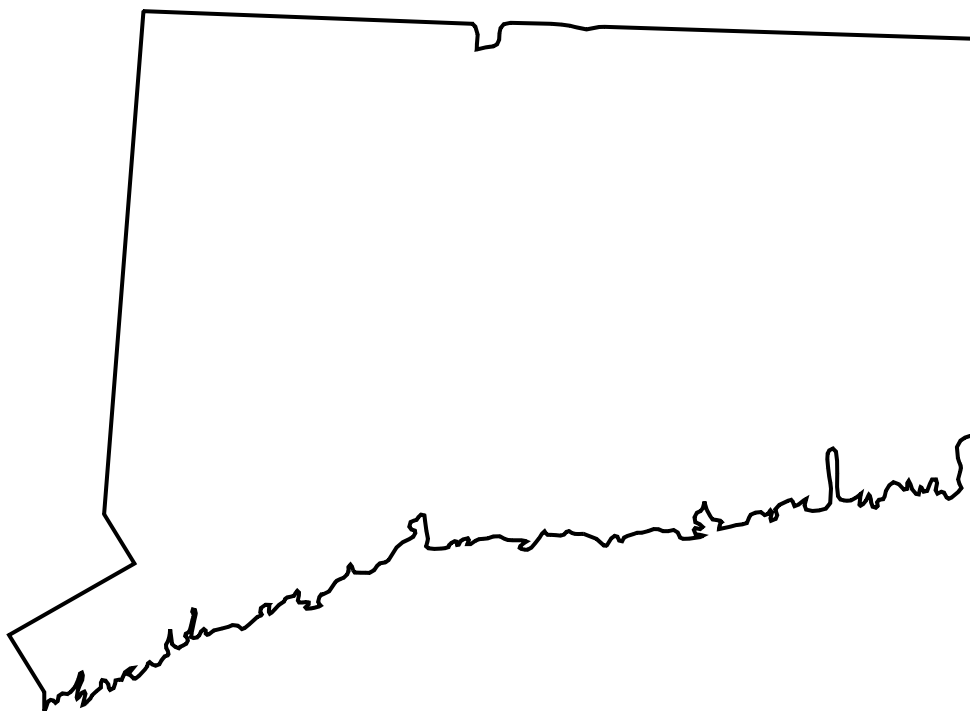


Prepared in cooperation with the State of Connecticut and other agencies

Water Resources Data Connecticut Water Year 2004



Water-Data Report CT-04-1

Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
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 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)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (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 (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	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 2004

By Jonathan Morrison, P.L. Provencher, J.W. Martin, and J.R. Norris

Water-Data Report CT-04-1

Prepared by the USGS Connecticut Water Science Center, 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

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2004

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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:

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This report was prepared in cooperation with the State of Connecticut and with other agencies under the general supervision of Virginia de Lima, Director, USGS Connecticut Water Science Center.

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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	28
POQUONOCK RIVER BASIN		
Poquonock River near Groton (e)	01119040	30
THAMES RIVER BASIN		
Willimantic River (head of Thames River):		
Willimantic River at Merrow (c,m)	01119375	32
Willimantic River near Coventry (d)	01119500	34
Natchaug River at Chaplin (c,m)	01120800	36
Mount Hope River near Warrenville (d)	01121000	38
Natchaug River at Willimantic (d)	01122000	40
Shetucket River (continuation of Willimantic River) near Willimantic (d)	01122500	42
Shetucket River at South Windham (c,m)	01122610	44
Little River near Hanover (d)	01123000	48
Quinebaug River at Quinebaug (d,c,m)	01124000	50
Quinebaug River at Red Bridge Rd near North Grosvenordale (c)	01124120	55
Quinebaug River at West Thompson (d,c)	01124151	58
French River at North Grosvenordale (d,c,m)	01125100	62
Quinebaug River at Putnam (d,c,m)	01125500	66
Quinebaug River at Cotton Rd. Bridge near Pomfret Landing (c,m)	01125520	70
Quinebaug River at Jewett City (d,c,m)	01127000	74
Yantic River at Yantic (d)	01127500	78
Reservoirs in Thames River Basin		80
CONNECTICUT RIVER BASIN		
Connecticut River:		
Connecticut River at I-391 Bridge at Holyoke, MA (d)	01172010	82
Connecticut River at Thompsonville (d,c,m)	01184000	84
Stony Brook near West Suffield (d)	01184100	96
Scantic River:		
Broad Brook at Broad Brook (d,c,m)	01184490	98
Farmington River:		
West Branch Farmington River at Riverton (d)	01186000	102
Still River at Robertsville (d)	01186500	104
Hubbard River (head of East Branch Farmington River)		
near West Hartland (d)	01187300	106
Burlington Brook near Burlington (d,c,m)	01188000	108
Farmington River at Unionville (d,c,m)	01188090	112
Pequabuck River at Forestville (d)	01189000	116
Pequabuck River at Farmington (c,m)	01189030	118
Farmington River at Tariffville (d,c,m)	01189995	120
Connecticut River at Hartford (c,m,e)	01190070	124
Hockanum River:		
Hockanum River near Rockville (c,m)	01192050	128
Hockanum River near East Hartford (d,c,m)	01192500	130
Mattabesset River:		
Mattabesset River at State Route 372 at East Berlin (c,m)	01192704	134
Coginchaug River at Middlefield (d)	01192883	136
Connecticut River near Middletown (e)	01193000	138
Salmon River near East Hampton (d,c,m)	01193500	140
Connecticut River at East Haddam (c,m)	01193750	144
East Branch Eightmile River near North Lyme (d)	01194500	146
Connecticut River at Old Lyme (e)	01194796	148
Reservoirs in Connecticut River Basin		150

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

	Station number	Page
NORTH ATLANTIC SLOPE BASINS--Continued		
INDIAN RIVER BASIN		
Indian River near Clinton (d)	01195100	152
QUINNIPIAC RIVER BASIN		
Quinnipiac River at Southington (d)	01195490	154
Quinnipiac River near Meriden (c,m)	01196222	156
Quinnipiac River at Wallingford (d,c,m)	01196500	158
Quinnipiac River at North Haven (c,m)	01196530	162
Reservoirs in Quinnipiac River Basin		164
MILL RIVER BASIN		
Mill River near Hamden (d)	01196620	166
HOUSATONIC RIVER BASIN		
Housatonic River near Ashley Falls, MA (c,m)	01198125	168
Falls Village Reservoir at Falls Village (t)	01198990	170
Housatonic River at Falls Village (d)	01199000	172
Salmon Creek at Lime Rock (d)	01199050	174
Tenmile River near Gaylordsville (d)	01200000	176
Housatonic River at Gaylordsville (d)	01200500	178
Housatonic River near New Milford (c,m)	01200600	180
Still River at State Route 7 at Brookfield Center (d,c,m)	01201487	182
Shepaug River at Peter's Dam at Woodville (d)	01202501	186
Shepaug River near Roxbury (c,m)	01203000	188
Nonewaug River at Minortown (d)	01203600	190
Weekepeemee River at Hotchkissville (d)	01203805	192
Pomperaug River at Southbury (d)	01204000	194
Housatonic River at Stevenson (d,c,m)	01205500	196
Naugatuck River:		
Naugatuck River at Thomaston (d)	01206900	200
Naugatuck River near Waterville (c,m)	01208049	202
Naugatuck River below Fulling Mill Brook at Union City (c,m)	01208370	204
Naugatuck River at Beacon Falls (d,c,m)	01208500	208
Naugatuck River at Ansonia (c,m)	01208736	213
Reservoirs in Housatonic River Basin		215
ROOSTER RIVER BASIN		
Rooster River at Fairfield (d)	01208873	218
MILL RIVER BASIN		
Mill River near Fairfield (d)	01208925	220
SASCO BROOK BASIN		
Sasco Brook near Southport (d)	01208950	222
SAUGATUCK RIVER BASIN		
Saugatuck River near Redding (d,c,m)	01208990	224
NORWALK RIVER BASIN		
Ridgefield Brook at Shields Lane at Ridgefield (d)	012095493	228
Norwalk River at South Wilton (d)	01209700	230
Norwalk River at Winnipauk (c,m)	01209710	236
FIVEMILE RIVER BASIN		
Fivemile River near New Canaan (d)	01209761	246
RIPPOWAM RIVER BASIN		
Rippowam River at Stamford (d)	01209901	248

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

GROUND-WATER LEVELS

	Page
FAIRFIELD COUNTY	
Well 413007073250501 Local number BD8	297
Well 411256073153101 Local number FF23	298
Well 411124073172201 Local number FF30	299
Well 411118073175801 Local number FF31	300
Well 411103073181301 Local number FF32	301
Well 411058073182001 Local number FF33	302
Well 410628073413301 Local number GW21	303
Well 410443073414101 Local number GW22	305
Well 410515073415901 Local number GW23	306
Well 412429073165101 Local number NT15	307
HARTFORD COUNTY	
Well 414615072581601 Local number BU2	308
Well 414704072580501 Local number BU143	309
Well 414649072574401 Local number BU144	310
Well 415450072332201 Local number EW133	311
Well 415548072311301 Local number EW134	312
Well 415649072494801 Local number GR328	313
Well 415647072495901 Local number GR329	314
Well 415643072502201 Local number GR330	315
Well 415653072501701 Local number GR331	316
Well 413535072253701 Local number MB32	317
Well 413554072270201 Local number MB35	319
Well 413518072264501 Local number MB36	320
Well 413724072551101 Local number SW64	321
LITCHFIELD COUNTY	
Well 420125073193001 Local number NOC7	322
Well 415925073252001 Local number SY15	323
Well 415559073253401 Local number SY23	324
Well 415956073241501 Local number SY24	325
Well 413202073122401 Local number WY1	326
MIDDLESEX COUNTY	
Well 411832072325501 Local number CL223	327
Well 411826072322401 Local number CL224	328
Well 411735072315001 Local number CL225	329
Well 412809072420701 Local number D116	330
Well 412825072410501 Local number D117	331
Well 412724072411902 Local number D119	332
Well 412824072411901 Local number D120	333
Well 413033072432001 Local number MF1	334
Well 413254072335501 Local number MT261	335
NEW HAVEN COUNTY	
Well 412423072542801 Local number HM445	336
Well 412546072541702 Local number HM446	337
Well 412546072541701 Local number HM447	338
Well 412541072542001 Local number HM448	339
Well 412417072541901 Local number HM449	340
Well 412417072541902 Local number HM450	341
Well 412307072515201 Local number NHV201	342
Well 412954073125201 Local number SB30	343
Well 413002073131001 Local number SB39	344
Well 412935073122701 Local number SB41	345

**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	346
Well 413134073021701 Local number WB93	348
Well 413245072584201 Local number WB198	349

NEW LONDON COUNTY

Well 413457072252201 Local number CO335	350
Well 412013072030601 Local number GT19	351
Well 412931071514201 Local number NSN77	352
Well 412746071510601 Local number NSN78	354
Well 412824072173301 Local number SM7	355

TOLLAND COUNTY

Well 414833072190301 Local number CV51	356
Well 415458072291901 Local number EL82	357
Well 415640072275801 Local number EL139	358
Well 415312072280201 Local number EL140	359
Well 414548072114501 Local number MS19	360
Well 414741072134501 Local number MS44	361
Well 414825072185601 Local number MS45	363
Well 414825072185602 Local number MS46	364
Well 414843072182601 Local number MS74	365
Well 414815072183401 Local number MS75	366
Well 414814072183101 Local number MS76	367
Well 414844072182701 Local number MS77	368
Well 414831072173002 Local number MS80	369

WINDHAM COUNTY

Well 414054071552001 Local number PL1	371
Well 414243072040501 Local number SC19	372
Well 414237072034401 Local number SC20	373
Well 414240072032201 Local number SC21	374
Well 414240072033201 Local number SC22	375
Well 414240072032202 Local number SC23	376

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 (SQUARE 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
01193050	Connecticut River at Middle Haddam	10,897	1967-03
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

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			
01200000	Tenmile River near Gaylordsville	203	1959; 1973-75; 1980
01201485	Still River at Brookfield Center	60.6	1971-72; 1974-92
01204000	Pomperaug River at Southbury	75.1	1961; 1965-74
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 Discipline 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 42 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 20 ungaged stream sites, and temperature at 1 reservoir site; and (4) water-level records for 74 observation wells. Additional data are published for 3 miscellaneous surface-water sites and for 60 miscellaneous ground-water sites, which were not part of the systematic data-collection program.

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-04-1." 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 Water Science Center, by writing to the address given on the back of the title page 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**, Joxel Garcia, Commissioner.
- **U.S. Army Corps of Engineers**, Paul Marinelli, Chief, Reservoir Control Center.
- **Town of Fairfield, Conservation Commission**, Thomas J. Steinke, Conservation Director.
- **City of Hartford**, Lee C. Erdmann, City Manager.
- **Town of Ledyard**, Steve Masalin, Town Engineer.
- **City of Holyoke (Mass.)**, Paul Ducheneay, 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**, John J. Lescoe, First Selectman.
- **Town of Woodbury**, Richard W. Crane, First Selectman.
- **Metropolitan District Commission**, James Randazzo, 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.

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

[+, above normal, within the highest 25 percent of record for this month; -, below normal, within the lowest 25 percent of record for this month; N, normal, within the 25- to 75-percentile range; NM, no measurements]

Above-to near-normal precipitation measured at Bradley Airport for October through December of 2003 (Oct.— +1.22 in.; Nov.— -0.92 in.; Dec.— +1.36 in.) maintained ground-water levels in the above-normal range for the majority of observation wells. Below to near-normal precipitation for January through March (Jan.— -2.37 in.; Feb.— -1.20 in.; Mar.— -1.00 in.) caused ground-water levels to fall to the normal range for most wells. Precipitation was much above normal in April (+1.60 in.) but near or below normal for the rest of the spring and early summer (May— -1.23 in.; June— -1.64 in.; July— +0.60 in.), and ground-water levels were mostly normal. Above-normal precipitation in late summer and early fall (Aug.— +0.29 in.; Sept.— +4.13 in.) caused ground-water levels to rise towards the end of the water year.

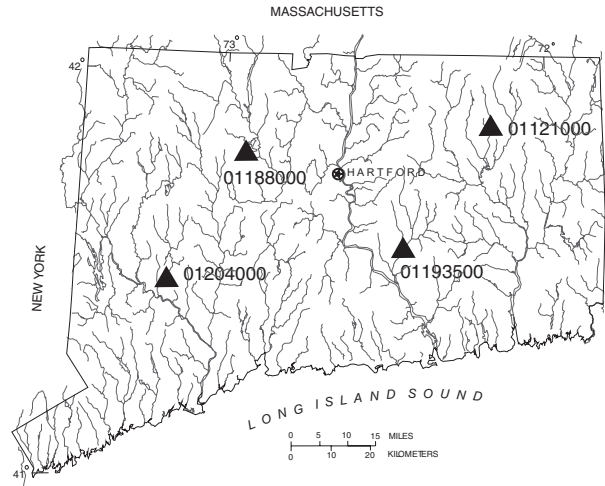
Floods and Droughts

FLOODS—Although it was an active year for hurricanes and tropical storms in New England (calendar year 2004—Tropical Storm Bonnie, Hurricane Charley, and Tropical Storm Hermine), there was no widespread flooding in Connecticut in water year 2004. The recurrence intervals of the maximum peak streamflows for streamflow-gaging stations throughout Connecticut were less than 2 to 5 years (peak streamflow having more than a 50- to 20-percent chance of being equaled or exceeded in any given year). Only basins with no flood control or minor flood control are used to determine the recurrence intervals of the maximum peak streamflows for the water year.

DROUGHTS - There were no hydrologic droughts or periods (2 months or more) of severe droughts in water year 2004 in Connecticut.

Streamflow

Streamflow was measured at four index stations during the 2004 water year. The four stations are Mount Hope River near Warrenville, 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). Streamflow at Mount Hope River and Burlington Brook are natural flow. Streamflow at Salmon River and Pomperaug River have some alterations to the natural flow occasionally affecting low flows. Streamflow levels at the four gaging stations were generally above normal for the beginning of water year through December 2003. Rainfall and snowfall amounts were below normal during January, February, and March; yet, streamflow remained in the normal range. In April, Connecticut received more than normal precipitation (+ 1.60 inches departure from normal) causing streamflow at the index stations to be above normal. In May through August, rainfall was near normal and streamflow levels were normal. September was a wet month with rainfall monthly totals much above normal (+ 4.13 inches departure from normal). Streamflow levels were above normal for August and September. The frequencies of the maximum peak streamflows during the water year at the four index stations were about a 5-year recurrence interval (peak streamflow having a 20-percent chance of being equaled or exceeded in any given year).



Monthly mean discharge for water year 2004 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	+	+	+
Salmon River (July 1928 to current year)	+	+	+	N	N	N	+	+	N	N	+	+
Burlington Brook Sept. 1931 to current year)	+	+	+	N	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 2004 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	N
Burlington Brook Sept. 1931 to current year)	+	+	+	N	N	N	N	N	N	N	N	N
Pomperaug River (June 1932 to current year)	+	+	+	N	N	-	N	N	N	N	N	N

Table 1. Monthly mean and 30-year mean monthly discharges for index stations in Connecticut, water year 2004.

[Discharges in cubic feet per second; long-term mean monthly discharges are defined as the mean of 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 2004	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2004	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2004	MEAN MONTHLY 1971-00	MONTHLY MEAN WY 2004	MEAN MONTHLY 1971-00
October	59.1	34.4	14.6	6.62	230	102	218	92.8
November	52.5	53.6	14.9	9.02	225	182	274	128
December	109	72.9	19.5	10.2	405	255	355	174
January	47.8	85.4	7.16	10.8	167	301	147	191
February	57.7	76.8	5.19	10.2	196	280	92.5	176
March	72.1	109	10.5	16.9	226	374	155	263
April	168	93.2	19.7	15.2	595	346	276	243
May	70.1	60.2	9.57	11.3	264	239	125	165
June	19.8	41.0	4.82	7.30	78.6	165	48.1	109
July	17.5	17.4	3.26	4.07	42.9	70.5	24.5	60.1
August	27.3	16.6	4.56	4.08	93.2	63.6	40.1	53.5
September	50.1	17.9	7.93	4.72	132	59.9	75.4	58.1

Table 2. Monthly median and 30-year median monthly discharges for index stations in Connecticut, water year 2004.

[Discharges in cubic feet per second; long-term median monthly discharges are defined as the median of 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 2004	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2004	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2004	MEDIAN MONTHLY 1971-00	MONTHLY MEDIAN WY 2004	MEDIAN MONTHLY 1971-00
October	29.0	21.7	7.50	5.74	101	73.9	123	73.7
November	47	47.5	11.0	8.46	204	167	238	116
December	85.0	60.3	12.0	8.01	318	209	265	145
January	35	83.1	5.9	10.6	128	292	125	180
February	40	74.8	4.6	10.5	160	253	76.0	168
March	63	91.3	8.5	15.8	198	333	124	220
April	113	85.8	12.5	13.9	398	312	207	211
May	63	58.5	7.5	10.0	234	223	121	152
June	13.5	21.8	3.5	4.97	55	91.0	38	69.2
July	13.0	13.4	2.8	3.16	33	46.8	19	39.7
August	14.0	10.8	2.7	3.42	42	46.2	19	39.0
September	14.0	12.5	2.9	2.65	46	58.3	29.5	36.2

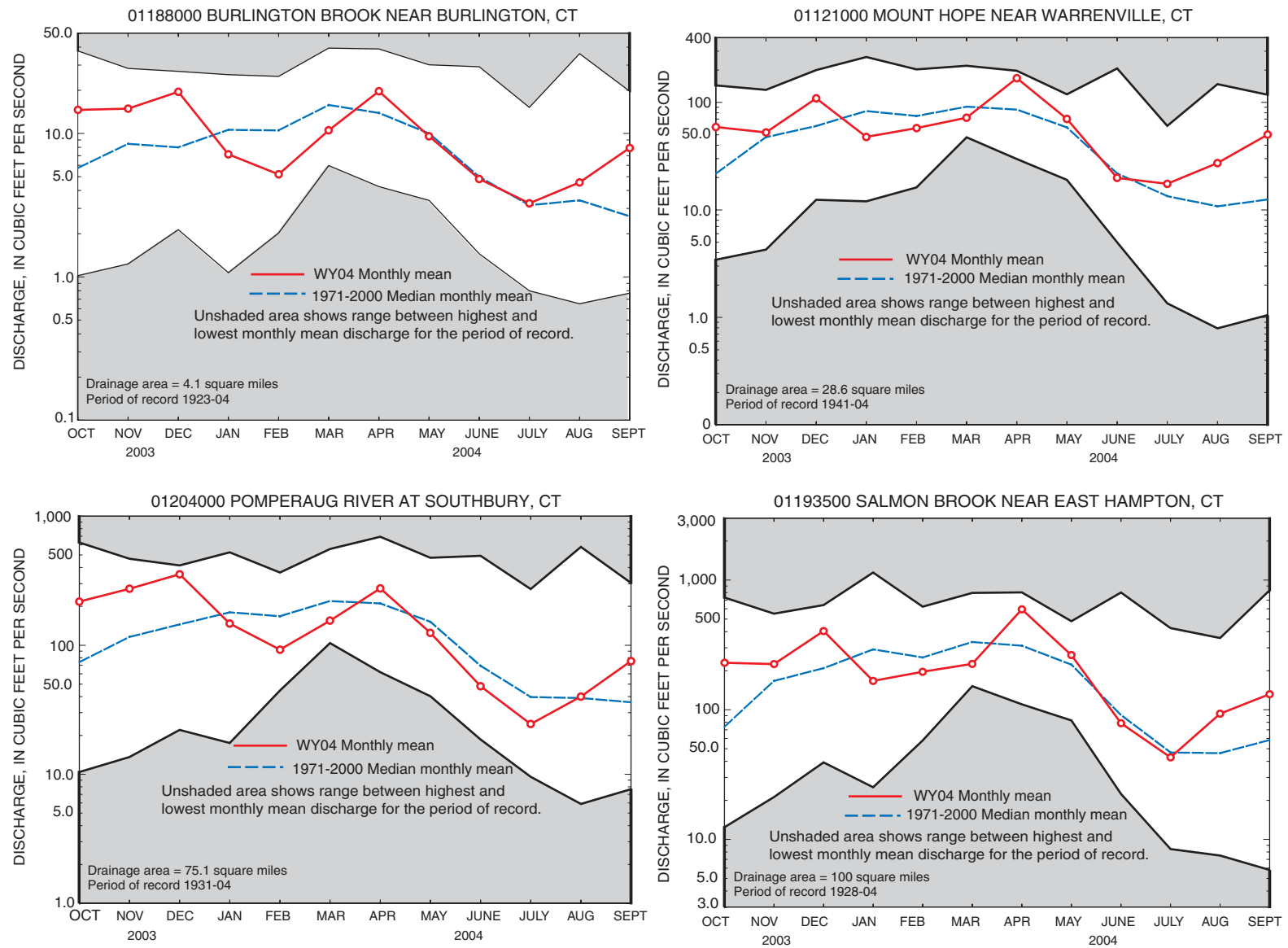


Figure 1. Comparison of monthly mean discharge in water year 2004 to long-term median monthly mean discharge for 30-year period and to highest and lowest monthly mean discharge for period of record at four index stations in Connecticut.

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 provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from 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 2004 water year that began October 1, 2003 and ended September 30, 2004. 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

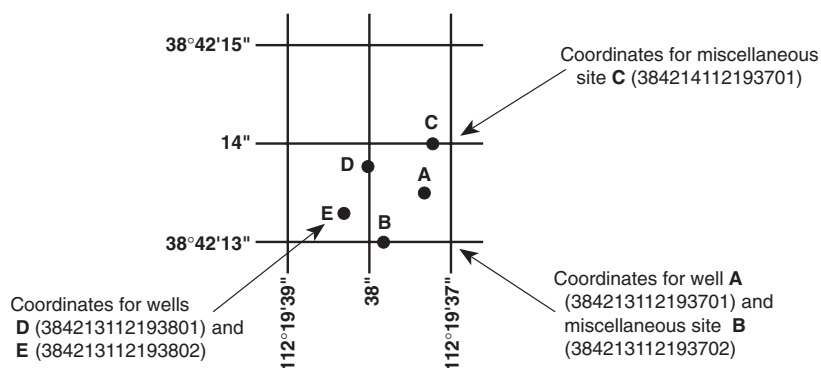
Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream 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 (diagram below). 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.



System for numbering wells and miscellaneous sites (latitude and longitude).

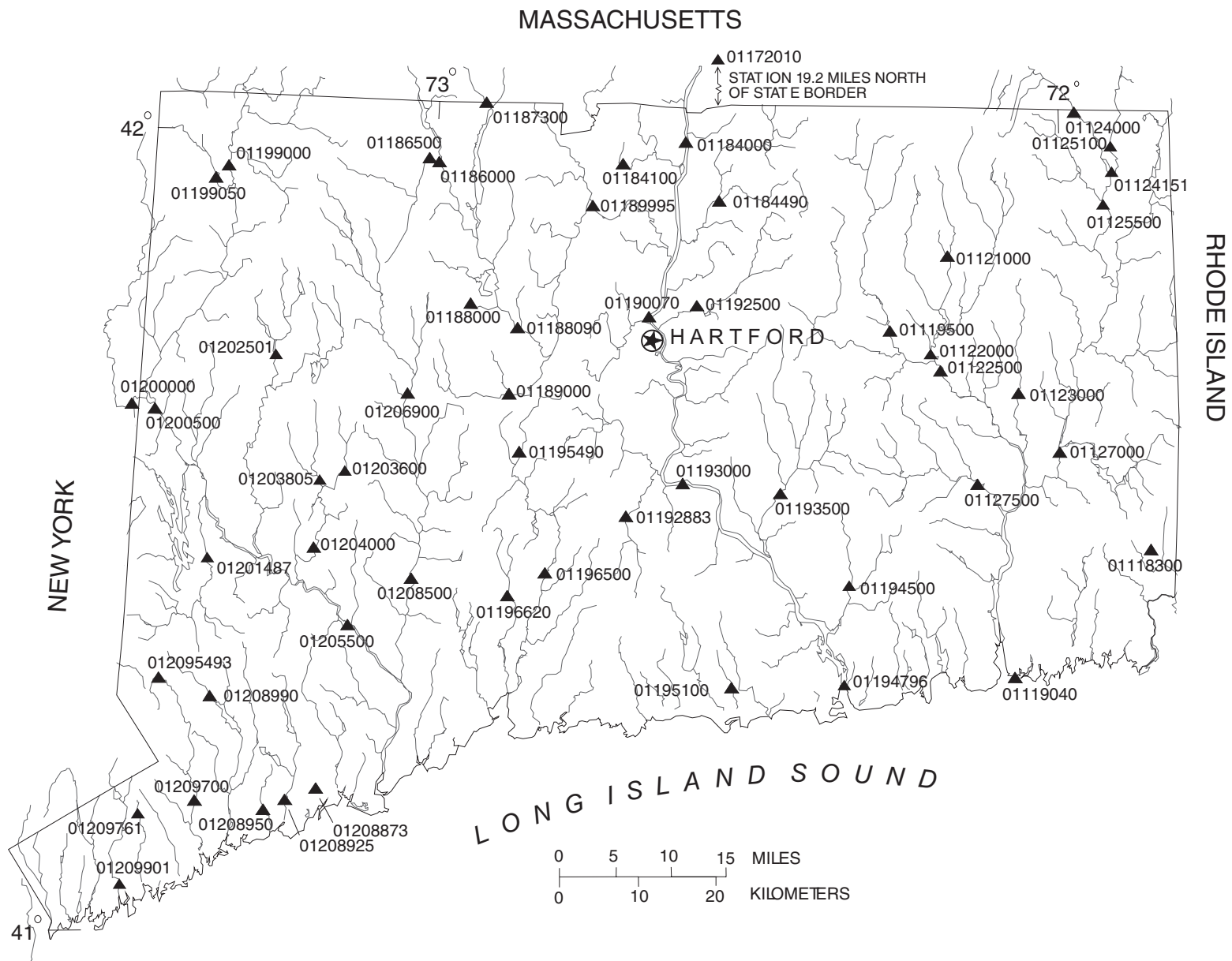


Figure 2. Location of active surface-water gaging stations.

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 Warrenville, 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

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 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, which may be accessed from <http://water.usgs.gov/pubs/twri/>. 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 USGS Connecticut Water

Science Center (address given on the back of the title page 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 USGS Connecticut Water Science Center. 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 USGS Connecticut Water Science Center (see address that is shown on the back of the title page 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 TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

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 are 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

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.

Rating classifications for continuous water-quality records.

[$\leq$, less than or equal to; $\pm$, plus or minus value shown; $^{\circ}\text{C}$, degree Celsius; $>$, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	$\leq \pm 0.2^{\circ}\text{C}$	$> \pm 0.2$ to 0.5°C	$> \pm 0.5$ to 0.8°C	$> \pm 0.8^{\circ}\text{C}$
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%	$> \pm 15\%$

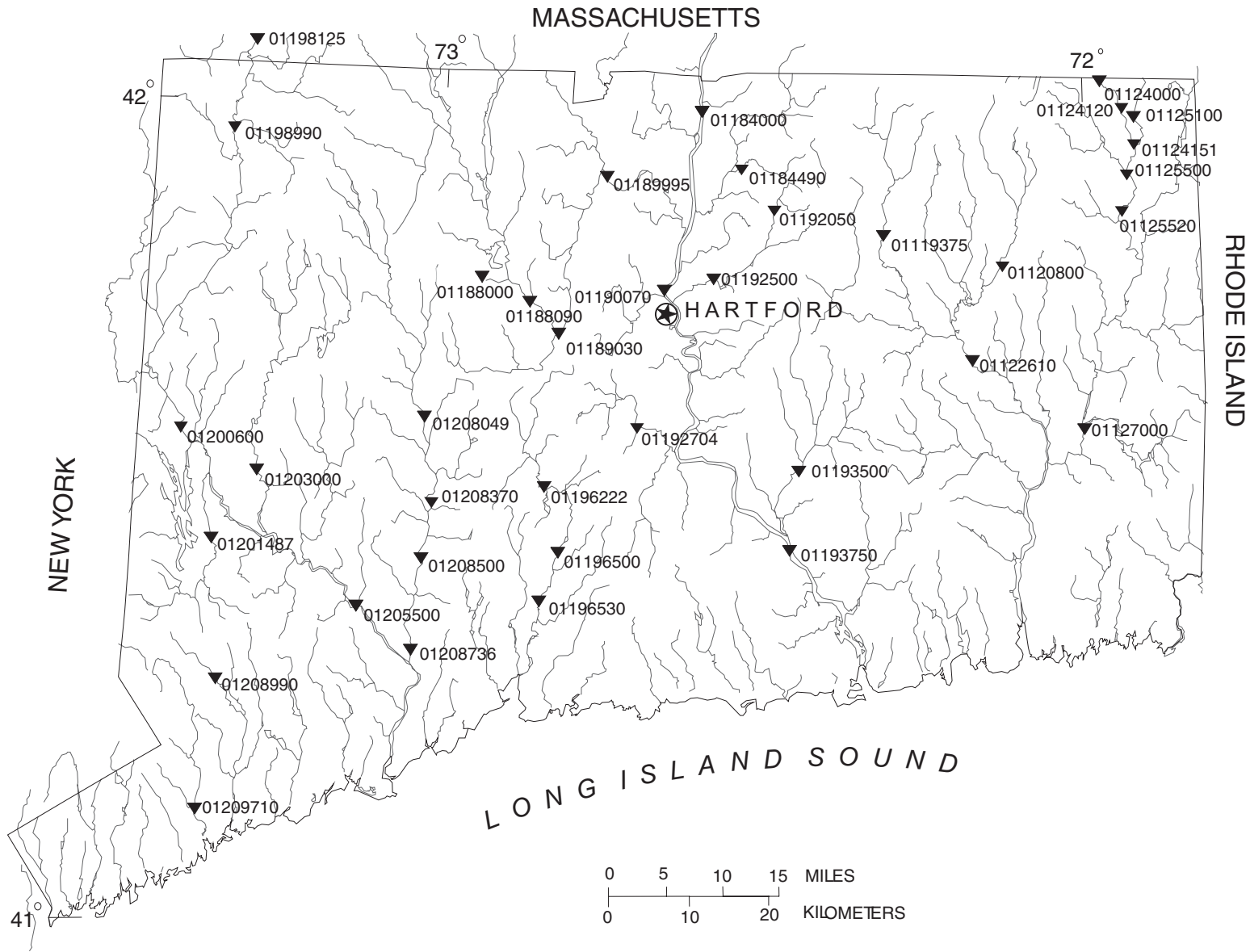


Figure 3. Location of active surface-water-quality stations.

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
 01124120 Quinebaug River at Red Bridge Rd near North Grosvenordale, 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
 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. Most of the methods used for collecting and analyzing water samples are described in the TWRI's, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Connecticut Water Science Center (see address that is shown on the back of title page in 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 USGS Connecticut Water Science Center.

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. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. 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.

Remarks Codes.

[The following remarks codes may appear with the water-quality data in this section]

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

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 the USGS Connecticut Water Science Center 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 USGS Connecticut Water Science Center.

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 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 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 TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. 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 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

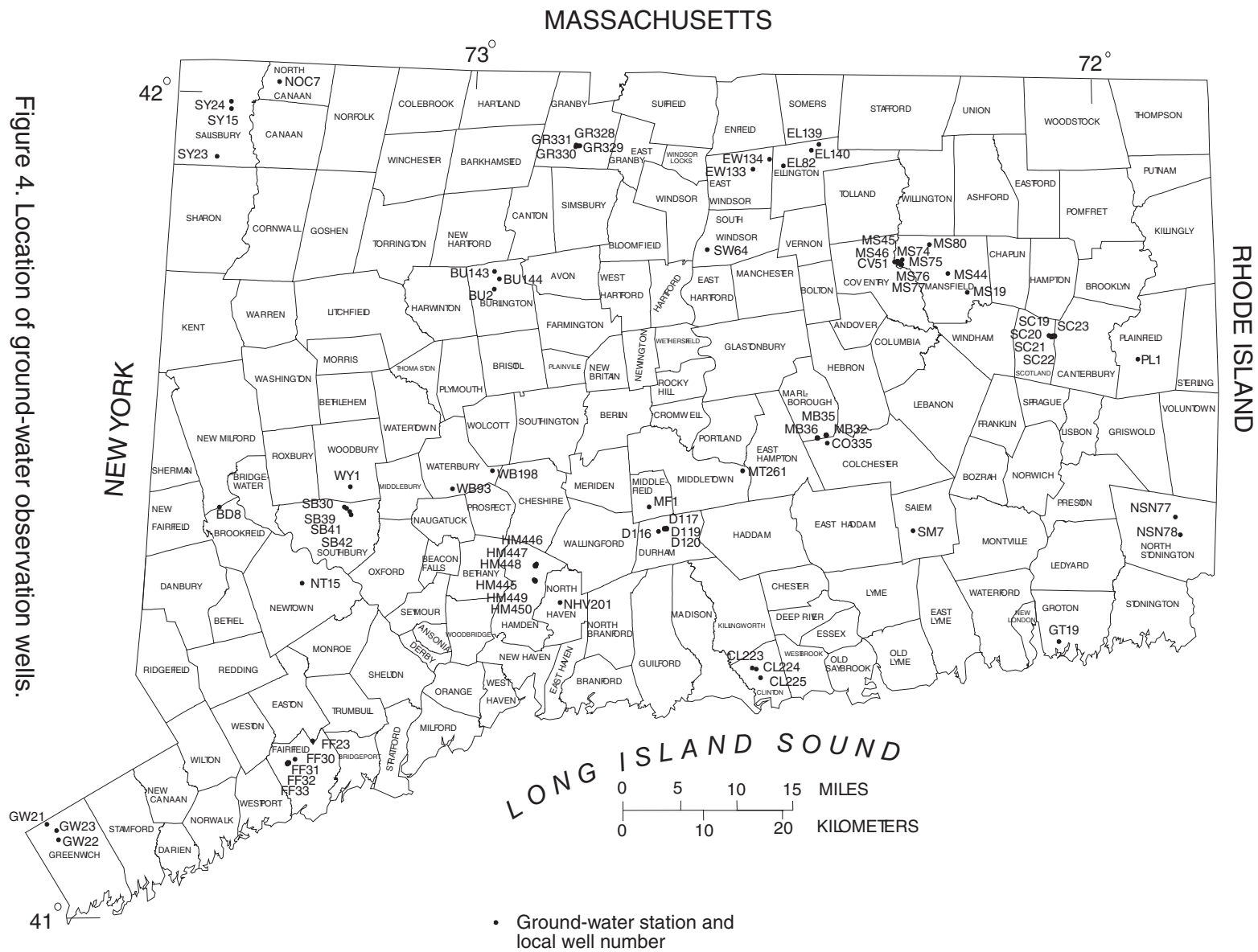


Figure 4. Location of ground-water observation wells.

