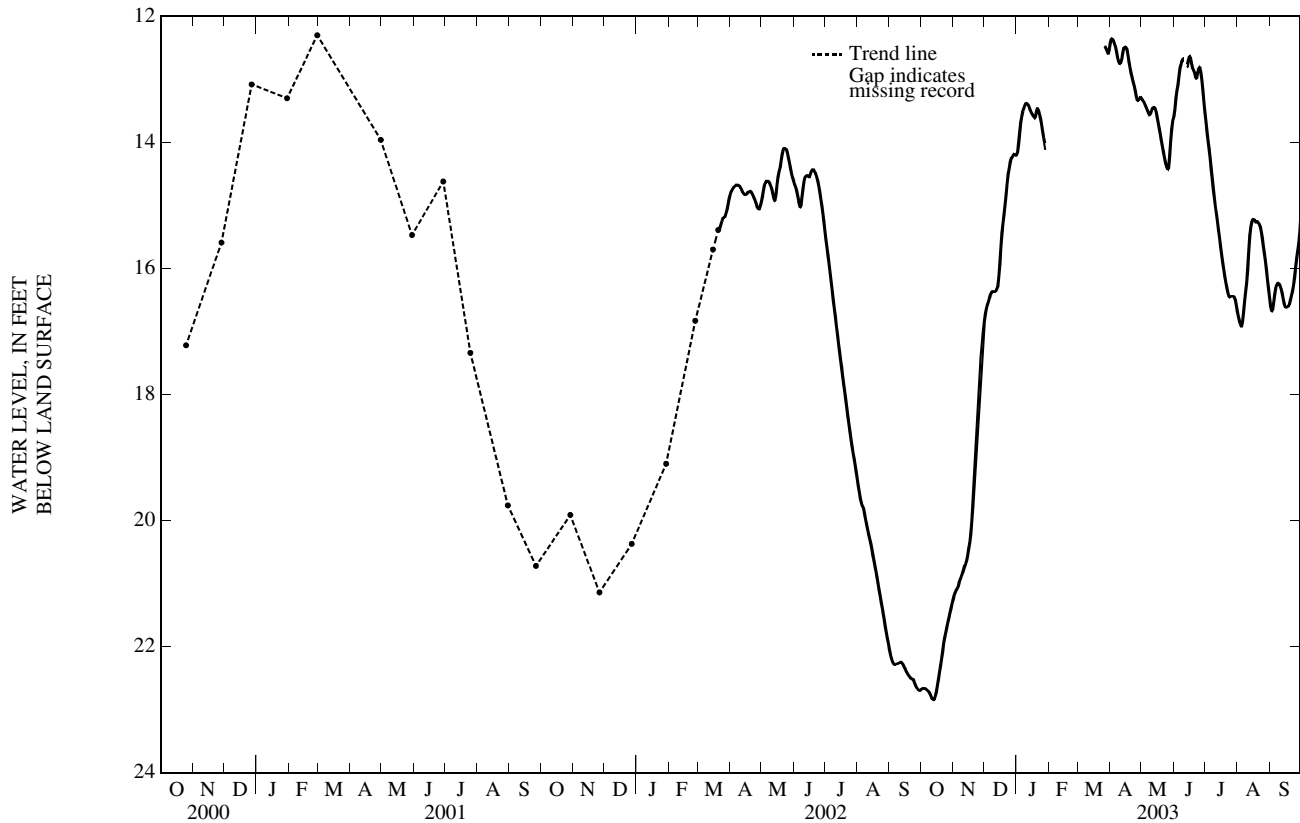
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 82 ft, PVC casing, well screened 77 to 82.

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. Submersible pressure transducer/data logger installed Mar. 25, 2002, collects 1-hour water-level data. Satellite telemetry at station. 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, 3.35 ft above land-surface datum. Prior to June 12, 2003, measuring point was 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, Sept. 30, 1995.



GROUND-WATER LEVELS
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. Additional measurements made March to May 2002 due to drought conditions. 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 concrete cap, northwest corner of well, at land-surface datum.

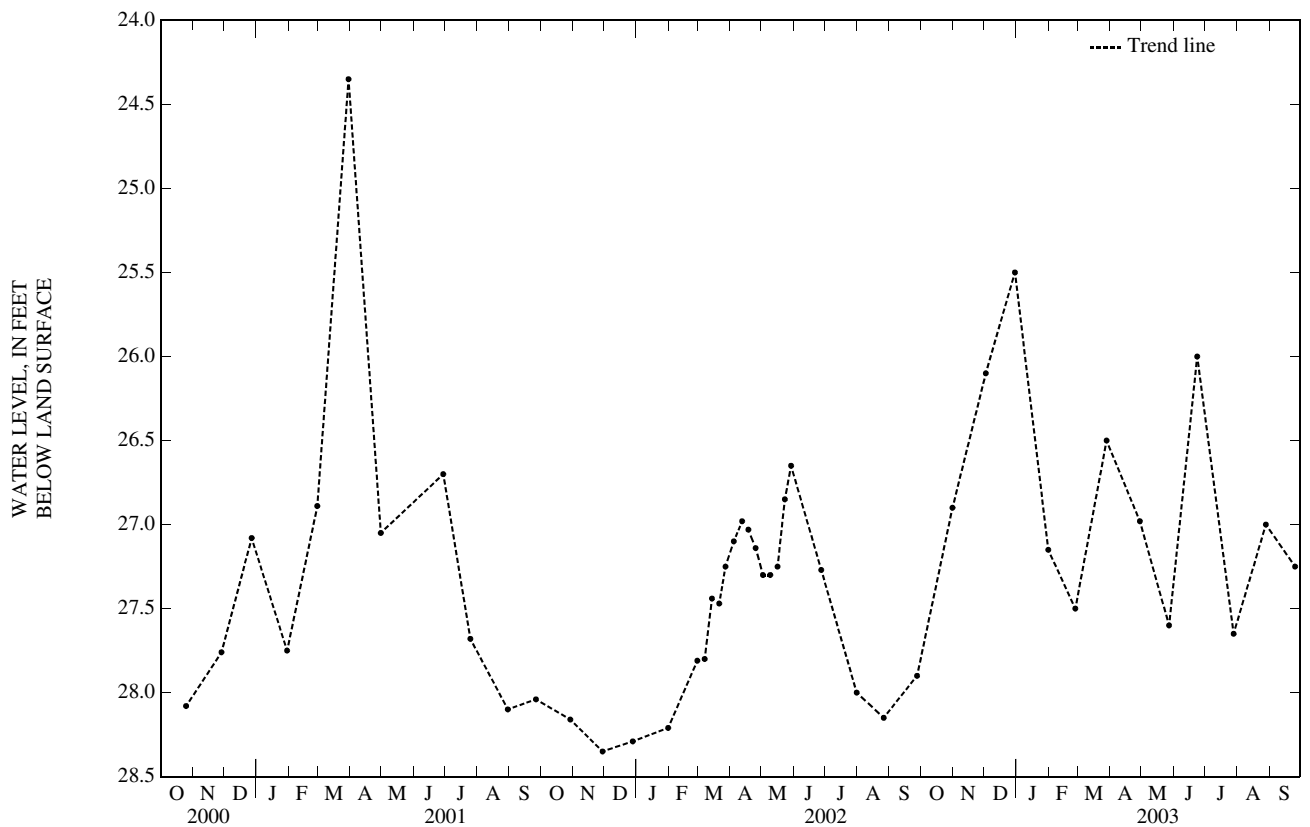
PERIOD OF RECORD.--October 1943 to current year.

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, Sept. 27, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	26.90	DEC 30	25.50	FEB 26	27.50	APR 29	26.98	JUN 23	26.00	AUG 28	27.00
DEC 02	26.10	JAN 31	27.15	MAR 28	26.50	MAY 27	27.60	JUL 28	27.65	SEP 25	27.25

WATER YEAR 2003 HIGHEST 25.50 DEC 30, 2002 LOWEST 27.65 JUL 28, 2003



NEW HAVEN COUNTY—Continued

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. Additional measurements made March to May 2002 due to drought conditions. 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, inside well house at southeast corner, at land-surface datum.

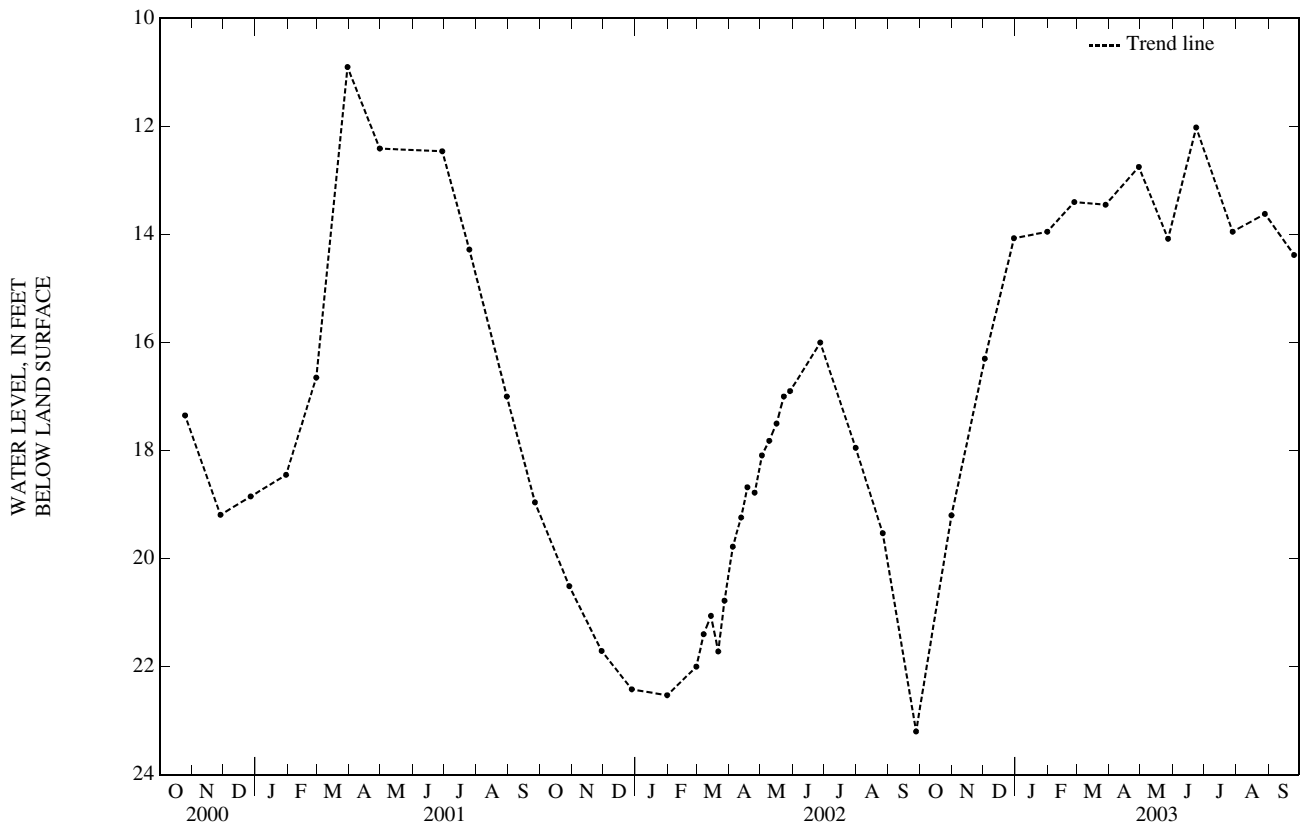
PERIOD OF RECORD.--October 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft below land-surface datum, Jan. 10, 1946; lowest water level measured, 23.20 ft below land-surface datum, Sept. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	19.20	DEC 30	14.07	FEB 26	13.40	APR 29	12.75	JUN 23	12.02	AUG 28	13.62
DEC 02	16.30	JAN 31	13.95	MAR 28	13.45	MAY 27	14.08	JUL 28	13.95	SEP 25	14.38

WATER YEAR 2003 HIGHEST 12.02 JUN 23, 2003 LOWEST 19.20 OCT 31, 2002



GROUND-WATER LEVELS

NEW LONDON COUNTY

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.

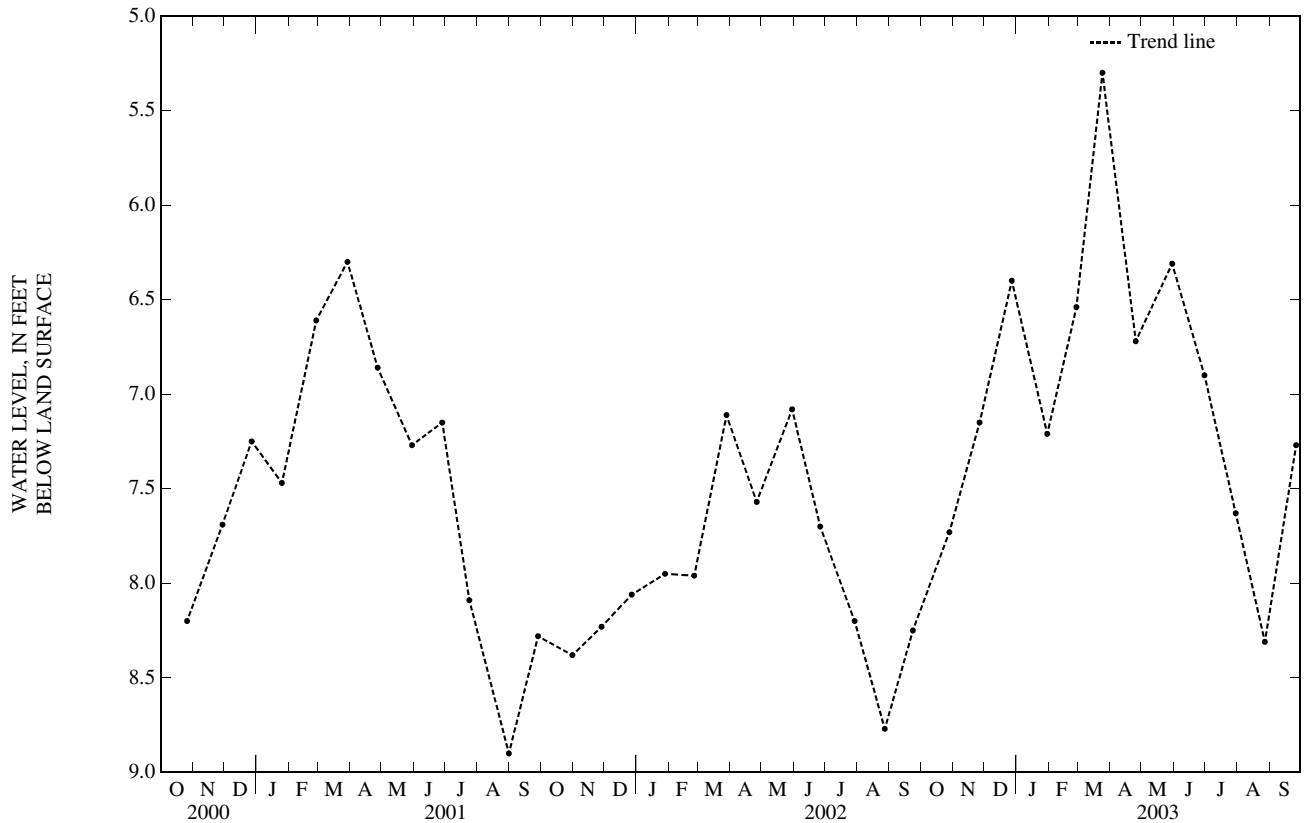
DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map. Measuring point: Top of steel protective casing 0.20 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.73	DEC 27	6.40	FEB 27	6.54	APR 25	6.72	JUN 30	6.90	AUG 27	8.31
NOV 26	7.15	JAN 30	7.21	MAR 24	5.30	MAY 30	6.31	JUL 30	7.63	SEP 26	7.27
WATER YEAR 2003 HIGHEST 5.30 MAR 24, 2003		LOWEST 8.31 AUG 27, 2003									



NEW LONDON COUNTY—Continued

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.

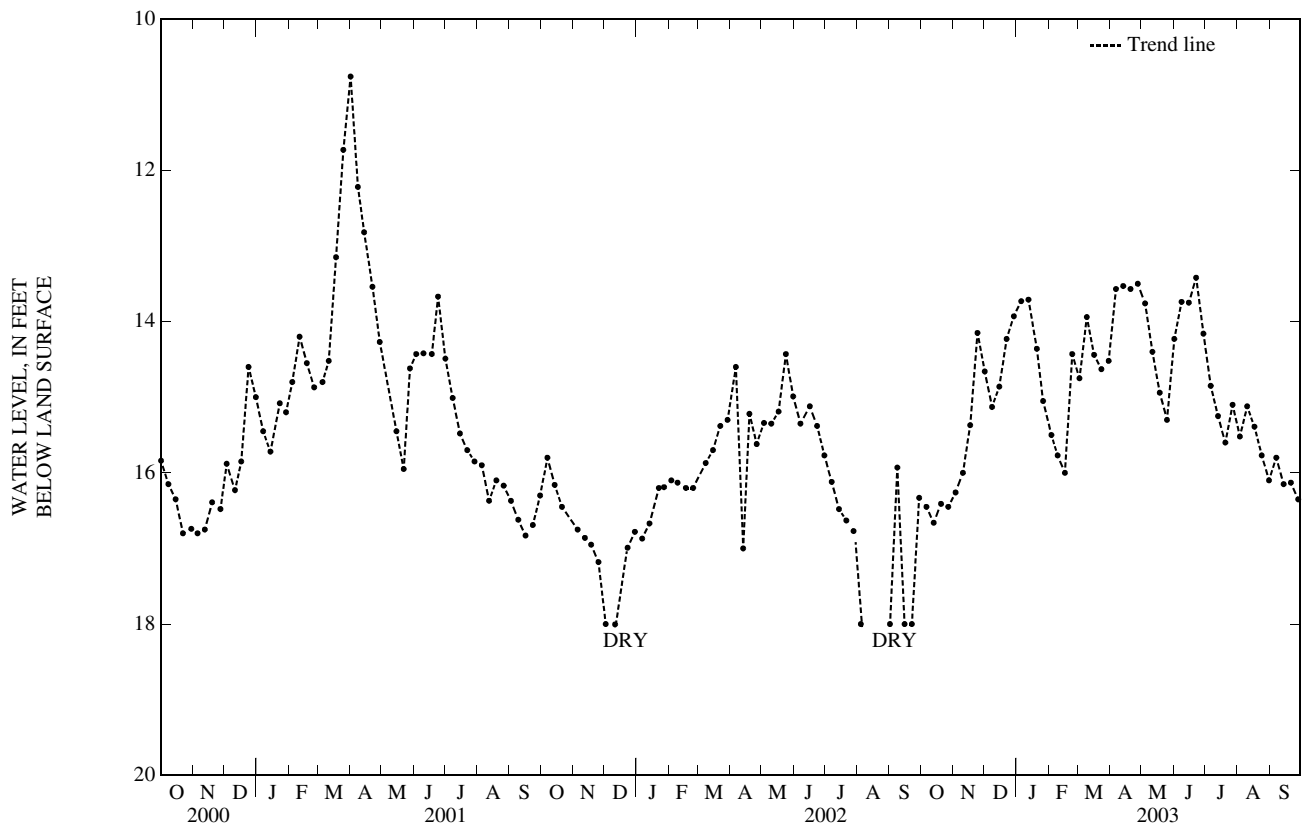
PERIOD OF RECORD.--May 1958 to current year.

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 Sept. 10, 1995; Sept. 28, 1997; October 05, 09, 19, 1997; July 18, 25, 1999; Aug. 1, 8, 15, 22, 29, 1999; Sept. 5, 1999; Dec. 2, 9, 16, 2001; Aug. 4, 11, 18, 25, 2002; Sept. 1, 15, 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	16.45	DEC 08	15.13	FEB 09	15.77	APR 13	13.53	JUN 15	13.75	AUG 17	15.39
13	16.66	15	14.86	16	16.00	20	13.57	22	13.42	24	15.77
20	16.41	22	14.23	23	14.43	27	13.50	29	14.16	31	16.10
27	16.45	29	13.93	MAR 02	14.75	MAY 04	13.76	JUL 06	14.85	SEP 07	15.80
NOV 03	16.26	JAN 05	13.73	09	13.94	11	14.40	13	15.25	14	16.15
10	16.00	12	13.71	16	14.44	18	14.94	20	15.60	21	16.13
17	15.37	20	14.36	23	14.63	25	15.30	27	15.10	28	16.35
24	14.15	26	15.05	30	14.52	JUN 01	14.23	AUG 03	15.52		
DEC 01	14.66	FEB 03	15.50	APR 06	13.57	08	13.74	10	15.12		

WATER YEAR 2003 HIGHEST 13.42 JUN 22, 2003 LOWEST 16.66 OCT 13, 2002



GROUND-WATER LEVELS
NEW LONDON COUNTY—Continued

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.

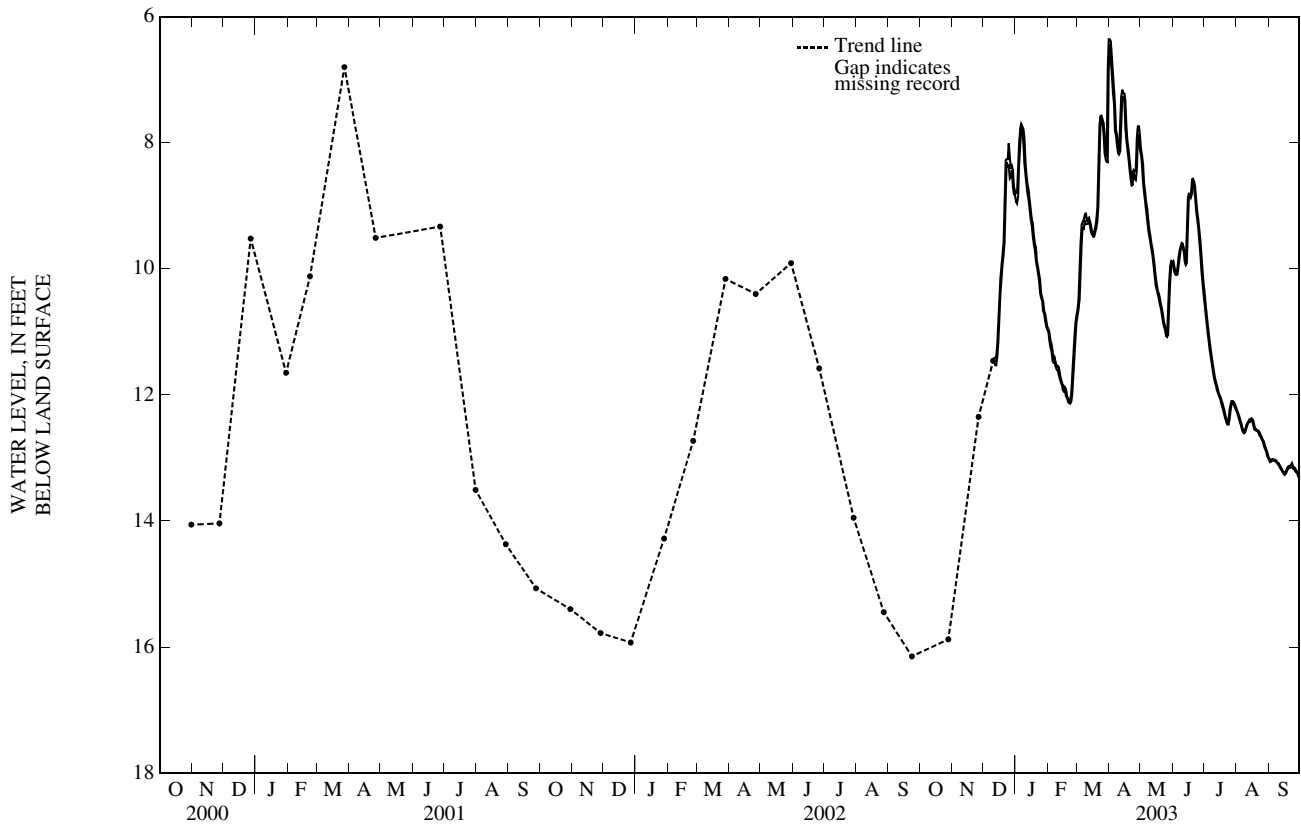
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 43 ft, PVC casing, screened 38 to 43 ft.

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. Submersible pressure transducer/data logger installed December 10, 2002, collects 15-minute water-level data. All measurements made by USGS personnel.

DATUM.--Elevation of land-surface datum is 520 ft above sea level, from topographic map. Measuring point: Black arrow mark on floor of metal shelter box 3.37 ft above land-surface datum. Prior to December 10, 2002, measuring point was 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.



NEW LONDON COUNTY—Continued

412931071514201. Local number, NSN 77.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	YEAR	YEAR		
1	---	---	---	---	---	---	8.94	8.80	11.00	10.95	10.74	10.65				
2	---	---	---	---	---	---	8.97	8.79	11.14	11.00	10.65	10.49				
3	---	---	---	---	---	---	8.85	8.35	11.25	11.14	10.49	10.11				
4	---	---	---	---	---	---	8.35	8.01	11.30	11.18	10.11	9.59				
5	---	---	---	---	---	---	8.01	7.77	11.46	11.30	9.59	9.30				
6	---	---	---	---	---	---	7.77	7.70	11.49	11.46	9.34	9.26				
7	---	---	---	---	---	---	7.82	7.74	11.48	11.41	9.38	9.22				
8	---	---	---	---	---	---	8.01	7.78	11.55	11.48	9.23	9.16				
9	---	---	---	---	---	---	8.33	7.92	11.60	11.55	9.29	9.11				
10	---	---	---	---	e11.46	e11.42	8.51	8.31	11.60	11.54	9.29	9.25				
11	---	---	---	---	11.48	11.42	8.67	8.51	11.68	11.56	9.28	9.21				
12	---	---	---	---	11.53	11.42	8.82	8.67	11.74	11.65	9.25	9.19				
13	---	---	---	---	11.53	11.39	8.90	8.74	11.80	11.74	9.32	9.25				
14	---	---	---	---	11.39	11.17	9.07	8.90	11.84	11.80	9.43	9.32				
15	---	---	---	---	11.17	10.77	9.21	9.05	11.93	11.84	9.45	9.42				
16	---	---	---	---	10.77	10.40	9.31	9.21	11.95	11.92	9.49	9.45				
17	---	---	---	---	10.40	10.15	9.47	9.26	11.95	11.88	9.49	9.41				
18	---	---	---	---	10.15	9.94	9.61	9.47	12.02	11.91	9.42	9.34				
19	---	---	---	---	9.94	9.77	9.69	9.59	12.05	12.02	9.37	9.24				
20	---	---	---	---	9.77	9.58	9.88	9.65	12.11	12.05	9.24	9.02				
21	---	---	---	---	9.58	8.79	9.97	9.88	12.13	12.10	9.02	8.31				
22	---	---	---	---	8.79	8.28	10.07	9.97	12.14	12.10	8.31	7.73				
23	---	---	---	---	8.31	8.26	10.17	10.07	12.11	11.97	7.73	7.58				
24	---	---	---	---	8.37	8.26	10.38	10.17	11.99	11.69	7.62	7.57				
25	---	---	---	---	8.36	8.01	10.46	10.38	11.69	11.42	7.68	7.62				
26	---	---	---	---	8.57	8.23	10.51	10.46	11.42	11.11	7.86	7.68				
27	---	---	---	---	8.55	8.41	10.67	10.51	11.11	10.86	8.16	7.86				
28	---	---	---	---	8.43	8.37	10.72	10.67	10.86	10.74	8.26	8.16				
29	---	---	---	---	8.70	8.43	10.83	10.71	---	---	8.30	8.22				
30	---	---	---	---	8.82	8.70	10.92	10.82	---	---	8.31	6.83				
31	---	---	---	---	8.82	8.77	10.96	10.92	---	---	6.83	6.36				
MONTH	---	---	---	---	11.53	8.01	10.96	7.70	12.14	10.74	10.74	6.36				
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER					
1	6.44	6.36	8.20	8.11	9.96	9.88	10.54	10.37	12.27	12.23	13.03	13.00				
2	6.70	6.39	8.35	8.20	10.05	9.96	10.70	10.54	12.32	12.27	13.07	13.03				
3	6.93	6.69	8.65	8.35	10.09	10.05	10.86	10.70	12.38	12.32	13.06	13.03				
4	7.19	6.92	8.79	8.65	10.10	10.09	11.01	10.86	12.43	12.38	13.03	13.02				
5	7.38	7.18	8.94	8.79	10.09	9.98	11.15	11.01	12.49	12.43	13.04	13.02				
6	7.81	7.38	9.06	8.94	9.98	9.83	11.29	11.15	12.55	12.49	13.05	13.03				
7	7.89	7.81	9.22	9.05	9.83	9.71	11.40	11.29	12.59	12.55	13.05	13.03				
8	8.05	7.87	9.38	9.22	9.71	9.65	11.51	11.40	12.61	12.59	13.07	13.04				
9	8.17	8.05	9.49	9.38	9.65	9.59	11.63	11.51	12.60	12.55	13.09	13.07				
10	8.19	8.14	9.60	9.49	9.67	9.60	11.73	11.63	12.55	12.49	13.11	13.08				
11	8.14	7.73	9.69	9.60	9.72	9.67	11.80	11.73	12.49	12.45	13.14	13.11				
12	7.73	7.27	9.80	9.69	9.89	9.72	11.86	11.80	12.45	12.43	13.17	13.14				
13	7.27	7.16	9.95	9.80	9.94	9.89	11.93	11.86	e12.43	e12.39	13.20	13.17				
14	7.27	7.21	10.11	9.95	9.91	9.34	11.98	11.93	12.43	12.38	13.23	13.20				
15	7.33	7.22	10.25	10.11	9.34	8.87	12.02	11.98	12.41	12.37	13.26	13.23				
16	7.76	7.33	10.33	10.25	8.87	8.81	12.06	12.02	12.42	12.38	13.27	13.24				
17	7.98	7.76	10.39	10.33	8.83	8.81	12.13	12.06	12.50	12.42	13.25	13.22				
18	8.11	7.98	10.47	10.39	8.87	8.81	12.19	12.12	12.55	12.50	13.22	13.18				
19	8.26	8.11	10.56	10.46	8.81	8.58	12.25	12.18	12.56	12.54	13.18	13.14				
20	8.42	8.26	10.63	10.56	8.61	8.57	12.32	12.25	12.57	12.55	13.15	13.13				
21	8.57	8.42	10.73	10.63	8.70	8.61	12.38	12.32	12.57	12.56	13.16	13.14				
22	8.68	8.57	10.84	10.73	8.89	8.70	12.44	12.38	12.61	12.57	13.15	13.11				
23	8.67	8.47	10.91	10.84	9.09	8.89	12.47	12.44	12.65	12.60	13.14	13.08				
24	8.47	8.43	10.97	10.91	9.22	9.09	12.47	12.39	12.67	12.64	13.17	13.13				
25	8.57	8.45	11.06	10.97	9.36	9.22	12.39	12.24	12.71	12.67	13.17	13.15				
26	8.59	8.43	11.08	11.05	9.55	9.36	12.24	12.15	12.74	12.71	13.21	13.16				
27	8.43	7.91	11.05	10.66	9.77	9.55	12.15	12.10	12.81	12.74	13.23	13.20				
28	7.91	7.74	10.66	10.20	10.02	9.77	12.12	12.10	12.85	12.80	13.25	13.21				
29	7.88	7.74	10.20	9.96	10.21	10.02	12.15	12.11	12.89	12.85	13.30	13.24				
30	8.11	7.88	9.96	9.88	10.38	10.21	12.19	12.14	12.96	12.89	13.33	13.30				
31	---	---	9.91	9.90	---	---	12.23	12.18	13.00	12.96	---	---				
MONTH	8.68	6.36	11.08	8.11	10.38	8.57	12.47	10.37	13.00	12.23	13.33	13.00				
YEAR	13.33	6.36														