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 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

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, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4, and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS Connecticut Water Science Center (see address shown on back of title page in 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; and Book 5, Chapters A1, A3, and A4, which may be accessed at <http://water.usgs.gov/pubs/twri/>.

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 Science Center (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from http://water.usgs.gov/ADR_Defs_2004.pdf. 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>.

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.

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.

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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)
Oct 29	1430	93	3.47	Apr 13	2130	*280	*6.47
Apr 1	2045	91	3.44				

Minimum discharge, 0.26 ft³/s, Aug. 4, 5, Sept. 5, 6, 7, gage height, 0.95 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	19	6.3	11	e2.7	e5.3	61	11	7.5	0.64	0.33	0.53
2	1.9	15	5.6	11	e3.1	e6.1	56	13	7.0	0.60	0.37	0.39
3	1.7	13	4.7	10	e3.4	e5.9	35	17	6.2	0.62	0.30	0.34
4	1.6	11	4.4	11	9.0	e6.8	29	25	5.2	0.52	0.27	0.32
5	1.7	12	4.3	18	7.8	e6.7	25	18	4.2	0.85	6.2	0.29
6	1.5	15	4.8	17	11	14	19	14	3.8	1.2	2.7	0.26
7	1.4	13	4.9	12	31	13	16	12	3.5	0.79	1.2	0.34
8	1.4	10	4.9	9.4	21	10	14	9.8	3.1	0.64	0.76	0.38
9	1.4	8.7	5.0	e7.0	14	8.1	12	9.4	2.7	0.60	0.54	0.95
10	1.4	7.9	5.5	e4.7	12	6.8	11	8.9	2.4	0.46	0.40	0.90
11	1.4	7.7	23	e4.2	11	6.2	9.9	8.3	2.2	0.39	0.36	0.51
12	1.5	8.5	29	e4.8	9.3	5.7	9.3	7.7	2.0	0.36	0.36	0.38
13	1.8	12	18	e5.4	8.2	5.1	83	7.4	1.8	2.2	0.36	0.34
14	1.6	10	13	e4.7	7.8	4.7	125	6.3	2.6	3.2	0.46	0.31
15	10	8.7	34	e4.3	7.1	4.7	57	6.0	3.1	1.8	5.8	0.29
16	6.9	7.4	25	e4.5	6.3	4.7	37	5.4	2.2	1.2	4.2	0.53
17	4.3	6.9	28	e4.8	5.4	4.8	29	5.0	1.9	0.86	2.8	0.69
18	5.3	6.6	49	e4.5	e4.7	4.7	25	5.0	2.1	0.67	1.7	9.0
19	4.5	6.7	30	e4.2	e4.2	4.9	21	5.7	4.1	0.64	1.2	8.1
20	4.0	9.4	22	e3.7	e4.1	5.3	19	4.9	2.3	0.62	1.1	3.0
21	3.5	9.4	18	e3.5	e5.1	17	16	4.6	1.7	0.47	2.2	1.8
22	3.6	7.8	16	e4.5	e5.4	14	14	5.0	1.6	0.38	4.2	1.2
23	3.3	6.8	15	e5.0	e5.5	9.5	14	4.3	1.7	0.35	2.0	0.91
24	2.9	6.3	21	e4.4	e5.1	7.7	18	4.2	1.3	0.38	1.2	0.73
25	2.6	6.9	32	e3.5	e4.8	6.9	14	4.0	1.1	0.49	0.85	0.65
26	2.6	6.3	23	e3.1	e4.1	6.4	21	3.6	1.1	0.38	0.66	0.61
27	12	5.9	18	e2.8	e4.4	7.0	27	7.1	1.0	0.30	0.58	0.53
28	18	5.9	15	e3.2	e4.4	6.5	19	11	0.82	0.48	0.53	1.5
29	58	8.6	13	e2.8	e4.7	5.8	14	12	0.79	0.54	0.48	28
30	42	7.2	13	e2.7	---	5.4	12	7.4	0.71	0.40	0.43	16
31	26	---	12	e3.2	---	20	---	5.1	---	0.34	0.56	---
TOTAL	232.0	279.6	517.4	194.9	226.6	239.7	862.2	268.1	81.72	23.37	45.10	79.78
MEAN	7.48	9.32	16.7	6.29	7.81	7.73	28.7	8.65	2.72	0.75	1.45	2.66
MAX	58	19	49	18	31	20	125	25	7.5	3.2	6.2	28
MIN	1.4	5.9	4.3	2.7	2.7	4.7	9.3	3.6	0.71	0.30	0.27	0.26
CFSM	1.86	2.32	4.15	1.56	1.94	1.92	7.15	2.15	0.68	0.19	0.36	0.66
IN.	2.15	2.59	4.79	1.80	2.10	2.22	7.98	2.48	0.76	0.22	0.42	0.74

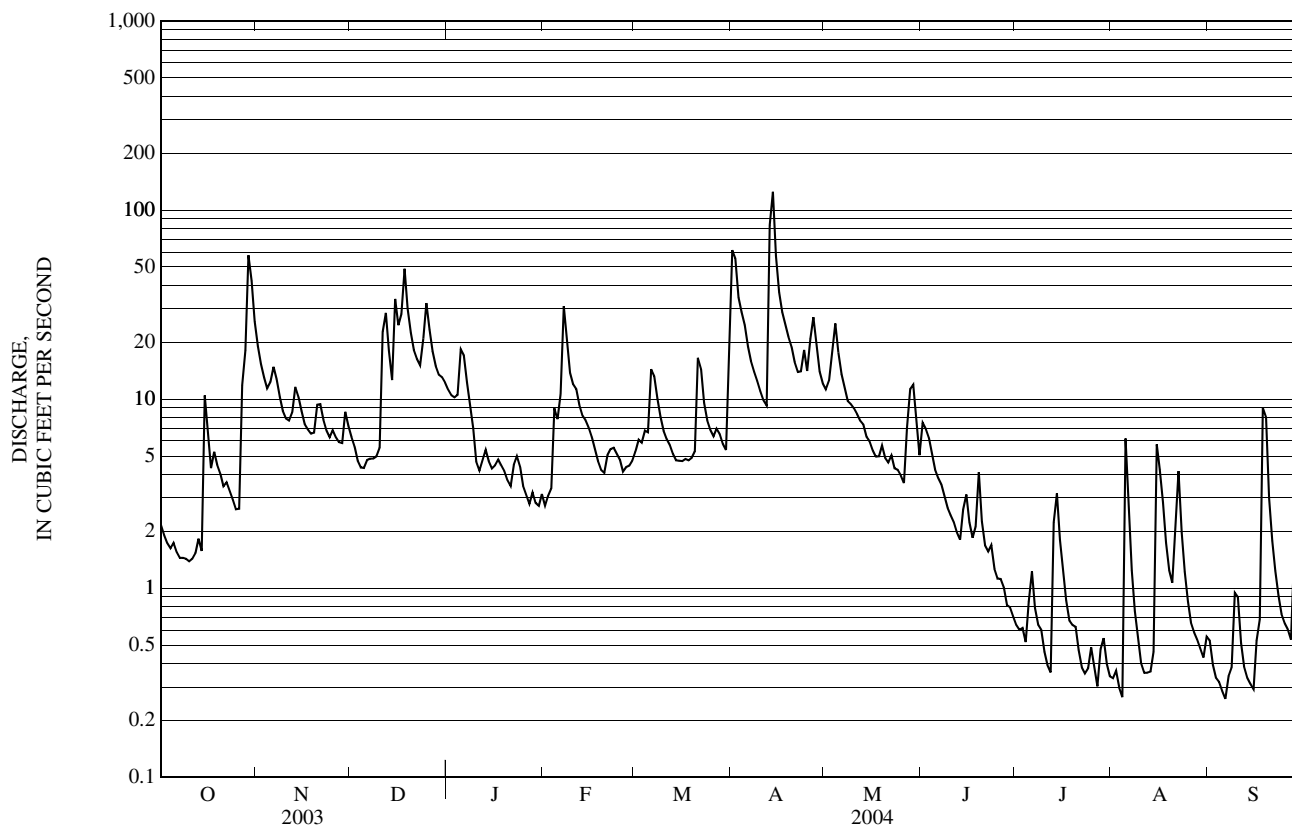
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

	3.76	7.82	11.9	11.9	12.2	16.3	15.6	10.5	6.73	2.54	2.10	2.16
MEAN	3.76	7.82	11.9	11.9	12.2	16.3	15.6	10.5	6.73	2.54	2.10	2.16
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	0.05
(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1959 - 2004	
ANNUAL TOTAL	3,816.1		3,050.47		8.60	
ANNUAL MEAN	10.5		8.33		13.1	
HIGHEST ANNUAL MEAN					4.30	
LOWEST ANNUAL MEAN					251	
HIGHEST DAILY MEAN	58	Oct 29	125	Apr 14	251	Mar 18, 1968
LOWEST DAILY MEAN	1.4	Oct 7	0.26	Sep 6	0.01	Sep 9, 1980
ANNUAL SEVEN-DAY MINIMUM	1.4	Oct 6	0.33	Sep 2	0.01	Sep 9, 1980
MAXIMUM PEAK FLOW			280	Apr 13	375	Jun 5, 1982
MAXIMUM PEAK STAGE			6.47	Apr 13	6.73	Jun 5, 1982
INSTANTANEOUS LOW FLOW			0.26	Aug 4	0.00	Aug 22, 1987
ANNUAL RUNOFF (CFSM)	2.60		2.07		2.14	
ANNUAL RUNOFF (INCHES)	35.31		28.23		29.05	
10 PERCENT EXCEEDS	23		19		19	
50 PERCENT EXCEEDS	7.5		4.9		5.7	
90 PERCENT EXCEEDS	2.4		0.52		0.58	



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 recording gage is sea level. 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.--Records good, except for period of missing record. Stage data in feet at 5-minute intervals available upon request.

EXTREMES FOR PERIOD OF RECORD.-- Maximum tidal elevation, 6.63 ft, Feb. 6, 1978; minimum, -5.02 ft, Feb. 2, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum tidal elevation, 9.7 ft, Sept. 21, 1938 at site 2.7 mi upstream on Thames River at New London Pier and at same datum, gage operated by National Ocean Survey.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.51 ft, Dec. 6; minimum, -2.21 ft, Nov. 29.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3.07	-0.24	2.28	-0.24	1.98	-1.18	1.05	-0.98	1.42	-0.61	1.81	-0.19
2	3.08	-0.72	2.10	-0.19	1.38	-1.57	2.28	-0.14	1.81	-0.26	2.06	-0.24
3	2.75	-0.06	2.35	-0.02	1.73	-1.28	2.58	-0.05	2.79	-0.27	1.63	-0.70
4	2.97	-0.40	2.68	0.11	1.87	-0.82	2.55	-0.31	1.98	-0.65	1.87	-0.57
5	2.35	-0.34	2.91	0.32	2.54	-0.60	2.98	0.09	1.18	-1.66	2.32	-0.41
6	2.18	-0.31	2.72	-0.17	4.51	1.36	2.19	-0.50	2.20	-1.03	2.66	-0.27
7	2.42	-0.29	2.85	0.05	3.33	0.07	1.90	-1.48	2.86	-0.43	2.42	-1.09
8	2.18	-0.65	2.18	-0.87	3.32	0.22	1.11	-1.58	1.29	-2.02	3.18	-0.14
9	2.26	-0.71	1.96	-1.08	3.08	-0.16	2.26	-0.73	1.66	-1.39	2.80	0.02
10	2.69	-0.42	2.19	-0.56	3.09	0.11	2.24	-0.70	2.18	-0.70	1.64	-0.52
11	3.00	0.05	2.68	0.08	4.18	1.17	2.14	-0.53	2.29	-1.04	1.49	-0.45
12	3.31	0.13	2.86	0.19	1.53	-0.76	2.00	-0.52	1.66	-0.64	1.47	-0.49
13	2.70	0.19	2.68	-1.31	1.56	-0.79	2.52	-1.48	2.04	-0.64	1.25	-0.46
14	3.18	0.39	0.50	-1.79	4.06	0.04	1.39	-0.82	1.87	-0.80	1.23	-0.22
15	3.44	-0.88	1.23	-0.95	4.39	-2.05	2.11	-1.45	2.30	-0.96	1.24	-0.36
16	1.90	-0.50	2.05	-0.10	1.32	-0.66	0.89	-1.36	2.43	-0.99	3.16	-0.76
17	2.24	-0.03	2.16	0.05	3.56	0.83	1.50	-1.41	2.11	-1.05	3.33	0.37
18	2.37	0.40	2.19	0.11	2.07	-0.88	3.24	-0.38	2.77	-0.64	3.29	0.03
19	2.42	0.07	3.06	0.49	2.30	-0.52	2.69	-0.93	3.25	-0.41	3.17	-0.30
20	2.22	0.01	3.84	-0.37	3.35	-0.34	2.22	-2.04	3.01	-0.90	2.97	-0.28
21	2.51	-0.03	2.84	-0.43	3.06	-1.03	2.51	-1.54	3.48	-0.14	3.02	-0.24
22	3.07	-0.04	3.31	-0.76	2.62	-1.38	3.28	-0.64	2.53	-0.63	2.03	-0.92
23	3.34	-0.07	3.66	-0.81	3.31	-1.16	2.53	-1.35	2.33	-0.34	1.77	-0.85
24	2.71	-1.18	3.88	-0.53	3.67	-0.58	2.50	-1.13	2.31	-0.34	1.91	-1.23
25	3.01	-1.13	3.27	-1.09	3.43	-0.69	1.90	-1.70	2.33	-0.35	1.88	-0.98
26	3.26	-1.02	3.36	-0.75	1.87	-1.65	1.95	-0.73	2.01	-0.19	1.74	-0.75
27	3.68	-0.36	2.98	-0.67	2.66	-0.60	2.49	-0.26	1.77	-0.28	1.57	-0.32
28	3.38	-0.62	3.15	0.15	2.44	-0.35	3.23	-0.49	1.60	-0.19	1.79	-0.06
29	4.46	-0.18	3.43	-2.21	2.24	-0.44	1.48	-1.23	1.88	-0.10	2.14	0.51
30	2.38	-0.71	1.03	-1.01	2.36	-0.91	0.84	-0.58	---	---	1.82	-0.08
31	2.24	-0.36	---	---	1.40	-0.61	1.74	-0.56	---	---	2.12	0.44
MONTH	4.46	-1.18	3.88	-2.21	4.51	-2.05	3.28	-2.04	3.48	-2.02	3.33	-1.23

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 05...	1315	247	1.7	11.1	99	7.0	97	10.0	10.0	18	4.28	1.67	1.73
JAN 26...	1430	876	1.7	14.5	99	6.6	119	<5.0	.0	21	5.26	1.99	1.42
MAR 15...	1500	132	1.3	12.9	103	6.8	106	11.0	5.5	19	4.54	1.75	1.30
MAY 13...	1200	166	1.6	9.8	108	7.1	102	25.0	20.5	17	4.31	1.51	1.40
JUN 17...	1415	35	1.3	9.3	109	7.3	150	29.5	23.5	25	6.26	2.17	3.05
JUL 12...	1215	35	1.5	9.3	107	7.4	130	24.5	22.0	23	5.86	1.99	2.21
AUG 09...	1215	25	1.3	9.7	108	7.4	137	25.0	20.5	24	6.17	2.09	2.27
SEP 14...	1200	34	1.3	10.0	106	7.3	137	20.5	18.5	25	6.47	2.14	2.55

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO ₃ (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 05...	10.1	14	17	.0	14.8	<.2	10.5	9.1	77	74	.26	.29	E.03n
JAN 26...	11.7	8	9	.0	18.9	<.2	11.6	11.0	76	73	.24	.30	.11
MAR 15...	10.7	6	7	.0	17.9	<.2	8.82	9.4	65	66	.17	.24	.06
MAY 13...	10.6	8	10	.0	16.8	<.2	6.70	8.7	68	66	.18	.27	<.04
JUN 17...	16.7	9	11	.0	24.5	<.2	7.88	15.6	98	93	.25	.28	<.04
JUL 12...	14.1	12	15	.0	22.7	<.2	7.15	10.3	82	83	.29	.29	<.04
AUG 09...	13.3	12	15	.0	21.9	<.2	7.17	11.5	75	91	.28	.38	<.04
SEP 14...	13.6	14	17	.0	22.1	<.2	9.35	10.3	96	94	.29	.34	E.03n

01119375 WILLIMANTIC RIVER AT MERROW, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 05...	.24	<.008	--	<.02	.011	.018	.53	6.2	160	200	67	<.20	12
JAN 26...	.51	<.008	.19	<.02	E.003n	.016	.80	2.9	59	120	24	<.20	11
MAR 15...	.43	<.008	.19	<.02	E.004n	.013	.67	2.5	2k	3k	23	<.20	10
MAY 13...	.22	<.008	--	<.02	.009	.026	.49	4.0	54	40	38	<.20	10
JUN 17...	.56	.008	--	<.02	.016	.029c	.84	3.3	69	100	16	<.20	11
JUL 12...	.46	<.008	--	<.02	.015	.016	.74	4.4	52	54	33	<.20	8
AUG 09...	.28	<.008	--	<.02	.014	.025	.65	6.1	54	56	31	<.20	9
SEP 14...	.45	<.008	--	<.02	.011	.021	.80	5.7	38	54	23	<.20	10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 05...	<.06	<.04	E.5n	.211	1.0	200	.19	25.7	<.4	1.85	<.2	8.1	<.04
JAN 26...	<.06	E.02n	<.8	.278	.7	72	E.06n	30.8	<.4	1.67	<.2	9.4	<.04
MAR 15...	<.06	<.04	<.8	.262	.6	61	E.06n	27.3	<.4	1.30	<.2	5.6	<.04
MAY 13...	<.06	E.02n	<.8	.173	1.1	149	.18	21.1	<.4	2.21	<.2	4.6	E.02n
JUN 17...	<.06	<.04	<.8	.137	1.1	107	.11	17.9	<.4	1.42	<.2	2.9	<.04
JUL 12...	<.06	<.04	<.8	.154	1.4	378	.35	22.1	<.4	1.26	<.2	3.0	<.04
AUG 09...	<.06	<.04	<.8	.160	1.1	503	.35	21.6	<.4	1.46	<.2	2.2	E.02n
SEP 14...	<.06	<.04	<.8	.127	1.3	302	.22	16.7	<.4	1.40	<.2	2.8	<.04

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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: 1934 (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. Effects of flood-control dams in the Middle River Basin (Ellithorpe Reservoir Dam No. 5, Ellis Reservoir Dam No. 2, Whitney Reservoir Dam No. 1, Shenipsit Reservoir Dam No. 6, Pomeroy Reservoir Dam No. 3, and Bradway Reservoir Dam No. 4) on peak flows are minor. Usable storage at the gaging station from flood control is about 31 acre-feet per square mile. The natural flow of stream can be altered by regulation from Staffordville Reservoir and the flood-control dams.

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)
Oct 29	1615	1,450	7.04	Apr 14	0230	1,880	7.77
Dec 18	0930	*2,360	*8.46	Sep 18	1815	1,580	7.28
Apr 2	0030	1,510	7.16				

Minimum discharge, 28 ft³/s, July 23, 24, gage height, 2.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	440	218	324	e170	169	1,030	356	201	50	93	94
2	154	372	192	304	e154	234	1,270	346	214	109	69	61
3	138	335	164	317	e151	349	795	395	203	115	48	45
4	127	312	150	373	e190	368	580	709	162	84	39	38
5	129	334	153	531	e183	332	493	562	141	140	144	33
6	121	458	157	497	e184	422	415	445	128	137	114	32
7	114	399	155	e373	392	420	365	382	124	113	81	30
8	108	331	172	e289	e298	333	331	325	114	83	53	34
9	103	279	177	e258	e199	285	306	313	103	70	42	145
10	98	254	169	e251	e149	254	282	324	102	63	35	196
11	95	242	484	e245	e142	238	262	313	100	50	32	115
12	117	253	838	e207	e133	229	251	268	87	41	34	75
13	128	261	512	e200	e133	211	584	251	80	60	38	57
14	103	235	352	e200	e133	191	1,710	228	74	72	39	48
15	394	210	472	e194	e127	189	1,250	209	76	60	119	42
16	321	195	424	e187	e135	189	838	204	73	51	180	40
17	217	194	696	e182	e129	190	611	194	66	46	199	39
18	182	197	2,050	e180	e124	185	506	169	115	55	123	859
19	170	193	1,040	e176	e122	182	445	209	170	49	87	942
20	179	300	689	e174	e126	178	398	199	126	47	117	455
21	164	326	527	e171	e122	328	358	176	91	40	272	275
22	189	264	456	e167	e124	341	335	165	77	34	483	200
23	188	226	421	e163	e127	261	428	176	70	30	250	157
24	172	203	498	e171	e122	228	479	270	61	133	152	130
25	152	215	820	e189	e118	216	393	224	55	178	111	117
26	145	200	612	e216	e115	213	554	182	80	120	85	106
27	347	184	480	e202	e110	258	832	355	85	73	70	97
28	619	187	413	e194	e115	275	602	328	70	143	59	268
29	1,010	277	378	e190	147	233	453	330	67	110	50	916
30	946	249	369	e177	---	204	394	234	58	77	45	638
31	581	---	355	e179	---	332	---	183	---	57	90	---
TOTAL	7,693	8,125	14,593	7,481	4,474	8,037	17,550	9,024	3,173	2,490	3,353	6,284
MEAN	248	271	471	241	154	259	585	291	106	80.3	108	209
MAX	1,010	458	2,050	531	392	422	1,710	709	214	178	483	942
MIN	95	184	150	163	110	169	251	165	55	30	32	30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	115	184	240	263	263	410	399	260	182	91.1	88.7	98.3
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

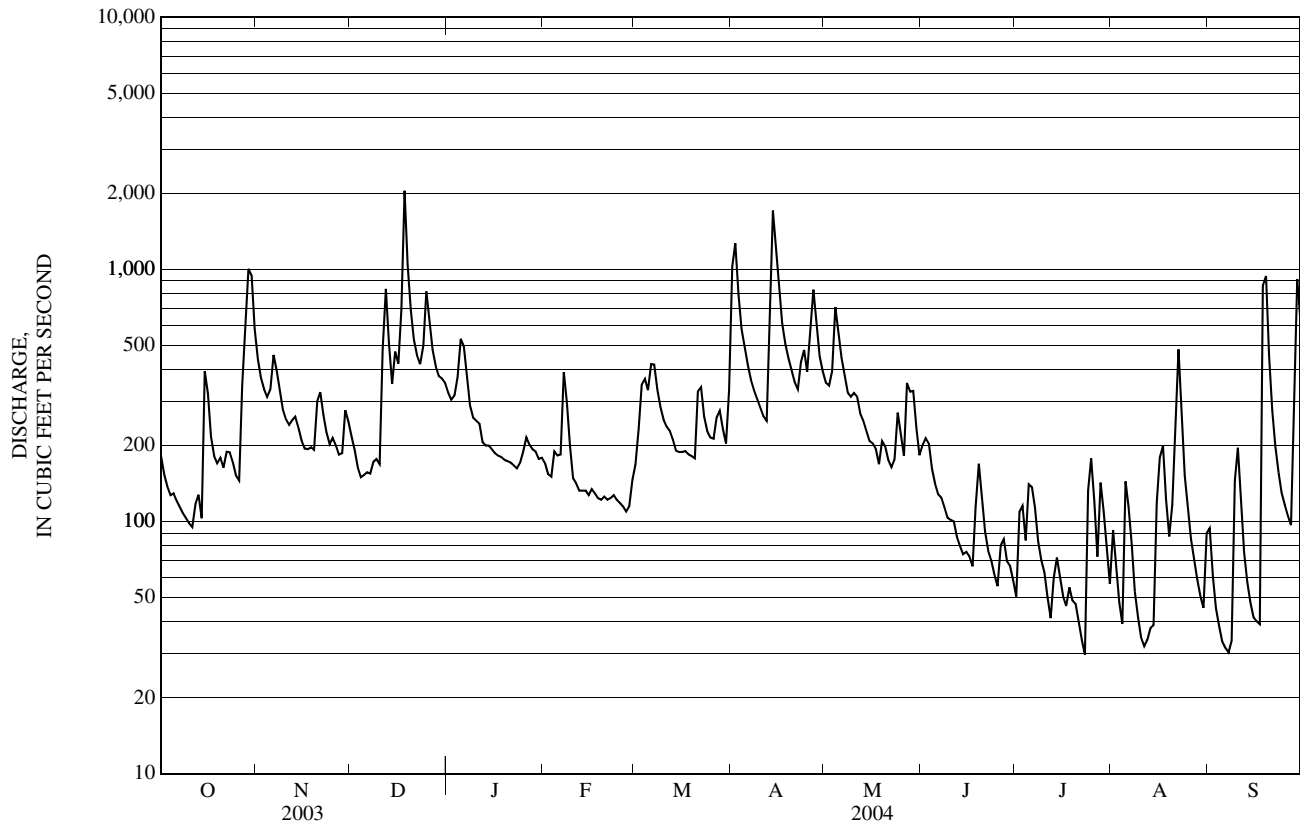
01119500 WILLIMANTIC RIVER NEAR COVENTRY, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL TOTAL	102,067		92,277		216	
ANNUAL MEAN	280		252		370	
HIGHEST ANNUAL MEAN					97.9	
LOWEST ANNUAL MEAN					12,900	
HIGHEST DAILY MEAN	2,050	Dec 18	2,050	Dec 18	2.5	Sep 21, 1938
LOWEST DAILY MEAN	30	Aug 31	c 30	Jul 23	7.6	Sep 18, 1949
ANNUAL SEVEN-DAY MINIMUM	34	Aug 26	39	Aug 8	a 24,200	Aug 30, 1999
MAXIMUM PEAK FLOW			2,360	Dec 18	b 18.66	Aug 19, 1955
MAXIMUM PEAK STAGE			8.46	Dec 18	2.0	Aug 19, 1955
INSTANTANEOUS LOW FLOW			28	Jul 23	450	Aug 21, 1949
10 PERCENT EXCEEDS	557		487		148	
50 PERCENT EXCEEDS	210		188		35	
90 PERCENT EXCEEDS	82		59			

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.

c Also occurred Sept. 7.



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. Discharge: March 6, 1998 to September 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 05...	1000	143	1.0	11.0	97	7.3	71	7.5	10.0	16	3.90	1.59	1.32
JAN 26...	1030	66	1.0	14.1	96	7.0	89	<-5.0	.0	20	4.95	1.83	1.06
MAR 15...	1145	111	.83	13.2	103	7.0	76	10.0	4.0	16	3.88	1.50	.95
MAY 13...	0900	130	1.3	9.7	104	7.0	74	21.5	18.5	15	3.83	1.32	.91
JUN 17...	1100	31	1.1	8.6	99	7.4	87	26.0	21.5	20	4.98	1.74	1.20
JUL 12...	0915	25	13	9.6	105	7.2	86	22.0	20.0	20	5.01	1.71	1.18
AUG 09...	0945	26	.95	9.6	102	7.3	89	20.5	18.0	20	5.13	1.79	.99
SEP 14...	0845	37	1.2	9.8	101	7.0	85	18.5	17.0	20	5.08	1.72	1.18

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 05...	6.26	10	12	.0	10.0	<.2	8.30	5.1	59	61	.26	.31	<.04
JAN 26...	7.25	11	13	.0	12.0	<.2	11.2	6.8	57	54	.14	.18	E.03n
MAR 15...	6.26	8	10	.0	11.2	<.2	7.98	6.0	52	46	.17	.19	<.04
MAY 13...	6.57	8	10	.0	10.8	<.2	4.97	4.8	46	54	.17	.27	<.04
JUN 17...	7.78	12	15	.0	12.9	<.2	7.60	5.2	62	56	.21	.21	<.04
JUL 12...	7.80	13	15	.0	12.8	<.2	6.33	4.7	59	60	.26	.28	<.04
AUG 09...	7.69	14	18	.0	12.5	<.2	7.08	4.4	65	65	.28	.32	<.04
SEP 14...	7.15	14	16	.0	11.9	<.2	8.44	3.4	61	56	.27	.33	<.04

01120800 NATCHAUG RIVER AT CHAPLIN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 05...	.10	<.008	<.02	.010	.013	.41	7.6	28	26	51	<.20	7	<.06
JAN 26...	.34	<.008	<.02	E.003n	.011	.52	3.1	2k	2k	22	<.20	7	<.06
MAR 15...	.25	<.008	<.02	E.004n	.009	.44	3.4	4k	1k	21	<.20	6	<.06
MAY 13...	.13	<.008	<.02	.006	.012	.40	4.3	22	25	27	<.20	6	<.06
JUN 17...	.28	E.004n	<.02	.011	E.016c	.49	3.7	76	88	23	<.20	6	<.06
JUL 12...	.14	<.008	<.02	.007	.016	.43	5.0	54	80	30	<.20	5	<.06
AUG 09...	.09	<.008	<.02	.006	.013	.41	6.4	32	46	16	<.20	5	<.06
SEP 14...	.11	<.008	<.02	.006	.016	.44	6.9	54	80	17	<.20	6	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 05...	<.04	E.4n	.074	.6	252	.16	10.3	<.4	.49	<.2	1.4	E.03n
JAN 26...	<.04	<.8	.058	E.4n	102	<.08	9.4	<.4	.36	<.2	1.5	E.03n
MAR 15...	<.04	<.8	.057	E.4n	63	<.08	9.8	<.4	.33	<.2	.9	E.03n
MAY 13...	<.04	<.8	.061	.5	125	E.08n	9.1	<.4	1.10	<.2	1.1	E.04n
JUN 17...	<.04	<.8	.070	.5	231	.12	10.2	<.4	.32	<.2	.8	.05
JUL 12...	<.04	.9	.085	.8	300	.18	11.9	<.4	.44	<.2	1.6	.04
AUG 09...	<.04	<.8	.070	.5	132	E.05n	8.8	<.4	.47	<.2	<.6	E.04n
SEP 14...	<.04	<.8	.066	.5	162	E.06n	7.3	<.4	.37	<.2	E.4n	.04

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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).

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)
Oct 29	1315	807	5.79	Apr 14	0030	*1,330	*6.88
Dec 11	1800	473	4.52	Sep 18	1415	839	5.91
Dec 18	0100	1,220	6.71	Sep 29	0945	497	4.62
Apr 1	2345	669	5.30				

Minimum discharge, 3.8 ft³/s, Sept. 6, 7, 8, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	87	43	67	e29	52	411	84	55	4.6	22	11
2	17	77	38	64	e29	76	387	86	53	18	25	8.3
3	14	68	e33	73	e29	100	173	112	48	12	13	6.2
4	13	62	e30	90	e84	89	131	210	40	7.0	9.6	5.4
5	14	66	e28	140	e64	79	113	119	34	67	57	4.7
6	12	86	e28	106	e80	136	89	95	31	62	33	4.1
7	11	71	e29	e80	e188	112	79	80	30	27	18	3.8
8	10	56	e29	e65	144	83	72	68	26	16	12	6.6
9	10	48	e30	e57	112	71	67	72	22	13	8.3	47
10	9.4	45	e29	e47	92	65	62	71	23	9.3	6.2	37
11	9.2	44	209	e43	81	63	57	63	21	7.1	5.4	18
12	24	50	202	e39	68	61	55	55	17	5.5	5.9	12
13	29	52	e88	e36	59	55	316	49	13	14	5.6	9.0
14	24	46	e63	e36	48	50	703	44	12	18	5.7	7.3
15	112	41	e102	e35	e40	50	374	42	14	12	36	5.9
16	62	38	88	e35	e37	49	193	41	11	9.5	41	7.2
17	45	38	270	e35	e35	51	138	38	9.7	9.1	38	8.2
18	48	39	587	e36	e33	49	114	36	11	19	21	373
19	42	38	198	e35	e32	49	100	40	30	14	29	152
20	41	65	130	e34	37	50	88	35	17	14	48	60
21	41	57	101	e33	37	114	77	32	11	9.3	123	38
22	42	46	89	e31	39	94	73	31	9.3	6.6	110	28
23	36	41	85	e30	40	67	122	52	9.2	4.8	49	22
24	29	38	140	e30	39	61	113	97	7.2	31	31	18
25	24	44	190	e29	40	61	86	65	6.1	20	21	16
26	23	40	120	e29	40	60	194	49	8.1	11	16	15
27	114	38	96	e28	39	75	298	117	7.6	7.6	13	13
28	166	41	84	e30	39	68	151	104	5.8	42	12	118
29	444	64	77	e31	40	57	107	86	7.2	26	10	322
30	233	49	76	e30	---	52	92	54	5.7	15	8.7	125
31	116	---	72	e29	---	135	---	46	---	11	12	---
TOTAL	1,833.6	1,575	3,384	1,483	1,674	2,234	5,035	2,173	594.9	542.4	845.4	1,501.7
MEAN	59.1	52.5	109	47.8	57.7	72.1	168	70.1	19.8	17.5	27.3	50.1
MAX	444	87	587	140	188	136	703	210	55	67	123	373
MIN	9.2	38	28	28	29	49	55	31	5.7	4.6	5.4	3.8
CFSM	2.07	1.84	3.82	1.67	2.02	2.52	5.87	2.45	0.69	0.61	0.95	1.75
IN.	2.38	2.05	4.40	1.93	2.18	2.91	6.55	2.83	0.77	0.71	1.10	1.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

	MEAN	26.4	46.5	62.5	68.6	71.5	108	93.9	60.4	37.9	15.2	16.1	16.3
MAX	144	131	200	264	203	219	197	119	207	60.4	148	118	
(WY)	(1956)	(1956)	(1997)	(1979)	(1970)	(1972)	(1983)	(1984)	(1982)	(1972)	(1955)	(1954)	
MIN	3.44	4.27	12.4	12.0	16.2	47.4	29.7	19.0	4.99	1.35	0.79	1.05	
(WY)	(1958)	(2002)	(2002)	(1981)	(1980)	(1981)	(1985)	(1957)	(1957)	(1957)	(1957)	(1953)	

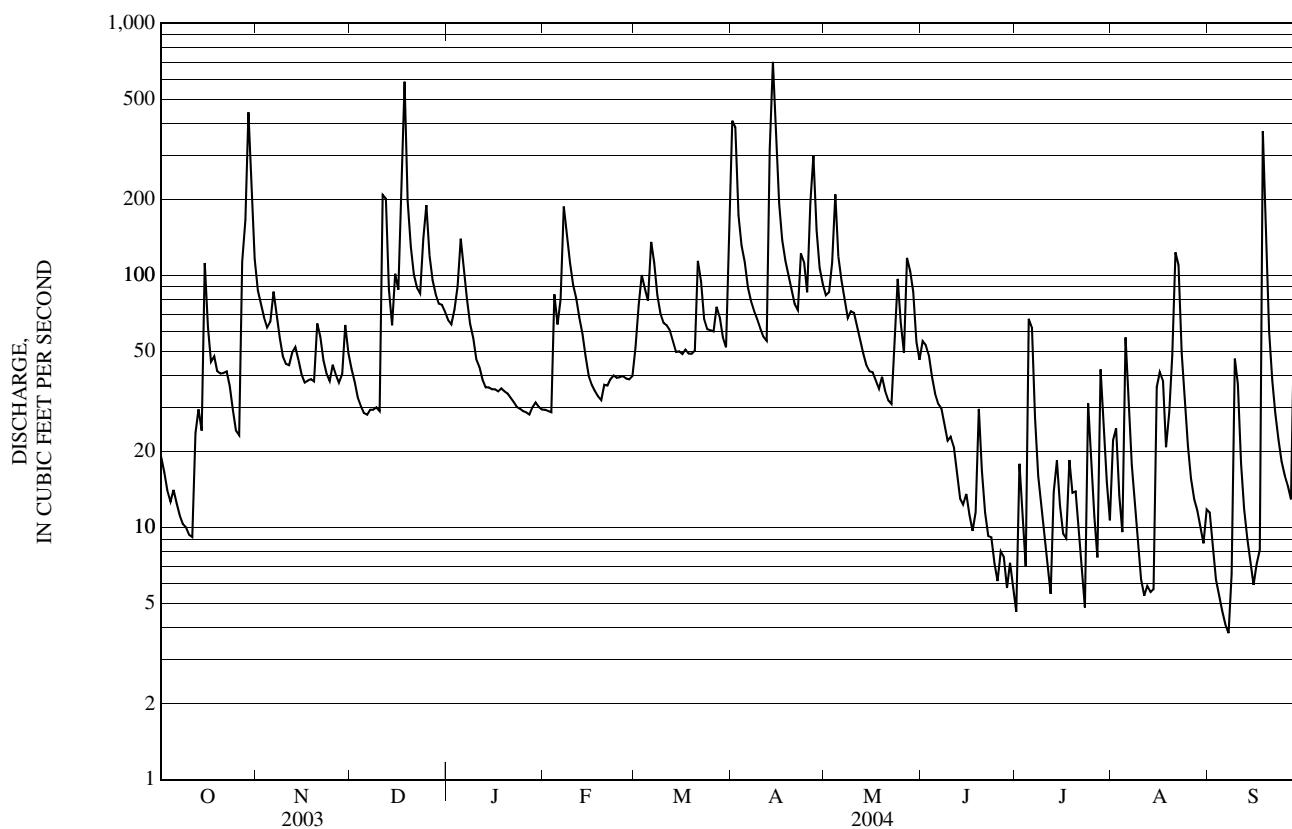
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01121000 MOUNT HOPE RIVER NEAR WARRENVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	22,873.4		22,876.0		51.8	
ANNUAL MEAN	62.7		62.5		75.0	
HIGHEST ANNUAL MEAN					25.0	
LOWEST ANNUAL MEAN					2,640	
HIGHEST DAILY MEAN	587	Dec 18	703	Apr 14		Aug 19, 1955
LOWEST DAILY MEAN	2.4	Aug 31	3.8	Sep 7	0.20	Aug 21, 1957
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 26	5.6	Sep 2	0.40	Aug 8, 1957
MAXIMUM PEAK FLOW			1,330	Apr 14	a 5,590	Aug 19, 1955
MAXIMUM PEAK STAGE			6.88	Apr 14	b 10.41	Aug 19, 1955
INSTANTANEOUS LOW FLOW			3.8	Sep 6	0.15	Aug 25, 1957
ANNUAL RUNOFF (CFSM)	2.19		2.19		1.81	
ANNUAL RUNOFF (INCHES)	29.75		29.75		24.62	
10 PERCENT EXCEEDS	125		119		113	
50 PERCENT EXCEEDS	42		41		31	
90 PERCENT EXCEEDS	11		9.3		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.