e Estimated

GROUND-WATER LEVELS
NEW LONDON COUNTY—Continued

412746071510601. Local number, NSN 78.

LOCATION.--Lat 41° 29' 47", long 71° 51' 04", 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.

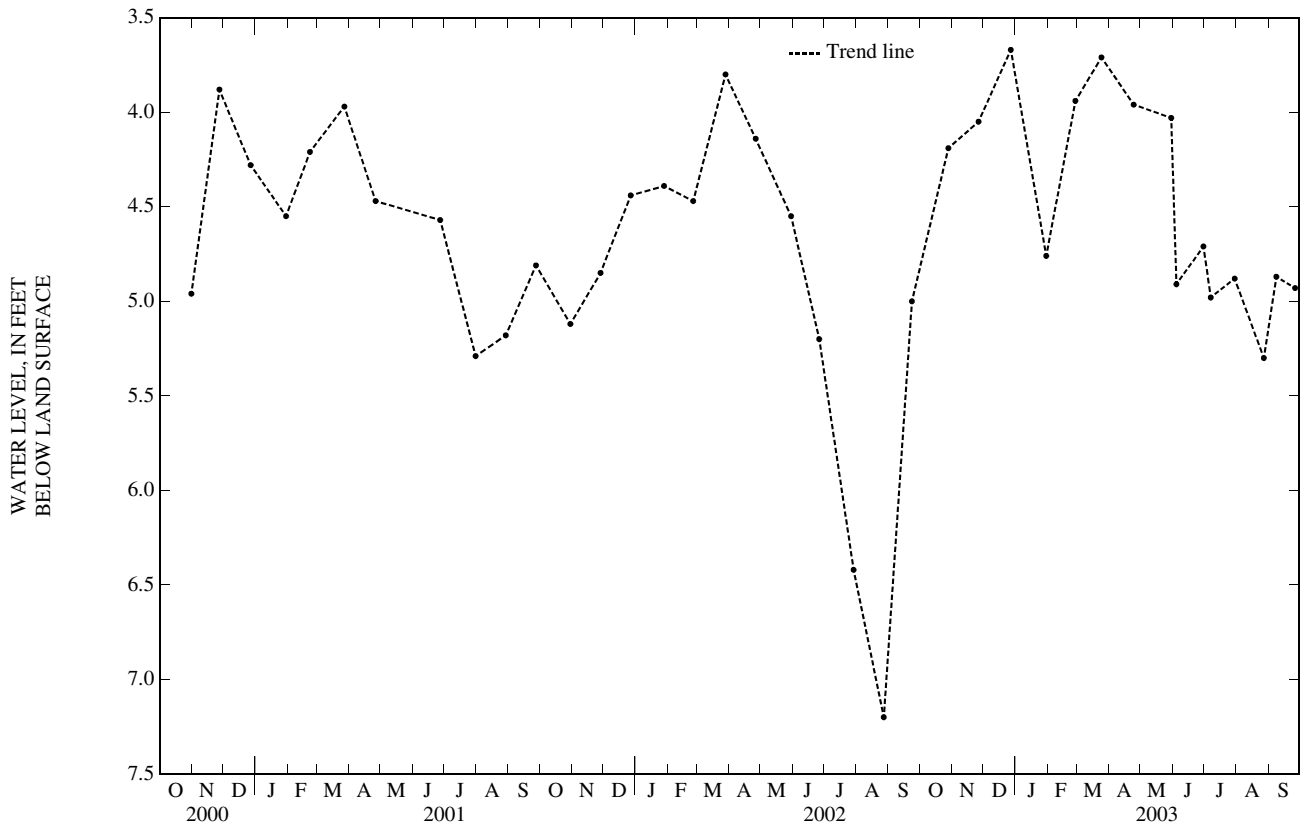
REVISED RECORDS.--WDR 2002: Latitude/longitude.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.93 ft below land-surface datum, Apr. 26, 1994; lowest water level measured, 7.20 ft below land-surface datum, Aug. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	4.19	JAN 30	4.76	APR 24	3.96	JUN 30	4.71	AUG 27	5.30
NOV 26	4.05	FEB 27	3.94	MAY 30	4.03	JUL 07	4.98	SEP 08	4.87
DEC 27	3.67	MAR 24	3.71	JUN 04	4.91	30	4.88	26	4.93

WATER YEAR 2003 HIGHEST 3.67 DEC 27, 2002 LOWEST 5.30 AUG 27, 2003



NEW LONDON COUNTY—Continued

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.

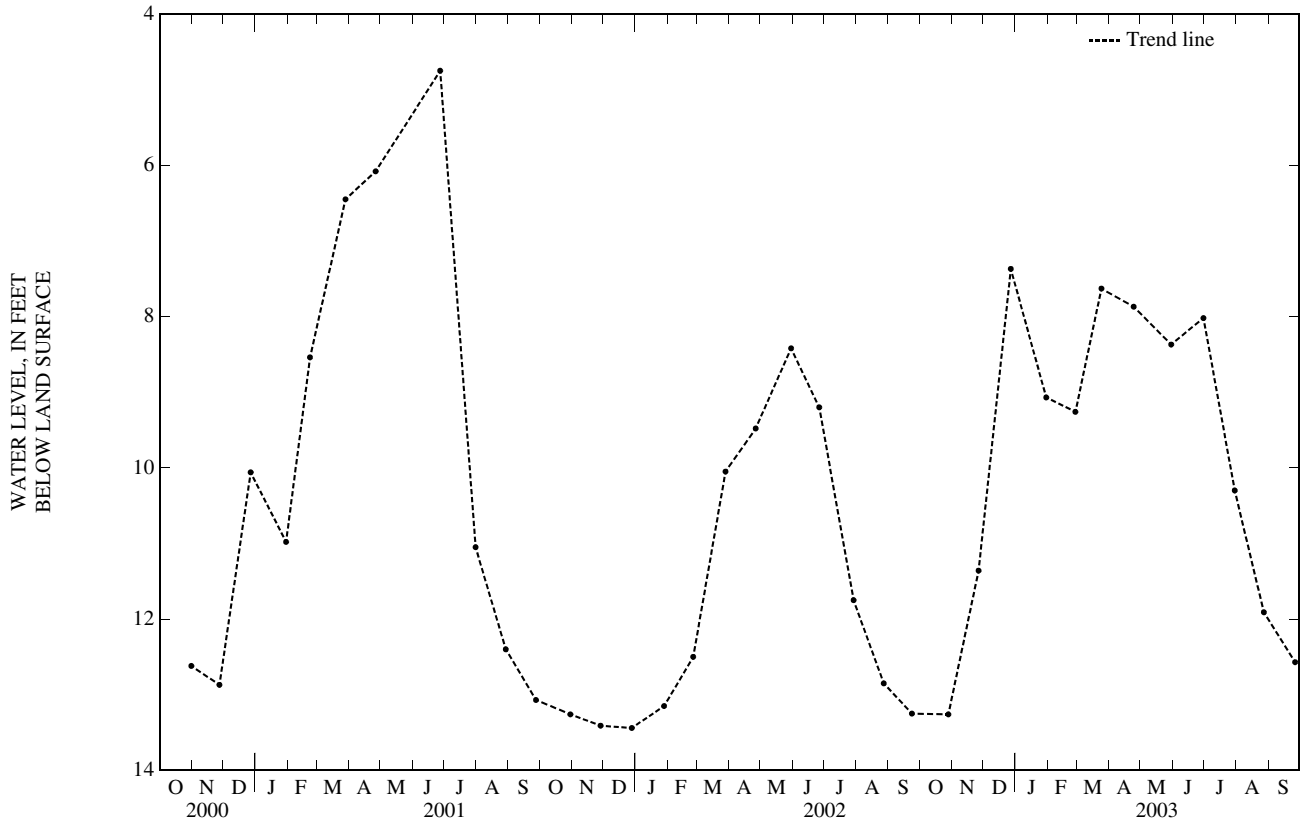
DATUM.--Elevation of land-surface datum is 238 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 1.70 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	13.26	DEC 27	7.37	FEB 27	9.26	APR 24	7.87	JUN 30	8.02	AUG 27	11.91
NOV 26	11.36	JAN 30	9.07	MAR 24	7.63	MAY 30	8.37	JUL 30	10.30	SEP 26	12.57
WATER YEAR 2003 HIGHEST 7.37 DEC 27, 2002		LOWEST 13.26 OCT 28, 2002									



GROUND-WATER LEVELS

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 well, 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.

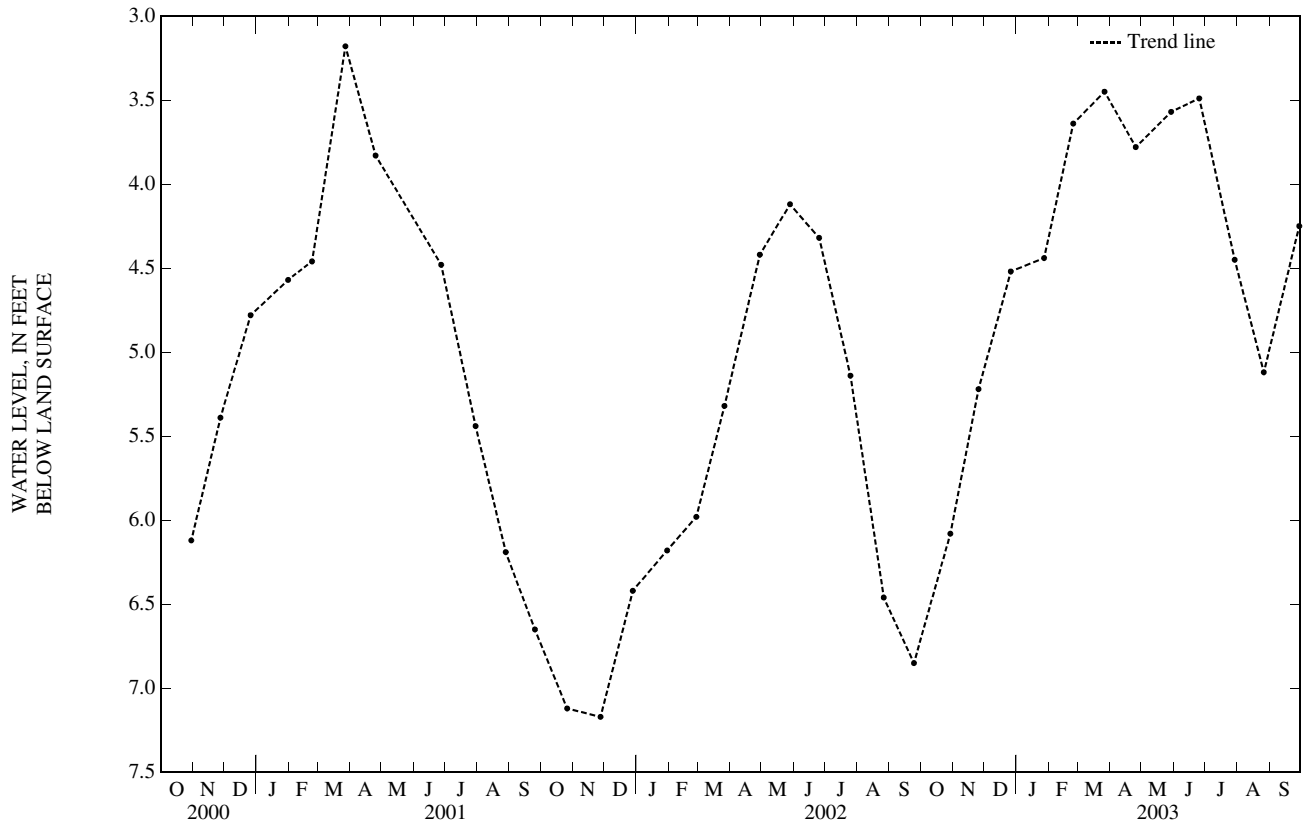
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, between hacksaw marks, 1.23 ft above land-surface datum.

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, Sept. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	6.08	DEC 26	4.52	FEB 24	3.64	APR 25	3.78	JUN 25	3.49	AUG 26	5.12
NOV 25	5.22	JAN 27	4.44	MAR 26	3.45	MAY 29	3.57	JUL 29	4.45	SEP 29	4.25
WATER YEAR 2003 HIGHEST		3.45	MAR 26, 2003		LOWEST		6.08	OCT 29, 2002			



TOLLAND COUNTY—Continued

415458072291901. Local Number, EL 82.

LOCATION.--Lat 41° 54' 58", long 72° 29' 19", Hydrologic Unit 01080205, in Town of Ellington 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.

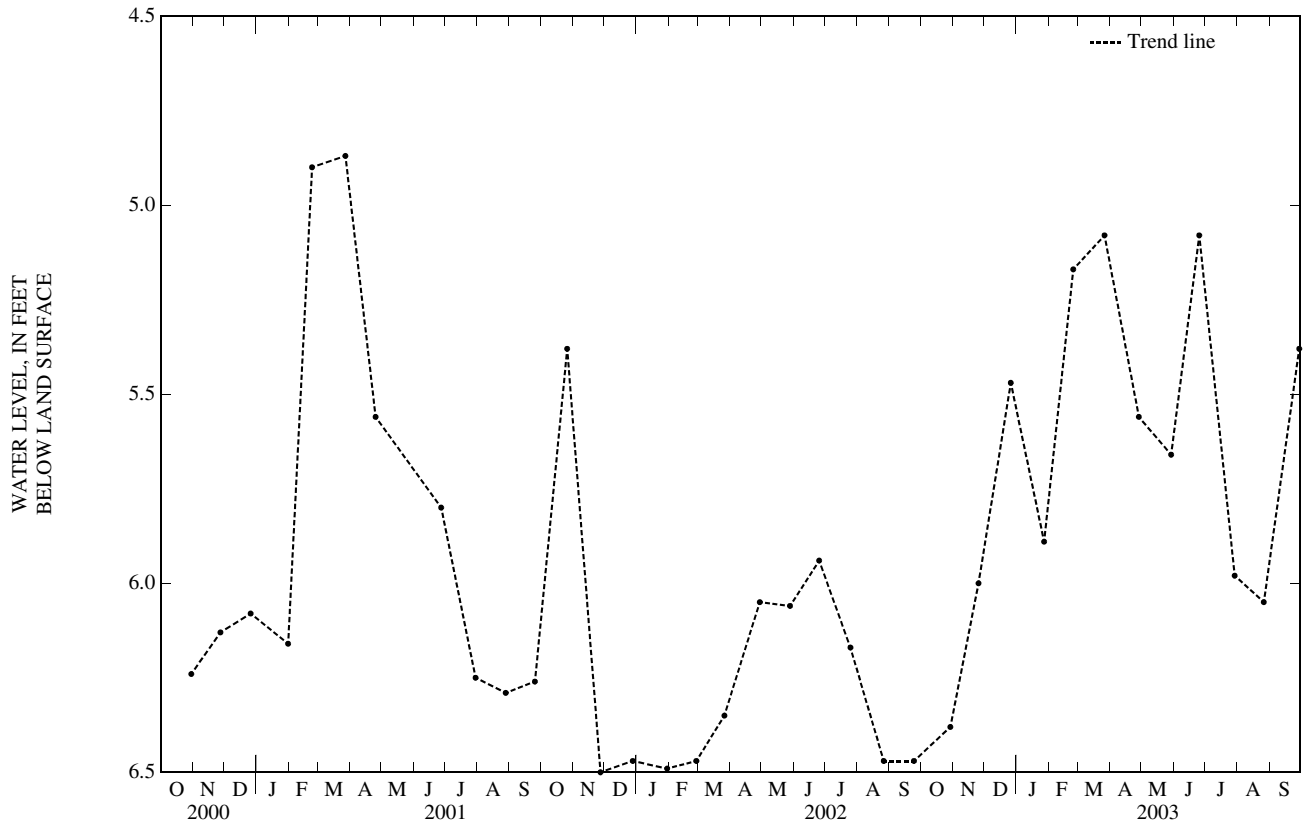
DATUM.--Elevation of land-surface datum is 193 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.53 ft above land-surface datum.

PERIOD OF RECORD.--May 1987 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	6.38	DEC 26	5.47	FEB 24	5.17	APR 28	5.56	JUN 25	5.08	AUG 26	6.05
NOV 25	6.00	JAN 27	5.89	MAR 26	5.08	MAY 29	5.66	JUL 29	5.98	SEP 29	5.38
WATER YEAR 2003 HIGHEST		5.08	MAR 26, 2003		JUN 25, 2003		LOWEST		6.38	OCT 29, 2002	



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

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 27.8 to 32.8 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.

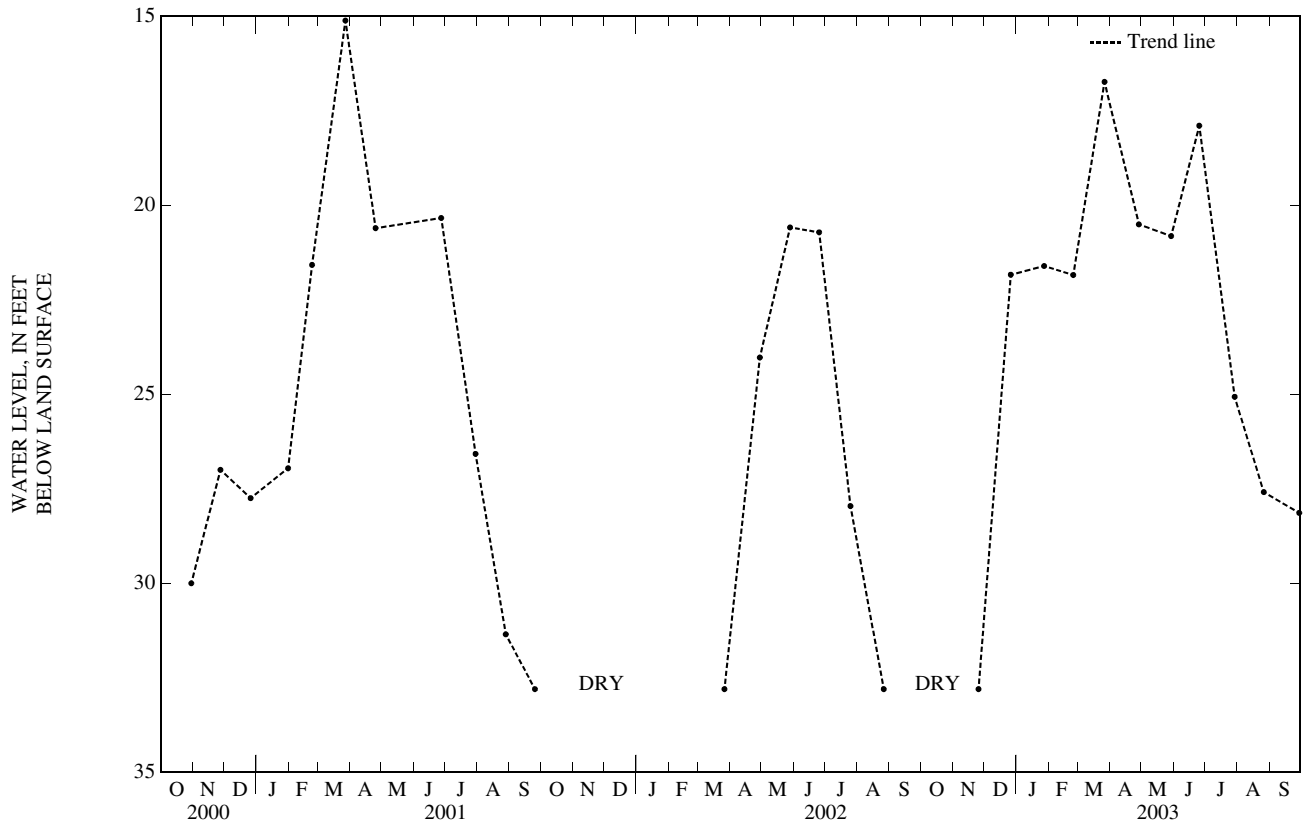
DATUM.--Elevation of land-surface datum is 436 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 1.56 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	DRY	DEC 26	21.84	FEB 24	21.85	APR 28	20.51	JUN 25	17.90	AUG 26	27.59
NOV 25	DRY	JAN 27	21.61	MAR 26	16.74	MAY 29	20.82	JUL 29	25.07	SEP 29	28.14
WATER YEAR 2003		HIGHEST	16.74	MAR 26, 2003	LOWEST	DRY	OCT 29, 2003, NOV 25, 2003				



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.

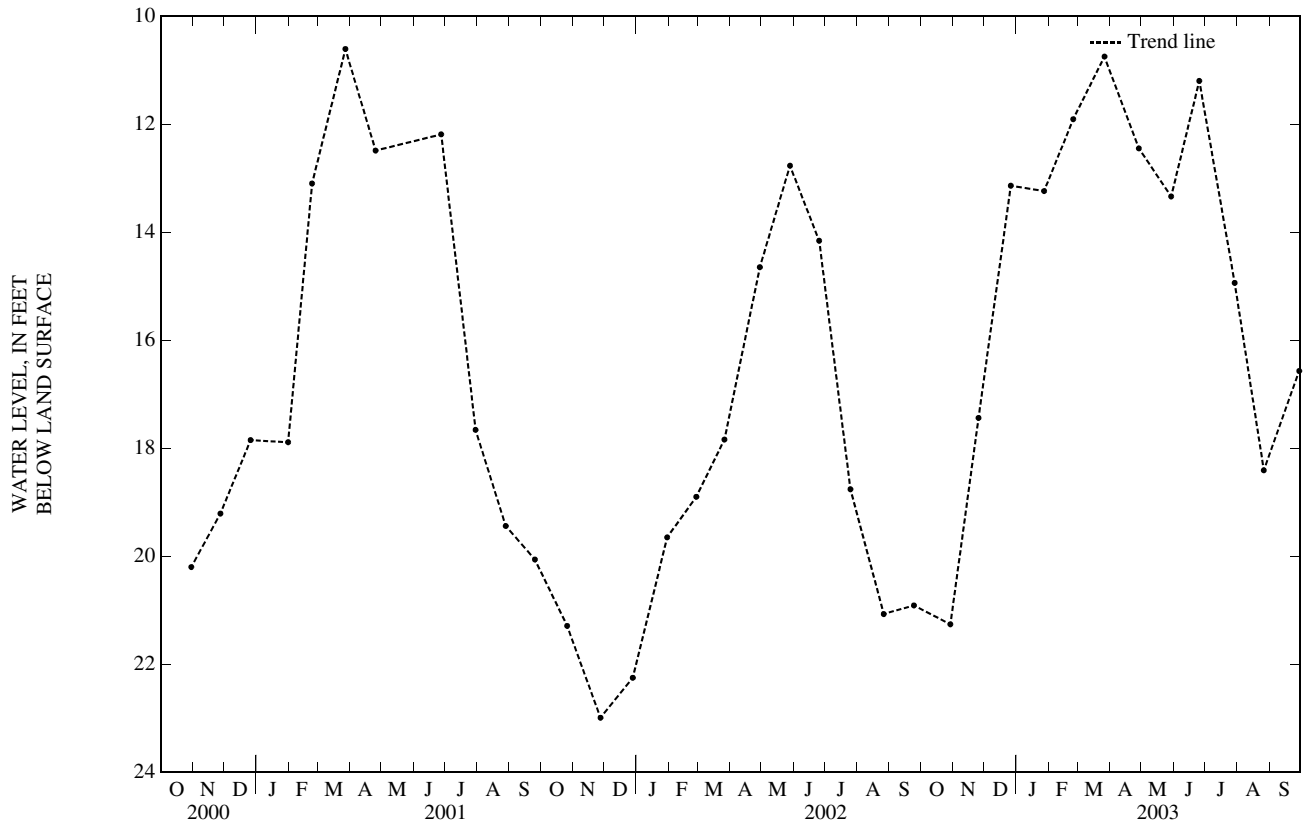
DATUM.--Elevation of land-surface datum is 380 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.36 ft above land-surface datum.

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, 22.99 ft below land-surface datum, Nov. 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	21.26	DEC 26	13.14	FEB 24	11.91	APR 28	12.45	JUN 25	11.20	AUG 26	18.41
NOV 25	17.44	JAN 27	13.24	MAR 26	10.75	MAY 29	13.34	JUL 29	14.94	SEP 29	16.57
WATER YEAR 2003 HIGHEST		10.75	MAR 26, 2003		LOWEST		21.26	OCT 29, 2002			



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

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. Additional measurements made March to May 2002 due to drought conditions. All measurements made by USGS personnel.