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. Peak flows are affected by flood-control regulation at Mansfield Hollow Dam since March 1952. The natural flow regime can be altered by regulation from Mansfield Hollow Dam and Willimantic Reservoir. City of Willimantic diverts flow for municipal supply from Willimantic Reservoir, which is located about 2 mi upstream from the gaging station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,690 ft³/s, Apr. 15, gage height, 7.90 ft; minimum discharge, 61 ft³/s, July 4, gage height, 1.52 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	1,070	283	379	e158	214	902	433	443	65	105	87
2	140	816	266	386	e163	238	1,620	438	377	64	85	87
3	121	535	242	391	e160	249	1,690	455	315	64	77	86
4	111	310	218	427	183	258	1,590	792	275	64	74	86
5	105	317	170	532	192	396	1,080	1,030	246	94	162	85
6	100	e365	146	595	248	543	712	796	199	78	178	85
7	94	e405	167	578	325	541	559	524	133	107	172	85
8	111	388	185	489	322	533	444	449	132	141	168	79
9	137	352	194	404	360	520	442	449	132	139	166	81
10	135	329	233	330	406	509	438	447	131	138	120	70
11	133	321	457	286	393	413	434	407	130	136	73	70
12	142	318	977	243	354	261	372	372	128	135	72	68
13	138	319	1,010	198	304	198	470	309	128	142	72	68
14	135	318	666	221	272	200	1,090	256	127	135	71	97
15	181	314	492	e220	250	233	2,080	255	100	134	92	129
16	203	309	650	e215	222	304	2,530	254	65	132	115	130
17	241	304	792	e210	207	331	2,040	252	65	136	177	127
18	230	275	1,530	e211	199	329	1,360	199	67	132	203	279
19	218	220	2,100	e212	192	291	1,280	139	83	131	201	178
20	211	251	1,650	e214	187	261	937	165	67	129	200	586
21	191	300	1,060	e210	184	285	578	190	67	96	235	969
22	171	308	696	e205	187	471	497	190	67	67	374	905
23	163	293	631	e195	191	578	513	190	66	67	593	509
24	157	274	619	e190	192	399	521	260	65	72	439	195
25	148	266	798	e185	188	359	516	342	66	68	244	193
26	142	260	849	e160	184	330	765	371	68	68	158	191
27	207	249	743	e140	182	335	1,190	398	66	69	131	176
28	456	243	647	e145	183	335	1,290	415	65	87	131	191
29	743	262	578	e148	193	335	1,210	462	70	74	129	496
30	1,330	289	462	e150	---	332	742	454	65	72	128	731
31	1,370	---	352	e155	---	385	---	444	---	71	110	---
TOTAL	8,133	10,580	19,863	8,624	6,781	10,966	29,892	12,137	4,008	3,107	5,255	7,119
MEAN	262	353	641	278	234	354	996	392	134	100	170	237
MAX	1,370	1,070	2,100	595	406	578	2,530	1,030	443	142	593	969
MIN	94	220	146	140	158	198	372	139	65	64	71	68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	148	262	348	373	388	610	581	355	245	114	96.2	125
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)

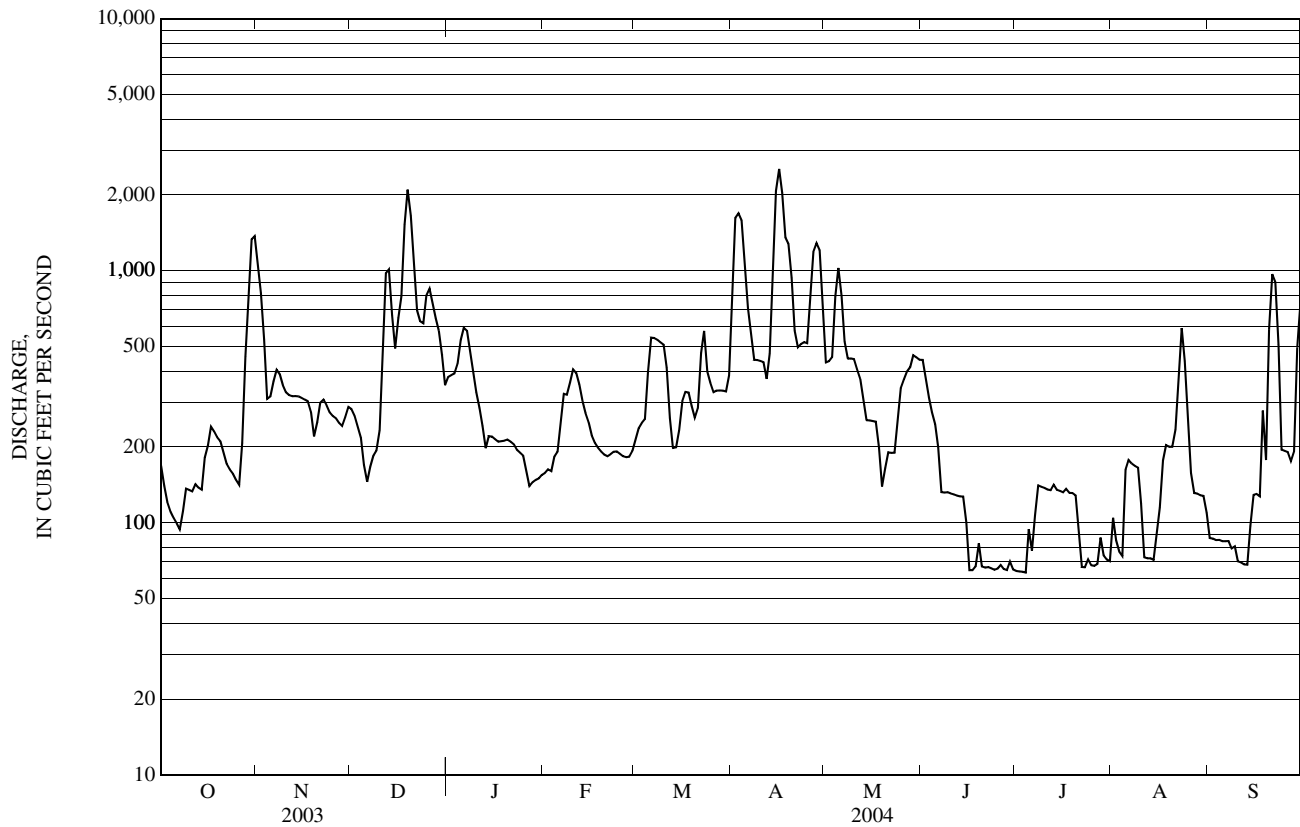
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01122000 NATCHAUG RIVER AT WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	137,045		126,465		303	
ANNUAL MEAN	375		346		550	
HIGHEST ANNUAL MEAN					142	
LOWEST ANNUAL MEAN					18,200	
HIGHEST DAILY MEAN	2,100	Dec 19	2,530	Apr 16	Sep 21, 1938	
LOWEST DAILY MEAN	37	Aug 31	64	Jul 2	2.3	
ANNUAL SEVEN-DAY MINIMUM	44	Aug 26	65	Jun 28	3.9	
MAXIMUM PEAK FLOW			2,690	Apr 15	a 32,000	
MAXIMUM PEAK STAGE			7.90	Apr 15	b 16.39	
INSTANTANEOUS LOW FLOW			61	Jul 4	0.30	
10 PERCENT EXCEEDS	800		742		672	
50 PERCENT EXCEEDS	260		222		191	
90 PERCENT EXCEEDS	91		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. Peak flows are affected by flood-control regulation from Mansfield Hollow Dam since March 1952. The natural flow regime can be altered by regulation from Mansfield Hollow Dam and Willimantic Reservoir. City of Willimantic diverts flow for municipal supply from Willimantic Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,540 ft³/s, Dec. 18, Apr. 14, gage height, 9.58 ft; minimum discharge, 91 ft³/s, Aug. 13, gage height, 1.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	2,190	692	988	e386	550	3,170	1,140	860	154	367	245
2	409	1,760	632	954	e384	720	4,730	1,110	849	183	368	207
3	350	1,320	555	979	e379	960	3,640	1,250	808	223	218	194
4	316	972	495	1,160	e404	999	2,930	2,390	645	187	183	173
5	311	977	463	1,620	e477	1,050	2,200	2,370	545	329	545	164
6	291	1,280	438	1,710	e539	1,440	1,580	1,830	471	337	486	159
7	269	1,230	459	1,380	1,060	1,530	1,290	1,320	381	293	361	145
8	271	1,070	501	1,070	1,080	1,240	1,070	1,090	357	286	304	157
9	293	912	490	e885	985	1,110	1,010	1,040	331	264	269	267
10	282	824	547	e806	888	1,030	951	1,070	319	251	216	391
11	275	774	1,240	e663	821	893	905	989	318	232	164	269
12	308	778	2,950	e594	712	699	821	877	293	218	156	210
13	361	790	2,270	e563	634	591	1,500	761	276	245	149	198
14	311	760	1,490	e540	582	538	5,470	654	263	275	155	193
15	948	699	1,490	e530	540	560	5,310	618	243	255	301	212
16	980	665	1,630	e518	465	627	4,800	601	197	236	410	209
17	722	650	1,930	e509	452	666	3,560	592	186	226	525	212
18	644	631	5,870	e499	448	653	2,500	505	220	242	440	1,510
19	598	564	4,780	e497	429	621	2,270	481	319	238	379	2,380
20	606	750	3,270	e492	412	578	1,820	498	263	234	390	1,510
21	584	938	2,260	e483	407	917	1,300	497	212	191	621	1,550
22	582	816	1,680	e478	436	1,220	1,150	487	193	145	1,430	1,320
23	570	728	1,490	e466	461	1,120	1,310	473	187	135	1,150	848
24	541	666	1,550	e461	462	834	1,490	721	173	221	790	434
25	500	674	2,550	e437	436	771	1,300	755	166	326	484	399
26	497	650	2,200	e414	417	722	1,860	718	184	243	345	379
27	920	605	1,780	e355	406	783	3,260	1,100	195	190	286	343
28	2,000	587	1,510	e395	409	835	2,840	1,090	176	325	265	476
29	2,750	781	1,340	e397	478	749	2,310	1,190	183	283	247	2,130
30	4,120	765	1,180	e406	---	697	1,680	949	167	219	234	2,110
31	2,920	---	1,020	e390	---	996	---	826	---	186	245	---
TOTAL	25,024	26,806	50,752	21,639	15,989	26,699	70,027	29,992	9,980	7,372	12,483	18,994
MEAN	807	894	1,637	698	551	861	2,334	967	333	238	403	633
MAX	4,120	2,190	5,870	1,710	1,080	1,530	5,470	2,390	860	337	1,430	2,380
MIN	269	564	438	355	379	538	821	473	166	135	149	145

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	381	624	826	891	901	1,421	1,351	849	568	266	243	294
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)

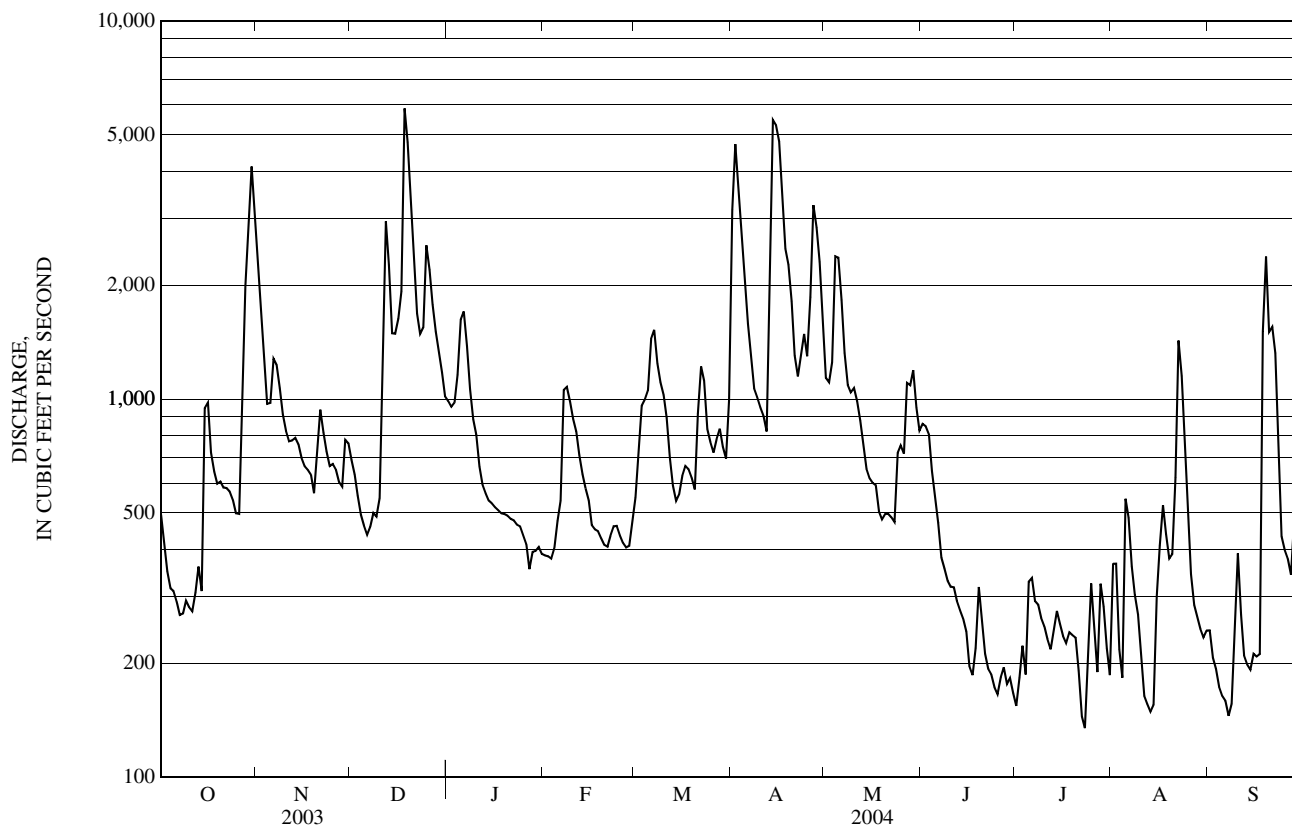
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01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	352,121		315,757		716	
ANNUAL MEAN	965		863		1,243	
HIGHEST ANNUAL MEAN					337	
LOWEST ANNUAL MEAN					19	
HIGHEST DAILY MEAN	5,870	Dec 18	5,870	Dec 18	35,500	Sep 21, 1938
LOWEST DAILY MEAN	76	Aug 31	135	Jul 23	31	Aug 22, 1949
ANNUAL SEVEN-DAY MINIMUM	88	Aug 26	171	Sep 2	31	Sep 7, 1995
MAXIMUM PEAK FLOW			6,540	Dec 18	a 52,200	Sep 21, 1938
MAXIMUM PEAK STAGE			9.58	Dec 18	b 27.60	Sep 21, 1938
INSTANTANEOUS LOW FLOW			91	Aug 13	15	Aug 29, 1949
10 PERCENT EXCEEDS	2,150		1,790		1,590	
50 PERCENT EXCEEDS	674		580		463	
90 PERCENT EXCEEDS	213		212		104	

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.



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 2003 TO SEPTEMBER 2004

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, 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 14...	1115	309	1.7	10.6	102	6.8	129	22.0	13.5	27	7.27	2.17	2.35
NOV 03...	1200	1,440	2.2	10.9	103	6.7	93	25.5	12.5	19	4.97	1.67	1.93
JAN 21...	1300	615	1.9	13.8	95	7.2	126	-4.0	.0	26	6.95	2.11	1.55
MAR 16...	1230	631	2.4	13.5	102	6.5	107	2.0	4.0	22	6.05	1.79	1.50
MAY 12...	1215	878	1.3	10.4	112	7.3	100	31.5	19.0	20	5.52	1.50	1.33
JUN 09...	1145	337	1.8	9.2	107	7.3	118	32.0	22.5	24	6.71	1.79	1.67
JUL 13...	1145	237	2.4	8.4	94	7.3	113	18.0	21.0	24	6.62	1.88	1.81
AUG 16...	1115	447	3.8	8.6	97	7.3	132	18.5	21.0	28	8.15	1.92	2.35
SEP 07...	1130	156	1.6	9.0	100	7.3	132	28.5	20.5	31	8.77	2.24	2.30

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat fltrd, inc tit field, mg/L (00453)	Carbonate, wat fltrd, inc tit 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 14...	11.8	18	21	.0	19.3	<.2	9.28	8.7	88	80	.43	.46	.14
NOV 03...	8.84	9	10	.0	12.9	<.2	9.36	6.8	68	68	.32	.36	E.03n
JAN 21...	10.5	12	14	.0	17.9	<.2	11.6	9.7	85	77	.33	.36	.16
MAR 16...	10.4	10	12	.0	16.5	<.2	8.48	8.6	69	68	.25	.32	.11
MAY 12...	9.40	11	13	.0	14.8	<.2	6.17	7.2	67	68	.18	.25	<.04
JUN 09...	11.2	15	18	.0	17.0	<.2	8.13	7.3	78	79	.35	.49	.16
JUL 13...	10.7	16	20	.0	16.6	<.2	6.92	7.8	72	74	.27	.33	<.04
AUG 16...	11.9	20	24	.0	19.0	<.2	7.44	9.4	80d	78d	.26	.41	<.04
SEP 07...	12.6	15	19	.0	18.6	<.2	9.15	8.3	88	75	.27	.32	<.04

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 14...	.34	.011	.32	<.02	.014	.028	.79	5.3	1,500	3,500	15	<.20	10
NOV 03...	.18	<.008	--	<.02	.011	.025	.54	6.8	100	140	48	<.20	9
JAN 21...	.52	E.004n	.19	E.01n	.024	.035	.88	2.8	2,100	--p	15	<.20	10
MAR 16...	.51	E.005n	.21	E.01n	.031	.042	.83	3.0	300	500	52	<.20	9
MAY 12...	.26	.010	--	<.02	.012	.027	.51	4.0	20	28	24	<.20	8
JUN 09...	.46	.014	.33	.06	.075	.106	.96	4.5	65	110	17	<.20	8
JUL 13...	.35	E.004n	--	E.01n	.032	.055	.68	5.0	240	520	10	<.20	7
AUG 16...	.34	<.008	--	<.02	.017	.054	.75	5.6	380k	1,000	12	<.20	9
SEP 07...	.30	<.008	--	E.01n	.027	.038	.63	4.9	33	46	18	<.20	8

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 14...	<.06	<.04	<.04	E.6n	<.8	.065	.7	E.4n	147	160	.11	.13	11.3
NOV 03...	<.06	<.04	<.04	E.5n	<.8	.089	.8	1.1	199	410	.17	.54v	9.9
JAN 21...	<.06	<.04	<.04	<.8	<.8	.140	.6	1.0	104	270	E.07n	.31	27.9
MAR 16...	<.06	<.04	<.04	<.8	<.8	.110	.7	1.0	93	230	.12	.19	17.8
MAY 12...	<.06	<.04	<.04	<.8	<.8	.096	.7	1.0	104	310	.10	.34	20.5
JUN 09...	<.06	<.04	<.04	<.8	<.8	.079	.8	1.0	186	490	.15	.42	13.7
JUL 13...	<.06	<.04	<.04	<.8	<.8	.074	.8	1.2	131	510	.11	.55	14.2
AUG 16...	<.06	<.04	<.04	<.8	E.5n	.102	1.1	1.5	126	750	.14	1.37	16.8
SEP 07...	<.06	<.04	<.04	<.8	<.8	.067	.7	1.0	242	510	.13	.33	9.9

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 14...	.5	.66	.83	<.2	1.3	E2n	E.03n
NOV 03...	<.4	.72	.88	<.2	2.4	3	E.02n
JAN 21...	<.4	.66	.78	<.2	4.1	5	E.02n
MAR 16...	<.4	.59	.65	<.2	3.4c	4c	E.03n
MAY 12...	<.4	.52c	.69	<.2	1.6	2	E.03n
JUN 09...	.4	.55	.76	<.2	1.2	2	E.03n
JUL 13...	.6	.64	.68	<.2	1.6	3	E.03n
AUG 16...	.8	.86	1.18	<.2	1.6	4	E.03n
SEP 07...	.7	.60	.74	<.2	1.2	E2n	E.03n

Remark codes used in this table:

< -- Less than
E -- Estimated value

Value qualifier codes used in this table:

@-- Holding time exceeded
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
v -- Analyte detected in laboratory blank

Null value qualifier codes used in this table:

p -- Sample discarded: improper preservation

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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.--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 18	0845	527	4.19	Apr 14	0415	*1,720	*6.67
Apr 2	0500	553	4.27				

Minimum discharge, 7.9 ft³/s, Sept. 7, gage height, 1.35 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	58	34	52	e27	48	388	76	44	14	22	11
2	19	51	31	49	e26	63	422	75	46	14	28	10
3	18	46	e27	54	e26	74	177	97	49	13	16	9.4
4	18	41	e26	66	47	68	129	182	38	13	13	9.0
5	18	41	e25	107	44	62	104	109	33	24	47	8.7
6	18	53	e27	94	46	107	83	89	30	32	33	8.5
7	17	47	e30	69	108	96	73	75	30	21	19	8.2
8	17	40	e30	e55	e71	70	66	64	28	17	15	10
9	17	35	e30	e55	e58	61	61	63	25	15	13	33
10	17	33	30	e51	e48	55	55	63	24	14	12	30
11	17	32	105	e49	e45	54	52	57	23	13	11	18
12	19	37	172	e36	e39	50	50	54	21	12	11	15
13	25	39	84	e33	e39	45	304	50	19	14	11	13
14	22	37	59	e34	e38	41	1,100	45	19	16	10	11
15	60	33	122	e34	37	41	434	42	19	14	26	10
16	39	30	90	e37	40	40	254	39	18	13	27	11
17	26	30	127	e35	48	41	167	38	18	12	26	11
18	24	30	405	e34	31	39	131	36	20	12	19	170
19	23	29	155	e34	33	39	107	40	31	12	15	130
20	24	42	106	e33	30	39	93	36	26	12	14	48
21	22	48	83	e31	30	93	80	34	20	11	20	36
22	22	42	71	e31	34	88	71	33	18	10	44	29
23	21	36	67	e30	35	59	90	32	18	9.9	24	23
24	21	33	88	e28	34	53	101	33	16	13	17	19
25	20	34	159	e28	32	51	79	32	15	13	14	17
26	19	34	99	e28	31	50	154	31	15	11	13	15
27	64	34	79	e27	31	54	252	65	17	10	12	14
28	110	33	69	e27	33	53	147	74	14	15	11	18
29	229	41	63	e27	39	45	104	69	16	17	11	152
30	168	37	61	e29	---	42	86	44	15	13	10	79
31	77	---	57	e28	---	105	---	38	---	12	11	---
TOTAL	1,231	1,156	2,611	1,325	1,180	1,826	5,414	1,815	725	441.9	575	976.8
MEAN	39.7	38.5	84.2	42.7	40.7	58.9	180	58.5	24.2	14.3	18.5	32.6
MAX	229	58	405	107	108	107	1,100	182	49	32	47	170
MIN	17	29	25	27	26	39	50	31	14	9.9	10	8.2
CFSM	1.32	1.28	2.81	1.42	1.36	1.96	6.02	1.95	0.81	0.48	0.62	1.09
IN.	1.53	1.43	3.24	1.64	1.46	2.26	6.71	2.25	0.90	0.55	0.71	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

	MEAN	30.6	51.1	68.0	75.3	75.6	107	100	64.8	45.0	20.9	18.4	17.6
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

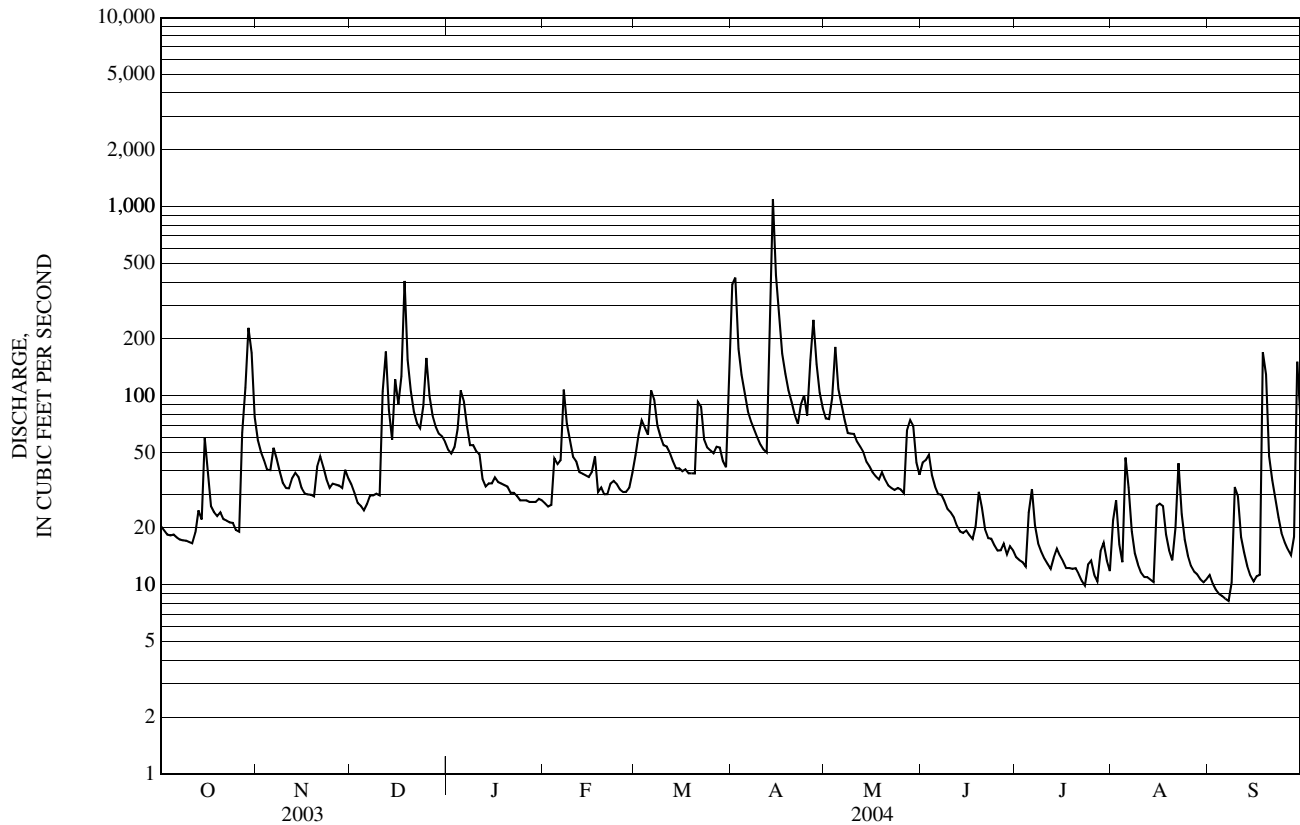
01123000 LITTLE RIVER NEAR HANOVER, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	24,436		19,276.7		56.1	
ANNUAL MEAN	66.9		52.7		86.2	
HIGHEST ANNUAL MEAN					24.2	
LOWEST ANNUAL MEAN					1,960	
HIGHEST DAILY MEAN	471	Mar 21	1,100	Apr 14	1,960	Jun 6, 1982
LOWEST DAILY MEAN	14	Aug 29	8.2	Sep 7	3.4	Aug 19, 1987
ANNUAL SEVEN-DAY MINIMUM	15	Aug 26	9.1	Sep 2	4.0	Sep 6, 1963
MAXIMUM PEAK FLOW			1,720	Apr 14	a 2,450	Jun 6, 1982
MAXIMUM PEAK STAGE			6.67	Apr 14	b 8.31	Jun 6, 1982
INSTANTANEOUS LOW FLOW			7.9	Sep 7	c 2.9	Aug 16, 1988
ANNUAL RUNOFF (CFSM)	2.23		1.76		1.87	
ANNUAL RUNOFF (INCHES)	30.30		23.90		25.41	
10 PERCENT EXCEEDS	140		102		115	
50 PERCENT EXCEEDS	42		34		36	
90 PERCENT EXCEEDS	20		13		8.9	

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 fair. Peak flows are affected by flood-control regulation at East Brimfield Lake and Westville Lake since 1960. The natural flow regime can be altered by regulation at East Brimfield Lake, Westville Lake, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,110 ft³/s, Dec. 18, gage height, 5.75 ft; minimum discharge, 15 ft³/s, Oct. 8, gage height, 2.08 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	555	261	435	e137	152	917	446	239	56	80	70
2	105	477	244	420	e130	198	1,150	410	243	88	78	54
3	93	410	215	410	e149	276	1,020	419	232	78	68	44
4	85	383	205	427	e167	310	885	625	211	84	59	43
5	79	403	189	515	e188	317	815	554	182	105	96	44
6	85	490	175	509	e217	369	729	509	166	97	85	43
7	73	450	193	463	e297	380	544	520	145	83	72	42
8	50	409	235	438	e268	343	448	408	131	80	64	47
9	99	375	248	e405	e250	277	422	381	113	95	58	155
10	68	355	170	e332	e227	322	389	372	118	66	53	138
11	63	334	428	e283	e206	255	374	349	115	64	53	140
12	84	301	699	e227	e177	241	329	321	103	59	49	134
13	99	308	568	e196	e150	235	675	285	97	61	50	111
14	97	268	488	e203	e135	223	1,440	257	89	59	48	89
15	264	258	524	e189	e124	223	1,090	234	81	61	64	81
16	236	233	506	e206	e138	223	1,030	224	82	61	84	59
17	202	232	773	e213	e137	222	843	208	79	57	105	60
18	180	216	1,840	e234	e124	218	747	192	75	54	105	466
19	170	229	1,510	e241	e124	215	770	374	76	59	86	568
20	161	312	1,270	e217	131	209	747	319	75	57	78	443
21	152	314	1,160	e192	121	309	651	288	79	53	144	470
22	155	297	967	e238	123	335	504	249	55	50	180	332
23	153	274	714	e224	124	318	559	219	58	48	167	250
24	156	251	696	e217	122	287	585	222	54	202	155	174
25	142	214	926	e179	119	263	575	234	63	220	124	141
26	150	239	847	e168	113	255	668	235	77	202	97	127
27	261	256	772	e154	114	291	801	282	71	169	76	106
28	384	258	717	e151	118	315	695	338	68	187	65	278
29	771	282	669	e165	129	301	611	333	70	138	59	725
30	839	270	562	e154	---	268	512	286	63	112	53	641
31	634	---	474	e165	---	389	---	242	---	95	63	---
TOTAL	6,205	9,653	19,245	8,570	4,559	8,539	21,525	10,335	3,310	2,900	2,618	6,075
MEAN	200	322	621	276	157	275	718	333	110	93.5	84.5	202
MAX	839	555	1,840	515	297	389	1,440	625	243	220	180	725
MIN	50	214	170	151	113	152	329	192	54	48	48	42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	151	228	313	332	334	535	544	307	214	101	108	112
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

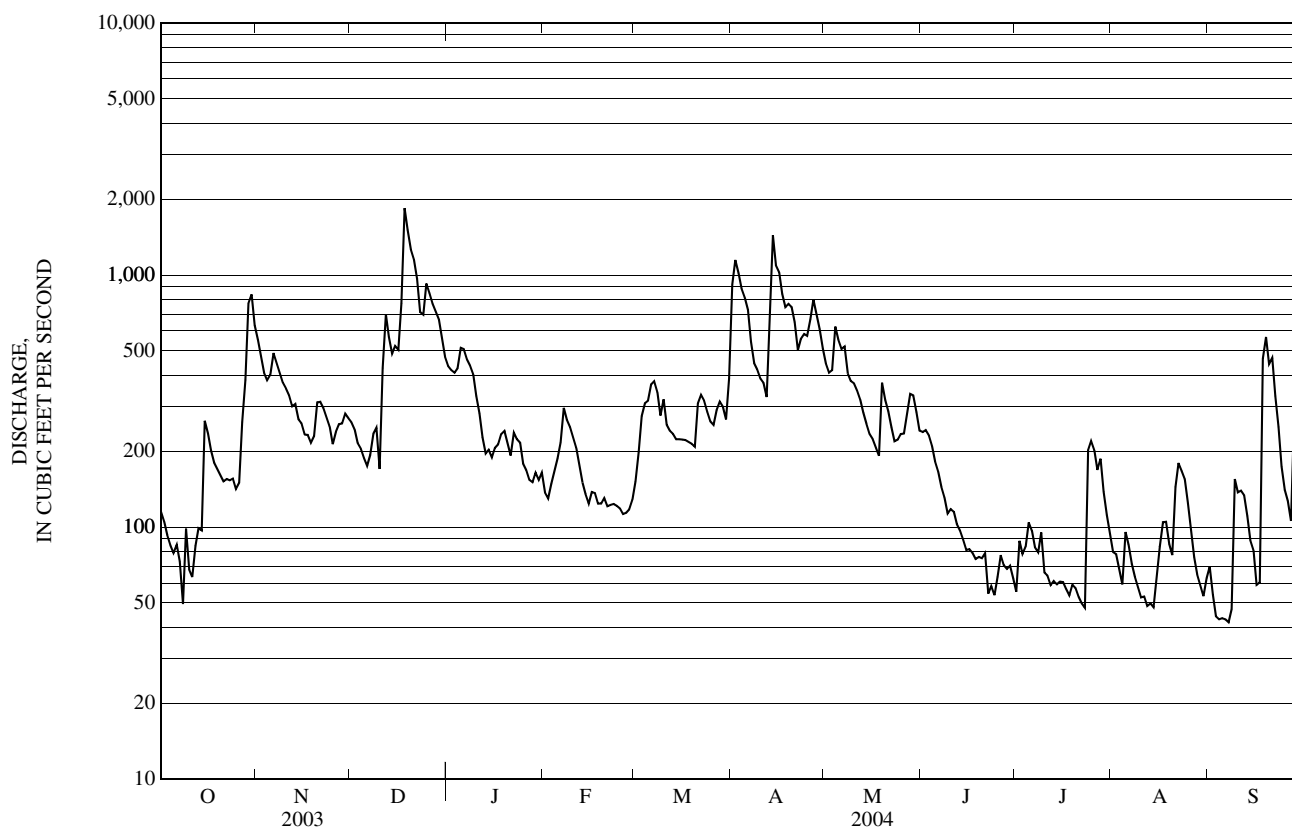
01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL TOTAL	124,180		103,534		273	
ANNUAL MEAN	340		283		124	
HIGHEST ANNUAL MEAN					466	
LOWEST ANNUAL MEAN					124	
HIGHEST DAILY MEAN	1,840	Dec 18	1,840	Dec 18	26,500	Aug 19, 1955
LOWEST DAILY MEAN	49	Sep 13	42	Sep 7	1.0	Sep 4, 1956
ANNUAL SEVEN-DAY MINIMUM	52	Aug 25	45	Sep 2	8.7	Sep 30, 1957
MAXIMUM PEAK FLOW			2,110	Dec 18	a 49,300	Aug 19, 1955
MAXIMUM PEAK STAGE			5.75	Dec 18	b 18.96	Aug 19, 1955
INSTANTANEOUS LOW FLOW			15	Oct 8	c 1.0	Sep 4, 1956
10 PERCENT EXCEEDS	715		636		608	
50 PERCENT EXCEEDS	257		216		183	
90 PERCENT EXCEEDS	87		63		37	