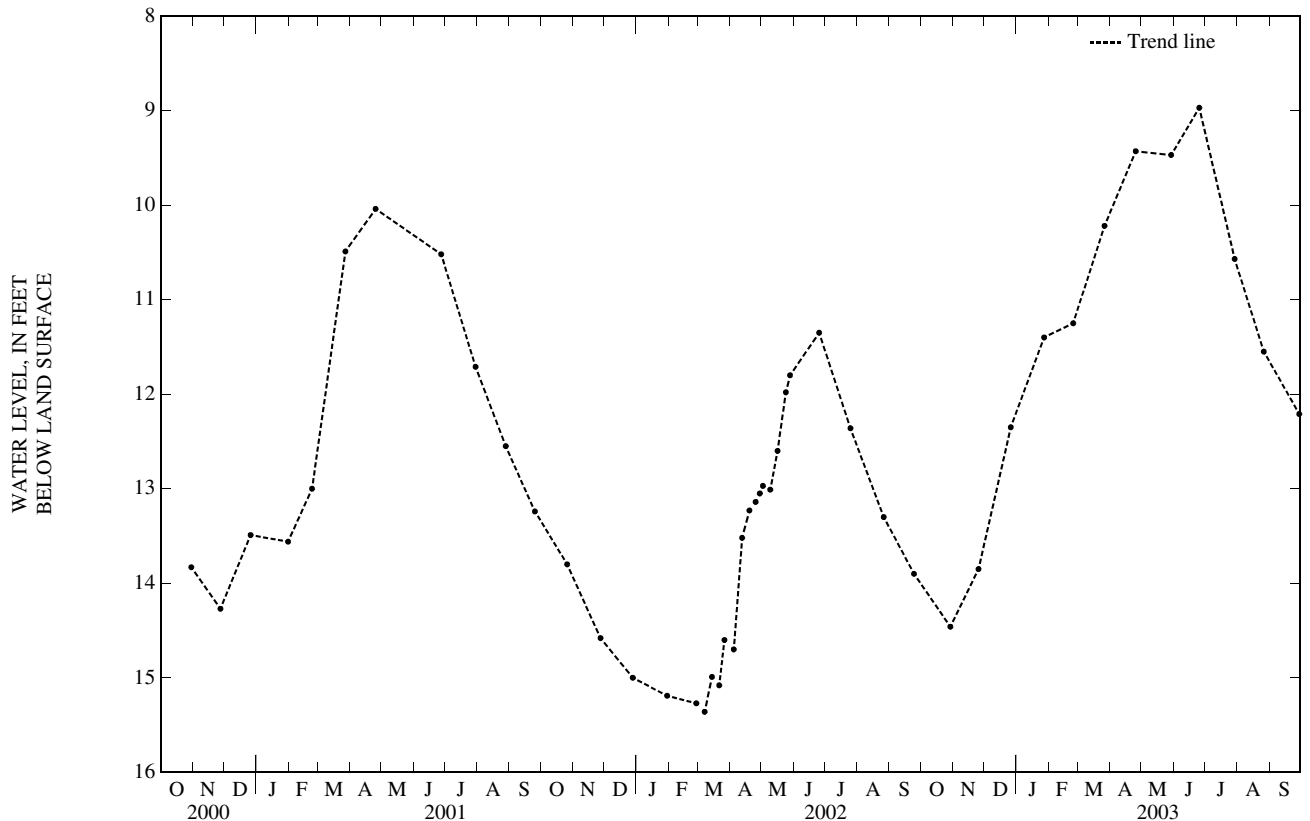
DATUM.--Elevation of land-surface datum is 260 ft above sea level, from topographic map. Measuring point: Top of tile, east side at land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	14.46	DEC 26	12.35	FEB 24	11.25	APR 25	9.43	JUN 25	8.97	AUG 26	11.55
NOV 25	13.85	JAN 27	11.40	MAR 26	10.22	MAY 29	9.47	JUL 29	10.57	SEP 29	12.21
WATER YEAR 2003 HIGHEST		8.97 JUN 25, 2003	LOWEST		14.46 OCT 29, 2002						



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.

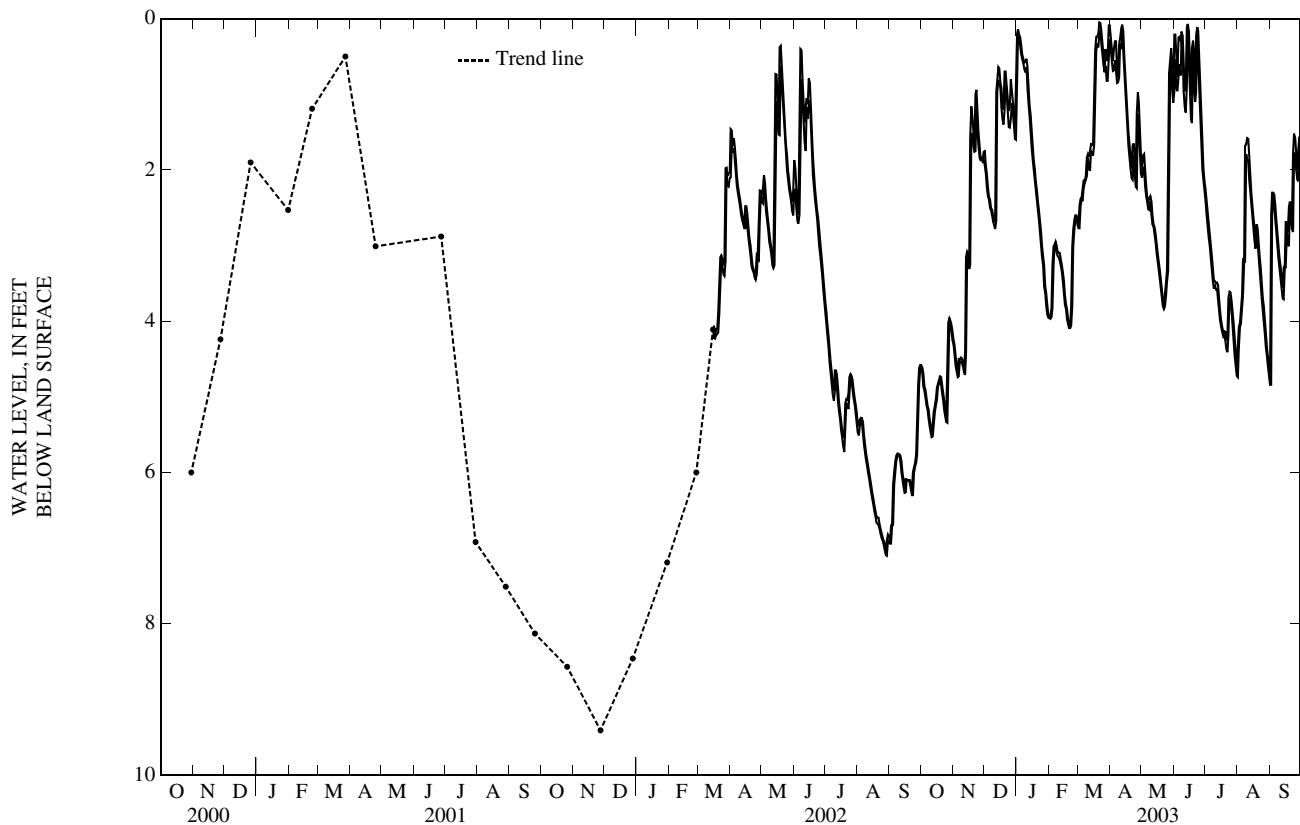
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.

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. Submersible pressure transducer/data logger installed Mar. 14, 2002, collects 1-hour water-level data. Satellite telemetry at station. 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. Measuring point (as of Feb. 14 2002): Top of threaded coupling inside gage box, 4.28 ft above land-surface datum.

PERIOD OF RECORD.--June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.05 ft below land-surface datum, Mar. 21, 2003; lowest water level measured, 10.58 ft below land-surface datum, Sept. 28, 1995.



TOLLAND COUNTY—Continued

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 well, 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.

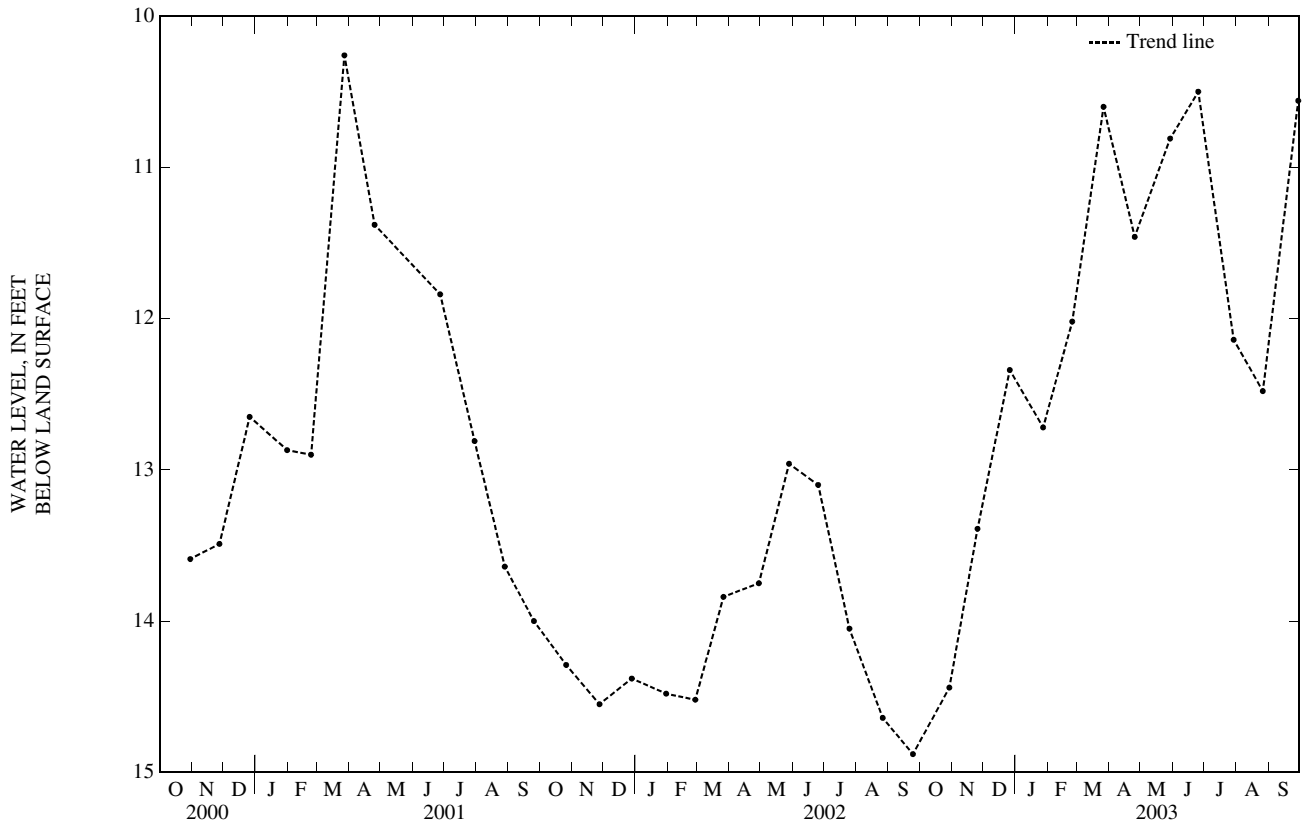
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 0.76 ft above land-surface datum.

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, 14.88 ft below land-surface datum, Sept. 24, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	14.44	DEC 26	12.34	FEB 24	12.02	APR 25	11.46	JUN 25	10.50	AUG 26	12.48
NOV 25	13.39	JAN 27	12.72	MAR 26	10.60	MAY 29	10.81	JUL 29	12.14	SEP 29	10.56
WATER YEAR 2003 HIGHEST 10.50 JUN 25, 2003		LOWEST 14.44 OCT 29, 2002									



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

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 well, 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.

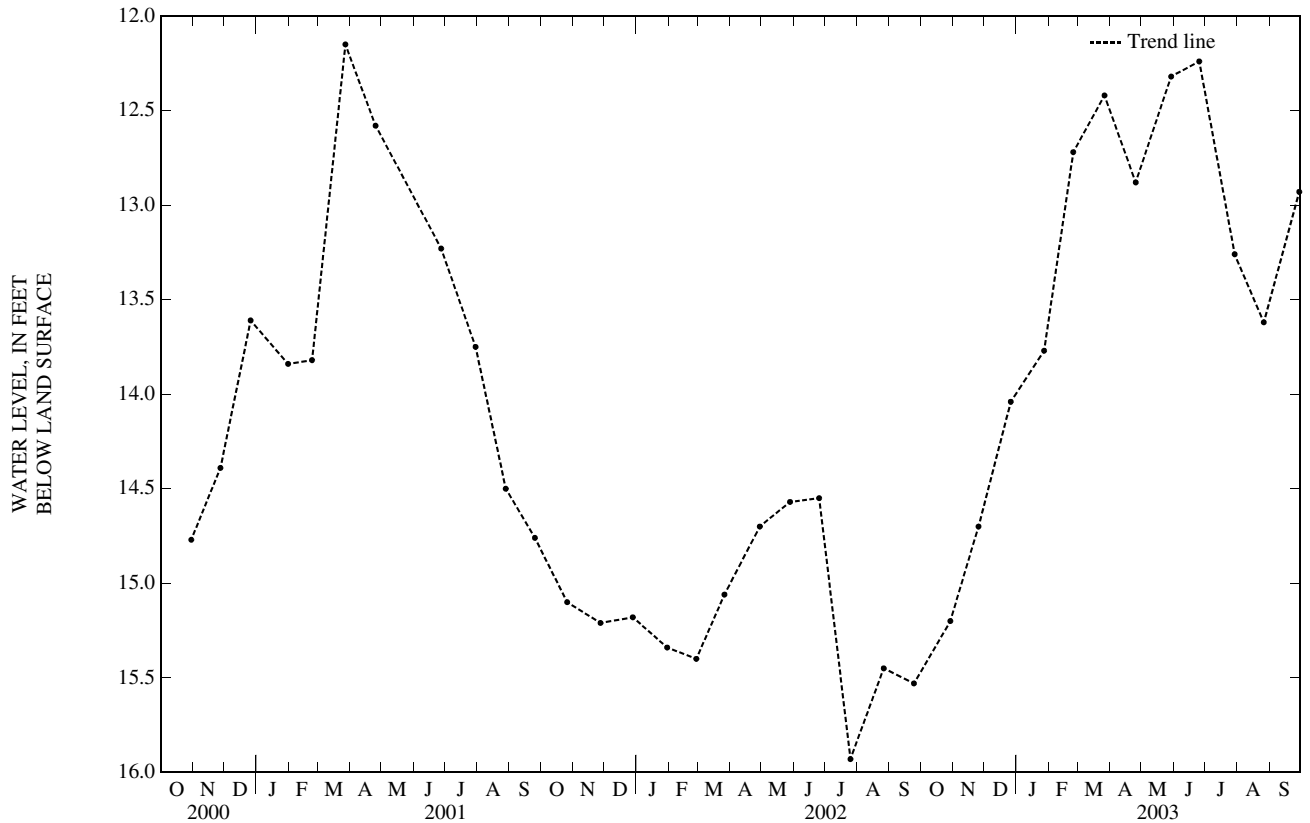
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, on locking side, 2.10 ft above land-surface datum.

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, Sept. 29, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	15.20	DEC 26	14.04	FEB 24	12.72	APR 25	12.88	JUN 25	12.24	AUG 26	13.62
NOV 25	14.70	JAN 27	13.77	MAR 26	12.42	MAY 29	12.32	JUL 29	13.26	SEP 29	12.93
WATER YEAR 2003 HIGHEST		12.24	JUN 25, 2003		LOWEST		15.20	OCT 29, 2002			



TOLLAND COUNTY—Continued

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 well, 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.