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 2003 TO SEPTEMBER 2004

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, 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...	0915	76	--	10.5	99	7.1	282	19.0	12.5	--	--	--	--
NOV 06...	0915	496	3.6	10.8	97	7.1	164	14.5	10.5	25	6.69	1.96	2.25
DEC 22...	1045	1,010	--	14.1	100	6.6	127	8.0	1.0	--	--	--	--
JAN 07...	1115	459	1.7	14.2	99	7.1	173	<5.0	.5	21	5.65	1.68	1.46
FEB 20...	0900	159	--	14.3	100	6.9	239	5.0	.5	--	--	--	--
MAR 25...	0900	263	1.6	13.2	102	7.0	195	10.5	5.0	28	7.68	2.11	1.78
APR 21...	0915	689	--	10.4	100	6.8	146	14.0	13.5	--	--	--	--
MAY 11...	0945	395	2.1	9.9	101	7.0	178	28.0	16.0	23	6.36	1.74	1.49
JUN 28...	0945	68	3.6	8.8	99	7.4	243	23.5	20.5	36	10.9	2.24	2.49
JUL 15...	0915	60	17	8.2	93	7.2	227	18.5	20.0	33	9.50	2.34	2.38
AUG 17...	0945	104	4.2	8.9	100	7.3	239	24.0	21.0	35	10.4	2.16	2.42
SEP 09...	0930	212	4.5	8.3	95	7.2	252	23.0	21.5	38	11.1	2.41	2.64

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Carbonate, wat flt 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 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...	--	--	--	.0	56.0	--	--	--	--	--	.30	.31	<.04
NOV 06...	19.8	11	13	.0	34.4	<.2	6.97	7.6	108	97	.33	.40	<.04
DEC 22...	--	--	--	.0	24.7	--	--	--	--	--	.24	.28	E.03n
JAN 07...	21.2	8	9	.0	37.4	<.2	8.34	8.2	91	88	.15	.22	E.02n
FEB 20...	--	--	--	.0	53.1	--	--	--	--	--	.27	.34	.09
MAR 25...	24.8	9	11	.0	43.3	<.2	7.06	9.0	128	122	.15	.29	<.04
APR 21...	--	--	--	.0	31.2	--	--	--	--	--	.17	.24	E.03n
MAY 11...	22.5	11	13	.0	39.2	<.2	3.68	7.6	108	97	.22	.33	<.04
JUN 28...	29.8	16	20	.0	51.3	<.2	3.83	10.5	142	137	.29	.43	<.04
JUL 15...	29.0	17	21	.0	50.6	<.2	4.65	9.0	121	132	.31	.41	E.03n
AUG 17...	26.1	18	21	.0	51.6	<.2	6.15	8.3	131d	129d	.32	.43	E.03n
SEP 09...	26.9	18	22	.0	51.0	<.2	6.35	8.9	162	153	.35	.48	<.04

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
OCT 09...	.62	E.004n	--	<.02	.015	.047	.92	--	--	--	.8	--	--
NOV 06...	.20	<.008	--	<.02	.017	.038	.60	7.1	300	400	--	28	<.20
DEC 22...	.24	E.007n	--	<.02	.021c	.025	.52	--	--	--	--	--	--
JAN 07...	.29	.033	--	<.02	.009	.022	.51	4.2	160	310k	--	25	<.20
FEB 20...	.52	.111	.25	.02	.032	.058	.85	--	--	--	--	--	--
MAR 25...	.38	.049	--	<.02	.012	.029	.67	3.5	180	460	--	16	<.20
APR 21...	.10	<.008	--	<.02	.006	.027	.34	--	--	--	--	--	--
MAY 11...	.18	<.008	--	<.02	.007	.029	.51	4.8	39	39	3.4	18	<.20
JUN 28...	.59	E.005n	--	<.02	.013	.049	1.0	5.5	140	160	3.5	9	E.14n
JUL 15...	.53	E.005n	--	<.02	.016	.054	.93	5.5	100	200	2.0	7	E.14n
AUG 17...	.65	E.004n	--	<.02	.018	.061	1.1	6.2	220	740	1.4	8	E.17n
SEP 09...	.83	E.004n	--	<.02	.019	.070	1.3	8.5	1,600	4,100	2.9	10	E.17n

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Barium, water, fltrd, ug/L (01005)	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)
OCT 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 06...	12	<.06	<.04	E.5n	.144	.9	184	.15	52.0	E.3n	.90	<.2	3.1
DEC 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 07...	10	<.06	<.04	<.8	.162	.7	113	E.08n	47.1	<.4	.81	<.2	3.7
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 25...	12	<.06	E.02n	<.8	.168	.5	83	E.08n	55.3	E.3n	.79	<.2	3.1
APR 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 11...	11	<.06	E.02n	<.8	.165	.7	141	.16	65.7	1.0	.80	<.2	2.5
JUN 28...	10	<.06	<.04	<.8	.166	1.6	122	.23	54.4	1.2	1.19	<.2	1.5
JUL 15...	11	<.06	<.04	<.8	.166	1.2	99	.16	69.0	.9	1.24	<.2	1.6
AUG 17...	12	<.06	E.02n	<.8	.158	1.2	104	.80	52.9	1.9	1.08	<.2	1.3
SEP 09...	11	<.06	E.03n	1.9	.145	1.5	94	.17	47.3	1.8	.97	<.2	1.8

THAMES RIVER BASIN

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Uranium natural water, fltrd, ug/L (22703)
OCT	
09...	--
NOV	
06...	<.04
DEC	
22...	--
JAN	
07...	<.04
FEB	
20...	--
MAR	
25...	<.04
APR	
21...	--
MAY	
11...	<.04
JUN	
28...	<.04
JUL	
15...	<.04
AUG	
17...	<.04
SEP	
09...	<.04

Remark codes used in
this table:
< -- Less than
E -- Estimated
value

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 LRL
and above the LT-
MDL

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.

PERIOD OF RECORD.--June 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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)
OCT													
02...	1000	114	9.8	96	6.9	203	14.0	41.3	.23	.33	<.04	.27	<.02
09...	1030	221	10.5	99	7.3	257	12.5	50.9	.33	.36	<.04	.53	<.02
16...	1030	267	10.0	93	6.6	210	12.0	48.3	.26	.44	<.04	.19	<.02
23...	1030	158	11.2	98	6.9	199	8.5	42.5	.24	.31	<.04	.17	<.02
31...	1030	953	11.3	99	7.1	157	9.5	32.1	.34	.44	<.04	.15	<.02
NOV													
06...	1200	621	12.8	117	6.5	116	11.0	34.0	.32	.39	<.04	.21	<.02
14...	1000	354	12.1	97	6.9	182	5.0	35.4	.29	.34	<.04	.31	<.02
20...	1000	413	11.1	96	7.0	173	8.0	36.7	.26	.31	E.02n	.29	<.18d
25...	0900	207	11.5	91	7.0	171	5.5	34.4	.24	.31	<.04	.29	<.02
DEC													
22...	1230	1,660	13.9	98	6.7	128	1.0	24.6	.25	.32	E.03n	.27	<.02
JAN													
07...	1145	576	14.4	101	6.9	172	.5	36.9	.18	.21	<.04	.35	<.02
FEB													
20...	1015	147	13.5	93	7.0	225	.0	50.1	.25	.32	.08	.57	E.02n
MAR													
25...	1145	285	12.6	100	6.8	190	6.0	39.9	.13	.25	<.04	.41	<.02
APR													
21...	1015	974	10.3	99	7.1	146	13.5	31.2	.19	.27	E.03n	.15	<.02
MAY													
11...	0900	422	9.3	94	7.1	172	15.5	37.4	.21	.33	<.04	.24	<.02
JUN													
28...	0920	77	8.9	95	7.3	235	18.0	47.4	.28	.36	<.04	.62	<.02
JUL													
15...	0930	77	8.6	97	7.2	216	20.0	45.7	.27	.37	<.04	.52	<.02
AUG													
17...	1000	101	8.7	95	7.5	231	19.0	48.5	.33	.41	E.02n	.67	<.02
SEP													
09...	0700	143	7.6	88	6.8	245	20.5	49.8	.27	.36	<.04	.86	<.02

01124120 QUINEBAUG RIVER AT RED BRIDGE ROAD, NEAR NORTH GROSVENORDALE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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- plank- ton, fluoro, ug/L (70953)
OCT					
02...	.013	.030	.60	.9	.5
09...	.012	.066	.89	4.8	2.9
16...	.012	.045	.64	1.7	1.9
23...	.009	.027	.48	1.3	1.4
31...	.013	.041	.59	2.1	2.0
NOV					
06...	.014	.037	.60	1.5	1.0
14...	.016	.044	.66	1.4	1.3
20...	.013	.044	.60	1.5	1.5
25...	.013	.033	.59	--	--
DEC					
22...	.009	.025	.58	--	--
JAN					
07...	.009	.025	.56	--	--
FEB					
20...	.028	.052	.89	--	--
MAR					
25...	.010	.026	.66	--	--
APR					
21...	.007	.039	.42	--	--
MAY					
11...	.006	.022	.57	5.0	5.1
JUN					
28...	.016	.043	.98	3.9	2.7
JUL					
15...	.011	.042	.90	3.9	1.9
AUG					
17...	.018	.054	1.1	4.0	2.1
SEP					
09...	.019	.046	1.2	3.6	2.2

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01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT

LOCATION.--Lat 41° 56'29", long 71° 53'58", Windham County, Hydrologic Unit 01100001, on left bank 350 ft downstream from concrete v-notch wier below West Thompson Dam.

DRAINAGE AREA.--172 mi².

PERIOD OF RECORD.--June 1966 to September 1989. October 1989 to September 2000 unpublished. October 2000 to September 2001. October 2001 to September 2002 unpublished. October 2002 to current year.

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

REMARKS.--Records good. No estimated daily discharges. Peak flows are affected by flood-control regulation at East Brimfield Lake, Westville Lake, and West Thompson Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,960 ft³/s, Dec. 18, 19, gage height, 5.32 ft; minimum discharge, 26 ft³/s, June 22, 23, gage height, 0.41 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

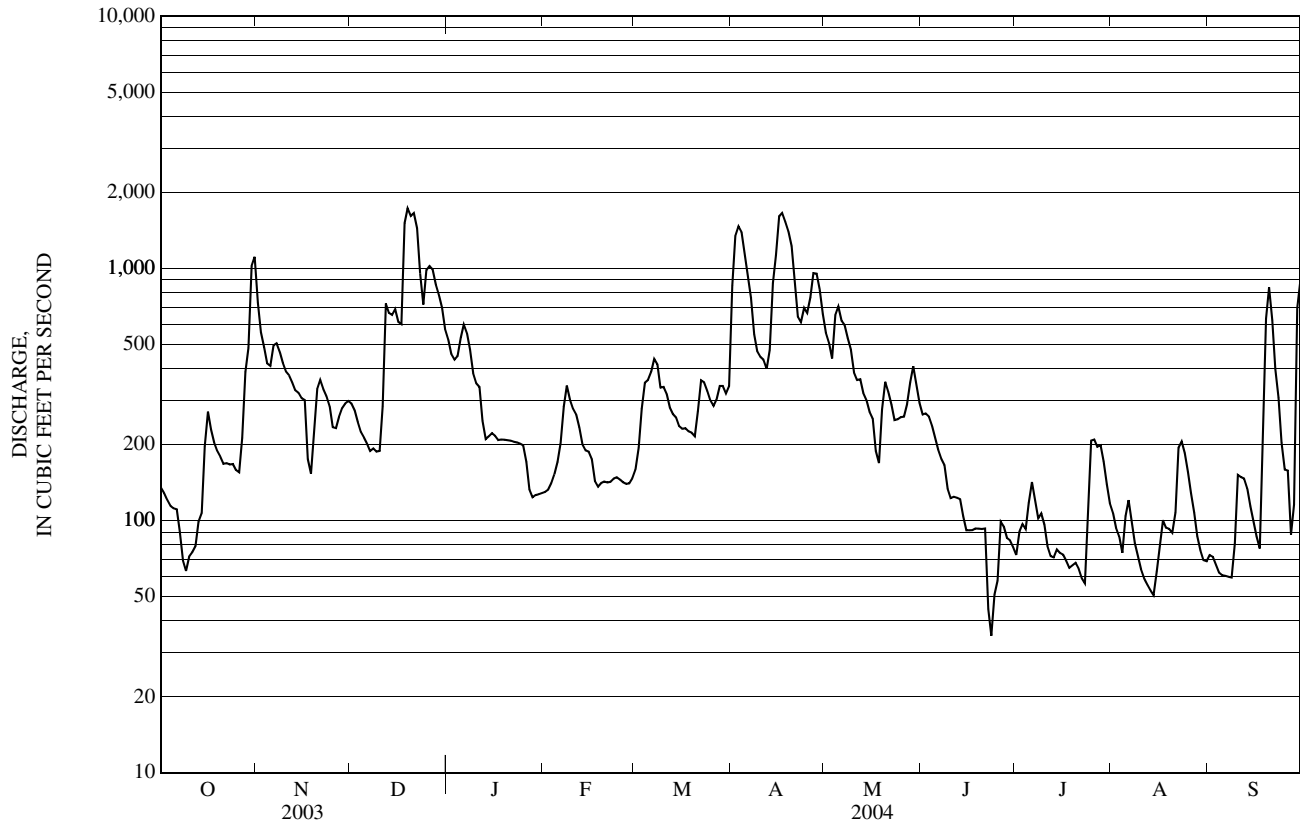
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	731	291	522	130	159	853	557	263	73	107	73
2	128	559	274	457	132	194	1,340	506	266	90	93	72
3	121	487	247	434	141	277	1,470	440	259	97	86	67
4	114	420	224	449	152	352	1,390	652	238	93	74	62
5	112	410	214	531	171	361	1,150	706	213	118	104	61
6	111	496	201	600	203	389	946	621	191	142	121	60
7	90	505	189	553	283	438	764	597	176	121	99	60
8	69	467	193	477	343	416	548	529	166	102	81	59
9	63	423	188	383	301	337	469	478	134	107	72	81
10	72	390	189	351	277	339	446	387	123	96	64	152
11	75	377	284	339	263	318	435	361	124	79	59	149
12	79	353	726	249	234	281	400	364	123	72	56	147
13	99	329	667	211	200	265	475	321	122	71	53	134
14	107	321	655	216	190	257	875	300	104	77	51	114
15	197	306	690	222	188	237	1,130	270	91	74	63	99
16	270	301	614	217	176	231	1,610	254	91	73	80	86
17	230	175	601	209	143	232	1,660	189	92	69	100	77
18	204	154	1,510	210	136	226	1,530	169	93	65	94	203
19	189	216	1,740	209	141	223	1,400	276	93	66	93	633
20	179	332	1,620	208	143	216	1,230	355	93	68	89	842
21	168	362	1,660	208	142	271	920	324	93	64	108	624
22	169	332	1,440	205	143	360	643	288	45	59	194	399
23	167	312	957	204	147	354	612	250	35	56	206	307
24	168	284	720	202	149	327	697	252	51	108	185	204
25	159	235	984	199	145	300	666	257	58	207	156	159
26	155	232	1,020	171	142	285	767	258	99	210	128	158
27	213	258	993	133	140	302	958	289	95	196	107	88
28	388	280	865	124	140	342	954	353	85	199	87	116
29	484	291	788	126	147	342	828	410	83	172	76	697
30	1,020	298	698	127	---	319	659	344	78	139	70	890
31	1,110	---	576	128	---	341	---	293	---	117	69	---
TOTAL	6,845	10,636	22,018	8,874	5,242	9,291	27,825	11,650	3,777	3,280	3,025	6,873
MEAN	221	355	710	286	181	300	928	376	126	106	97.6	229
MAX	1,110	731	1,740	600	343	438	1,660	706	266	210	206	890
MIN	63	154	188	124	130	159	400	169	35	56	51	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	187	246	377	365	372	576	617	347	273	112	90.2	87.8
MAX	932	567	1,136	1,030	880	1,036	1,447	730	999	323	511	229
(WY)	(1976)	(1976)	(1997)	(1979)	(1976)	(1972)	(1987)	(1972)	(1982)	(1972)	(1989)	(2004)
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	136,505		119,336		302	
ANNUAL MEAN	374		326		482	
HIGHEST ANNUAL MEAN					144	
LOWEST ANNUAL MEAN					2,770	
HIGHEST DAILY MEAN	1,770	Mar 23	1,740	Dec 19	10	Apr 10, 1987
LOWEST DAILY MEAN	43	Aug 23	35	Jun 23	3.1	Jan 12, 1981
ANNUAL SEVEN-DAY MINIMUM	48	Aug 23	60	Aug 9	10	Aug 31, 1975
MAXIMUM PEAK FLOW			1,960	Dec 19	2,820	Apr 10, 1987
MAXIMUM PEAK STAGE			5.32	Dec 19	6.45	Apr 10, 1987
INSTANTANEOUS LOW FLOW			26	June 22	0	many days
10 PERCENT EXCEEDS	812		722		690	
50 PERCENT EXCEEDS	258		210		193	
90 PERCENT EXCEEDS	92		74		39	



01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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)
OCT													
02...	1115	128	9.0	93	7.3	178	16.5	36.0	.27	.42	<.04	.23	<.02
09...	1215	64	10.2	98	7.3	197	13.5	38.7	.29	.38	<.04	.27	<.02
16...	1145	275	10.6	102	7.0	229	13.5	51.5	.27	.46	<.04	.33	<.02
23...	1100	165	11.0	99	7.2	210	9.5	45.6	.27	.37	<.04	.19	<.02
31...	1115	1,210	10.9	98	7.1	164	10.5	34.5	.33	.44	<.04	.19	<.02
NOV													
06...	1330	515	12.5	115	6.5	156	11.5	30.0	.31	.41	<.04	.17	<.02
14...	1115	327	12.1	98	7.2	168	5.5	33.4	.28	.32	E.02n	.26	<.02
20...	1100	373	12.1	104	7.0	174	7.5	35.6	.28	.30	E.02n	.33	<.02
25...	1045	219	12.3	100	7.1	171	6.0	35.1	.24	.30	<.04	.29	<.02
DEC													
22...	1345	1,610	14.0	98	6.7	124	.5	23.7	.24	.31	E.03n	.26	<.02
JAN													
07...	1400	549	13.9	100	6.9	186	1.5	40.6	.20	.21	E.02n	.39	<.02
FEB													
20...	1315	142	14.2	101	7.1	238	1.0	52.0	.28	.32	.09	.55	E.01n
MAR													
25...	1315	300	13.0	98	6.9	203	4.0	45.5	.15	.29	<.04	.42	<.02
APR													
21...	1130	921	10.4	102	6.9	146	14.5	31.2	.15	.27	E.02n	.15	<.02
MAY													
11...	0945	360	9.8	100	7.1	170	16.5	36.5	.22	.33	<.04	.24	<.02
JUN													
28...	1030	82	8.1	94	7.5	236	22.5	50.0	.27	.53	<.04	.24	<.02
JUL													
15...	1030	75	7.8	91	7.2	204	21.5	40.3	.32	.57	.05	.24	<.02
AUG													
17...	1115	103	8.2	95	7.4	222	23.0	47.9	.39	.63	.08	.14	<.02
SEP													
09...	0745	62	7.5	87	6.6	223	22.5	45.8	.34	.68	.06	.18	<.02

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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- plank- ton, fluoro, ug/L (70953)
OCT					
02...	.011	.040	.65	3.2	5.9
09...	.008	.038	.65	4.0	7.1
16...	.014	.044	.79	4.1	7.2
23...	.008	.035	.56	2.3	5.5
31...	.014	.047	.63	1.3	1.0
NOV					
06...	.012	.032	.57	1.5	1.6
14...	.011	.038	.58	1.2	1.4
20...	.011	.036	.62	1.1	1.3
25...	.012	.033	.59	--	--
DEC					
22...	.009c	.026	.57	--	--
JAN					
07...	.012	.023	.59	--	--
FEB					
20...	.022	.040	.87	--	--
MAR					
25...	.007	.023	.71	--	--
APR					
21...	.007	.028	.43	--	--
MAY					
11...	.005	.030	.57	4.6	6.7
JUN					
28...	.010	.042	.77	8.2	9.0
JUL					
15...	.008	.051	.81	13.0	13.2
AUG					
17...	.010	.047	.77	15.5	15.6
SEP					
09...	.012	.049	.86	5.9	16.4

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 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, 896 ft³/s, Apr. 14, gage height, 9.49 ft; minimum discharge, 21 ft³/s, Aug. 14, gage height, 6.47 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	380	e158	e308	e50	80	467	379	187	32	85	45
2	38	311	e149	e283	e46	108	657	338	173	50	79	41
3	43	260	e135	279	e48	137	675	323	166	55	66	36
4	52	227	e135	281	e53	162	647	365	142	45	57	34
5	43	191	e126	e294	e74	183	594	373	140	81	98	31
6	35	246	e125	e335	e101	194	510	370	104	95	73	28
7	32	251	e129	e318	e131	206	438	335	111	68	60	26
8	31	e242	e122	e294	e137	218	385	287	99	68	54	30
9	29	e223	e115	e264	e131	195	327	278	83	70	49	80
10	31	e208	119	e241	e118	181	281	273	81	61	42	105
11	36	e143	181	e205	e107	e169	260	262	64	53	33	108
12	40	205	e280	e202	e107	e139	228	241	63	47	28	89
13	43	185	e336	e200	e113	160	340	226	62	54	24	71
14	49	e188	e339	e152	e96	147	860	201	59	62	22	57
15	118	e192	e342	e104	e104	128	685	188	85	66	44	47
16	135	e113	e328	e87	e89	128	721	179	53	61	58	40
17	138	152	e376	e82	e80	135	722	170	35	56	66	37
18	152	158	e620	e80	e78	134	690	151	57	52	60	247
19	160	131	e702	e87	e78	131	648	198	59	59	55	330
20	147	184	e676	e79	e78	119	623	172	51	57	48	362
21	152	183	e610	e80	e80	166	530	168	44	51	87	357
22	133	e191	e514	e83	e68	195	390	158	35	47	120	227
23	137	e206	388	e87	e74	212	365	132	34	43	115	174
24	120	e204	372	e104	e75	209	339	178	31	80	108	150
25	123	e176	427	e117	e75	180	346	166	36	130	88	132
26	125	e173	479	e71	77	183	385	142	92	139	73	115
27	195	e165	e453	e71	73	197	447	202	57	106	68	106
28	219	156	e410	e68	71	201	453	250	44	106	61	221
29	336	150	e379	e68	72	202	456	268	41	89	53	382
30	432	e167	363	e50	---	196	423	238	36	81	45	424
31	441	---	334	e54	---	241	---	215	---	78	48	---
TOTAL	3,806	5,961	10,222	5,028	2,484	5,236	14,892	7,426	2,324	2,142	1,967	4,132
MEAN	123	199	330	162	85.7	169	496	240	77.5	69.1	63.5	138
MAX	441	380	702	335	137	241	860	379	187	139	120	424
MIN	29	113	115	50	46	80	228	132	31	32	22	26

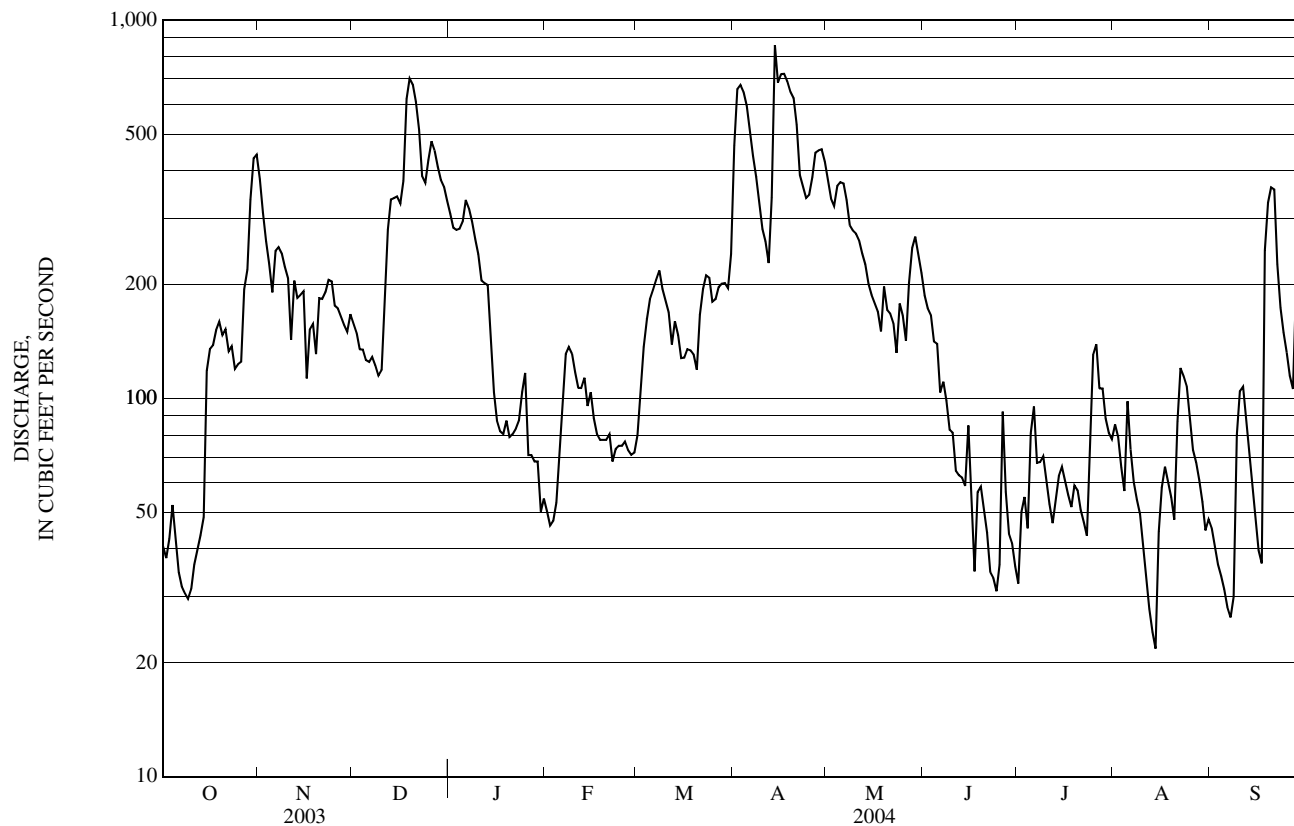
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	72.0	137	235	141	101	325	481	163	205	67.6	52.1	48.3
MAX	123	199	330	182	126	424	572	240	320	87.0	101	138
(WY)	(2004)	(2004)	(2004)	(2003)	(2001)	(2003)	(2001)	(2004)	(2003)	(2003)	(2003)	(2004)
MIN	44.7	82.7	145	79.6	85.7	169	374	76.0	77.5	31.3	13.8	11.3
(WY)	(2001)	(2001)	(2001)	(2001)	(2004)	(2004)	(2003)	(2001)	(2004)	(2002)	(2002)	(2002)

e Estimated

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	74,798		65,620		172	
ANNUAL MEAN	205		179		185	
HIGHEST ANNUAL MEAN					152	
LOWEST ANNUAL MEAN					943	
HIGHEST DAILY MEAN	734	Mar 30	860	Apr 14	943	Mar 30, 2001
LOWEST DAILY MEAN	21	Sep 12	22	Aug 14	6.8	Aug 28, 2002
ANNUAL SEVEN-DAY MINIMUM	23	Sep 9	32	Sep 2	8.8	Sep 7, 2002
MAXIMUM PEAK FLOW			896	Apr 14	1,220	Mar 30, 2001
MAXIMUM PEAK STAGE			9.49	Apr 14	10.09	Mar 30, 2001
INSTANTANEOUS LOW FLOW			21	Aug 14	6.8	Aug 27, 2002
10 PERCENT EXCEEDS	420		381		381	
50 PERCENT EXCEEDS	156		132		111	
90 PERCENT EXCEEDS	43		44		37	



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 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 06...	1115	239	2.8	10.8	100	6.8	191	14.0	11.5	27	8.17	1.50	3.12
JAN 07...	1315	318	1.9	14.1	101	7.1	200	<5.0	1.5	24	7.40	1.35	2.10
MAR 25...	1215	141	1.8	13.1	104	7.0	254	12.0	6.0	32	9.89	1.68	2.52
MAY 11...	1300	258	2.1	9.6	102	7.1	182	29.0	18.0	24	7.58	1.27	1.97
JUN 28...	1200	43	2.5	9.1	106	7.7	272	27.0	22.5	35	11.2	1.74	3.68
JUL 15...	1145	66	2.4	8.6	100	7.3	226	22.5	21.5	32	10.1	1.64	3.45
AUG 17...	1300	66	2.5	8.5	100	7.4	228	27.5	23.5	35	11.4	1.69	3.38
SEP 09...	1215	85	2.4	8.4	99	7.6	277	23.5	22.0	35	10.7	1.89	3.90

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water, fltrd, mg/L as CaCO ₃ (39086)	Bicarbonate, water, fltrd, mg/L (00453)	Carbonate, water, 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...	23.5	17	21	.0	38.9	<.2	5.18	6.4	115	118	.43	.53	E.02n
JAN 07...	26.2	11	14	.0	46.0	<.2	6.48	7.4	111	109	.27	.31	.04
MAR 25...	34.6	11	13	.0	58.8	<.2	5.10	8.6	157	149	.22	.34	E.03n
MAY 11...	21.8	10	12	.0	38.9	<.2	2.38	7.0	112	110	.29	.38	E.02n
JUN 28...	35.6	26	31	.0	51.8	<.2	3.31	10.7	152	149	.50	.69	E.03n
JUL 15...	28.4	18	22	.0	44.1	<.2	2.93	9.2	127	136	.51	.61	.06
AUG 17...	23.8	17	21	.0	44.8	<.2	3.88	10.5	115	113	.43	.55	.07
SEP 09...	33.3	34	42	.0	47.8	<.2	3.38	9.4	167	158	.57	.69	.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 06...	.49	<.008	--	.05	.072	.097	1.0	7.8	480	460	29	E.13n	13
JAN 07...	.43	E.004n	.27	E.02n	.028	.054	.73	4.7	190	540	38	<.20	12
MAR 25...	.74	E.005n	--	<.02	.012	.030	1.1	3.8	4k	35k	27	<.20	14
MAY 11...	.58	<.008	--	<.02	.017	.043	.96	5.7	10k	24	28	<.20	13
JUN 28...	1.59	.011	--	.02	.035	.070	2.3	6.2	250	560	22	.24	11
JUL 15...	2.05	.011	.55	.02	.043	.081	2.7	6.3	100k	96	13	E.18n	12
AUG 17...	1.38	E.007n	.49	E.01n	.029	.068	1.9	6.3	80	140	12	.21	13
SEP 09...	1.60	E.006n	.64	.02	.038	.075	2.3	8.2	310	580	27	.24	11

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
NOV 06...	<.06	<.04	.8	.097	2.3	168	.30	44.2	<.4	.83	<.2	4.1	.10
JAN 07...	<.06	E.02n	<.8	.107	1.3	109	.19	34.8	<.4	.75	<.2	6.3	.08
MAR 25...	<.06	E.02n	<.8	.109	1.4	97	.17	50.5	<.4	.66	<.2	4.6	.07
MAY 11...	<.06	<.04	<.8	.120	2.1	175	.46	56.0	<.4	.82	<.2	4.2	.08
JUN 28...	<.06	<.04	E.7n	.113	3.1	174	.56	21.1	E.3n	.88	<.2	2.8	.06
JUL 15...	<.06	<.04	E.7n	.106	3.1	174	.43	43.0	E.2n	.93	<.2	2.5	E.04n
AUG 17...	<.06	<.04	E.6n	.112	3.7	213	.69	49.3	.8	1.19	<.2	2.4	E.04n
SEP 09...	<.06	E.03n	.8	.107	3.6	154	.50	18.2	.4	1.51	<.2	3.2	.06

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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. Peak flows are affected by flood-control regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, and Buffumville Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, Buffumville Lake, Lake Chaubunagungamaug, Quaddick Reservoir, and other small reservoirs in the basin.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,260 ft³/s, Dec. 18, gage height, 7.69 ft; minimum discharge, 21 ft³/s, Aug. 14, gage height, 1.61 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	1,260	480	910	e227	298	1,570	1,060	510	124	199	132
2	187	964	442	825	e233	388	2,390	955	503	164	192	125
3	189	822	386	787	e243	510	2,410	888	483	172	160	116
4	189	688	366	807	e275	606	2,200	1,190	419	157	145	113
5	174	633	354	960	e318	634	1,870	1,260	392	249	247	106
6	168	751	369	1,070	360	695	1,560	1,140	334	312	247	94
7	145	796	350	996	570	775	1,310	1,050	321	259	191	94
8	136	740	351	866	639	749	1,040	911	296	223	163	106
9	118	667	330	722	554	648	899	834	249	209	146	213
10	137	594	331	e639	493	600	808	749	234	187	127	310
11	131	578	502	e548	457	572	769	703	226	147	117	295
12	148	567	1,180	e457	396	493	704	683	208	146	101	267
13	172	527	1,170	e413	375	472	954	613	207	140	95	226
14	172	527	1,090	e367	345	449	2,460	548	192	160	90	190
15	360	507	1,170	e358	333	411	2,370	519	189	162	136	167
16	461	471	1,090	e353	300	408	2,630	474	183	153	183	153
17	417	338	1,090	e345	264	415	2,560	407	133	150	202	141
18	388	329	2,550	e342	277	409	2,330	363	183	137	190	547
19	377	375	2,810	e336	227	403	2,120	517	183	136	177	1,170
20	357	556	2,480	e331	256	384	1,900	569	176	139	173	1,350
21	332	586	2,410	e334	258	504	1,510	530	164	132	207	1,090
22	328	559	2,120	e328	261	622	1,150	489	137	113	370	726
23	325	535	1,490	e323	262	637	1,120	430	102	113	364	532
24	329	504	1,230	e336	269	e606	1,200	482	81	179	327	362
25	307	433	1,610	e336	263	e543	1,140	482	93	327	272	308
26	300	420	1,680	e317	256	e531	1,300	454	191	345	217	283
27	456	440	1,600	e281	252	e556	1,640	553	177	311	191	213
28	712	457	1,410	e254	253	e608	1,620	690	154	323	164	373
29	1,030	471	1,280	e225	269	606	1,450	805	146	281	149	1,280
30	1,690	491	1,170	e218	---	569	1,220	672	135	240	127	1,560
31	1,760	---	1,010	e218	---	668	---	571	---	206	130	---
TOTAL	12,202	17,586	35,901	15,602	9,485	16,769	48,204	21,591	7,001	6,096	5,799	12,642
MEAN	394	586	1,158	503	327	541	1,607	696	233	197	187	421
MAX	1,760	1,260	2,810	1,070	639	775	2,630	1,260	510	345	370	1,560
MIN	118	329	330	218	227	298	704	363	81	113	90	94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	270	435	562	634	649	1,125	1,143	617	432	237	220	255
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)