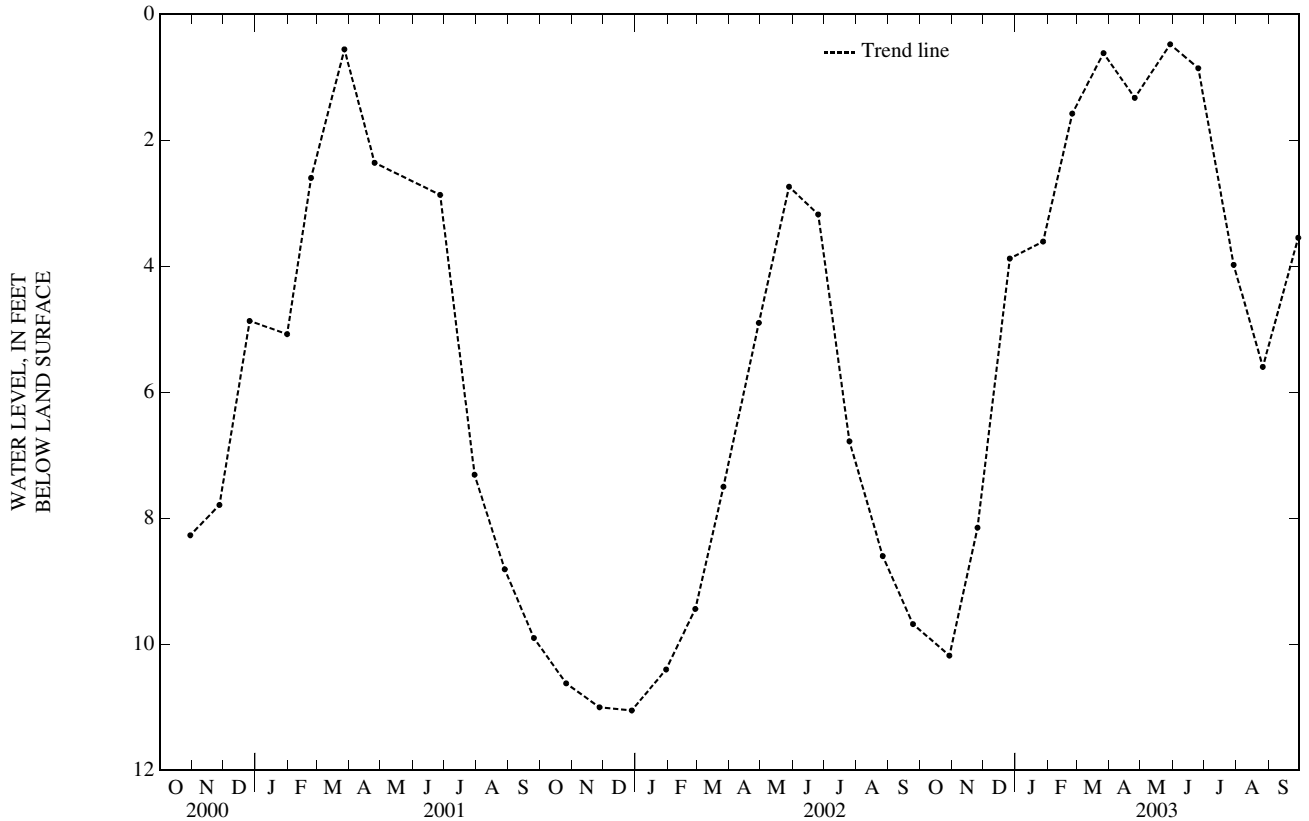
DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.00 ft above land-surface datum.

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, 11.05 ft below land-surface datum, Dec. 28, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	10.18	DEC 26	3.88	FEB 24	1.58	APR 25	1.33	JUN 25	.86	AUG 26	5.60
NOV 25	8.15	JAN 27	3.61	MAR 26	.62	MAY 29	.48	JUL 29	3.98	SEP 29	3.55
WATER YEAR 2003 HIGHEST 0.48		MAY 29, 2003		LOWEST 10.18		OCT 29, 2002					



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

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 well, 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.

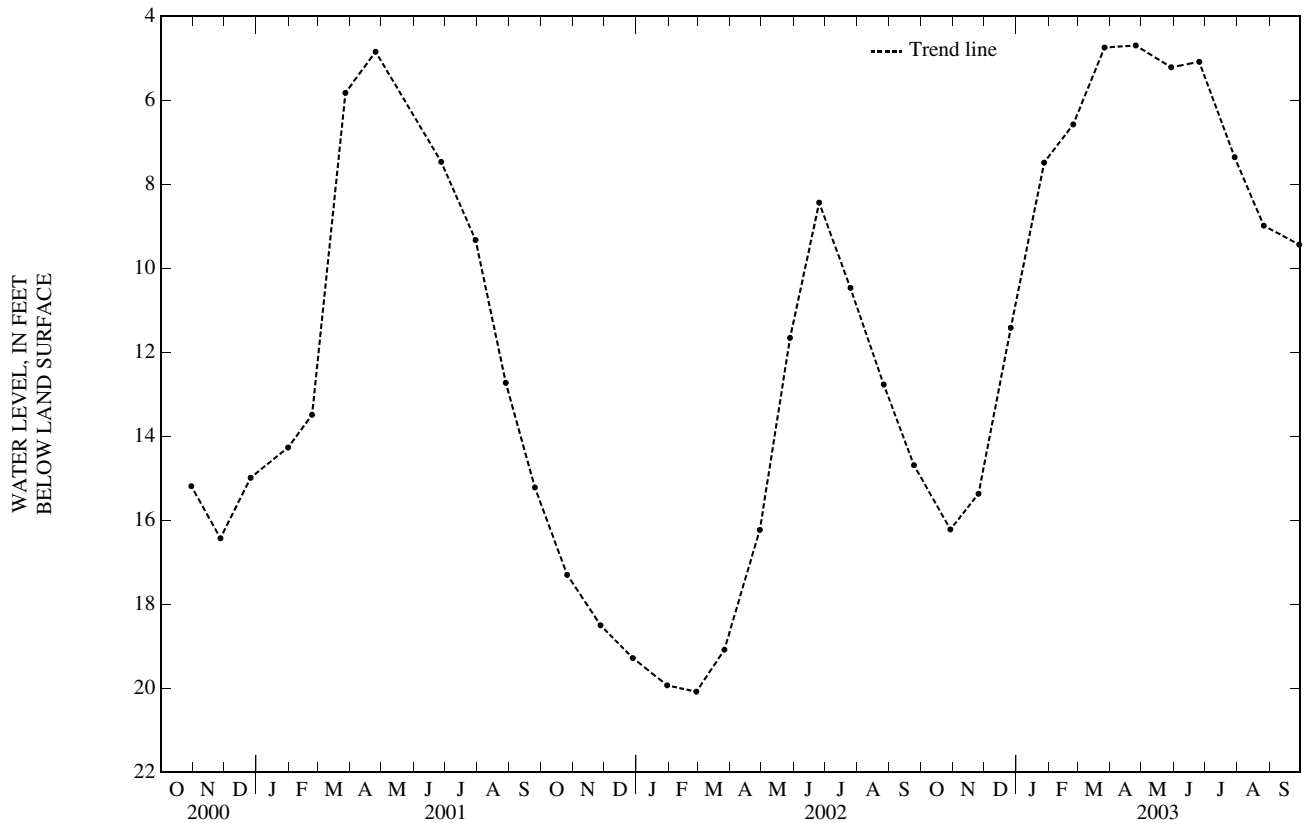
DATUM.--Elevation of land-surface datum is 345 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.18 ft above land-surface datum.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	16.22	DEC 26	11.42	FEB 24	6.58	APR 25	4.70	JUN 25	5.09	AUG 26	8.99
NOV 25	15.37	JAN 27	7.49	MAR 26	4.75	MAY 29	5.22	JUL 29	7.36	SEP 29	9.44
WATER YEAR 2003		HIGHEST	4.70	APR 25, 2003	LOWEST	16.22	OCT 29, 2002				



TOLLAND COUNTY—Continued

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 well, 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 in 2001 due to well obstruction.

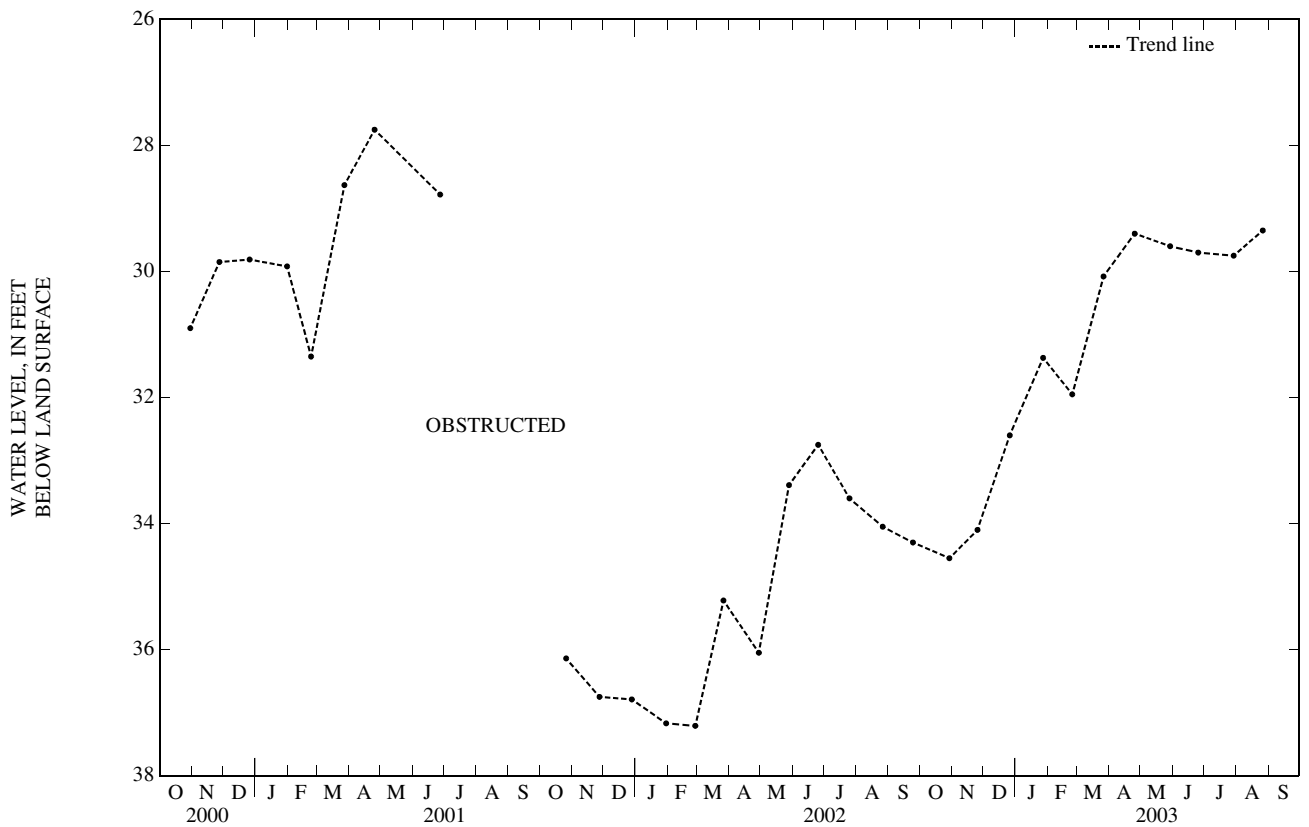
PERIOD OF RECORD.--December 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.65 ft below land-surface datum, Apr. 27, 2000; lowest water level measured, 37.21 ft below land-surface datum, Feb. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	34.55	DEC 26	32.60	FEB 24	31.95	APR 25	29.40	JUN 25	29.70	AUG 26	29.35
NOV 25	34.10	JAN 27	31.37	MAR 26	30.08	MAY 29	29.60	JUL 29	29.75		

WATER YEAR 2003 HIGHEST 29.35 AUG 26, 2003 LOWEST 34.55 OCT 29, 2002



GROUND-WATER LEVELS
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 well, 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.

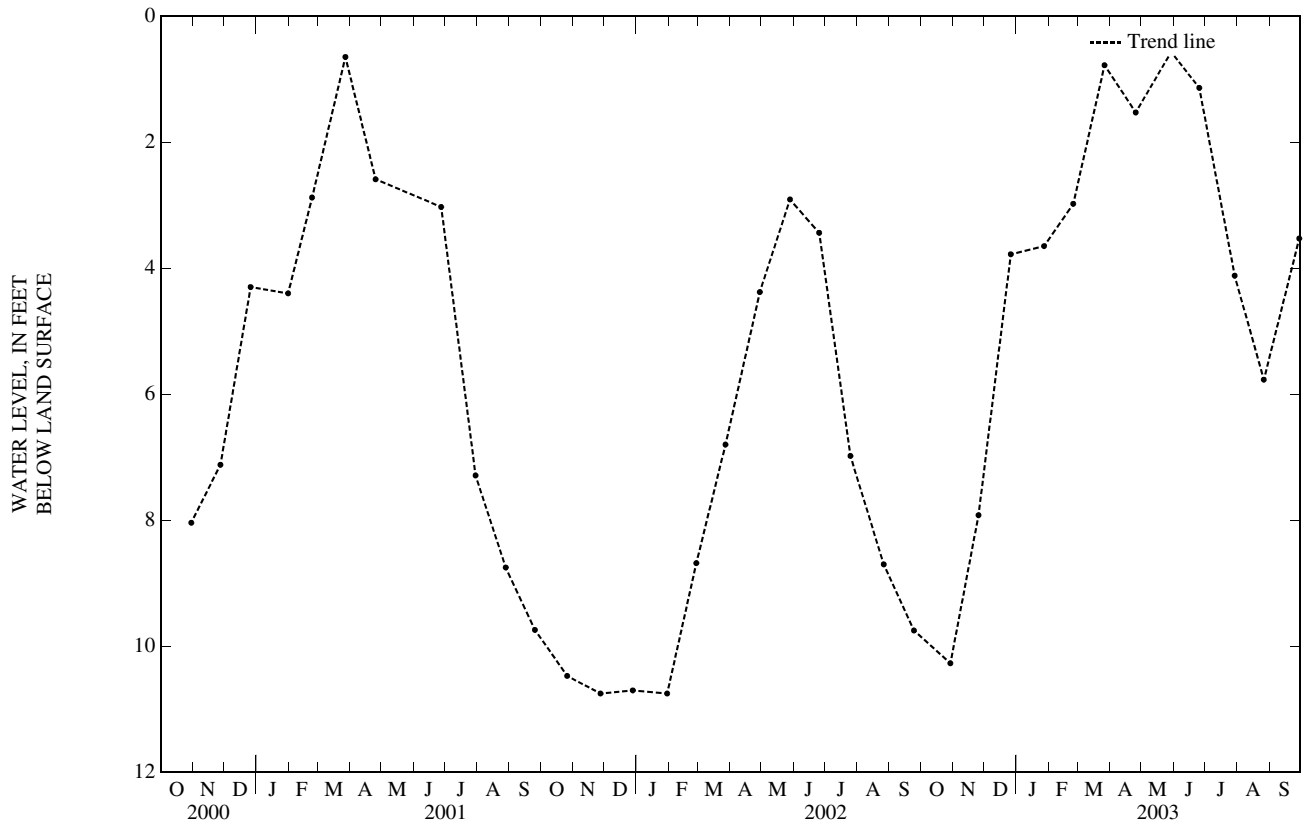
DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 3.00 ft above land-surface datum.

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, 10.75 ft below land-surface datum, Nov. 21, 2001; Jan. 30, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	10.27	DEC 26	3.78	FEB 24	2.98	APR 25	1.53	JUN 25	1.14	AUG 26	5.77
NOV 25	7.92	JAN 27	3.65	MAR 26	.78	MAY 29	.57	JUL 29	4.12	SEP 29	3.53
WATER YEAR 2003 HIGHEST 0.57		MAY 29, 2003		LOWEST 10.27		OCT 29, 2002					



TOLLAND COUNTY—Continued

414831072173002. Local Number, MS 80.

LOCATION.--Lat 41° 48'31", long 72° 17'30", Hydrologic Unit 01100002, 0.4 mi east of intersection of State Rts. 44 and 32 on Rt. 44, right turn into old Mansfield Training School facility, in the rear of the USGS office, under 10-ft steel riser at woods line of office building, Mansfield; Coventry quadrangle. Owner: University of Connecticut and USGS.

AQUIFER.--Crystalline bedrock.

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 6 in, depth 444 ft, PVC casing 30.8 ft to bedrock, open hole.

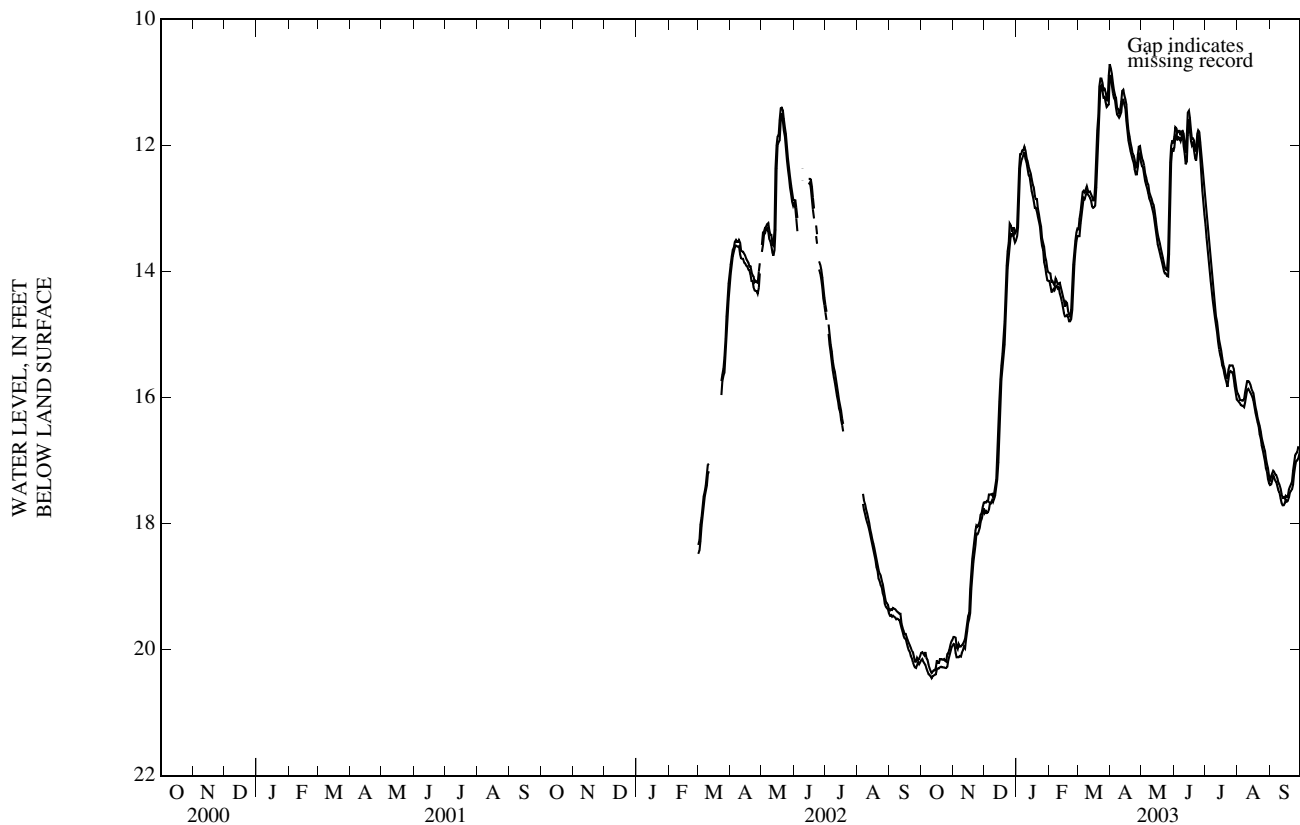
INSTRUMENTATION.--Submersible pressure transducer/data logger installed Feb. 22, 2002, collects 1-hour water-level data. Satellite telemetry at station. All measurements made by USGS personnel.

DATUM.--Elevation of land-surface datum is 500 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 1.0 ft above land-surface datum.

REMARKS.--Missing data due to well obstruction.

PERIOD OF RECORD.--February 22, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.71 ft below land-surface datum, March 31, 2003; lowest water level measured, 20.45 ft below land-surface datum, Oct. 11, 2002.



WINDHAM COUNTY

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. Additional measurements made March to May 2002 due to drought conditions. 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.

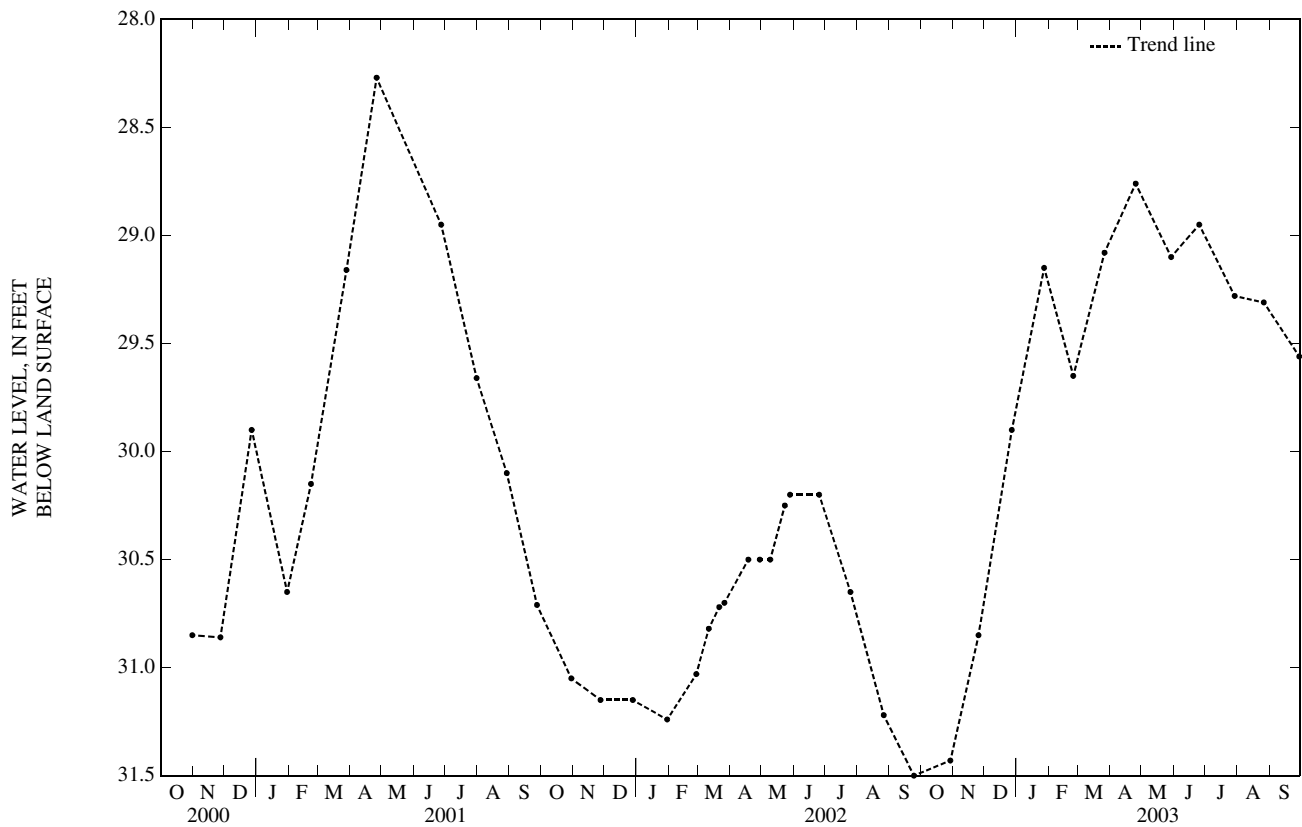
PERIOD OF RECORD.--October 1942 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	31.43	DEC 27	29.90	FEB 24	29.65	APR 25	28.76	JUN 25	28.95	AUG 26	29.31
NOV 25	30.85	JAN 27	29.15	MAR 26	29.08	MAY 29	29.10	JUL 29	29.28	SEP 29	29.56

WATER YEAR 2003 HIGHEST 28.76 APR 25, 2003 LOWEST 31.43 OCT 29, 2002



WINDHAM COUNTY—Continued

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.

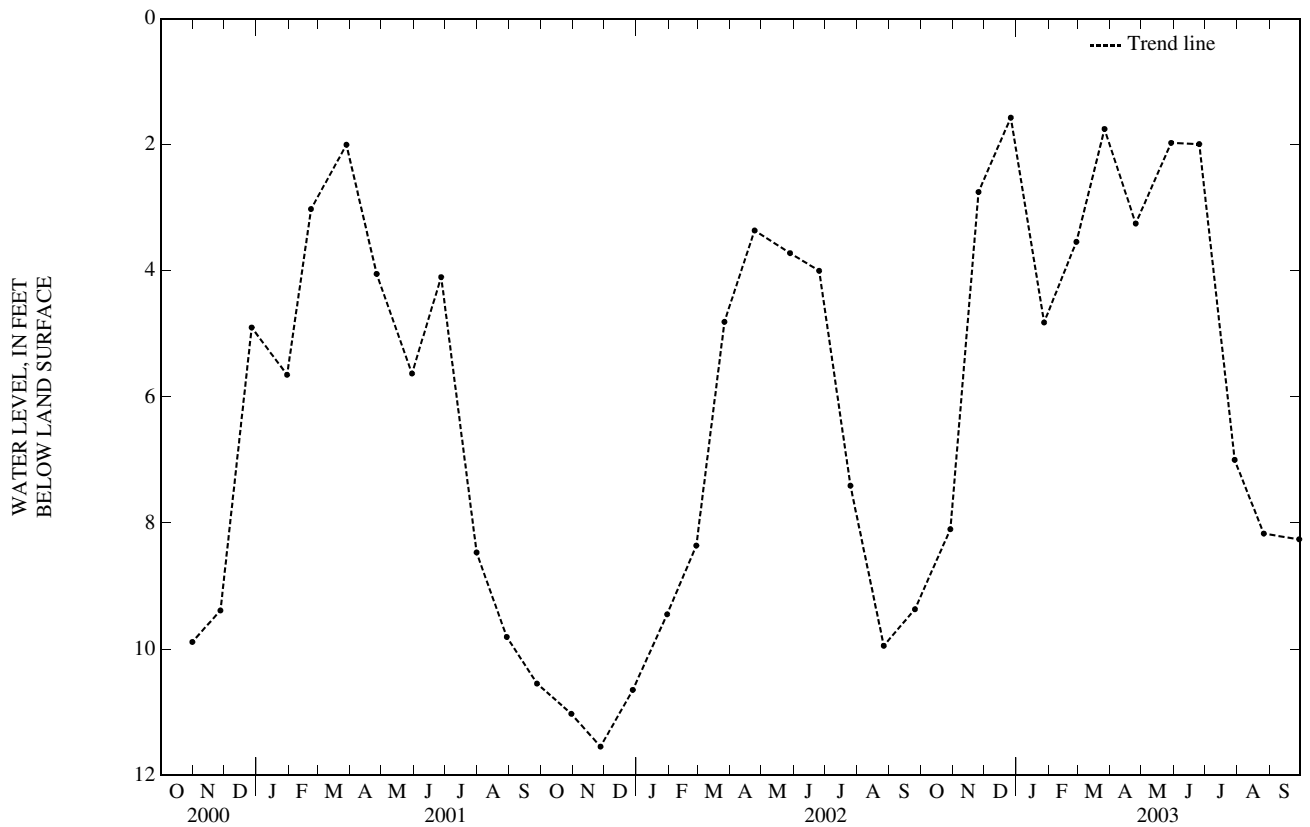
DATUM.--Elevation of land-surface datum is 498 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 1.28 ft above land-surface datum.

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, Sept. 28, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	8.10	DEC 26	1.57	FEB 27	3.54	APR 25	3.25	JUN 25	1.99	AUG 26	8.17
NOV 25	2.75	JAN 27	4.82	MAR 26	1.75	MAY 29	1.97	JUL 29	7.00	SEP 29	8.26
WATER YEAR 2003 HIGHEST 1.57 DEC 26, 2002		LOWEST 8.26 SEP 29, 2003									



WINDHAM COUNTY—Continued

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. Wildlife 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.