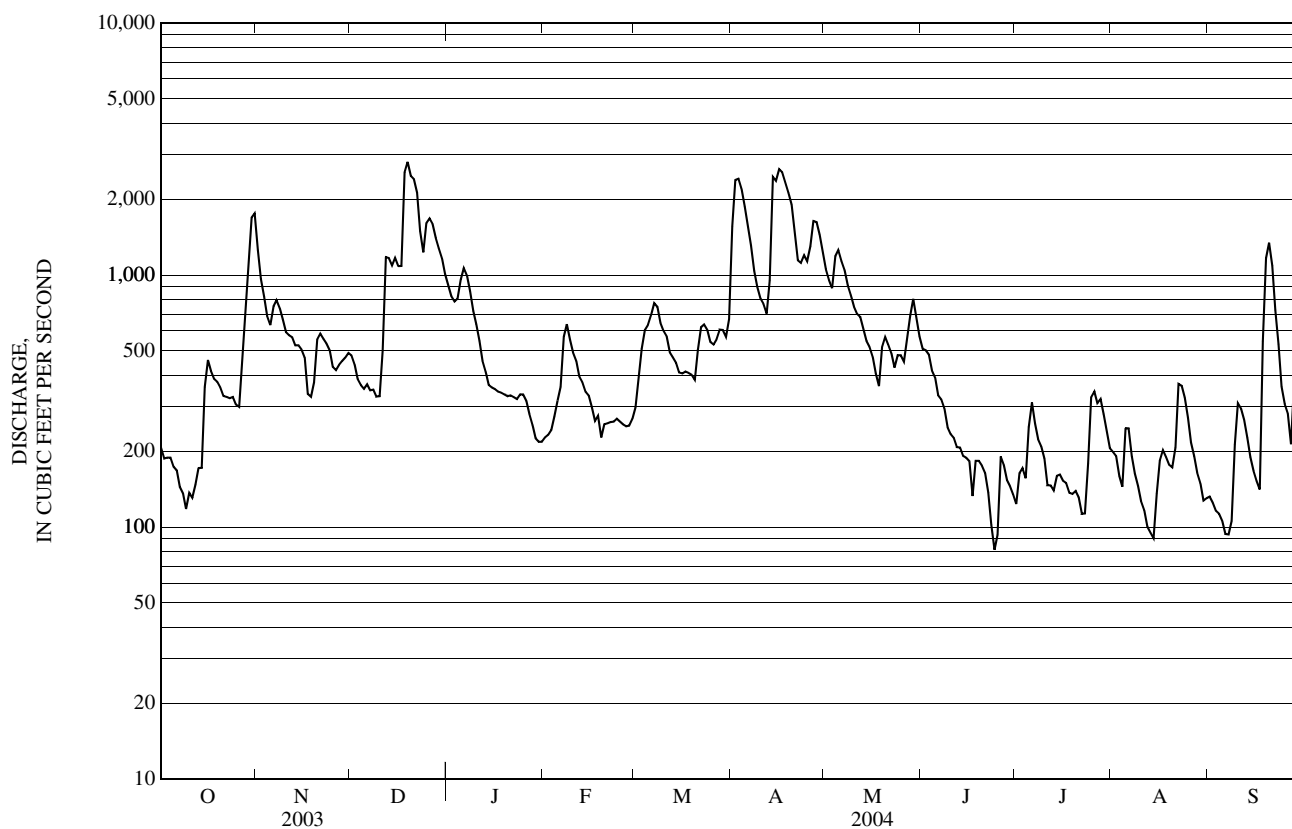
e Estimated

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	242,839		208,878		552	
ANNUAL MEAN	665		571		988	
HIGHEST ANNUAL MEAN					257	
LOWEST ANNUAL MEAN					26,400	
HIGHEST DAILY MEAN	2,830	Mar 23	2,810	Dec 19	Aug 20, 1955	1938
LOWEST DAILY MEAN	81	Aug 31	81	Jun 24	Sep 3, 1999	1965
ANNUAL SEVEN-DAY MINIMUM	91	Aug 26	108	Sep 2	Sep 2, 1999	
MAXIMUM PEAK FLOW			3,260	Dec 18	Aug 19, 1955	
MAXIMUM PEAK STAGE			7.69	Dec 18	Aug 19, 1955	
INSTANTANEOUS LOW FLOW			21	Aug 14	Sep 2, 1999	
10 PERCENT EXCEEDS	1,460		1,260			
50 PERCENT EXCEEDS	461		375			
90 PERCENT EXCEEDS	172		145			

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 year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (39086)
NOV 04...	0945	702	2.2	10.6	100	7.1	158	9.5	13.0	25	7.18	1.76	14
JAN 06...	1100	1,070	1.4	14.1	104	7.1	159	1.5	2.5	24	6.95	1.71	9
APR 20...	0930	1,960	2.1	10.4	102	7.1	150	17.5	14.0	--	<.01	<.008	8
JUN 23...	1015	113	3.0	8.9	102	7.1	217	26.5	22.5	36	10.9	2.05	23
JUL 14...	0945	163	3.1	8.6	99	7.4	201	20.5	21.5	34	10.5	1.97	21
AUG 10...	0945	127	2.0	8.6	101	7.3	205	25.0	23.5	34	10.2	2.02	23
SEP 10...	0830	308	3.6	8.7	100	7.4	206	21.5	22.0	34	10.3	2.02	25

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat fltrd 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 04...	17	.0	31.0	94	<10	.46	<.04	.232	<.008	--	E.04n	.70	1.0
JAN 06...	11	.0	30.9	91	<10	.28	E.03n	.540	.013	--	E.04n	.82	.6
APR 20...	10	.0	31.2	89	<10	.31	<.04	.309	E.006n	--	E.03n	.61	E.7
JUN 23...	28	.0	43.3	125	<10	.70	.05	.637	.009	.65	.06	1.3	1.7
JUL 14...	26	.0	39.4	125	<10	.48	.07	.667	E.006n	.41	E.04n	1.1	.8
AUG 10...	28	.0	39.5	118	<10	.54c	<.04c	.423	E.004nc	--	.05c	.96	.9
SEP 10...	30	.0	36.6	117	<10	.63	E.03n	.526	E.004n	--	.06	1.2	.4

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 recoverable, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Arsenic water unfltrd ug/L (01002)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recoverable, 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 recoverable, ug/L (01034)
NOV 04...	92	65	29	<153oc	<.20	<2	11	11.7	<.06	<.04	<.2	E.5n	1.1
JAN 06...	160	200	29	80	<.20	<2	10	11.0	<.06	E.02n	<.2	<.8	E.7n
APR 20...	22	80	36	170	<.20	<2	11	11.3	<.06	E.03n	<.2	<.8	E.8n
JUN 23...	170	190	11	72	E.16n	<2	12	13.1	<.06	.04	.05	1.6	1.7
JUL 14...	64	120	12	49	E.17n	2	12	12.9	<.06	E.02n	.06	.9	1.6
AUG 10...	53	52	15	49	E.16n	E1n	10	11.3	<.06	E.02n	.04	1.3	1.5
SEP 10...	560	1800k	15	85	E.16n	<2	11	13.0	<.06	E.03n	.07	E.6n	1.0

01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, ftrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, ftrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, ftrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
NOV 04...	.092	1.2	2.3	174	160	.12	1.0	30.9	30.1	E.01n	<.4	.83	E1.3n
JAN 06...	.107	.8	1.6	97	280	.13	E.6n	28.2	36.4	<.02	<.4	.60	<2.0
APR 20...	.102	1.1	2.7	<6	280	.21	E.5n	34.8	45.6	.03	<.4	1.26	<2.0
JUN 23...	.113	1.9	2.5	204	600	.41	1.60	33.8	99.8	<.02	E.4n	.81	1.18
JUL 14...	.088	1.9	2.2	199	490	.44	1.34	27.5	73.7	<.02	.4	1.04	1.08
AUG 10...	.091	2.1	2.7	306	600	.64	1.38	23.5	80.0	<.02	.5	1.03	1.14
SEP 10...	.144	3.1	3.9	269	690	.56	1.71	45.4	115	<.02	.6	1.09	1.21

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Silver, water, ftrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Zinc, water, ftrd, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Uranium natural water, ftrd, ug/L (22703)
NOV 04...	<.2	<.3	2.6	E3n	E.04n
JAN 06...	<.2	<.3	3.6	6	E.04n
APR 20...	<.2	<.3	3.6	10	.04
JUN 23...	<.2	<.16	1.9	4	E.03n
JUL 14...	<.2	<.16	1.0	3	E.03n
AUG 10...	<.2	<.16	1.5	3	E.03n
SEP 10...	<.2	<.16	1.2	3	E.03n

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

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, which is the ratio of the drainage areas of the two stations.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 04...	1300	696	2.3	10.2	96	6.8	172	8.0	13.0	28	8.28	1.79	3.03
JAN 06...	1445	1,100	2.0	13.4	101	6.7	173	1.0	3.0	25	7.36	1.71	1.98
APR 20...	1245	1,990	2.6	10.2	102	7.1	154	20.0	15.0	22	6.54	1.46	1.98
JUN 23...	1315	48	2.4	10.1	116	7.8	216	26.5	23.0	37	11.4	2.18	2.91
JUL 14...	1300	167	2.0	8.9	101	7.5	206	21.0	21.0	37	11.6	2.04	2.97
AUG 10...	1230	128	1.8	9.3	108	7.6	207	25.5	22.5	35	10.7	2.03	2.77
SEP 10...	1200	320	4.5	8.8	101	7.6	211	23.5	22.0	35	10.6	2.10	3.27

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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)	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 04...	18.7	12	15	.0	33.8	<.2	6.84	6.8	--	100	<10	.39	.42
JAN 06...	19.8	8	10	.0	34.7	<.2	7.93	8.3	102	98	<10	.24	.31
APR 20...	18.8	7	8	.0	32.8	<.2	5.64	8.0	105	95	<10	.24	.32
JUN 23...	25.6	21	51	.0	41.7	<.2	3.85	8.8	131	127	<10	.35	.63
JUL 14...	21.9	21	25	.0	40.9	<.2	3.95	8.8	308	124	<10	.35	.47
AUG 10...	22.4	23	29	.0	39.8	<.2	4.79	8.1	130	115	<10	.33	.52c
SEP 10...	21.7	24	30	.0	37.4	<.2	5.80	8.2	128	117	<10	.43	.67

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, ftrd, mg/L as N (00608)	Nitrite + nitrate water, ftrd, mg/L as N (00631)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, 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 coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)
NOV 04...	<.04	.273	<.008	--	E.01n	.030	.051	.69	7.7	.9	79	130	37
JAN 06...	E.02n	.493	.019	--	E.01n	.023	.038	.80	4.1	.6	150	220	28
APR 20...	<.04	.329	E.006n	--	<.02	.011	.037	.65	4.8	E.7	71	52	29
JUN 23...	E.03n	.609	.009	--	<.02	.016	.043	1.2	E4.9	1.5	61	80	13
JUL 14...	.06	.688	.008	.41	E.01n	<.004	.052	1.2	5.2	.1	44	62	9
AUG 10...	<.04c	.523	E.005nc	--	E.01nc	.032	.157	1.0	5.7	.6	130	120	13
SEP 10...	E.02n	.601	E.006n	--	E.01n	.034	.092	1.3	7.4	.8	400	2,100	14

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Alum- inum, water, unfltrd recover- able, ug/L (01105)	Anti- mony, water, ftrd, ug/L (01095)	Arsenic water unfltrd ug/L (01002)	Barium, water, ftrd, ug/L (01005)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, ftrd, ug/L (01010)	Cadmium water, ftrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, ftrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Copper, water, unfltrd recover- able, ug/L (01042)
NOV 04...	220	<.20	E1n	13	13.2	<.06	E.02n	<.2	E.6n	.9	.099	1.4	3.2
JAN 06...	90	<.20	<2	10	10.8	<.06	E.02n	<.2	<.8	E.6n	.111	.9	E1.2n
APR 20...	160	<.20	<2	12	11.9	<.06	E.03n	<.2	<.8	.9	.094	1.1	3.4
JUN 23...	62	E.14n	<2	12	12.8	<.06	E.02n	E.04n	1.3	1.6	.109	1.8	2.2
JUL 14...	47	E.16n	E2n	13	13.8	<.06	E.02n	.05	.9	1.5	.085	1.7	2.0
AUG 10...	54	E.15n	<2	11	12.5	<.06	E.03n	E.04n	1.1	1.4	.106	2.0	2.4
SEP 10...	111	E.16n	<2	11	14.7	<.06	E.02n	.06	E.7n	1.1	.125	3.0	4.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Iron, water, ftrd, ug/L (01046)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, ftrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, ftrd, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)	Silver, water, ftrd, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Zinc, water, ftrd, ug/L (01090)
NOV 04...	279	540	.34	1.5	30.4	46.8	<.02	<.4	.88	E1.1n	<.2	<.3	2.8
JAN 06...	104	290	.15	1.1	29.6	38.1	<.02	<.4	.65	<2.0	<.2	<.3	4.0
APR 20...	58dc	300	.12	E.6n	32.8	45.7	<.02	<.4	.96	<2.0	<.2	<.3	3.2
JUN 23...	253	510	.47	1.38	25.6	68.5	<.02	.7	.78	1.09	<.2	<.16	1.8
JUL 14...	153	450	.32	1.14	30.5	75.2	<.02+c	.5	1.08	1.10	<.2	<.16	1.3
AUG 10...	285	560	.60	1.27	37.5	95.7	<.02	.6	1.06	1.24	<.2	<.16	1.4
SEP 10...	222	830	.45	2.16	27.4	171	<.02	.9	1.12	1.29	<.2	<.16	1.6

THAMES RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Zinc, water, unfltrd recover- able, ug/L (01092)	Uranium natural water, fltrd, ug/L (22703)
NOV 04...	5	E.04n
JAN 06...	6	E.04n
APR 20...	8	.04
JUN 23...	3	E.03n
JUL 14...	3	E.02n
AUG 10...	2	E.02n
SEP 10...	4	E.03n

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

+ -- Improper preservation

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

n -- Below the LRL and above the LT-MDL

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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. Peak flows are affected by flood-control regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, and Buffumville Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, Hodges Village Reservoir, Buffumville Lake, Lake Chaubunagungamaug, Quaddick Reservoir, and other small reservoirs in the basin, and by a hydropower plant in Jewett City.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,100 ft³/s, Apr. 14, gage height, 17.83 ft; minimum discharge, 59 ft³/s, June 13, gage height, 3.95 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	3,070	1,090	2,040	e774	970	4,060	2,600	1,290	344	381	284
2	554	2,350	1,050	1,940	e772	1,050	6,320	2,330	1,240	277	380	287
3	541	1,910	932	1,840	e736	1,270	5,730	2,330	1,250	270	265	117
4	518	1,650	925	1,900	857	1,430	4,750	3,010	1,090	368	247	182
5	517	1,570	797	2,320	942	1,440	4,090	3,240	941	397	760	330
6	447	1,620	873	2,630	969	1,710	3,440	2,840	928	774	759	105
7	447	1,730	870	2,370	1,580	2,020	2,950	2,490	757	516	538	217
8	527	1,640	769	2,000	1,870	1,790	2,490	2,190	760	425	422	321
9	380	1,480	860	1,510	1,610	1,580	2,110	1,950	691	411	294	288
10	430	1,350	875	1,280	1,450	1,370	1,930	1,890	597	379	356	641
11	390	1,300	1,170	e1,200	1,320	1,320	1,690	1,720	519	412	255	582
12	465	1,310	3,100	e1,260	1,190	1,210	1,630	1,600	490	237	238	501
13	471	1,370	3,000	e1,170	1,120	1,090	2,610	1,510	484	378	236	522
14	405	1,270	2,370	e1,120	1,080	1,060	12,200	1,340	537	253	231	851
15	919	1,280	2,660	e1,100	984	1,020	9,690	1,260	421	393	353	913
16	1,080	1,200	2,850	e1,080	863	980	7,190	1,130	440	333	514	749
17	912	1,140	2,620	e1,060	949	898	5,860	1,100	382	281	611	604
18	884	982	2,960	e1,040	763	970	5,010	957	429	247	498	1,800
19	768	986	2,850	e1,000	765	968	4,390	1,040	485	377	396	3,470
20	724	1,110	2,840	e979	792	865	3,940	1,120	501	245	361	3,030
21	1,160	1,400	2,840	e956	818	1,260	3,420	1,110	422	242	548	3,030
22	726	1,330	3,380	e923	840	1,730	2,900	1,050	435	275	764	2,300
23	437	1,250	3,300	e898	845	1,630	2,620	1,040	264	224	774	1,080
24	471	1,190	2,840	e879	930	1,450	2,910	1,030	397	322	685	870
25	666	1,140	3,940	e871	855	1,340	2,750	1,040	256	410	485	545
26	640	1,050	3,900	e857	824	1,260	2,900	1,040	246	453	447	549
27	989	1,040	3,490	e830	836	1,300	4,290	1,200	409	436	396	558
28	2,110	969	3,090	e805	785	1,390	4,230	1,570	288	475	340	482
29	2,990	1,100	2,740	e790	872	1,330	3,590	1,950	360	487	288	2,110
30	4,520	1,160	2,510	e788	---	1,230	3,030	1,630	250	393	236	3,200
31	4,040	---	2,290	e780	---	1,360	---	1,320	---	377	258	---
TOTAL	30,625	41,947	69,781	40,216	28,991	40,291	124,720	51,627	17,559	11,411	13,316	30,518
MEAN	988	1,398	2,251	1,297	1,000	1,300	4,157	1,665	585	368	430	1,017
MAX	4,520	3,070	3,940	2,630	1,870	2,020	12,200	3,240	1,290	774	774	3,470
MIN	380	969	769	780	736	865	1,630	957	246	224	231	105

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2004, BY WATER YEAR (WY)

MEAN	655	1,064	1,478	1,589	1,651	2,526	2,447	1,518	1,027	549	485	514
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

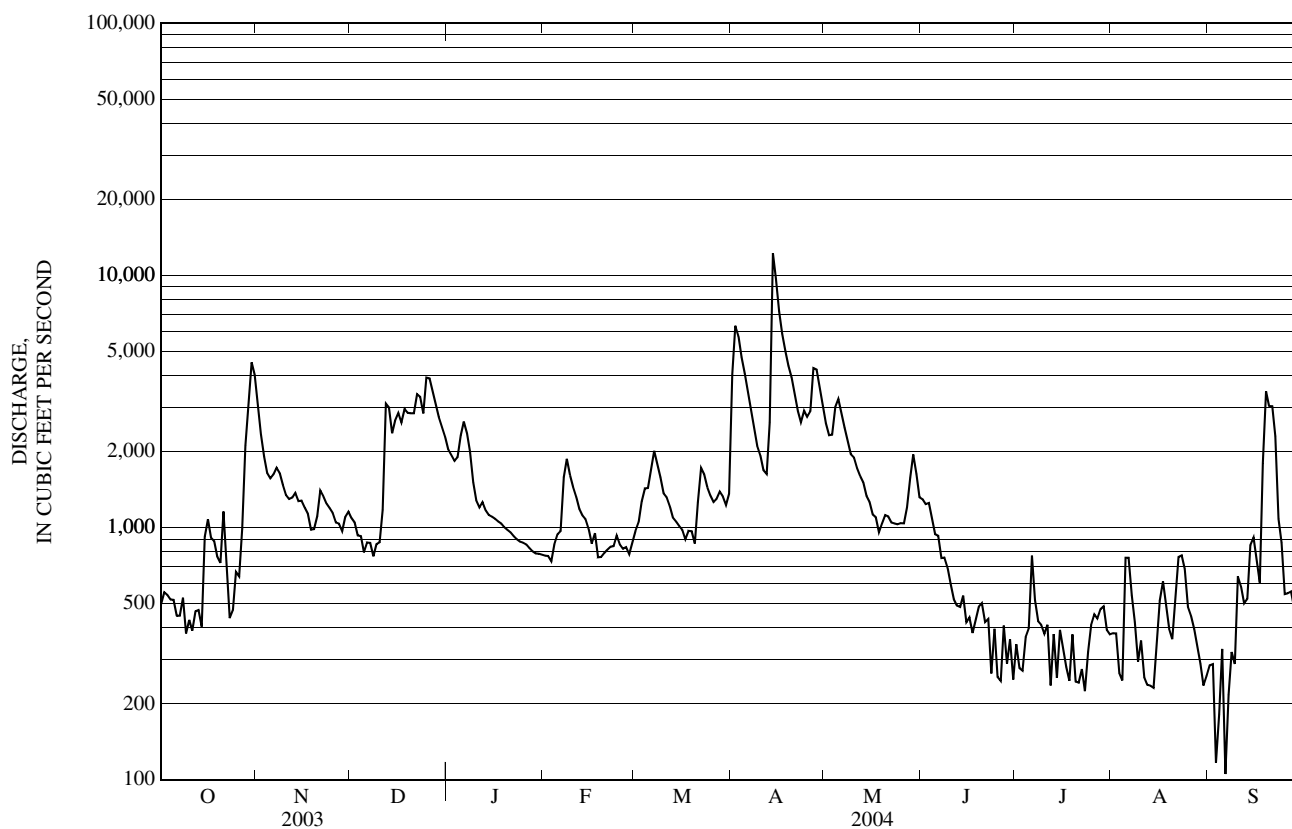
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1919 - 2004	
ANNUAL TOTAL	579,343		501,002		1,290	
ANNUAL MEAN	1,587		1,369		2,015	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					598	
HIGHEST DAILY MEAN	6,400	Mar 31	12,200	Apr 14	35,300	Aug 20, 1955
LOWEST DAILY MEAN	121	Aug 29	105	Sep 6	a 18	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	230	Aug 26	217	Sep 1	52	Aug 31, 1995
MAXIMUM PEAK FLOW			14,100	Apr 14	b 40,700	Aug 20, 1955
MAXIMUM PEAK STAGE			17.83	Apr 14	c 29.00	Aug 20, 1955
INSTANTANEOUS LOW FLOW			59	Jun 13	d 16	Sep 25, 1948
10 PERCENT EXCEEDS	3,260		2,970		2,790	
50 PERCENT EXCEEDS	1,140		983		908	
90 PERCENT EXCEEDS	475		338		233	

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 2003 TO SEPTEMBER 2004

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 unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 03...	0930	1,490	2.5	10.1	95	6.9	114	19.5	13.0	22	6.03	1.60	2.36
JAN 21...	0945	1,290	1.4	14.1	760	7.0	161	<-5.0	.0	30	8.67	1.97	2.26
MAR 16...	1045	981	1.3	13.2	101	7.0	148	3.5	4.5	27	7.90	1.74	2.15
MAY 12...	0845	1,560	1.9	9.2	98	7.3	122	26.0	18.5	22	6.48	1.40	1.82
JUN 09...	0845	1,000	2.2	8.7	97	7.2	144	29.5	20.5	29	8.71c	1.77c	2.18c
JUL 13...	0915	119	1.8	7.3	85	7.2	170	18.0	22.5	35	10.6	1.96	3.37
AUG 16...	0915	156	1.3	8.0	92	7.3	141	18.5	23.0	29	8.51	1.77	2.32
SEP 07...	0830	109	1.9	8.6	98	7.3	193	23.0	22.0	39	12.0	2.23	4.19

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 unf 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 03...	11.7	12	14	.0	17.8	<.2	7.20	6.4	78	80	.50	.53	.11
JAN 21...	15.6	15	18	.0	28.0	<.2	9.63	9.6	99	101	.53	.56	.27
MAR 16...	15.8	12	15	.0	26.7	<.2	6.68	8.5	91	87	.39	.47	.19
MAY 12...	12.3	13	16	.0	20.3	<.2	3.89	7.2	75	75	.28	.37	.04
JUN 09...	14.7c	15	19	.0	24.3	<.2	5.25c	7.2	91	80	.27	.45	E.03n
JUL 13...	17.0	20	25	.0	30.0	<.2	3.49	9.2	105	93	.33	.47	.04
AUG 16...	13.0	21	25	.0	22.0	<.2	3.55	8.0	76d	68d	.38	.40	.04
SEP 07...	20.3	24	29	.0	31.8c	<.2	3.83	9.1c	84	99	.40	.52	.04

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 03...	.27	E.004n	.42	E.01n	.030	.053	.80	8.1	1,100	1,500k	58	<.20	11
JAN 21...	.73	.021	.29	E.02n	.031	.046	1.3	4.3	1,000	940k	30	<.20	12
MAR 16...	.64	.013	.28	.02	.034	.050	1.1	3.6	190	480	21	<.20	11
MAY 12...	.40	E.007n	.33	.02	.031	.056	.77	5.5	47	57	27	<.20	10
JUN 09...	.66	.013	--	.02	.034	.034	1.1	5.8	78	78k	22	E.11n	11
JUL 13...	.52	.008	.43	.02	.040	.064	.99	E4.9	92	120	11	E.17n	12
AUG 16...	.25	E.004n	.35	.02	.040	.055	.64	5.4	51	96	10	E.14n	10
SEP 07...	.41	E.005n	.48	.06	.089	.109	.93	5.9	33	42	10	E.18n	12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 03...	<.06	<.04	1.0	.092	1.1	271	.35	14.5	<.4	.59	<.2	2.7	.04
JAN 21...	<.06	<.04	<.8	.110	.9	117	.11	29.2	<.4	.58	<.2	4.5	E.03n
MAR 16...	<.06	<.04	<.8	.101	.8	93	.12	27.9	<.4	.55	<.2	3.6	E.03n
MAY 12...	<.06	<.04	<.8	.104	.9	120	.21	32.3	E.2n	1.22	<.2	2.6	E.04n
JUN 09...	<.06	<.04	E.4n	.090	1.3	202c	.31	26.6	E.3n	.60	<.2	1.7	.06
JUL 13...	<.06	<.04	<.8	.079	1.2	121	.18	6.6	.6	.68	<.2	1.4	E.02n
AUG 16...	<.06	<.04	<.8	.077	1.2	130	.15	9.5	.6	.59	<.2	1.3	E.02n
SEP 07...	<.06	<.04	E.6n	.085	1.7	120	.18	5.6	.9	.73	<.2	1.8	E.04n

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

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)
Oct 29	1415	1,470	6.74	Apr 14	0200	*4,160	*10.00
Dec 18	0000	2,290	8.16	Sep 18	1445	2,040	7.46
Apr 1	2245	1,610	6.71	Sep 29	1015	1,140	5.73

Minimum discharge, 13 ft³/s, July 23, 24, Aug. 4, Sept. 7, 8, gage height, 0.98 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	239	121	165	e95	133	1,220	232	154	16	17	31
2	42	191	108	156	e95	171	1,110	237	165	22	16	23
3	36	171	90	164	e96	199	571	323	145	33	15	20
4	33	155	81	179	248	196	434	591	114	20	14	18
5	32	158	82	312	231	181	334	424	94	29	351	16
6	29	199	89	329	267	322	262	308	88	51	208	15
7	26	194	e94	218	781	377	226	252	95	34	103	14
8	25	164	e91	e147	615	259	202	206	81	26	67	50
9	25	138	e98	e130	446	213	183	190	69	23	48	128
10	26	124	e91	e109	232	180	164	198	60	19	37	85
11	24	119	358	e107	171	174	155	185	54	16	31	51
12	35	120	558	e93	e121	159	152	161	48	15	28	38
13	54	139	308	e93	e116	139	1,050	137	43	21	25	33
14	43	129	197	e115	e107	121	2,810	120	41	27	24	29
15	270	116	384	e150	e101	119	1,250	112	42	24	99	26
16	210	106	334	e187	e83	114	753	102	38	19	93	36
17	125	105	638	e134	e83	121	503	95	34	16	96	35
18	112	104	1,630	e115	e79	119	409	91	36	15	69	933
19	102	101	664	e117	e81	122	354	111	53	24	53	716
20	104	174	390	e114	83	125	312	103	40	25	50	309
21	100	196	283	e112	85	326	264	97	32	19	89	179
22	143	165	238	e110	99	338	240	92	28	16	164	126
23	131	140	220	e107	110	213	253	95	29	14	98	96
24	108	124	308	e102	107	177	308	162	26	20	67	79
25	94	131	537	e100	97	163	255	144	26	22	49	68
26	96	124	364	e97	92	154	405	117	24	18	39	60
27	312	115	265	e96	90	166	681	152	24	15	35	53
28	539	112	218	e94	85	164	477	225	21	20	34	105
29	970	146	197	e89	104	143	331	254	18	34	34	787
30	734	135	192	e85	---	129	269	167	17	26	29	496
31	359	---	181	e89	---	345	---	122	---	19	33	---
TOTAL	4,988	4,334	9,409	4,215	5,000	5,862	15,937	5,805	1,739	698	2,115	4,655
MEAN	161	144	304	136	172	189	531	187	58.0	22.5	68.2	155
MAX	970	239	1,630	329	781	377	2,810	591	165	51	351	933
MIN	24	101	81	85	79	114	152	91	17	14	14	14
CFSM	1.80	1.62	3.40	1.52	1.93	2.12	5.95	2.10	0.65	0.25	0.76	1.74
IN.	2.08	1.81	3.92	1.76	2.08	2.44	6.64	2.42	0.72	0.29	0.88	1.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

	MEAN	81.5	146	205	231	236	342	298	180	117	51.2	44.6	55.3
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)	

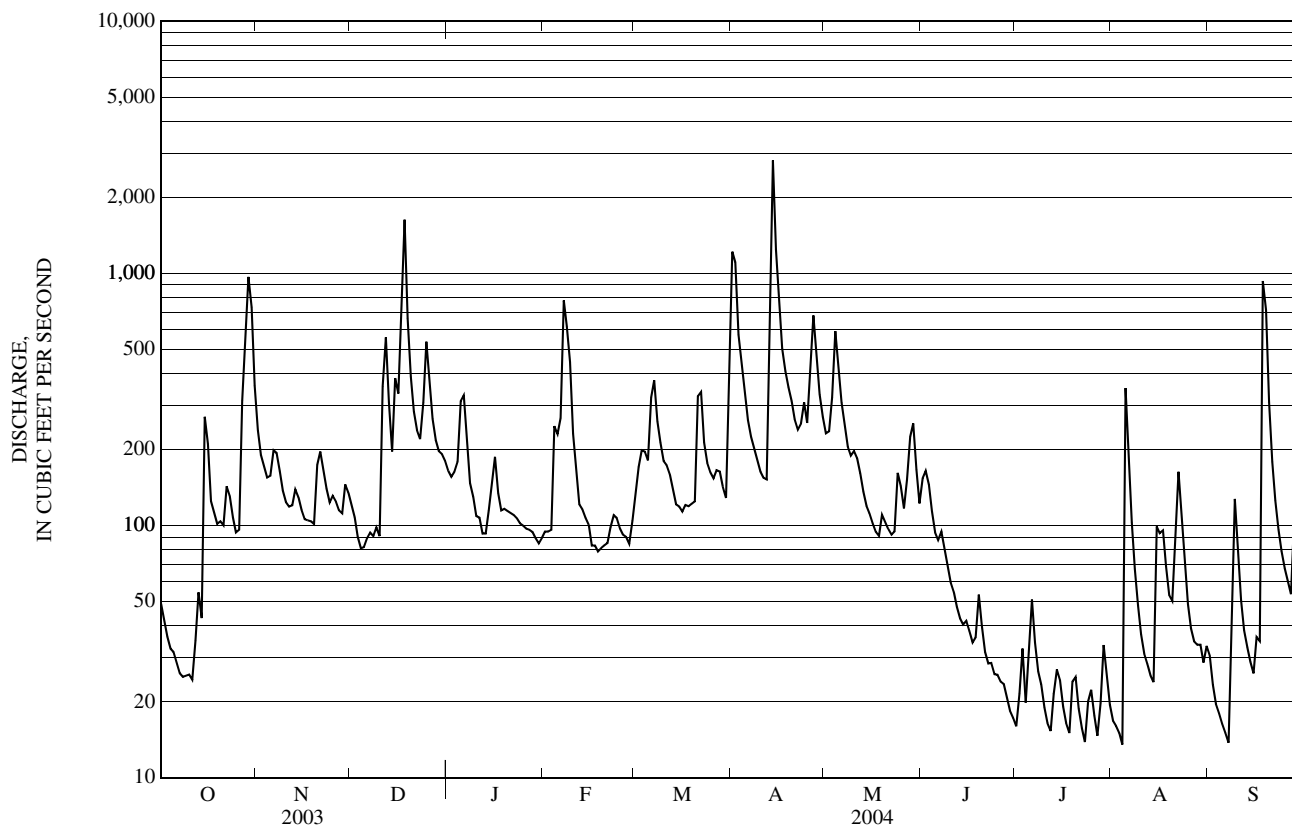
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01127500 YANTIC RIVER AT YANTIC, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	74,135		64,757		165	
ANNUAL MEAN	203		177		281	
HIGHEST ANNUAL MEAN					71.7	
LOWEST ANNUAL MEAN					1938	
HIGHEST DAILY MEAN	1,630	Dec 18	2,810	Apr 14	8,690	Jun 6, 1982
LOWEST DAILY MEAN	11	Aug 28	14	Jul 23	2.3	Aug 30, 1963
ANNUAL SEVEN-DAY MINIMUM	12	Aug 26	18	Jul 21	3.0	Aug 30, 1963
MAXIMUM PEAK FLOW			4,160	Apr 14	a 13,500	Sep 21, 1938
MAXIMUM PEAK STAGE			10.00	Apr 14	b 14.66	Sep 21, 1938
INSTANTANEOUS LOW FLOW			13	Aug 4	2.2	Aug 30, 1963
ANNUAL RUNOFF (CFSM)	2.27		1.98		1.85	
ANNUAL RUNOFF (INCHES)	30.88		26.98		25.12	
10 PERCENT EXCEEDS	456		355		367	
50 PERCENT EXCEEDS	137		112		95	
90 PERCENT EXCEEDS	29		24		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.



THAMES RIVER BASIN

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.--October 2002 to current year. December 1983 to September 2002 at site 1 mi upstream, discharge record is not equivalent because diversion through canal was not included.

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

REMARKS.--Records fair, except those for periods of estimated record, which are poor. 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, 91,700 ft³/s, Apr. 2, gage height, 25.20 ft; minimum discharge, 2,680 ft³/s, Aug. 9, gage height, 4.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20,600	60,700	38,600	26,800	e11,000	6,320	54,700	21,700	18,600	5,350	7,620	18,400
2	13,900	43,900	29,500	26,900	e12,700	7,100	84,500	19,000	17,200	5,090	5,380	19,100
3	11,600	35,000	26,100	25,100	e11,600	7,830	81,400	18,600	16,900	4,800	6,570	15,100
4	12,300	30,400	23,100	24,900	e11,700	12,800	70,500	19,700	18,300	3,850	5,750	11,900
5	9,580	31,000	18,900	23,600	13,000	17,200	62,600	24,700	17,300	4,060	7,310	7,550
6	10,400	28,300	17,000	27,200	11,400	14,700	54,200	27,300	15,100	6,660	6,500	5,970
7	10,700	27,900	16,800	24,100	e13,400	17,600	43,300	26,300	12,500	5,200	3,690	6,740
8	9,410	24,200	14,900	20,500	e14,000	20,000	36,100	22,400	9,900	3,380	3,290	8,400
9	8,610	21,200	14,900	18,500	13,200	19,200	30,700	19,700	8,830	6,690	3,060	12,100
10	8,390	18,500	15,000	14,400	e11,800	19,300	28,100	17,000	9,640	6,840	4,590	21,200
11	7,310	18,700	16,600	15,600	e10,800	15,200	24,700	16,600	10,500	7,670	5,170	23,700
12	5,900	17,700	28,300	18,900	e10,600	15,300	25,800	15,700	10,400	6,600	5,840	21,100
13	6,260	17,400	35,000	18,000	e11,400	14,800	27,800	15,400	8,560	7,960	9,180	15,700
14	6,530	18,300	32,400	19,300	10,300	13,100	42,500	11,400	7,450	5,750	12,400	11,700
15	13,900	20,900	22,700	22,100	9,060	12,300	51,700	8,990	7,660	6,610	11,000	10,100
16	16,300	19,100	21,300	26,500	9,110	13,100	49,200	11,700	7,910	7,290	6,700	10,100
17	19,100	17,400	23,800	e23,000	8,590	13,600	43,600	12,700	6,110	6,330	6,270	7,850
18	14,600	15,000	45,100	e19,700	10,600	12,400	34,300	12,100	5,570	6,160	7,900	17,400
19	11,400	14,200	59,200	e16,500	9,630	10,500	31,900	12,200	5,930	4,340	8,420	39,900
20	10,700	24,200	55,600	e14,700	8,400	10,500	31,600	11,400	4,650	5,630	9,030	29,400
21	9,690	46,900	47,200	e13,700	7,150	8,920	28,900	8,630	5,170	6,080	9,210	20,700
22	10,900	50,400	39,500	e13,200	3,780	9,420	29,300	8,150	5,760	6,330	13,500	16,200
23	16,500	44,400	33,400	e12,300	6,910	13,900	27,700	6,440	4,780	5,420	16,100	14,500
24	18,700	36,300	32,800	e11,700	7,160	11,200	27,900	13,500	5,530	4,830	14,000	11,900
25	15,700	29,500	49,400	e11,500	7,130	10,000	26,000	34,200	5,540	8,370	11,900	8,980
26	12,700	25,400	66,400	e10,600	6,330	9,770	26,800	45,200	6,000	7,540	8,880	8,390
27	18,100	23,800	63,400	e10,300	6,840	16,000	32,800	38,100	4,720	7,410	6,970	8,390
28	40,100	20,600	52,000	e10,200	7,530	30,900	33,100	32,800	4,020	8,320	7,450	9,110
29	60,800	30,200	41,300	e9,650	7,520	36,400	28,600	27,200	3,690	11,300	6,960	12,100
30	79,100	40,100	35,400	e9,550	---	35,800	25,800	24,800	5,270	9,220	6,450	12,800
31	72,800	---	32,000	e9,650	---	39,800	---	20,300	---	6,460	12,700	---
TOTAL	582,580	851,600	1,047,600	548,650	282,640	494,960	1,196,100	603,910	269,490	197,540	249,790	436,480
MEAN	18,790	28,390	33,790	17,700	9,746	15,970	39,870	19,480	8,983	6,372	8,058	14,550
MAX	79,100	60,700	66,400	27,200	14,000	39,800	84,500	45,200	18,600	11,300	16,100	39,900
MIN	5,900	14,200	14,900	9,550	3,780	6,320	24,700	6,440	3,690	3,380	3,060	5,970

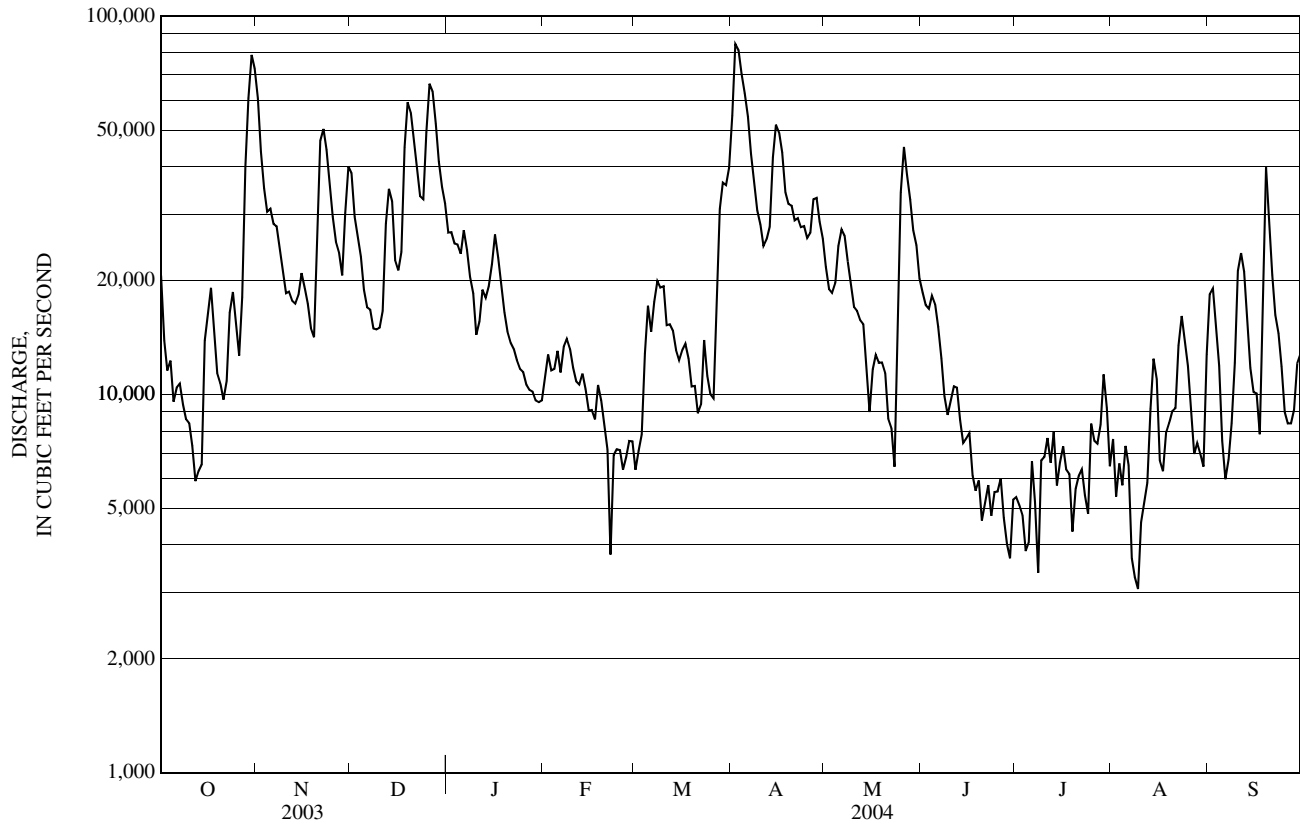
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	11,980	20,500	21,480	13,350	9,017	20,230	36,620	19,670	9,952	5,451	9,835	11,740
MAX	18,790	28,390	33,790	17,700	9,746	24,500	39,870	19,850	10,920	6,372	11,610	14,550
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2004)	(2003)	(2004)
MIN	5,175	12,620	9,169	8,993	8,262	15,970	33,380	19,480	8,983	4,529	8,058	8,928
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)	(2004)	(2003)	(2004)	(2003)

e Estimated

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	6,463,990		6,761,340		15,820	
ANNUAL MEAN	17,710		18,470		18,470	
HIGHEST ANNUAL MEAN					13,170	
LOWEST ANNUAL MEAN					84,500	
HIGHEST DAILY MEAN	79,100	Oct 30	84,500	Apr 2	84,500	Apr 2, 2004
LOWEST DAILY MEAN	2,490	Jul 10	3,060	Aug 9	2,000	Oct 6, 2002
ANNUAL SEVEN-DAY MINIMUM	3,750	Jul 10	4,580	Jun 28	2,280	Oct 5, 2002
MAXIMUM PEAK FLOW			91,700	Apr 2	91,700	Apr 2, 2004
MAXIMUM PEAK STAGE			25.20	Apr 2	25.20	Apr 2, 2004
INSTANTANEOUS LOW FLOW			2,680	Aug 9	1,960	Jul 10, 2003
10 PERCENT EXCEEDS	39,700		36,900		32,800	
50 PERCENT EXCEEDS	11,000		13,600		10,700	
90 PERCENT EXCEEDS	4,750		6,060		4,950	



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.--Records good, except for periods of estimated record, which are fair. 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, 96,100 ft³/s, Apr. 2, gage height, 6.09 ft; minimum discharge, 2,860 ft³/s, Aug. 9, gage height, -1.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26,800	71,700	43,200	31,500	e8,880	6,590	54,200	21,100	22,800	5,680	8,520	e20,400
2	18,200	52,800	34,000	31,200	e8,990	7,010	86,200	18,400	21,900	5,350	5,910	e21,100
3	14,800	41,100	30,200	29,000	e8,690	7,960	86,400	18,200	21,000	5,370	7,160	16,800
4	14,600	34,400	25,800	29,600	e8,580	13,200	73,200	20,100	22,500	3,840	6,700	13,200
5	13,000	35,600	22,800	27,900	e8,480	18,000	64,000	24,500	21,200	3,910	8,360	9,000
6	12,200	32,600	20,400	30,400	e8,370	15,800	55,100	27,600	18,700	7,400	7,860	6,200
7	13,200	32,700	20,100	e26,500	e8,830	18,600	43,100	26,700	15,700	5,860	4,010	6,920
8	12,200	29,000	17,500	e19,900	e9,130	21,200	35,600	23,100	12,900	3,500	3,620	9,130
9	10,700	25,900	17,300	e16,100	e8,980	20,300	30,200	20,100	11,500	6,550	3,040	13,500
10	10,800	22,600	17,600	e13,700	e8,760	21,100	27,200	17,400	12,500	7,800	4,290	23,500
11	9,680	21,800	19,600	e11,800	e8,530	16,200	23,700	17,300	13,300	8,250	5,530	25,900
12	8,650	21,300	33,100	e11,000	e9,090	16,200	24,400	16,400	13,100	7,300	5,950	23,600
13	7,890	20,100	40,100	e10,500	9,730	15,600	27,500	16,300	10,700	8,590	10,000	17,400
14	7,970	21,500	38,200	e10,500	9,360	13,700	42,300	12,500	8,990	6,300	14,200	13,400
15	14,900	24,600	27,800	e10,700	8,320	12,700	51,900	9,420	8,930	6,750	13,200	11,000
16	20,900	22,500	25,700	e10,700	8,580	13,500	48,200	12,400	9,830	8,020	8,150	10,800
17	22,800	20,200	28,000	e10,400	7,940	14,100	42,800	14,000	7,620	6,750	6,650	8,990
18	19,000	18,200	50,100	e9,820	9,930	13,100	34,200	13,500	6,350	6,880	8,950	19,700
19	14,900	16,500	66,700	e10,100	9,520	10,800	31,200	14,400	7,080	4,430	9,160	44,400
20	13,000	27,900	63,200	e10,300	8,410	10,700	30,800	15,700	5,500	5,780	10,300	33,900
21	12,600	50,800	53,800	e10,100	7,810	9,260	27,900	13,800	5,310	6,430	11,000	25,000
22	12,900	55,300	45,200	e9,860	4,160	9,780	28,100	12,900	6,260	6,430	16,100	19,100
23	16,500	49,000	38,600	e9,660	6,390	13,800	27,100	10,700	5,060	5,500	18,100	16,800
24	23,100	40,600	37,800	e9,580	7,440	11,700	27,400	16,600	5,540	4,730	16,000	13,700
25	18,600	33,800	54,800	e9,420	7,350	10,200	25,500	37,500	5,680	8,690	13,400	10,500
26	15,700	29,200	73,100	e9,340	6,610	9,820	25,900	51,200	6,640	8,370	10,100	9,530
27	18,100	27,500	71,600	e9,260	6,990	16,400	32,300	44,700	4,970	7,830	7,440	9,480
28	39,600	23,900	58,800	e9,180	7,500	32,600	33,100	39,200	4,050	8,700	8,140	11,100
29	62,100	33,500	47,000	e9,110	7,840	38,200	27,900	33,000	3,720	12,200	7,650	16,400
30	88,300	44,000	40,800	e9,030	---	37,500	25,600	30,100	5,110	10,500	6,690	16,800
31	85,400	---	37,200	e8,990	---	40,600	---	25,300	---	6,980	12,700	---
TOTAL	679,090	980,600	1,200,100	465,150	239,190	516,220	1,193,000	674,120	324,440	210,670	278,880	497,250
MEAN	21,910	32,690	38,710	15,000	8,248	16,650	39,770	21,750	10,810	6,796	8,996	16,580
MAX	88,300	71,700	73,100	31,500	9,930	40,600	86,400	51,200	22,800	12,200	18,100	44,400
MIN	7,890	16,500	17,300	8,990	4,160	6,590	23,700	9,420	3,720	3,500	3,040	6,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

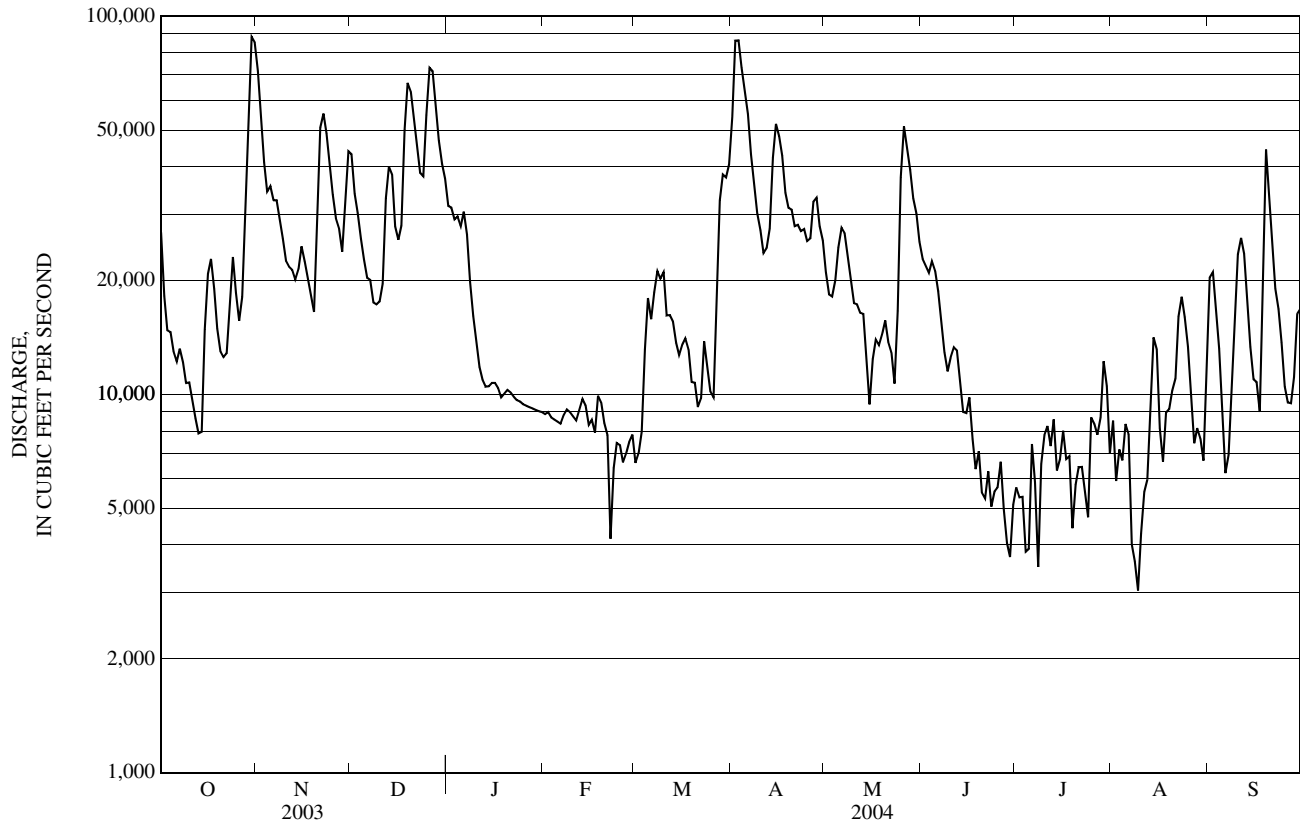
	MEAN	10,210	14,970	15,840	14,130	13,540	25,000	45,170	26,950	13,870	7,892	7,091	7,325
MAX	31,730	33,310	39,000	30,180	39,100	89,210	76,050	51,520	42,600	28,810	22,530	42,700	
(WY)	(1978)	(1996)	(1997)	(1978)	(1981)	(1936)	(1960)	(1972)	(1984)	(1973)	(1955)	(1938)	
MIN	2,690	5,015	5,548	4,311	4,386	6,965	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)	

e Estimated

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	7,655,840		7,258,710		16,810	
ANNUAL MEAN	20,970		19,830		7,847	
HIGHEST ANNUAL MEAN					24,920	
LOWEST ANNUAL MEAN					1996	
HIGHEST DAILY MEAN	88,300	Oct 30	88,300	Oct 30	278,000	Mar 20, 1936
LOWEST DAILY MEAN	3,280	Jul 21	3,040	Aug 9	968	Oct 20, 1963
ANNUAL SEVEN-DAY MINIMUM	4,880	Jul 10	4,710	Jun 29	1,870	Aug 15, 1964
MAXIMUM PEAK FLOW			96,100	Apr 2	282,000	Mar 20, 1936
MAXIMUM PEAK STAGE			6.09	Apr 2	a 16.60	Mar 20, 1936
INSTANTANEOUS LOW FLOW			2,860	Aug 9	968	Oct 20, 1963
10 PERCENT EXCEEDS	43,400		40,700		37,200	
50 PERCENT EXCEEDS	14,300		13,900		11,200	
90 PERCENT EXCEEDS	6,260		6,580		4,090	

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 August 2004 (discontinued).

WATER TEMPERATURES: October 1955 to September 1956, October 1973 to September 1999, December 2001 to August 2004 (discontinued).

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 2003 TO SEPTEMBER 2004

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, 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...	0715	12,900	2.5	10.4	95	7.4	146	15.0	11.0	40	12.7	1.98	1.89
DEC 09...	0915	17,300	2.3	14.4	97	7.3	124	1.5	.0	34	10.4	1.87	1.04
23...	1040	38,500	--	14.3	102	7.3	101	9.0	1.5	--	--	--	--
JAN 21...	1115	e10,100	--	13.9	96	7.3	145	-4.0	.5	--	--	--	--
FEB 09...	1000	e8,980	1.7	14.6	99	7.3	230	2.5	.0	43	13.6	2.20	1.46
MAR 03...	1015	9,040	--	13.0	101	7.4	188	14.5	5.0	--	--	--	--
APR 06...	1100	56,200	14	13.3	100	7.0	85	10.0	3.5	21	6.76c	1.01c	.88c
MAY 12...	1200	16,100	--	10.2	104	7.5	124	25.0	16.5	--	--	--	--
JUN 01...	1100	23,200	3.2	9.5	97	7.4	99	21.0	16.0	27	8.75	1.22	.88
30...	1015	5,770	--	9.1	107	7.2	180	26.5	23.5	--	--	--	--
JUL 14...	1000	5,080	--	8.8	103	7.2	172	20.0	23.0	--	--	--	--
22...	1200	5,770	.67	9.7	115	7.7	165	28.0	27.0	47	15.7	1.89	1.71
AUG 11...	0930	--	--	6.9	82	7.2	140	--	24.0	--	--	--	--
25...	1215	14,700	--	8.4	96	6.9	127	23.0	23.0	--	--	--	--
26...	0730	10,900	1.2	8.5	97	7.6	125	16.5	22.0	37	12.3	1.57	1.55
SEP 08...	1040	8,230	--	8.2	95	6.7	138	23.0	23.0	--	--	--	--
23...	1000	17,100	3.0	9.0	95	7.2	100	25.0	18.0	25	7.80	1.30	1.06

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 unf 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 21...	11.5	30	37	.0	16.8	<.2	6.31	7.4	87	82	.21	.23	E.02n
DEC 09...	9.20	23	28	.0	14.6	<.2	7.88	7.4	78	70	.23	.22	.07
23...	--	16	20	.0	11.6	--	--	6.0	--	--	--	--	<.04
JAN 21...	--	28	34	.0	17.0	--	--	8.7	--	--	--	--	.08
FEB 09...	24.9	28	34	.0	39.4	<.2	7.46	9.2	125	129	.29	.36	.12
MAR 03...	--	29	35	.0	25.3	--	--	8.9	--	--	--	--	.12
APR 06...	6.47c	13	16	.0	10.2c	<.2	5.22c	5.1c	93	55	.20	.29	<.04
MAY 12...	--	22	26	.0	16.2	--	--	6.6	--	--	--	--	E.03n
JUN 01...	7.49	20	24	.0	11.5	<.2	5.50	5.4	81	67	.16	.24	E.04n
30...	--	34	41	.0	22.6	--	--	9.2	--	--	--	--	.06
JUL 14...	--	38	47	.0	21.1	--	--	9.0	--	--	--	--	.06
22...	12.1	37	46	.0	19.6	<.2	4.11	8.7	81	95	.23	.22	<.04
AUG 11...	--	--	--	.0	--	--	--	--	--	--	--	--	--
25...	--	26	31	.0	13.0	--	--	5.9	--	--	--	--	<.04
26...	9.26	28	35	.0	13.2	<.2	5.20	5.7	71	72	.22	.26	E.02n
SEP 08...	--	32	40	.0	14.0	--	--	6.4	--	--	--	--	E.03n
23...	7.91	18	23	.0	11.4	<.2	5.58	5.1	75	68	.29	.32	E.04n

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, 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)	Inor- ganic 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 coli- form, M-FC col/ 100 mL (31616)
OCT 21...	.31	E.005n	--	E.01n	.018	.030	.54	--	--	--	4.1	30	59
DEC 09...	.40	E.004n	.15	<.02	.013	.023	.62	--	--	--	2.9	80	100
23...	.25	<.008	--	E.003n	--	.025	--	<.1	.4	3.1	--	--	--
JAN 21...	.50	E.004n	--	E.005n	--	.031	--	<.1	.2	3.0	--	--	--
FEB 09...	.63	.010	.25	E.01n	.020	.033	1.0	--	--	--	2.5	170	400
MAR 03...	.74	E.007n	--	.016	--	.052	--	<.1	.4	3.0	--	--	--
APR 06...	.29	<.008	--	<.02	.009	.059	.57	--	--	--	4.7	5k	11k
MAY 12...	.31	E.005n	--	.010	--	.025	--	<.1	.2	3.1	--	--	--
JUN 01...	.23	E.005n	--	E.01n	.019	.034	.46	--	--	--	4.2	--p	--p
30...	.44	E.007n	--	.009	--	.026	--	<.1	<.1	3.1	--	--	--
JUL 14...	.34	E.004n	--	.014	--	.028	--	<.1	.3	2.9	--	--	--
22...	.34	E.004n	--	<.02	.023	.029	.56	--	--	--	3.5	20	27
AUG 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	.25	<.008	--	.009	--	.025	--	<.1	.2	3.2	--	--	--
26...	.28	E.004n	--	<.02	.023	.028	.53	--	--	--	4.4	56	270
SEP 08...	.37	E.007n	--	.015	--	.032	--	<.1	.1	4.4	--	--	--
23...	.18	<.008	--	<.02	.015	.031	.50	--	--	--	6.1	41	58

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	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)
OCT 21...	18	<.20	13	<.06	<.04	<.8	.086	1.3	94	E.07n	22.0	E.2n	1.20
DEC 09...	34	<.20	14	<.06	<.04	<.8	.106	5.0	125	E.06n	32.0	E.4n	.83
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 09...	20	<.20	20	<.06	<.04	<.8	.109	1.0	82	E.08n	39.7	<.4	.87
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 06...	37	<.20	8	<.06	<.04	<.8	.071	1.0	54c	.09	8.8	<.4	.61
MAY 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 01...	21	<.20	10	<.06	<.04	<.8	.076	1.1	67	E.06n	11.2	<.4	.47
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	14	<.20	14	<.06	<.04	<.8	.082	1.3	36	E.05n	6.5	.6	.91
AUG 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	18	<.20	11	<.06	<.04	<.8	.074	1.3	85	.09	14.9	E.4n	.86
SEP 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	32	<.20	11	<.06	<.04	<.8	.071	1.0	83	E.08n	12.9	E.3n	.68

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible][illegible]

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 21...	--	--	--	--	--	--	--	--	--	--	.08	--	--
DEC 09...	--	--	--	--	--	--	--	--	--	--	.07	--	--
23...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	9	936
JAN 21...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	26	1,070
FEB 09...	--	--	--	--	--	--	--	--	--	--	.10	--	--
MAR 03...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	6	146
APR 06...	--	--	--	--	--	--	--	--	--	--	.06	--	--
MAY 12...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	4	174
JUN 01...	--	--	--	--	--	--	--	--	--	--	.07	--	--
30...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	40	623
JUL 14...	<.025	<.011	<.02	.011	<.02	<.034	<.02	<.010	<.002	<.009	--	20	274
22...	--	--	--	--	--	--	--	--	--	--	.10	--	--
AUG 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	26	1,030
26...	--	--	--	--	--	--	--	--	--	--	.07	--	--
SEP 08...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	3	67
23...	--	--	--	--	--	--	--	--	--	--	.07	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Particulate nitrogen, susp, water, mg/L (49570)	Total carbon, suspnd total, mg/L (00694)	Chlorophyll a periphyton, chromo-fluoro, mg/m2 (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 21...	--	--	--	--	--	--	--	--
DEC 09...	--	--	--	--	--	--	--	--
23...	.04	.4	--	<.012	<.029	<.013	<.024	<.016
JAN 21...	<.02	.2	--	<.012	<.029	<.013	<.024	<.016
FEB 09...	--	--	--	--	--	--	--	--
MAR 03...	.06	.4	--	<.012	<.029	<.013	<.024	<.016
APR 06...	--	--	--	--	--	--	--	--
MAY 12...	E.02c	.2	--	<.012	<.029	<.013	<.024	<.016
JUN 01...	--	--	--	--	--	--	--	--
30...	<.02	<.1	--	<.012	<.029	<.013	<.024	<.016
JUL 14...	.04	.3	--	<.012	<.029	<.013	<.024	<.016
22...	--	--	--	--	--	--	--	--
AUG 11...	--	--	88.1d	--	--	--	--	--
25...	<.02	.2	--	<.012	<.029	<.013	<.024	<.016
26...	--	--	--	--	--	--	--	--
SEP 08...	<.02	.1	--	<.012	<.029	<.013	<.024	<.016
23...	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

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 LRL and above the LT-MDL

t -- Below the long-term MDL

Null value qualifier codes used in this table:

p -- Sample discarded: improper preservation

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.0	15.4	15.8	10.0	9.8	9.9	5.3	4.6	5.0	2.0	1.6	1.9
2	15.6	14.7	15.2	10.7	10.0	10.3	4.6	3.4	4.2	1.8	1.6	1.6
3	14.8	14.0	14.4	11.3	10.6	10.9	3.4	2.2	2.9	2.1	1.6	1.8
4	14.0	13.5	13.7	11.4	11.0	11.2	2.6	1.7	2.2	2.6	2.1	2.3
5	---	---	---	11.0	10.4	10.6	2.4	1.7	2.1	2.6	2.5	2.5
6	---	---	---	10.4	9.9	10.1	1.8	0.5	1.3	2.5	2.0	2.3
7	13.4	12.4	13.0	10.2	9.8	10	0.7	0.1	0.4	2.0	0.6	1.2
8	13.9	12.7	13.3	9.9	8.4	9.3	0.8	0.2	0.6	0.6	0.0	0.2
9	14.2	13.6	13.9	8.4	6.9	7.6	0.7	0.3	0.5	0.1	0.0	0.0
10	14.1	13.8	13.9	6.9	6.0	6.5	1.3	0.6	0.9	0.1	0.0	0.0
11	14.8	13.6	14.3	6.0	5.3	5.6	2.3	1.3	1.9	0.1	0.0	0.0
12	14.6	14.2	14.4	6.0	5.5	5.7	2.3	1.6	2.0	0.1	0.0	0.0
13	15.2	14.0	14.6	6.8	6.0	6.5	1.6	0.7	1.3	0.2	0.0	0.1
14	15.1	14.2	14.8	6.6	5.4	5.9	0.7	0.0	0.3	0.1	0.0	0.0
15	15.1	13.7	14.7	5.4	4.3	4.8	0.3	0.0	0.1	0.1	0.0	0.0
16	13.7	12.8	13.2	4.3	3.9	4.1	0.5	0.1	0.3	0.1	0.0	0.0
17	13.1	12.3	12.6	4.5	4.1	4.3	1.2	0.4	0.9	0.1	0.0	0.0
18	12.6	12.1	12.3	5.7	4.4	5.0	1.4	0.9	1.1	0.1	0.0	0.1
19	12.2	11.1	11.6	7.3	5.7	6.2	1.1	0.8	0.9	0.2	0.0	0.1
20	11.3	10.6	11.0	8.4	7.3	8.0	0.8	0.5	0.7	0.2	0.0	0.1
21	11.7	10.8	11.2	7.8	6.1	6.8	0.5	0.3	0.3	0.3	0.0	0.1
22	11.6	10.4	10.9	6.3	5.9	6.1	0.8	0.2	0.5	0.3	0.0	0.1
23	10.4	9.6	10.1	6.2	6.0	6.1	1.4	0.8	1.1	0.3	0.0	0.1
24	9.8	9.2	9.5	6.1	5.8	5.9	2.1	1.4	1.6	0.2	0.0	0.1
25	9.5	8.6	9.1	6.0	5.5	5.8	2.4	2.1	2.2	0.2	0.0	0.1
26	10.1	9.0	9.4	5.5	5.2	5.3	2.1	1.2	1.5	0.2	0.0	0.1
27	11.5	10.1	10.7	5.4	4.9	5.2	1.3	1.1	1.2	0.2	0.0	0.1
28	11.5	10.7	11.1	6.1	5.3	5.5	1.4	1.2	1.3	0.3	0.1	0.2
29	10.7	10.3	10.5	6.5	6.1	6.3	1.6	1.3	1.4	0.5	0.1	0.3
30	10.5	10.0	10.2	6.2	5.3	5.7	1.8	1.5	1.6	0.5	0.1	0.3
31	10.0	9.7	9.9	---	---	---	2.0	1.7	1.9	0.5	0.0	0.2
MONTH	16.0	8.6	12.4	11.4	3.9	7.0	5.3	0.0	1.4	2.6	0.0	0.5
FEBRUARY			MARCH			APRIL			MAY			
1	0.5	0.0	0.2	4.2	2.6	3.5	4.6	4.2	4.3	14.3	12.2	13.3
2	0.8	0.0	0.3	4.8	3.8	4.3	4.2	3.7	4.0	14.5	13.8	14.2
3	0.3	0.1	0.2	5.3	4.3	4.8	3.9	3.6	3.7	14.4	13.4	14.1
4	0.7	0.1	0.3	4.9	3.8	4.3	4.0	3.8	3.9	13.9	12.8	13.3
5	0.6	0.0	0.3	3.8	2.5	3.0	4.0	3.5	3.7	13.0	12.3	12.6
6	0.2	0.1	0.1	3.0	2.5	2.7	4.2	3.3	3.8	13.6	11.7	12.8
7	0.5	0.1	0.3	3.0	2.1	2.6	4.5	4.0	4.3	15.0	13.2	14.1
8	0.4	0.0	0.1	2.7	2.4	2.5	5.4	4.2	4.9	15.4	13.9	14.6
9	0.4	0.0	0.2	2.5	2.0	2.1	6.2	5.2	5.7	14.5	13.6	13.9
10	0.8	0.1	0.4	2.6	1.7	2.1	7.0	5.8	6.4	15.0	13.4	14.2
11	0.6	0.0	0.2	3.4	1.7	2.6	7.2	6.2	6.7	16.3	14.3	15.4
12	0.4	0.0	0.1	3.4	2.6	3.0	7.7	6.6	7.2	---	---	---
13	0.7	0.0	0.3	3.0	1.9	2.5	7.4	7.0	7.2	---	---	---
14	0.7	0.0	0.3	2.6	1.6	2.3	7.0	6.3	6.5	---	---	---
15	0.6	0.0	0.2	3.6	2.3	2.9	7.0	6.1	6.5	20.2	18.1	19.2
16	0.6	0.0	0.2	3.2	2.4	2.8	7.5	6.5	7.0	20.0	19.5	19.8
17	0.6	0.0	0.3	2.5	1.7	2.1	8.5	7.0	7.7	20.9	19.3	20.1
18	0.7	0.4	0.5	2.3	1.6	2.0	9.7	8.1	8.9	20.1	19.4	19.7
19	1.0	0.1	0.5	2.8	2.1	2.4	11.0	9.4	10.2	19.9	19.4	19.7
20	0.8	0.2	0.5	3.2	2.4	2.8	11.9	10.6	11.2	20.3	18.8	19.5
21	1.1	0.8	1.0	4.4	3.2	3.8	11.9	11.0	11.4	20.4	18.9	19.7
22	2.1	0.9	1.5	4.1	3.2	3.7	12.2	11.2	11.7	20.3	18.7	19.5
23	2.3	1.1	1.7	4.0	3.0	3.5	11.9	11.2	11.5	20.1	18.3	19.2
24	1.8	1.3	1.6	4.6	3.4	4.0	12.2	10.8	11.6	19.7	18.9	19.2
25	2.0	1.0	1.6	5.1	4.6	4.8	11.8	10.9	11.4	19.3	18.0	18.8
26	2.5	1.3	1.9	7.2	5.0	6.0	11.2	10.4	10.6	18.0	15.1	16.2
27	2.4	1.1	1.9	8.1	6.7	7.4	11.1	9.8	10.5	15.6	14.5	15.1
28	3.3	1.8	2.6	8.0	5.2	6.2	11.1	10.2	10.7	15.5	14.8	15.1
29	3.1	2.8	2.9	5.2	4.5	4.8	11.7	10.0	10.9	15.8	14.8	15.3
30	---	---	---	5.0	4.2	4.6	12.8	11.2	12.1	16.1	14.9	15.5
31	---	---	---	5.0	4.6	4.7	---	---	---	16.5	15.4	15.9
MONTH	3.3	0.0	0.8	8.1	1.6	3.6	12.8	3.3	7.9	20.9	11.7	16.4

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	112	105	108	76	72	74	92	87	88	81	77	79
2	121	112	116	84	76	79	99	91	95	88	79	81
3	128	120	123	89	84	86	103	94	98	101	88	95
4	131	128	129	93	89	91	110	101	105	98	90	93
5	---	---	---	98	92	96	115	105	109	106	93	99
6	---	---	---	99	95	97	120	109	113	104	93	96
7	143	103	136	99	96	96	121	115	118	101	96	97
8	144	138	140	99	97	98	125	119	122	102	98	100
9	144	139	142	102	99	100	125	121	124	132	100	119
10	147	142	145	106	102	104	128	122	125	135	124	131
11	150	145	148	108	106	107	155	126	137	140	130	134
12	158	149	155	110	107	109	162	104	121	134	128	131
13	163	156	161	112	110	112	107	98	103	140	134	139
14	166	153	158	114	109	112	101	96	99	141	129	136
15	168	137	157	110	109	109	138	96	109	135	131	133
16	137	118	122	113	110	111	147	116	124	134	97	123
17	122	113	117	117	113	114	141	111	120	129	84	107
18	136	118	129	117	112	114	146	99	120	145	129	137
19	143	134	137	118	115	117	99	88	92	149	145	148
20	143	139	142	119	86	110	92	87	90	150	145	147
21	143	135	140	94	84	87	92	91	91	148	142	144
22	145	141	143	93	91	92	91	88	89	152	148	150
23	142	134	140	93	89	91	108	90	94	154	146	150
24	134	127	129	92	89	90	107	94	98	152	146	148
25	137	129	132	94	92	93	107	75	86	157	147	152
26	140	136	137	95	92	93	75	70	72	159	147	153
27	143	129	138	96	93	94	72	68	70	151	147	149
28	131	103	115	106	95	99	70	68	68	158	149	153
29	104	72	91	115	88	104	75	69	72	172	158	168
30	78	71	75	88	85	86	77	73	75	171	153	158
31	74	71	73	---	---	---	78	74	76	162	156	159
MONTH	168	71	130	119	72	99	162	68	100	172	77	129
FEBRUARY			MARCH			APRIL			MAY			
1	163	143	158	184	173	178	101	89	95	115	103	110
2	163	155	160	174	156	168	89	72	80	123	111	117
3	166	155	161	177	156	174	72	70	71	125	114	121
4	214	166	183	171	153	161	74	71	72	129	117	123
5	247	213	227	153	141	147	74	72	74	119	107	113
6	223	191	207	145	140	144	77	72	74	114	105	108
7	342	205	303	144	122	133	85	77	81	115	108	111
8	354	261	311	125	122	124	88	85	86	120	111	114
9	261	207	223	133	122	127	98	88	92	124	117	119
10	207	198	203	134	129	132	97	95	96	125	120	122
11	204	193	201	134	125	129	104	97	101	122	120	121
12	200	189	192	129	119	124	104	102	103	---	---	---
13	194	182	188	124	119	122	110	95	105	---	---	---
14	185	175	179	128	123	125	95	79	87	---	---	---
15	189	178	184	131	127	128	83	79	81	142	133	138
16	184	165	174	137	131	134	91	83	88	145	136	141
17	180	175	178	159	137	146	98	90	93	136	132	134
18	180	170	175	166	159	163	103	93	97	134	131	133
19	182	173	179	170	163	166	101	91	94	142	134	138
20	193	181	185	164	152	157	96	92	95	141	132	135
21	185	178	182	172	155	164	103	96	99	140	132	134
22	205	179	193	170	157	163	107	100	102	143	140	141
23	218	200	211	158	146	152	115	103	108	143	138	141
24	202	184	192	147	144	146	115	104	108	148	129	140
25	206	185	196	150	143	145	108	103	105	129	114	122
26	210	184	195	153	148	151	114	106	110	114	94	103
27	210	179	191	153	133	146	115	95	104	95	91	93
28	192	176	183	133	110	115	99	90	95	91	87	89
29	186	172	177	110	102	106	108	94	101	91	88	89
30	---	---	---	102	95	100	112	101	106	94	90	91
31	---	---	---	101	93	97	---	---	---	98	94	96
MONTH	354	143	196	184	93	141	115	70	93	148	87	119

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 good, except for periods of ice effect, which are fair.