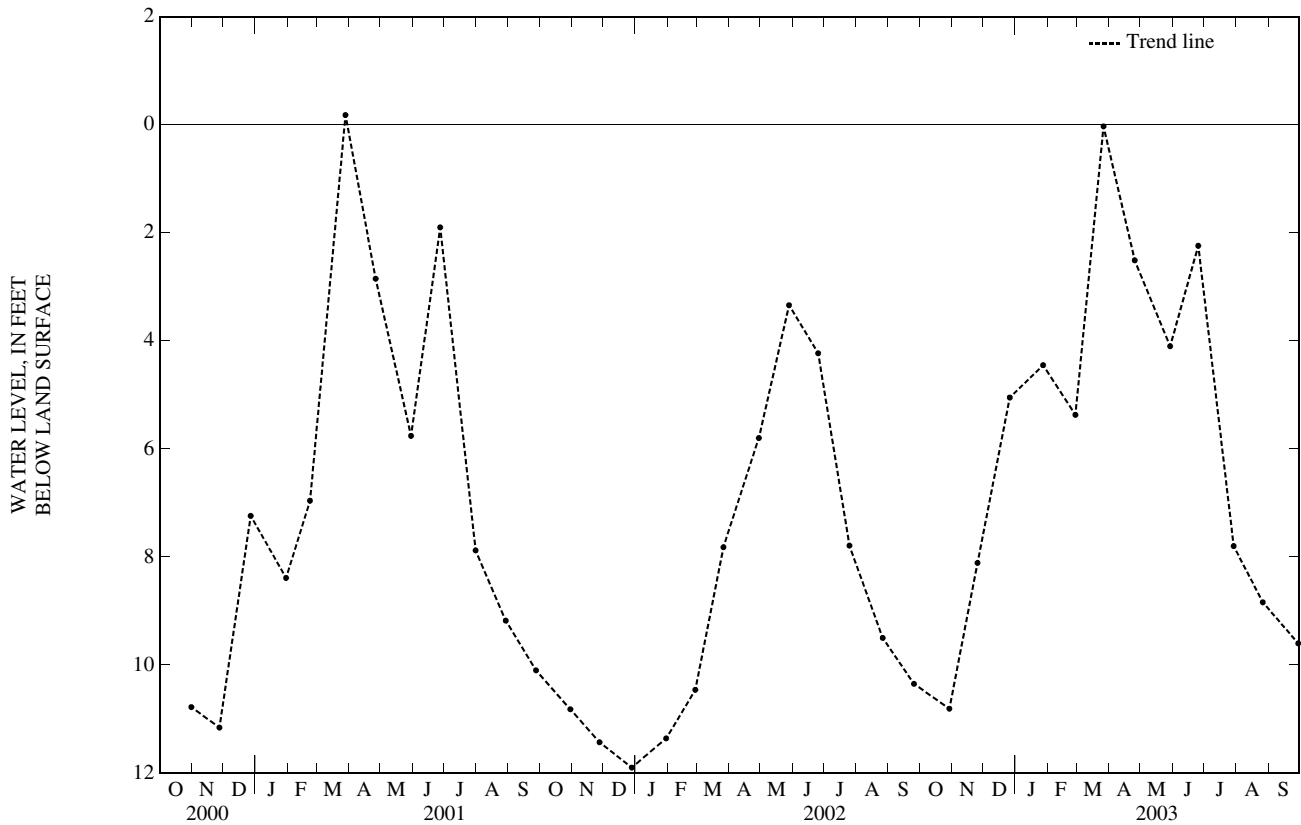
DATUM.-- Elevation of land-surface datum is 350 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 2.27 ft above land-surface datum.

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, 11.90 ft below land-surface datum, Dec. 28, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	10.81	DEC 26	5.05	FEB 27	5.37	APR 25	2.51	JUN 25	2.24	AUG 26	8.84
NOV 25	8.11	JAN 27	4.45	MAR 26	.03	MAY 29	4.10	JUL 29	7.80	SEP 29	9.60
WATER YEAR 2003 HIGHEST		0.03	MAR 26, 2003		LOWEST		10.81	OCT 29, 2002			



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.

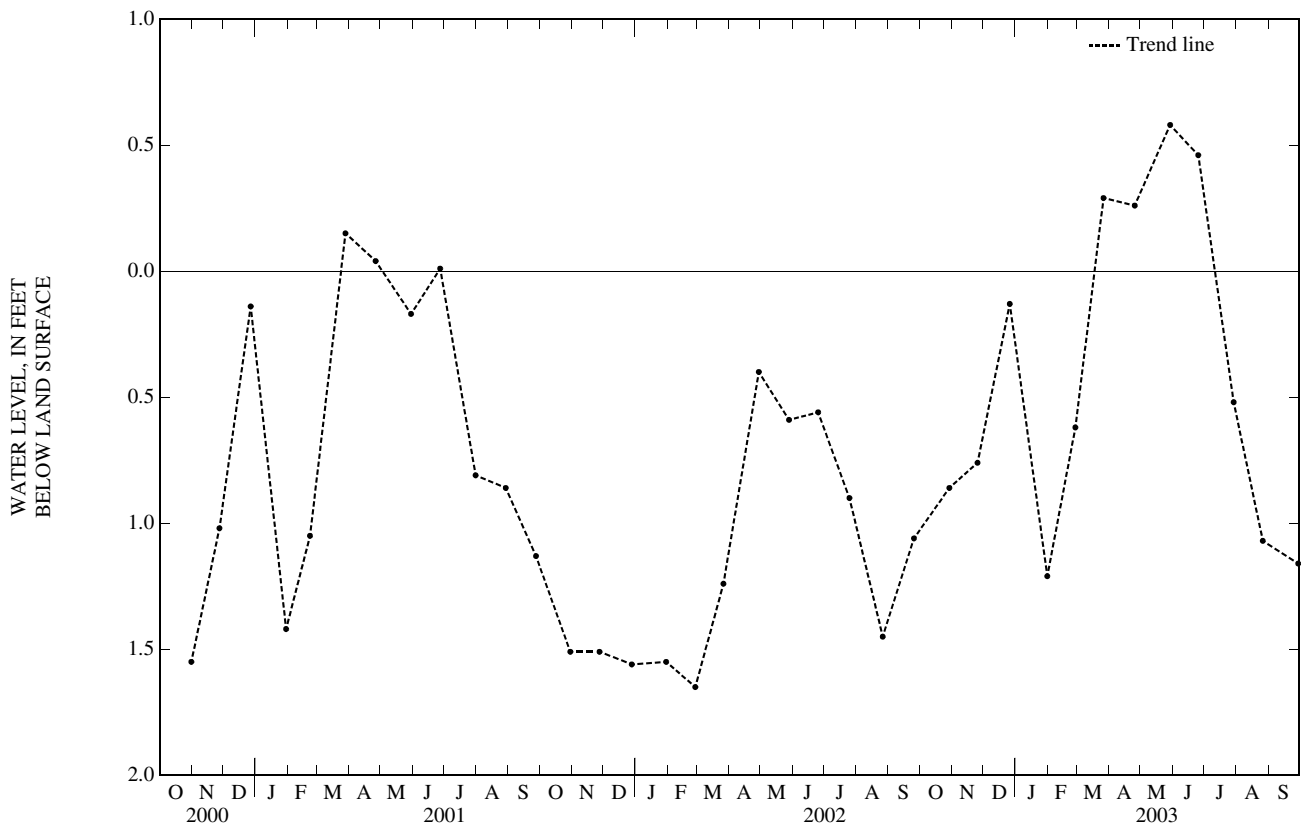
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 3.96 ft above land-surface datum.

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, Sept. 28, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+"), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	.86	DEC 26	.13	FEB 27	.62	APR 25	+.26	JUN 25	+.46	AUG 26	1.07
NOV 25	.76	JAN 31	1.21	MAR 26	+.29	MAY 29	+.58	JUL 29	.52	SEP 29	1.16
WATER YEAR 2003 HIGHEST		+.58	MAY 29, 2003 LOWEST		1.21	JAN 31, 2003					



WINDHAM COUNTY—Continued

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.

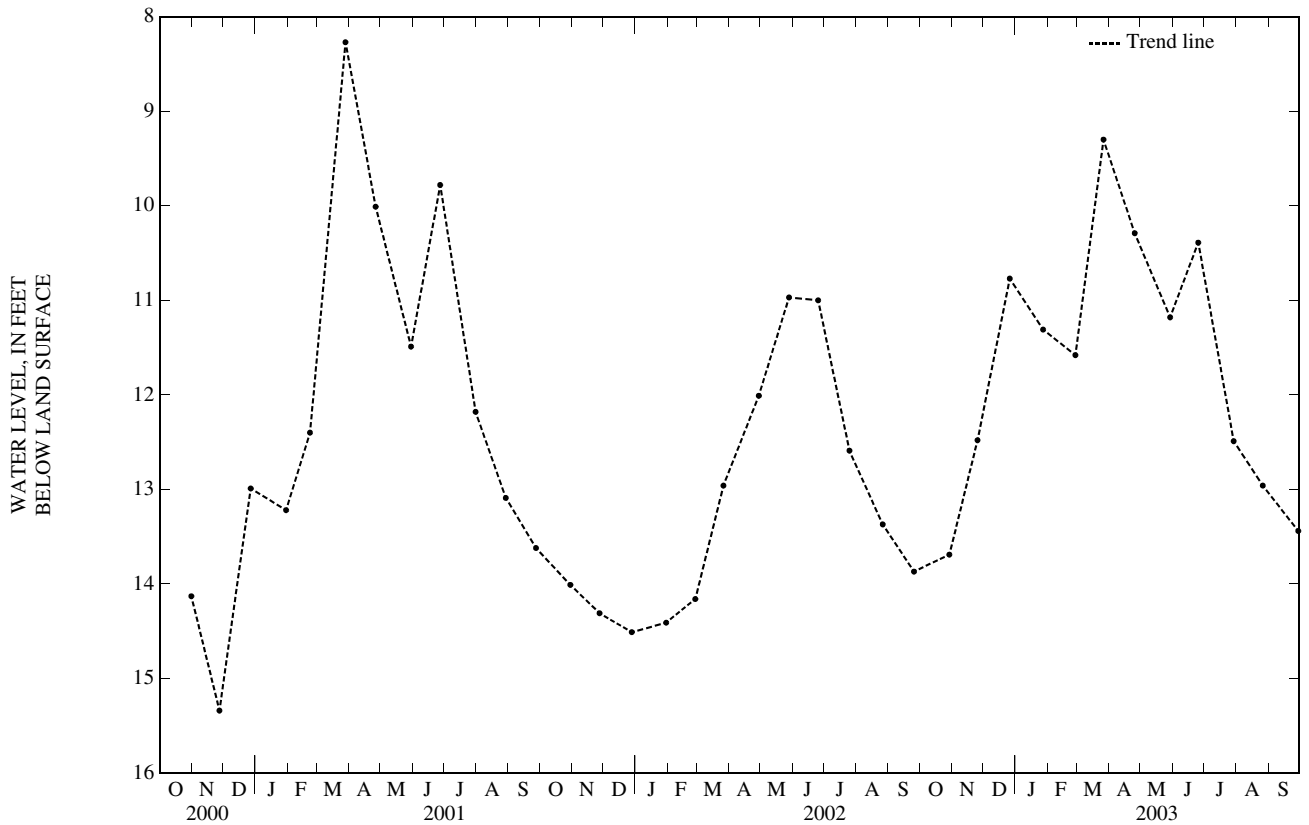
PERIOD OF RECORD.--October 1984 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	13.69	DEC 26	10.77	FEB 27	11.58	APR 25	10.29	JUN 25	10.39	AUG 26	12.96
NOV 25	12.48	JAN 27	11.31	MAR 26	9.30	MAY 29	11.18	JUL 29	12.49	SEP 29	13.44

WATER YEAR 2003 HIGHEST 9.30 MAR 26, 2003 LOWEST 13.69 OCT 29, 2002



WINDHAM COUNTY—Continued

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. Measuring point: top of protective steel casing, 0.91 ft above land-surface datum.

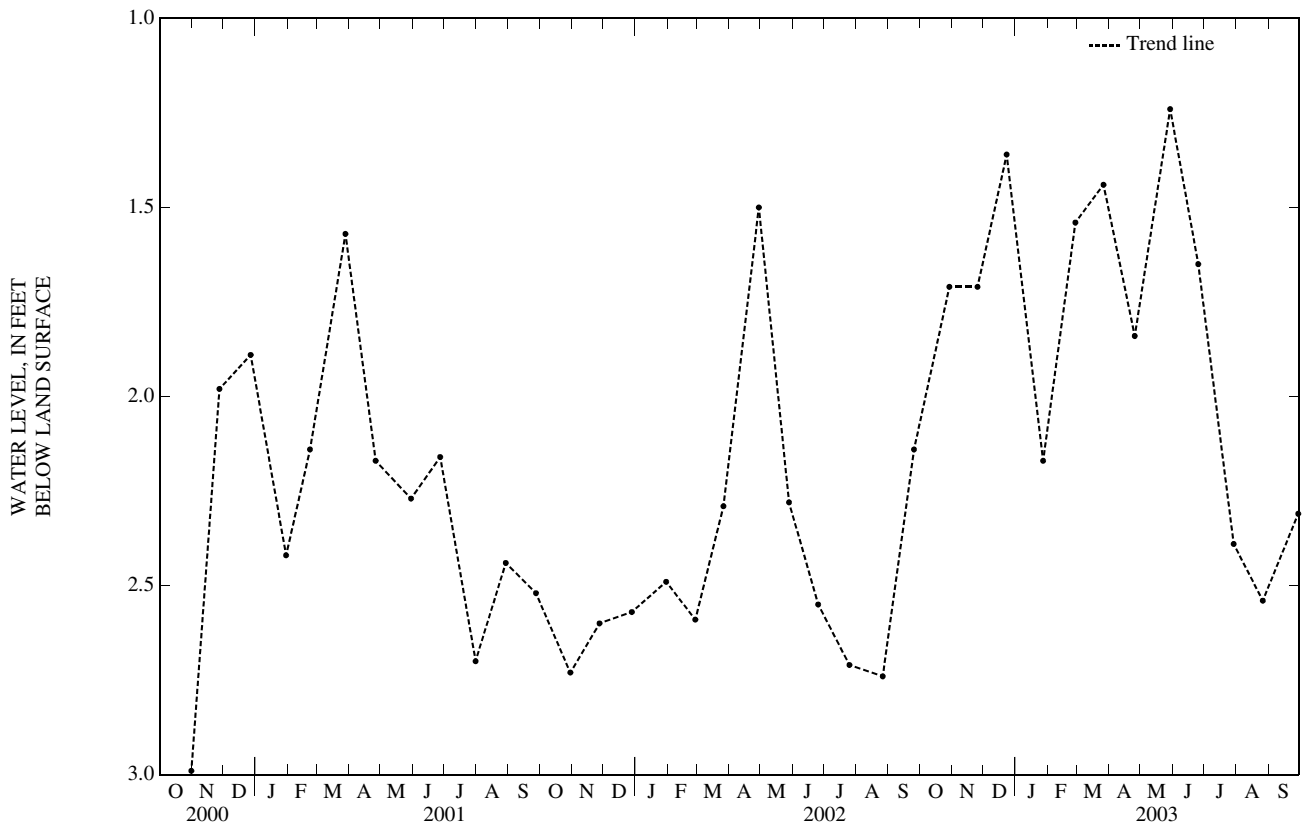
PERIOD OF RECORD.--December 1993 to current year.

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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	1.71	DEC 23	1.36	FEB 27	1.54	APR 25	1.84	JUN 25	1.65	AUG 26	2.54
NOV 25	1.71	JAN 27	2.17	MAR 26	1.44	MAY 29	1.24	JUL 29	2.39	SEP 29	2.31

WATER YEAR 2003 HIGHEST 1.24 MAY 29, 2003 LOWEST 2.54 AUG 26, 2003



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CALENDAR FOR WATER YEAR 2003

2002

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	1	2	3	4	5	7	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

2003

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28		23	24	25	26	27	28	29
														30	31					

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4					1	2	3	1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30					

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4						1	2		1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28	29	30	28	29	30				

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U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
101 Pitkin St.
East Hartford, CT 06108



1879–2004