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)
Oct 29	1830	262	3.18	Apr 14	0245	*303	*3.32
Dec 25	0500	201	2.96				

Minimum discharge, 0.14 ft³/s, Sept. 6, gage height, 1.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	40	24	25	e4.4	22	132	20	14	1.6	2.1	3.0
2	32	32	20	23	e5.5	38	142	19	16	3.2	2.5	0.98
3	25	28	18	26	e5.3	44	60	22	11	2.1	1.7	0.56
4	19	25	15	33	e5.6	38	40	64	8.4	1.4	1.1	0.35
5	18	31	16	67	e5.9	28	36	31	7.2	2.9	8.0	1.4
6	17	57	15	58	e7.0	35	26	23	6.3	8.3	4.7	0.19
7	17	41	16	e29	e19	31	23	19	6.0	3.5	2.2	0.23
8	14	30	19	e18	e15	22	21	15	5.5	2.8	1.6	0.86
9	13	21	18	e12	e13	19	19	15	4.7	4.6	1.2	27
10	12	18	16	e8.2	e12	17	17	16	4.6	2.2	0.96	20
11	12	18	48	e6.3	e11	17	15	21	4.0	1.4	1.2	6.4
12	13	25	107	e6.8	9.7	17	14	16	3.3	1.2	1.7	4.2
13	13	21	43	e7.6	8.5	13	83	13	2.9	3.7	1.4	4.9
14	12	19	21	e7.3	8.1	11	213	11	3.0	5.0	1.2	5.0
15	72	17	23	e5.8	7.4	12	93	9.8	3.4	3.3	11	4.7
16	53	14	29	e5.3	6.2	13	52	14	2.6	2.3	7.6	4.6
17	22	15	44	e5.2	5.3	12	36	11	2.1	1.8	5.1	3.9
18	15	17	163	e5.3	5.1	11	30	8.9	2.0	1.4	3.6	70
19	16	19	82	e5.4	5.3	11	27	15	5.5	6.9	2.7	82
20	23	93	48	e5.3	5.2	12	23	11	3.8	4.6	2.4	21
21	19	63	34	e4.9	5.6	40	20	10	2.6	2.5	13	9.4
22	25	32	31	e4.7	7.6	32	18	8.8	2.3	1.6	19	7.6
23	18	25	36	e4.6	9.2	16	48	8.4	2.1	1.4	6.6	5.3
24	14	21	65	e4.2	8.5	15	53	8.8	1.3	6.0	4.1	4.8
25	13	25	150	e3.8	7.2	20	26	10	4.8	3.6	3.0	3.9
26	13	23	67	e3.6	7.6	17	52	8.5	23	2.0	2.5	4.0
27	42	20	43	e3.6	8.3	26	76	35	6.2	1.8	2.9	2.3
28	118	22	33	e3.8	12	22	39	35	3.5	6.8	2.9	34
29	155	67	29	e3.9	16	16	25	30	2.8	4.5	0.71	91
30	128	39	29	e4.0	---	13	22	12	2.0	2.8	0.77	44
31	57	---	29	e4.3	---	60	---	8.6	---	2.3	0.99	---
TOTAL	1,075	918	1,331	404.9	246.5	700	1,481	549.8	166.9	99.5	120.43	467.57
MEAN	34.7	30.6	42.9	13.1	8.50	22.6	49.4	17.7	5.56	3.21	3.88	15.6
MAX	155	93	163	67	19	60	213	64	23	8.3	19	91
MIN	12	14	15	3.6	4.4	11	14	8.4	1.3	1.2	0.71	0.19
CFSM	3.33	2.94	4.13	1.26	0.82	2.17	4.75	1.71	0.53	0.31	0.37	1.50
IN.	3.85	3.28	4.76	1.45	0.88	2.50	5.30	1.97	0.60	0.36	0.43	1.67

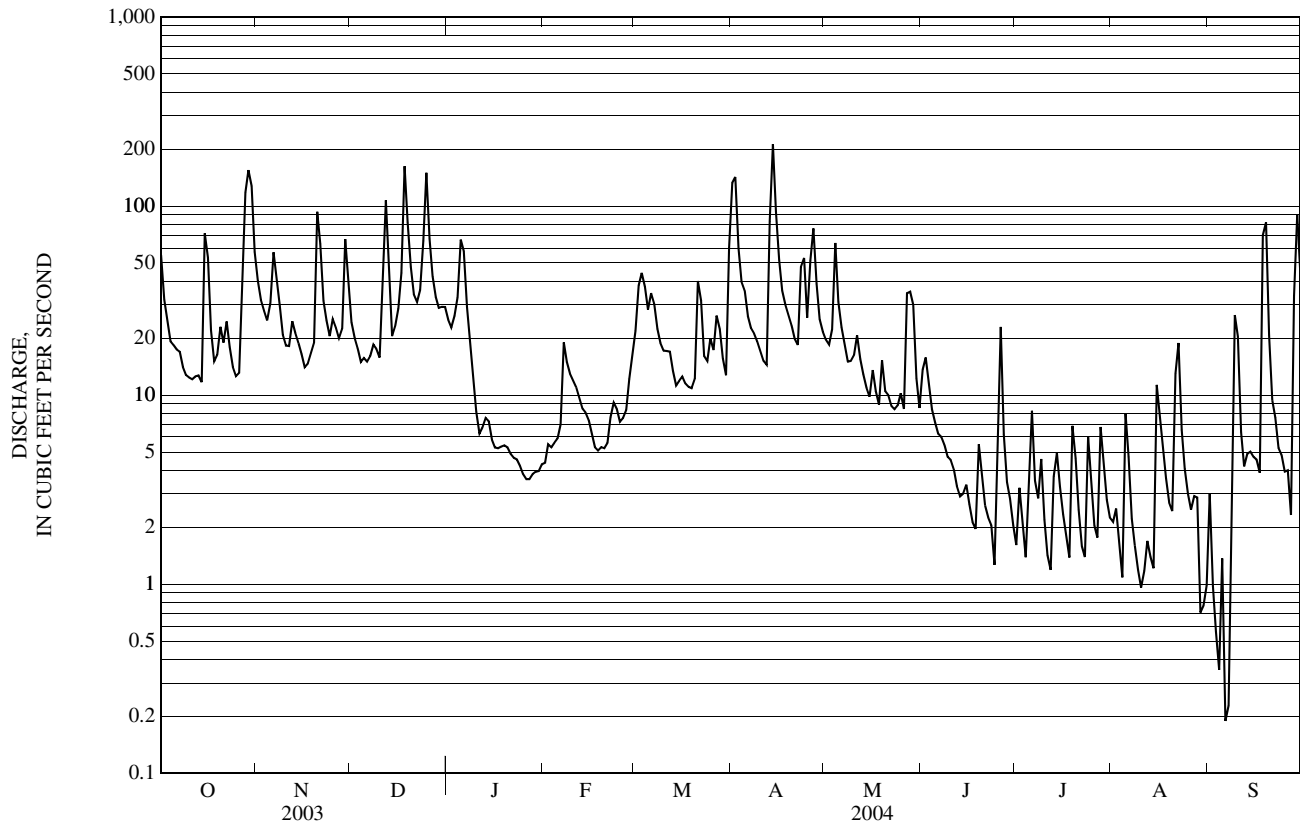
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

	MEAN	12.8	18.9	22.4	21.4	23.6	41.2	34.7	23.5	20.3	5.42	6.27	9.39
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	10,977.5		7,560.60		20.1	
ANNUAL MEAN	30.1		20.7		29.9	
HIGHEST ANNUAL MEAN					6.83	
LOWEST ANNUAL MEAN					910	
HIGHEST DAILY MEAN	545	Sep 28	213	Apr 14	6.83	1984
LOWEST DAILY MEAN	1.8	Aug 31	0.19	Sep 6	0.08	2002
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 26	0.65	Sep 2	0.13	1995
MAXIMUM PEAK FLOW			303	Apr 14	1,920	2003
MAXIMUM PEAK STAGE			3.32	Apr 14	6.07	2003
INSTANTANEOUS LOW FLOW			0.14	Sep 6	0.07	1995
ANNUAL RUNOFF (CFSM)	2.89		1.99		1.93	
ANNUAL RUNOFF (INCHES)	39.27		27.04		26.23	
10 PERCENT EXCEEDS	64		48		46	
50 PERCENT EXCEEDS	18		13		9.8	
90 PERCENT EXCEEDS	4.7		2.2		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)
Oct 29	1700	189	2.39	Apr 14	0515	274	2.85
Dec 18	0200	*288	*2.92	Sep 18	1345	189	2.39
Apr 2	0345	165	2.24				

Minimum discharge, 4.1 ft³/s, July 29, gage height, 0.53 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	e45	27	33	e15	34	128	37	29	14	15	16
2	22	e35	25	33	e16	40	112	37	26	28	13	15
3	20	e30	23	35	21	44	59	41	26	18	13	13
4	20	e30	23	39	25	39	51	67	22	16	12	12
5	20	37	23	63	23	35	50	45	22	21	24	12
6	19	50	24	48	31	44	42	40	22	20	15	12
7	18	35	24	38	63	37	39	36	22	16	13	12
8	18	30	24	33	38	33	37	33	21	16	13	14
9	18	28	23	29	28	31	35	36	19	15	12	20
10	17	27	27	26	28	29	33	35	21	14	12	14
11	17	27	68	e26	27	28	32	33	20	14	13	12
12	17	28	76	e26	24	28	32	31	18	14	13	12
13	18	28	39	e26	24	26	88	29	18	18	14	12
14	16	25	33	e25	24	25	183	28	19	15	12	12
15	42	24	50	e26	23	25	74	27	18	14	21	12
16	25	24	39	e27	22	25	58	30	17	14	17	12
17	20	24	89	e25	21	25	51	27	17	13	16	12
18	19	24	163	e24	21	25	47	26	17	13	14	131
19	20	24	62	e23	21	25	43	30	21	15	14	46
20	20	61	50	e23	21	25	41	28	17	14	15	22
21	22	39	41	e22	22	38	38	26	16	13	48	19
22	25	31	40	e21	25	30	38	23	16	12	49	18
23	22	28	40	e20	26	26	53	24	16	13	20	16
24	20	27	50	e19	25	26	47	27	15	28	17	16
25	19	32	64	e18	22	25	39	27	17	16	15	15
26	19	29	45	e17	22	25	63	26	18	14	15	15
27	37	26	40	e16	23	30	78	44	16	15	14	14
28	e89	28	37	e16	28	27	50	39	15	28	14	51
29	e138	37	36	e16	31	25	42	33	15	11	13	77
30	e103	29	36	e14	---	24	39	26	14	11	13	34
31	e57	---	35	e14	---	52	---	24	---	13	15	---
TOTAL	961	942	1,376	821	740	951	1,722	1,015	570	496	524	698
MEAN	31.0	31.4	44.4	26.5	25.5	30.7	57.4	32.7	19.0	16.0	16.9	23.3
MAX	138	61	163	63	63	52	183	67	29	28	49	131
MIN	16	24	23	14	15	24	32	23	14	11	12	12
CFSM	2.00	2.03	2.86	1.71	1.65	1.98	3.70	2.11	1.23	1.03	1.09	1.50
IN.	2.31	2.26	3.30	1.97	1.78	2.28	4.13	2.44	1.37	1.19	1.26	1.68

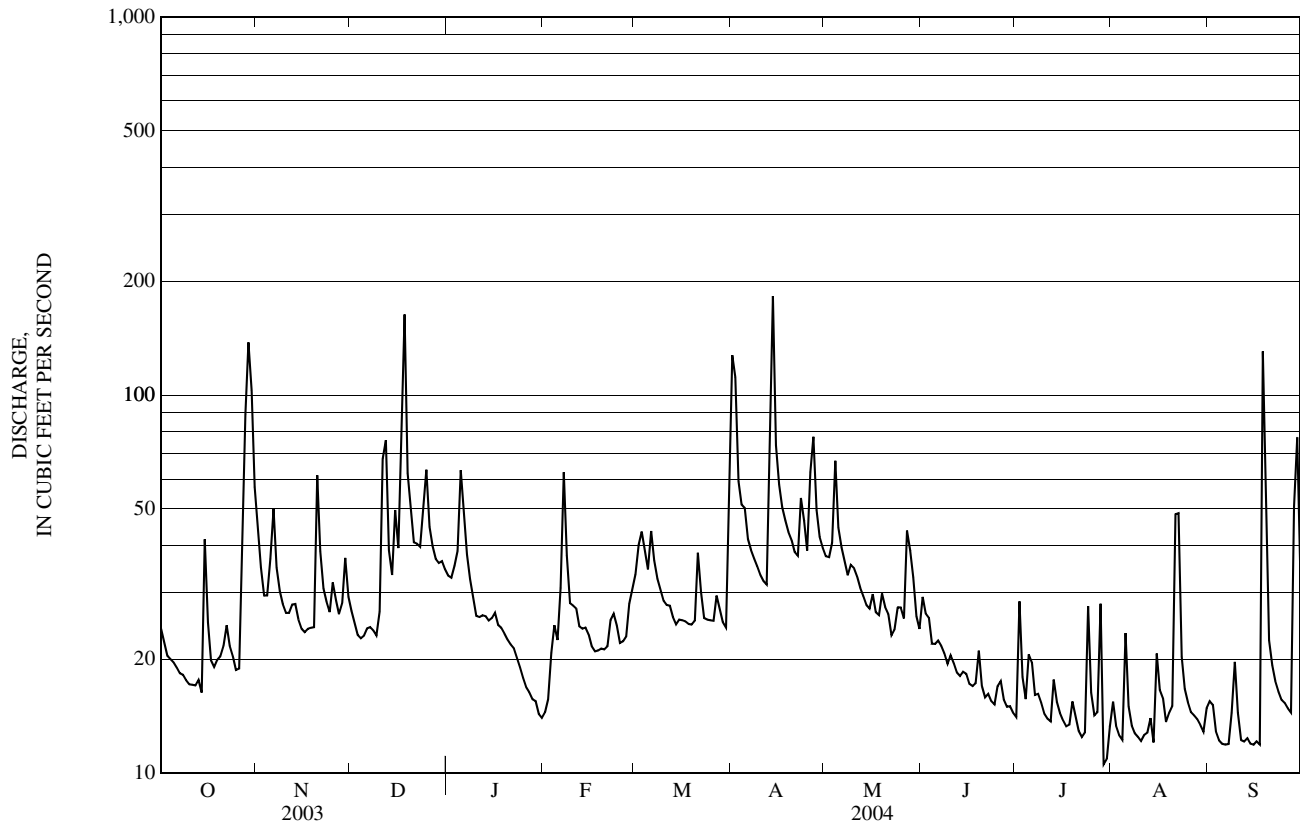
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	16.2	20.3	24.9	27.1	29.3	41.0	37.5	29.5	24.6	16.3	14.8	15.1
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	11,572		10,816		24.6	
ANNUAL MEAN	31.7		29.6		34.9	
HIGHEST ANNUAL MEAN					11.6	
LOWEST ANNUAL MEAN					11.6	
HIGHEST DAILY MEAN	163	Dec 18	183	Apr 14	487	Mar 3, 1972
LOWEST DAILY MEAN	12	Feb 13	11	Jul 29	1.7	Jul 17, 1965
ANNUAL SEVEN-DAY MINIMUM	12	Aug 25	12	Sep 11	2.9	Jul 12, 1965
MAXIMUM PEAK FLOW			288	Dec 18	1,140	Sep 27, 1975
MAXIMUM PEAK STAGE			2.92	Dec 18	6.56	Sep 27, 1975
INSTANTANEOUS LOW FLOW			4.1	Jul 29	1.3	Jan 1, 1965
ANNUAL RUNOFF (CFSM)	2.05		1.91		1.59	
ANNUAL RUNOFF (INCHES)	27.77		25.96		21.58	
10 PERCENT EXCEEDS	54		49		43	
50 PERCENT EXCEEDS	26		25		18	
90 PERCENT EXCEEDS	15		14		9.7	



01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 06...	0845	20	4.9	11.2	99	7.8	347	11.0	10.0	120	37.2	7.61	3.91
DEC 08...	1015	24	2.7	14.2	101	7.7	318	.0	1.5	120	36.7	7.26	2.68
FEB 18...	0910	21	2.4	14.4	103	7.8	350	-1.0	2.0	130	39.0	7.40	3.33
APR 15...	0830	73	18	11.6	98	7.4	173	6.5	8.5	54	15.4	3.67	3.14
JUN 15...	0745	19	2.5	9.1	96	8.0	336	25.0	17.0	130	39.2	7.09	2.85
JUL 26...	0930	15	1.9	8.2	91	7.9	317	20.5	20.5	120	38.0	6.72	3.61
AUG 23...	0900	21	12	91.0	96	7.6	238	22.5	18.0	77	22.9	4.86	6.51
SEP 22...	0915	18	3.0	9.8	98	7.7	328	20.5	15.5	110	33.8	7.20	4.24

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 06...	15.6	69	84	.0	29.3	<.2	14.9	29.7	223	206	.40	.47	.11
DEC 08...	14.0	58	71	.0	28.4	<.2	15.2	26.0	193	174	.28	.35	.07
FEB 18...	17.5	64	78	.0	31.5	<.2	13.5	29.8	210	201	.48	.54	.22
APR 15...	11.7	28	34	.0	18.2c	<.2	9.44	13.2c	136	119	.51	.73	.14
JUN 15...	15.7	74	90	.0	29.3	<.2	14.2	29.5	228	222	.29	.35	E.03n
JUL 26...	14.1	72	88	.0	25.9	<.2	13.6	29.6	212	202	.47	.50	.09
AUG 23...	10.4	52	63	.0	19.2	<.2	11.2	19.4	148	158	1.1	1.4	.25
SEP 22...	14.9	67	84	.0	27.1	<.2	14.8	29.8	216	201	.40	.53	.11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 06...	5.32d	.077	.37	.06	.069	.101	5.8	4.6	380	640k	9	<.20	104
DEC 08...	5.24d	.019	.28	.02	.033	.051	5.6	2.1	140	220	7	<.20	94
FEB 18...	5.47d	.031	.32	E.02n	.029	.050	6.0	2.2	160	270	9	<.20	109
APR 15...	2.37	.021	.59	.12	.149	.21oc	3.1	7.4	1,500	4,100	30	<.20	53
JUN 15...	4.88	.042	--	.03	.042	.065	5.2	2.4	100	160	22	<.20	89
JUL 26...	3.66	.048	.40	.05	.074	.090	4.2	4.9	680	740	15	<.20	95
AUG 23...	2.09	.057	1.1	.47	.49oc	E.63oc	3.5	14.2	26,000	55,000	21	<.20	77
SEP 22...	4.61	.044	.42	.10	.127	.146	5.1	4.4	900	1,600	18	<.20	99

01184490 BROAD BROOK AT BROAD BROOK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 06...	<.06	<.04	<.8	.151	2.6	36	E.04n	182	E.4n	.76	<.2	<.6	.27
DEC 08...	<.06	<.04	E.4n	.180	1.0	25	<.08	115	<.4	.64	<.2	.6	.25
FEB 18...	<.06	<.04	<.8	.183	1.6	32	E.04n	250	E.3n	.77	<.2	1.1	.32
APR 15...	<.06	<.04	<.8	.143	3.7	67	E.07n	137	E.2n	.50	<.2	1.1	.09
JUN 15...	<.06	<.04	<.8	.173	1.0	42	E.05n	77.4	E.3n	.47	<.2	E.3n	.37
JUL 26...	<.06	<.04	E.7n	.185	1.6	38	E.04n	74.1	.4	.86	<.2	<.6	.27
AUG 23...	<.06	<.04	<.8	.198	5.4	107	E.07n	134	.8	.93	<.2	1.0	.14
SEP 22...	<.06	<.04	<.8	.196	2.6	56	E.05n	148	.4	.15	<.2	E.4n	.32

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

o -- Result determined by alternate method

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. Peak flows are affected flood-control regulation from Colebrook River Lake since 1969. The natural flow regime can be altered by regulation at Otis Reservoir, Colebrook River Lake, and West Branch Reservoir.

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, 873 ft³/s, Dec. 24, gage height, 5.54 ft; minimum discharge, 52 ft³/s, Sept. 14, 15, gage height, 3.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

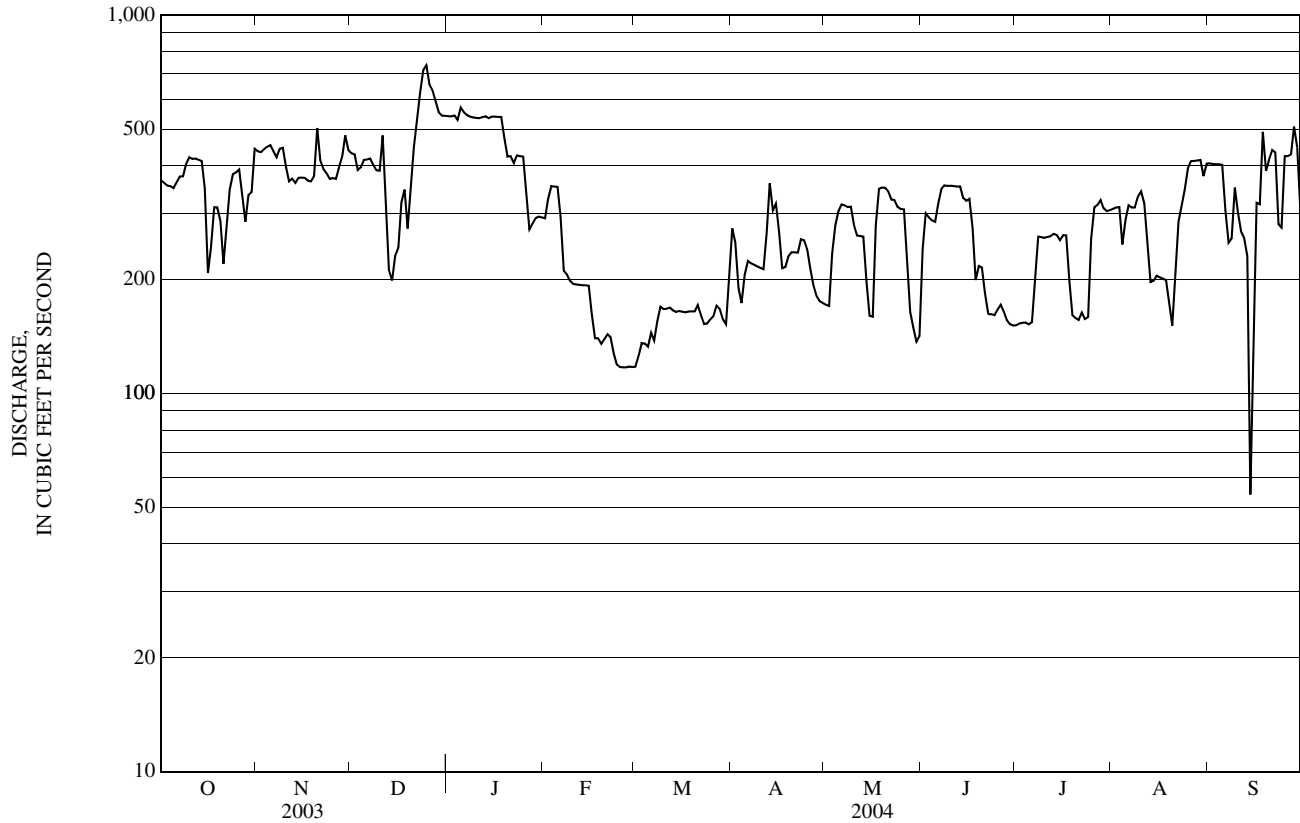
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	366	437	432	541	291	118	273	172	242	152	308	406
2	360	435	429	540	327	126	251	170	300	153	310	405
3	355	443	390	543	353	136	190	234	292	154	311	404
4	353	449	396	530	353	136	173	278	287	154	248	404
5	349	454	415	570	352	133	206	303	284	152	288	403
6	362	437	416	555	292	145	224	316	317	155	315	305
7	375	421	418	545	211	138	221	315	348	204	310	251
8	375	444	402	540	207	156	219	311	355	260	311	257
9	404	446	389	537	199	170	217	312	354	259	332	350
10	421	397	388	536	195	167	215	279	355	258	343	302
11	418	364	481	535	194	168	213	262	354	259	319	269
12	418	370	340	538	194	169	266	261	353	261	249	258
13	415	361	212	541	193	166	360	260	353	264	197	231
14	412	372	199	535	193	164	305	197	329	262	199	54
15	349	372	231	540	193	165	318	161	323	255	205	151
16	208	372	243	540	162	165	266	160	327	262	203	319
17	244	366	320	539	140	164	214	279	274	262	201	317
18	311	364	346	539	140	165	216	348	200	198	200	492
19	311	376	273	472	135	165	231	351	217	161	173	388
20	286	504	354	424	139	165	236	350	215	158	151	415
21	220	414	448	424	143	171	236	343	183	157	204	440
22	277	392	536	407	141	161	236	326	162	164	285	434
23	347	382	624	426	128	153	256	325	162	157	316	280
24	380	370	717	424	119	153	254	311	161	159	346	275
25	384	371	738	423	118	157	241	308	167	257	394	425
26	391	369	654	344	117	160	213	307	172	311	412	424
27	335	396	633	272	117	171	194	230	165	315	412	429
28	285	423	591	282	118	167	181	164	156	325	413	508
29	335	481	554	291	117	157	176	150	152	309	414	447
30	341	440	543	294	---	152	173	137	151	304	376	308
31	444	---	543	292	---	204	---	142	---	305	406	---
TOTAL	10,831	12,222	13,655	14,519	5,581	4,887	6,974	8,062	7,710	7,006	9,151	10,351
MEAN	349	407	440	468	192	158	232	260	257	226	295	345
MAX	444	504	738	570	353	204	360	351	355	325	414	508
MIN	208	361	199	272	117	118	173	137	151	152	151	54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	190	254	254	220	210	263	437	294	279	220	232	172
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)

01186000 WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	109,592		110,949		252	
ANNUAL MEAN	300		303		384	
HIGHEST ANNUAL MEAN					102	
LOWEST ANNUAL MEAN					7,310	
HIGHEST DAILY MEAN	853	Jun 24	738	Dec 25	10,600	Oct 16, 1955
LOWEST DAILY MEAN	100	Sep 10	54	Sep 14	2.7	Oct 5, 1960
ANNUAL SEVEN-DAY MINIMUM	136	May 25	118	Feb 24	3.8	Oct 1, 1960
MAXIMUM PEAK FLOW			873	Dec 24	10,600	Oct 16, 1955
MAXIMUM PEAK STAGE			5.54	Dec 24	12.47	Oct 16, 1955
INSTANTANEOUS LOW FLOW			52	Sep 14	0.90	Jul 21, 1960
10 PERCENT EXCEEDS	440		448		452	
50 PERCENT EXCEEDS	299		302		202	
90 PERCENT EXCEEDS	156		155		70	



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 fair. Peak flows are affected by flood-control regulation at Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir since 1962. The natural flow regime can be altered by regulation from Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,830 ft³/s, Oct. 29, gage height, 6.66 ft; minimum discharge, 20 ft³/s, July 27, gage height, 1.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	593	e340	267	e70	e70	1,060	166	185	30	48	42
2	280	376	283	255	e70	129	1,140	157	273	43	48	34
3	240	332	213	270	e70	228	573	162	243	40	36	28
4	194	297	201	323	e111	232	375	254	179	32	29	27
5	183	317	192	465	e80	218	301	210	130	32	95	27
6	165	429	193	e350	e147	329	229	181	105	57	83	25
7	155	349	201	e210	e531	312	201	159	93	44	57	23
8	129	289	195	e190	e324	225	181	130	83	61	38	40
9	113	246	191	e170	e170	177	162	122	73	56	29	577
10	107	232	177	e155	e142	148	150	125	79	41	25	512
11	105	225	775	e157	e125	142	136	145	73	35	29	261
12	121	226	994	e162	e117	152	123	129	64	30	68	157
13	161	222	518	e155	e105	132	360	107	57	47	164	105
14	136	201	329	e149	e102	119	798	95	56	47	202	78
15	744	178	349	e140	e95	e119	510	83	52	41	184	62
16	477	174	297	e132	e89	e115	328	76	45	39	189	54
17	302	182	695	e125	e84	110	245	70	38	29	229	49
18	243	187	1,170	e120	e78	106	204	65	34	28	132	1,340
19	241	207	729	e112	e73	104	175	130	94	38	90	1,080
20	270	775	427	e105	e69	99	151	99	67	35	73	489
21	258	777	332	e98	e67	140	135	87	52	31	534	231
22	275	e472	297	e92	e64	145	120	79	41	30	573	166
23	243	e334	286	e90	e62	116	233	79	39	29	270	126
24	216	e283	784	e86	e60	111	267	116	33	40	160	105
25	196	e268	1,290	e82	e58	133	199	227	48	33	106	90
26	187	e263	776	e80	e57	161	296	167	77	26	77	80
27	437	e257	474	e78	e57	243	405	398	60	24	61	70
28	865	e261	362	e76	e57	232	287	390	43	107	53	455
29	1,710	e386	319	e74	e60	183	213	328	38	91	47	932
30	1,380	e438	310	e71	---	148	183	202	33	64	46	501
31	932	---	299	e70	---	445	---	148	---	48	54	---
TOTAL	11,440	9,776	13,998	4,909	3,194	5,323	9,740	4,886	2,487	1,328	3,829	7,766
MEAN	369	326	452	158	110	172	325	158	82.9	42.8	124	259
MAX	1,710	777	1,290	465	531	445	1,140	398	273	107	573	1,340
MIN	105	174	177	70	57	70	120	65	33	24	25	23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

	MEAN	126	169	190	189	194	302	361	201	131	59.5	80.7	81.7
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)	

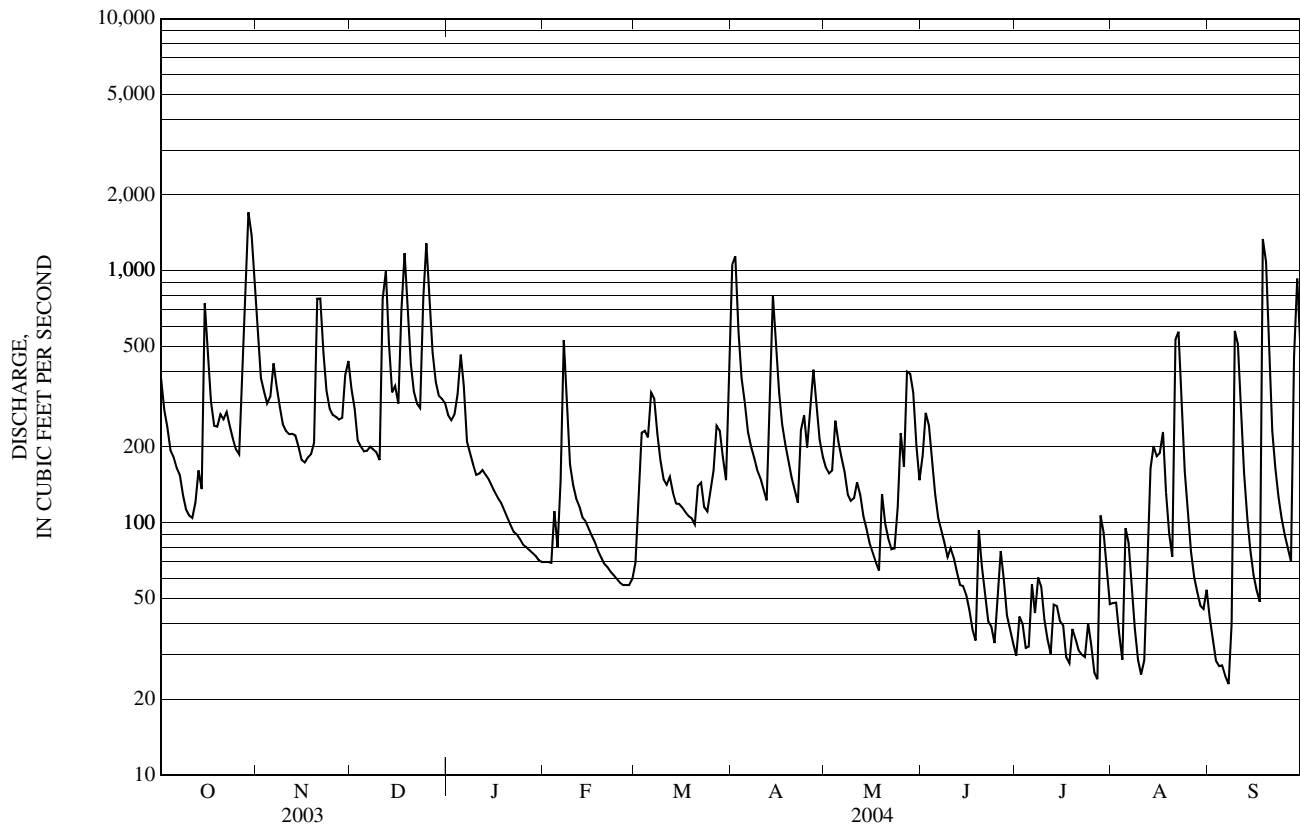
e Estimated

01186500 STILL RIVER AT ROBERTSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL TOTAL	90,534		78,676		173	
ANNUAL MEAN	248		215		269	
HIGHEST ANNUAL MEAN					62.0	
LOWEST ANNUAL MEAN					24,800	
HIGHEST DAILY MEAN	1,710	Oct 29	1,710	Oct 29	24,800	Aug 19, 1955
LOWEST DAILY MEAN	24	Aug 31	23	Sep 7	0.30	Sep 14, 1957
ANNUAL SEVEN-DAY MINIMUM	28	Aug 26	29	Sep 2	2.1	Sep 10, 1995
MAXIMUM PEAK FLOW			2,830	Oct 29	a 44,000	Aug 19, 1955
MAXIMUM PEAK STAGE			6.66	Oct 29	b 16.48	Aug 19, 1955
INSTANTANEOUS LOW FLOW			20	Jul 27	0.20	Sep 14, 1957
10 PERCENT EXCEEDS	547		458		372	
50 PERCENT EXCEEDS	170		148		101	
90 PERCENT EXCEEDS	53		40		23	

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)
Oct 29	1147	1,130	6.02	Dec 24	2100	819	5.31
Nov 20	0717	530	4.53	Apr 1	2204	688	4.97
Dec 11	1900	537	4.55	Sep 18	1130	*1,140	*6.04
Dec 17	2145	752	5.14	Sep 29	0615	517	4.49

Minimum discharge, 2.5 ft³/s, July 4, gage height, 0.27 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	82	72	58	e17	e38	400	29	39	3.8	7.5	7.0
2	57	66	58	52	e17	e53	302	27	56	3.5	6.4	5.8
3	39	58	38	58	e21	e70	124	31	43	3.3	5.0	5.2
4	33	52	47	79	e24	e88	92	62	30	2.8	5.0	4.7
5	32	66	39	112	e15	e108	77	45	23	3.8	26	4.3
6	27	88	38	79	e25	113	59	37	19	11	17	4.0
7	24	66	41	57	e55	84	48	30	17	6.4	9.8	3.9
8	21	52	40	e35	e30	55	42	24	14	5.6	7.0	9.7
9	19	44	36	e32	e28	41	36	25	12	5.4	5.7	195
10	18	39	34	e31	e27	33	31	27	12	4.1	4.7	128
11	17	38	249	e30	e23	33	28	25	10	3.5	5.9	54
12	16	40	219	e32	e21	37	26	19	8.3	3.1	9.7	31
13	19	44	98	e31	e21	30	133	16	6.9	5.8	14	21
14	17	41	66	e30	e20	26	284	14	7.1	6.8	14	15
15	185	35	70	e29	e20	25	168	13	6.3	6.0	16	13
16	91	33	58	e29	e19	25	91	12	5.2	4.9	18	11
17	57	32	242	e28	e18	23	65	9.9	5.5	4.1	21	11
18	42	32	327	e27	e18	22	51	13	5.1	3.8	15	524
19	41	49	130	e26	e18	20	42	37	7.4	8.8	12	168
20	43	348	86	e25	e18	21	35	21	5.1	9.1	10	76
21	38	130	67	e23	e19	31	29	18	4.0	6.8	141	49
22	35	83	59	e22	e20	30	26	15	3.8	5.2	110	32
23	32	65	59	e22	e21	28	60	18	3.7	5.1	48	23
24	28	55	301	e21	e22	25	63	20	3.1	7.6	27	19
25	25	63	384	e21	e21	37	45	94	10	5.7	18	16
26	25	54	144	e20	e20	54	63	52	12	4.3	14	14
27	117	47	97	e20	e19	91	84	131	7.0	4.6	11	12
28	210	60	78	e19	e19	78	57	107	5.2	18	9.4	123
29	557	200	68	e18	e20	57	42	82	4.8	14	8.0	311
30	212	98	69	e18	---	46	34	51	4.3	9.0	7.1	121
31	110	---	66	e17	---	182	---	34	---	6.8	9.2	---
TOTAL	2,263	2,160	3,380	1,101	636	1,604	2,637	1,138.9	389.8	192.7	632.4	2,011.6
MEAN	73.0	72.0	109	35.5	21.9	51.7	87.9	36.7	13.0	6.22	20.4	67.1
MAX	557	348	384	112	55	182	400	131	56	18	141	524
MIN	16	32	34	17	15	20	26	9.9	3.1	2.8	4.7	3.9
CFSM	3.67	3.62	5.48	1.78	1.10	2.60	4.42	1.85	0.65	0.31	1.03	3.37
IN.	4.23	4.04	6.32	2.06	1.19	3.00	4.93	2.13	0.73	0.36	1.18	3.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	21.7	41.5	46.4	39.6	40.0	81.5	93.9	49.5	29.7	12.2	13.6	15.0
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

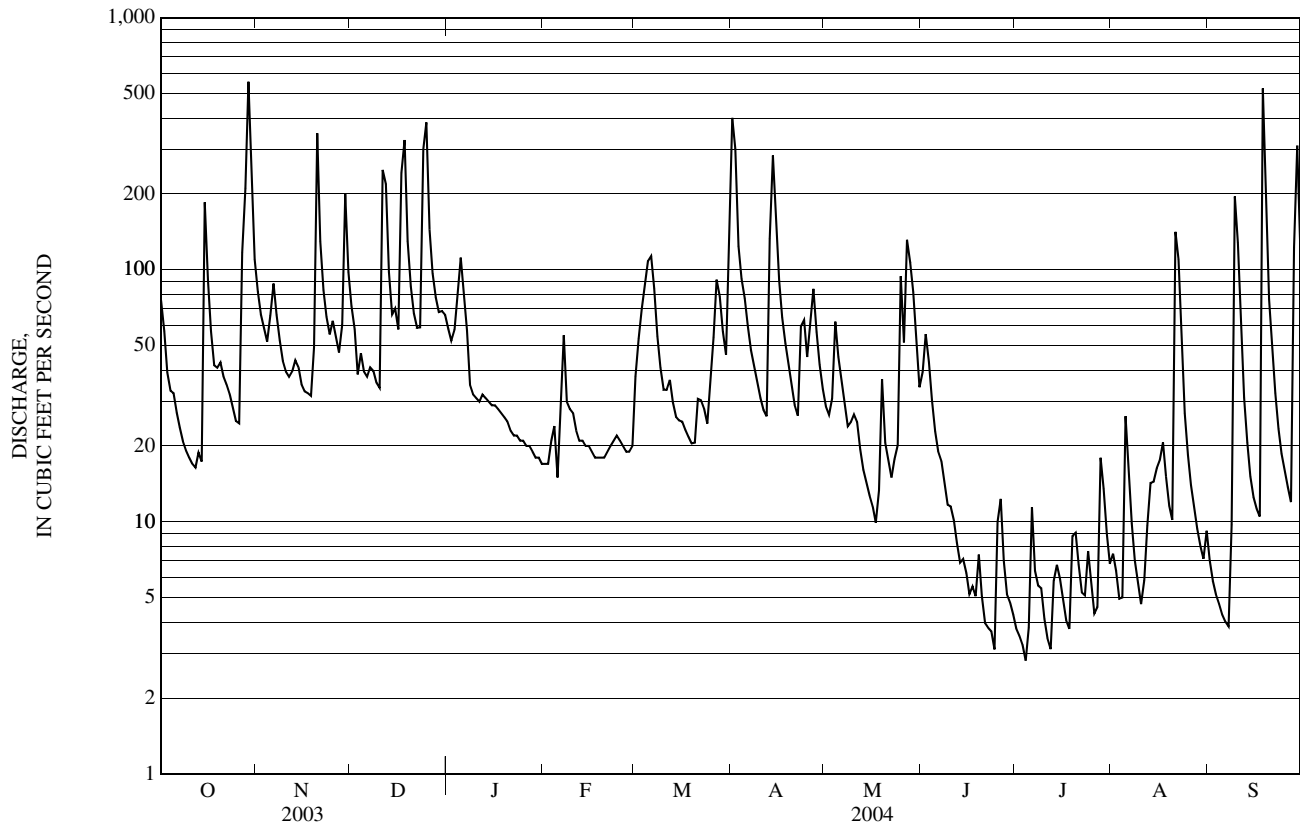
01187300 HUBBARD RIVER NEAR WEST HARTLAND, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	21,349.3		18,146.4		40.3	
ANNUAL MEAN	58.5		49.6		64.3	
HIGHEST ANNUAL MEAN					16.2	
LOWEST ANNUAL MEAN					5,000	
HIGHEST DAILY MEAN	557	Oct 29	557	Oct 29		Aug 19, 1955
LOWEST DAILY MEAN	2.0	Sep 1	2.8	Jul 4	0.19	Sep 12, 1995
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 26	3.8	Jun 29	0.21	Aug 15, 1957
MAXIMUM PEAK FLOW			1,140	Sep 18	a 10,500	Aug 19, 1955
MAXIMUM PEAK STAGE			6.04	Sep 18	b 16.50	Aug 19, 1955
INSTANTANEOUS LOW FLOW			2.5	Jul 4	c 0.30	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	2.94		2.49		2.03	
ANNUAL RUNOFF (INCHES)	39.91		33.92		27.54	
10 PERCENT EXCEEDS	130		109		93	
50 PERCENT EXCEEDS	34		28		20	
90 PERCENT EXCEEDS	6.7		5.7		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.

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)
Oct 27	2215	163	5.41	Apr 13	2145	246	6.02
Oct 29	1330	272	6.18	Aug 21	1645	172	5.48
Dec 11	1600	*369	*6.67	Sep 18	1345	203	5.72
Dec 17	2145	189	5.62				

Minimum discharge, 0.83 ft³/s, Sept. 5, gage height, 1.87 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	15	12	10	e4.0	7.4	73	8.8	12	2.0	2.9	1.4
2	9.3	13	11	9.9	e3.9	15	40	8.7	17	2.8	3.0	1.3
3	8.0	12	9.3	11	e3.8	19	18	11	14	3.0	2.4	1.2
4	7.7	11	8.4	13	e3.8	17	14	23	8.9	2.1	1.8	1.2
5	8.2	16	8.5	25	e3.8	14	13	12	6.7	2.7	3.5	1.0
6	7.0	22	8.8	16	e7.1	19	11	10	6.0	4.5	2.7	1.0
7	6.4	15	9.2	e12	15	15	9.8	8.6	6.1	2.9	2.0	1.0
8	6.0	11	8.6	e9.9	10	11	9.1	7.6	5.2	2.4	1.8	4.1
9	5.7	9.9	8.4	8.8	7.3	8.7	8.5	7.4	4.4	2.1	1.5	22
10	5.4	9.3	8.3	e8.1	6.7	8.0	7.8	7.5	4.3	1.8	1.3	7.2
11	5.5	9.1	86	e7.7	6.4	8.2	7.3	8.4	4.1	1.7	1.8	3.9
12	5.7	9.1	35	e7.3	5.9	8.6	7.2	7.0	3.6	1.6	3.4	3.4
13	7.4	11	16	e7.0	5.7	7.4	74	6.4	3.4	4.4	2.7	3.2
14	5.7	9.5	12	e6.7	5.5	6.5	75	5.7	3.7	3.4	2.1	1.8
15	35	8.3	16	e6.3	5.4	6.4	26	5.6	3.9	3.1	4.7	1.9
16	13	7.9	13	e6.1	4.9	6.5	16	6.3	3.3	2.6	4.3	1.9
17	8.8	8.0	59	e5.9	4.7	6.6	13	5.7	3.0	2.0	4.4	1.9
18	8.6	8.3	52	e5.6	4.7	6.3	12	5.0	3.4	2.8	3.1	57
19	8.4	11	19	e5.4	4.8	6.1	11	6.7	3.8	7.5	2.6	14
20	8.7	76	15	e5.2	4.7	6.3	9.8	5.6	3.0	4.1	2.7	6.5
21	7.7	21	13	e5.1	4.6	11	9.0	5.9	2.6	2.8	45	4.9
22	7.2	14	11	e5.0	4.7	11	8.8	5.5	2.6	2.0	16	3.7
23	6.8	12	12	e4.8	4.8	7.3	17	6.4	3.0	2.3	6.0	3.0
24	6.3	11	38	e4.7	4.6	7.6	14	14	2.2	7.1	4.1	2.8
25	5.7	13	42	e4.6	4.6	9.9	10	10	2.2	4.7	3.1	2.7
26	5.8	11	19	e4.6	4.5	9.2	22	7.0	2.7	2.8	2.6	2.5
27	43	9.6	14	e4.5	4.5	9.7	24	29	2.5	2.5	2.4	2.3
28	50	13	12	e4.3	4.8	8.5	13	23	2.3	7.3	2.4	21
29	98	44	12	e4.3	5.4	7.0	11	14	2.3	4.4	1.9	46
30	30	17	12	e4.2	---	6.8	9.4	8.2	2.3	3.1	1.7	12
31	18	---	11	e4.1	---	38	---	6.6	---	2.7	1.5	---
TOTAL	459.0	458.0	611.5	237.1	160.6	329.0	593.7	296.6	144.5	101.2	141.4	237.8
MEAN	14.8	15.3	19.7	7.65	5.54	10.6	19.8	9.57	4.82	3.26	4.56	7.93
MAX	98	76	86	25	15	38	75	29	17	7.5	45	57
MIN	5.4	7.9	8.3	4.1	3.8	6.1	7.2	5.0	2.2	1.6	1.3	1.0
CFSM	3.61	3.72	4.81	1.87	1.35	2.59	4.83	2.33	1.17	0.80	1.11	1.93
IN.	4.16	4.16	5.55	2.15	1.46	2.99	5.39	2.69	1.31	0.92	1.28	2.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

	MEAN	5.41	8.23	9.04	9.14	8.97	16.2	15.1	10.3	6.68	3.76	3.87	4.26
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)	

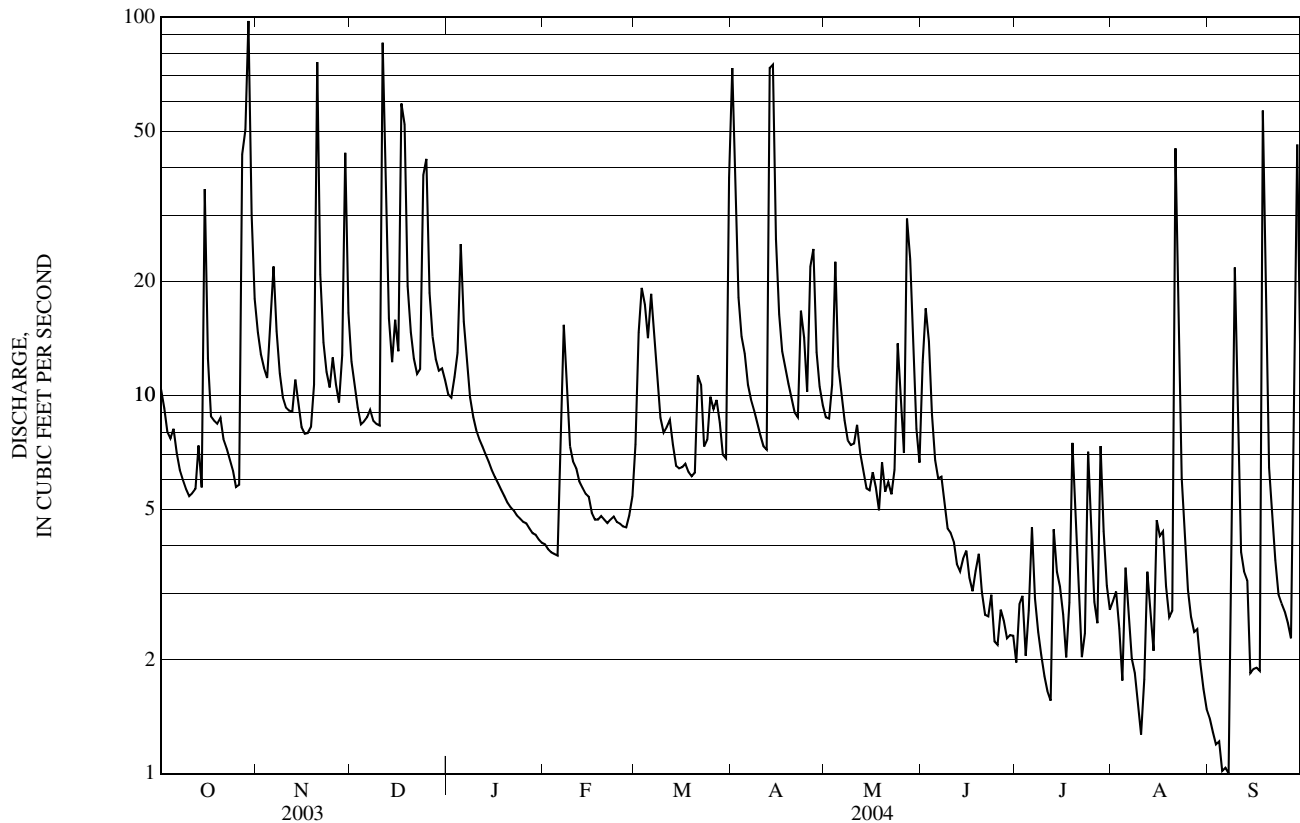
e Estimated

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL TOTAL	4,560.3		3,770.4		8.40	
ANNUAL MEAN	12.5		10.3		13.2	
HIGHEST ANNUAL MEAN					3.51	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	118	Mar 21	98	Oct 29	673	Aug 19, 1955
LOWEST DAILY MEAN	1.8	Aug 29	1.0	Sep 5	0.16	Sep 2, 1995
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 26	1.2	Sep 1	0.24	Sep 2, 1995
MAXIMUM PEAK FLOW			369	Dec 11	a 1,690	Aug 19, 1955
MAXIMUM PEAK STAGE			6.67	Dec 11	b 9.22	Aug 19, 1955
INSTANTANEOUS LOW FLOW			0.83	Sep 5	0.08	Sep 4, 1995
ANNUAL RUNOFF (CFSM)	3.05		2.51		2.05	
ANNUAL RUNOFF (INCHES)	41.38		34.21		27.84	
10 PERCENT EXCEEDS	27		18		17	
50 PERCENT EXCEEDS	8.3		7.0		5.0	
90 PERCENT EXCEEDS	3.0		2.4		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 2003 TO SEPTEMBER 2004

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, 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 07...	0845	6.3	2.3	11.7	100	6.8	90	7.5	7.5	18	4.27	1.83	1.13
JAN 22...	0930	5.8	1.5	14.0	99	6.9	96	-4.0	.0	18	4.36	1.83	1.00
APR 12...	0915	7.0	1.2	12.3	102	6.9	86	7.5	6.5	16	3.82c	1.66c	1.07c
JUL 07...	0830	3.0	5.8	9.1	99	7.2	96	21.0	18.0	19	4.69	1.68	1.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 07...	9.28	11	13	.0	13.3	<.2	9.50	5.5	58	54	.23	.25	.07
JAN 22...	9.38	12	14	.0	13.9	<.2	10.7	6.5	61	60	.20	.21	.12
APR 12...	9.24c	9	11	.0	14.5c	<.2	7.20c	5.5c	61	57	.15	.18	.05
JUL 07...	10.1	14	18	.0	14.8	<.2	10.1	5.2	61	62	.30	.31	.08

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 07...	.15	<.008	.19	<.02	E.004n	.009	.41	3.5	15	10	25	<.20	8
JAN 22...	.38	<.008	.09	<.02	<.004	.008	.59	1.6	<1k	<1k	16	<.20	9
APR 12...	.24	<.008	.12	<.02	E.003n	.005	.41	2.2	<1k	2k	18	<.20	8
JUL 07...	.19	<.008	.23	<.02	E.002n	.017	.50	3.8	49	54	13	<.20	8

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 07...	<.06	<.04	<.8	.210	.4	319	.10	113	<.4	.48	<.2	1.4	<.04
JAN 22...	<.06	E.02n	<.8	.324	E.2n	167	E.04n	167	<.4	.50	<.2	3.9	<.04
APR 12...	<.06	<.04	<.8	.196	E.4n	100c	E.04n	90.1	<.4	.43	<.2	2.3	<.04
JUL 07...	<.06	<.04	<.8	.213	E.3n	289	E.08n	174	E.3n	.39	<.2	.8	<.04

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 fair. Peak flows are affected by flood-control regulation at Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir. The natural flow regime can be altered by regulation from water-supply reservoirs (Barkhamsted, Lake McDonough, East Branch, Nepaug, and West Branch), flood-control reservoirs (Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir), and by Otis Reservoir.

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, 6,440 ft³/s, Oct. 29, gage height, 10.69 ft; minimum discharge, 210 ft³/s, June 29, 30, gage height, 4.83 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

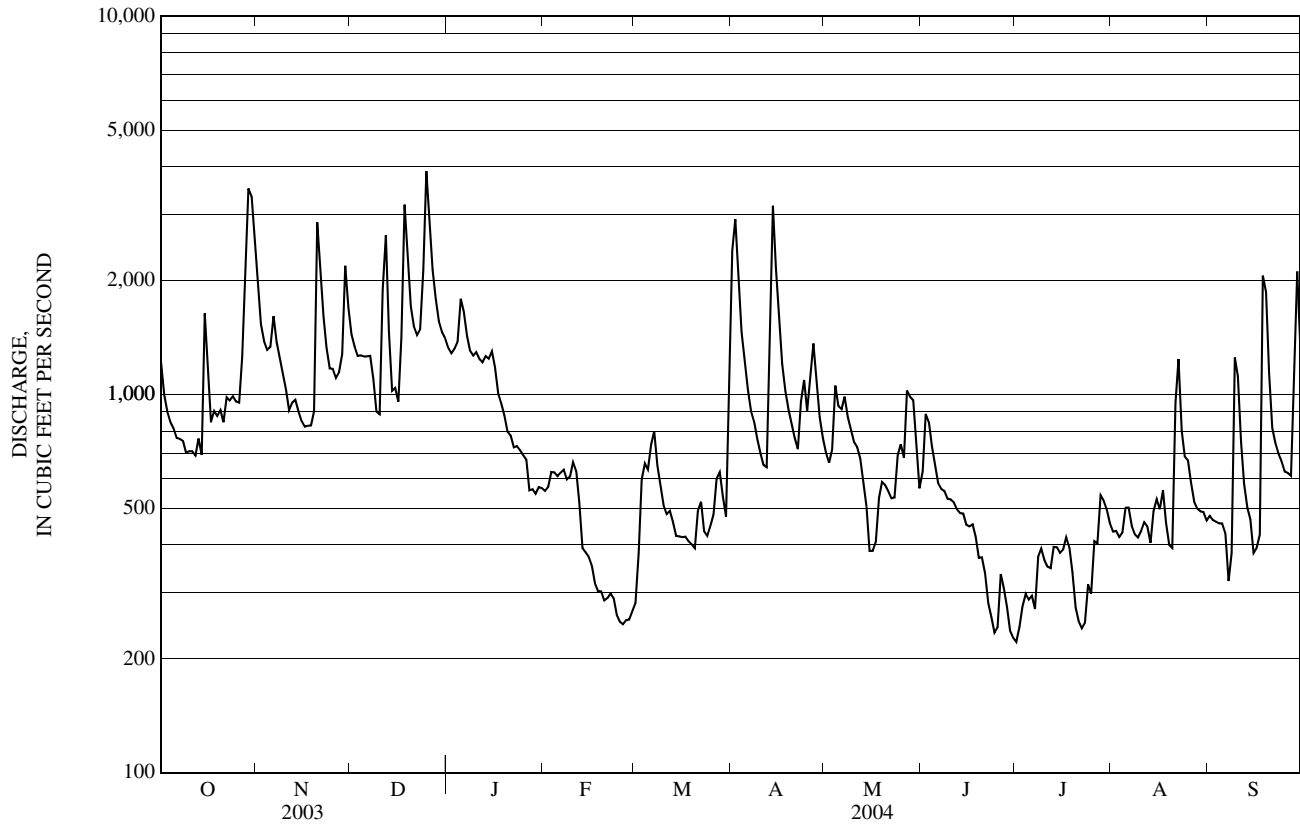
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,220	1,940	1,440	1,330	556	281	2,410	704	626	222	434	478
2	997	1,540	1,340	1,290	569	381	2,910	660	889	243	436	466
3	901	1,380	1,260	1,320	624	597	2,060	715	845	275	420	461
4	844	1,310	1,270	1,380	623	657	1,460	1,060	729	297	431	456
5	814	1,340	1,260	1,790	608	633	1,240	933	645	287	502	456
6	767	1,610	1,260	1,660	621	738	1,030	915	582	293	502	429
7	763	1,380	1,270	1,430	633	800	905	987	562	271	449	321
8	753	1,260	1,100	1,310	596	648	846	872	556	373	427	381
9	702	1,140	902	1,270	607	575	764	810	530	391	419	1,250
10	708	1,030	886	1,290	663	509	699	749	528	365	435	1,120
11	708	909	1,890	1,240	627	483	651	727	519	351	459	748
12	690	952	2,640	1,220	517	492	642	677	498	347	448	580
13	765	968	1,470	1,260	392	461	1,550	582	486	396	406	502
14	693	903	1,020	1,240	383	423	3,160	505	485	395	492	468
15	1,640	852	1,040	1,300	372	421	2,150	386	452	381	529	381
16	1,170	823	958	1,180	353	420	1,630	386	448	389	497	393
17	844	827	1,420	1,010	317	421	1,200	407	453	420	558	426
18	904	828	3,180	949	302	409	1,020	533	421	394	458	2,060
19	878	902	2,330	879	301	402	915	588	370	339	400	1,870
20	909	2,850	1,710	798	285	392	837	576	371	274	393	1,140
21	844	2,230	1,520	779	289	492	769	556	337	252	950	815
22	983	1,610	1,440	725	298	520	717	532	281	241	1,240	746
23	964	1,330	1,490	730	289	435	955	534	258	249	802	698
24	989	1,170	2,140	712	262	423	1,090	691	235	315	686	667
25	958	1,170	3,900	692	251	448	906	739	242	298	670	626
26	952	1,110	2,790	673	247	483	1,100	681	335	410	585	620
27	1,260	1,140	2,140	558	253	598	1,360	1,020	308	404	521	609
28	2,150	1,280	1,790	562	254	622	1,080	986	274	541	500	1,130
29	3,510	2,190	1,560	546	268	538	873	966	238	525	491	2,120
30	3,340	1,690	1,460	569	---	475	769	734	227	496	489	1,340
31	2,530	---	1,410	565	---	1,020	---	565	---	457	465	---
TOTAL	36,150	39,664	51,286	32,257	12,360	16,197	37,698	21,776	13,730	10,891	16,494	23,757
MEAN	1,166	1,322	1,654	1,041	426	522	1,257	702	458	351	532	792
MAX	3,510	2,850	3,900	1,790	663	1,020	3,160	1,060	889	541	1,240	2,120
MIN	690	823	886	546	247	281	642	386	227	222	393	321

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

	MEAN	484	605	649	664	623	969	1,249	798	707	366	424	414
MAX	1,211	1,322	2,031	1,661	1,162	1,907	2,902	1,902	2,149	717	763	792	
(WY)	(1997)	(2004)	(1997)	(1978)	(1996)	(1983)	(1983)	(1983)	(1982)	(2000)	(1990)	(2004)	
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)	

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	332,798		312,260		662	
ANNUAL MEAN	912		853		954	
HIGHEST ANNUAL MEAN					287	
LOWEST ANNUAL MEAN					13,600	
HIGHEST DAILY MEAN	3,900	Dec 25	3,900	Dec 25	64	Mar 22, 1980
LOWEST DAILY MEAN	178	Sep 11	222	Jul 1	67	Sep 26, 2002
ANNUAL SEVEN-DAY MINIMUM	271	Feb 16	254	Jun 28	20,300	Sep 20, 2002
MAXIMUM PEAK FLOW			6,440	Oct 29	16.57	Mar 23, 1980
MAXIMUM PEAK STAGE			10.69	Oct 29	61	Sep 26, 2002
INSTANTANEOUS LOW FLOW			210	Jun 29	1,300	
10 PERCENT EXCEEDS	1,690		1,530		470	
50 PERCENT EXCEEDS	745		684		213	
90 PERCENT EXCEEDS	342		331			



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 2003 TO SEPTEMBER 2004

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, 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 07...	1130	753	2.3	10.7	100	7.2	100	17.0	12.5	22	5.79	1.80	.96
JAN 22...	1230	760	1.5	14.9	103	6.8	101	1.0	.0	21	5.39	1.77	.90
APR 12...	1230	610	1.4	13.4	113	7.2	92	15.0	8.0	19	5.02c	1.67c	.93c
JUL 07...	1100	270	1.4	10.2	112	8.0	108	28.0	19.5	21	5.76	1.71	.92

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO ₃ (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)
OCT 07...	9.74	14	16	.0	15.6	<.2	5.45	5.4	63	60	.19	.26	<.04
JAN 22...	9.92	11	13	.0	16.1	<.2	6.46	5.8	62	58	.17	.21	<.04
APR 12...	9.63c	10	12	.0	16.3c	<.2	5.91c	5.4c	63	67	.13	.16	<.04
JUL 07...	11.0	16	19	.0	18.8	<.2	4.70	5.9	70	66	.14	.24	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 07...	.15	<.008	<.02	.008	.018	.42	5.5	18	17k	19	<.20	14	<.06
JAN 22...	.23	.013	<.02	.007	.017	.44	4.0	22	--p	28	<.20	14	<.06
APR 12...	.16	.011	<.02	.005	.011	.32	2.8	<1k	8k	26	<.20	13	<.06
JUL 07...	.25	<.008	<.02	.008	.018	.49	3.4	24	43	18	<.20	13	<.06

01188090 FARMINGTON RIVER AT UNIONVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 07...	<.04	<.8	.055	.8	120	.09	21.1	E.2n	.42	<.2	.8	E.04n
JAN 22...	<.04	<.8	.067	.7	76	E.05n	17.1	<.4	.41	<.2	1.9	E.02n
APR 12...	<.04	<.8	.055	.5	64c	E.06n	14.9	<.4	.34	<.2	1.4	<.04
JUL 07...	<.04	<.8	.048	.6	99	.14	6.9	.6	.18	<.2	E.6n	E.03n

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:

p -- Sample discarded: improper preservation

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.--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)
Apr 13	1630	*1,330	*4.42	Jul 24	0230	1,110	4.03

Minimum discharge, 24 ft³/s, Sept. 6, gage height, 1.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	160	e107	119	e62	80	576	103	134	31	34	33
2	127	134	e96	117	e61	111	399	103	97	34	33	29
3	107	123	e92	116	e80	131	208	137	73	33	32	29
4	92	114	e90	132	e96	132	181	186	58	30	31	29
5	82	146	90	226	58	118	158	122	52	96	71	27
6	74	170	97	156	126	174	129	109	51	78	35	28
7	68	137	97	126	178	140	122	100	49	41	32	35
8	63	117	90	108	99	118	116	87	43	40	30	e60
9	59	103	84	91	77	100	111	85	47	36	30	e172
10	55	97	84	80	76	90	103	83	54	34	29	e92
11	53	90	347	82	69	91	96	87	47	32	39	e57
12	51	88	317	87	63	90	99	77	42	32	58	e49
13	e55	92	166	90	62	83	583	72	42	62	35	44
14	e53	90	130	92	59	77	689	70	46	39	32	39
15	e104	85	168	92	55	81	311	65	42	38	82	36
16	e82	78	142	e89	51	81	209	87	39	34	55	34
17	e68	75	410	e83	50	83	172	62	40	32	42	34
18	e61	74	445	e80	52	78	157	61	45	43	36	e272
19	e57	84	226	e79	52	79	144	106	41	83	34	e211
20	e54	e195	182	e77	50	77	133	64	37	40	78	68
21	e53	e132	155	e76	52	127	119	66	35	35	274	53
22	e52	e102	143	e73	58	107	116	60	35	34	180	48
23	e51	e88	137	e72	57	86	147	122	37	40	69	46
24	e50	e83	311	e71	53	83	124	119	34	157	53	43
25	e49	e80	321	e70	51	87	103	82	33	48	48	40
26	e48	e78	199	e69	54	84	240	70	35	40	43	38
27	177	e78	163	e68	56	96	223	183	33	61	39	37
28	307	e79	141	e66	63	87	150	158	32	87	37	e83
29	494	e180	132	e66	67	76	120	116	43	49	35	e221
30	322	e135	132	e65	---	72	110	80	32	39	35	100
31	192	---	127	e63	---	336	---	70	---	37	34	---
TOTAL	3,317	3,287	5,421	2,881	1,987	3,255	6,148	2,992	1,428	1,515	1,695	2,087
MEAN	107	110	175	92.9	68.5	105	205	96.5	47.6	48.9	54.7	69.6
MAX	494	195	445	226	178	336	689	186	134	157	274	272
MIN	48	74	84	63	50	72	96	60	32	30	29	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	51.2	69.5	83.3	86.6	91.7	146	143	101	70.9	42.6	43.2	42.0
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

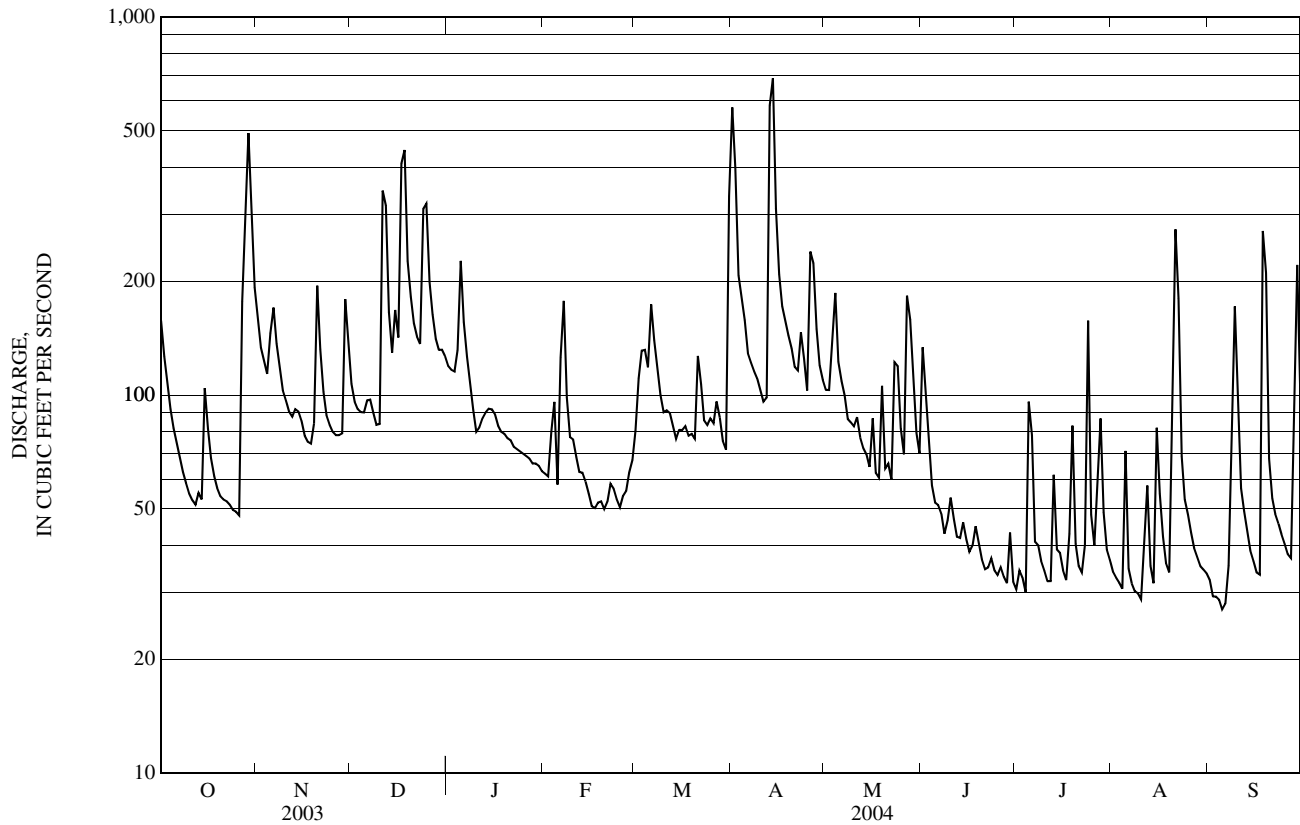
01189000 PEQUABUCK RIVER AT FORESTVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	42,777		36,013		80.8	
ANNUAL MEAN	117		98.4		136	
HIGHEST ANNUAL MEAN					29.9	
LOWEST ANNUAL MEAN					6,500	
HIGHEST DAILY MEAN	664	Mar 21	689	Apr 14	7.0	Oct 26, 1941
LOWEST DAILY MEAN	29	Aug 31	27	Sep 5	9.2	Oct 20, 1941
ANNUAL SEVEN-DAY MINIMUM	31	Aug 25	30	Aug 31	a 11,700	Aug 19, 1955
MAXIMUM PEAK FLOW			1,330	Apr 13	b 13.22	Aug 19, 1955
MAXIMUM PEAK STAGE			4.42	Apr 13	c 6.5	Sep 21, 1941
INSTANTANEOUS LOW FLOW			24	Sep 6		
10 PERCENT EXCEEDS	224		175		161	
50 PERCENT EXCEEDS	90		79		50	
90 PERCENT EXCEEDS	46		35		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 2003 TO SEPTEMBER 2004

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, 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 08...	1200	82	3.1	10.0	93	7.3	252	22.5	12.5	57	16.9	3.51	3.31
DEC 10...	0915	98	4.5	11.4	86	7.2	269	.5	4.0	57	16.9	3.66	3.66
FEB 17...	1030	60	5.3	12.8	86	7.4	330	-2.0	.5	71	21.5	4.20	4.04
APR 27...	1000	314	3.7	8.9	85	7.0	163	18.0	12.5	36	10.8	2.12	1.74
JUN 14...	1415	33	3.9	8.9	95	7.6	296	25.0	18.0	73	22.2	4.23	4.57
JUL 08...	0915	46	4.2	6.8	76	7.4	335	22.5	20.5	67	20.5	3.84	4.86
AUG 03...	0730	36	3.7	6.8	78	7.4	343	23.5	21.5	78	23.7	4.49	5.40
SEP 02...	0845	34	2.8	7.6	80	7.4	365	21.0	18.5	82	25.5	4.55	5.93

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 08...	20.4	36	44	.0	33.3	<.2	11.7	12.8	145	136	.40	.56	.05
DEC 10...	24.6	40	49	.0	37.9	<.2	11.1	13.1	157	152	1.4	1.5	.99
FEB 17...	31.9	48	59	.0	48.7	<.2	11.8	16.4	190	186	1.8	2.0	1.39
APR 27...	16.2	28	23	.0	22.7	<.2	6.40	11.3	108	104	.31	.49	.04
JUN 14...	28.8	44	53	.0	45.1	.2	10.8	14.3	191	184	.41	.52	.05
JUL 08...	33.5	48	58	.0	50.5	.2	11.3	20.5	201	197	.56	.71	.12
AUG 03...	30.9	59	72	.0	48.6	.2	9.59	15.8	202	203	.28	.52	E.03n
SEP 02...	34.4	55	67	.0	51.0	.3	11.4	19.0	210	208	.48	.55	E.03n

01189030 PEQUABUCK RIVER AT FARMINGTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 08...	2.98	<.008	.51	.34	.37oc	.43oc	3.5	5.7	89k	150	10	<.20	52
DEC 10...	2.04	.222	.48	.30	.37oc	.46	3.5	4.6	7,500	11,000k	8	<.20	42
FEB 17...	2.82	.034	.60	.33	.37oc	.46oc	4.8	4.5	230	760	8	E.10n	52
APR 27...	1.22	.017	.45	.08	.110	.179	1.7	5.2	190	150	14	E.11n	31
JUN 14...	3.35	.020	.47	.54	.199	.61oc	3.9	4.3	490	740	7	E.15n	48
JUL 08...	2.78	.045	.59	.60	.62oc	.72oc	3.5	4.7	900	620	7	.21	45
AUG 03...	3.22	.028	--	.87	E.84oc	.93oc	3.7	4.7	170	260k	5	E.14n	48
SEP 02...	4.51	.023	--	.85	.85oc	.92oc	5.1	5.1	200	180	4	E.16n	48

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 08...	<.06	.38	E.5n	.155	5.9	160	.25	56.6	2.1	5.49	<.2	14.7	.12
DEC 10...	<.06	.46	E.5n	.272	5.1	153	.20	103	1.2	5.33	<.2	21.0	.10
FEB 17...	<.06	.50	E.5n	.319	6.6	153	.27	164	1.8	4.51	<.2	25.3	.16
APR 27...	<.06	.54	E.5n	.130	6.3	114	.23	40.0	1.1	2.47	<.2	17.1	.05
JUN 14...	<.06	.37	E.5n	.212	7.3	164	.27	67.5	2.0	5.16	<.2	15.4	.12
JUL 08...	<.06	.47	E.6n	.239	7.5	87	.23	108	5.3	5.35	<.2	15.4	.08
AUG 03...	<.06	.55	E.7n	.202	7.7	94	.27	58.5	3.5	4.30	<.2	16.4	.10
SEP 02...	E.03n	.53	<.8	.654	8.7	78	.26	63.7	5.0	8.03	<.2	15.7	.12

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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. Peak flows are affected by flood-control regulation at Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir. The natural flow regime can be altered by regulation from water-supply reservoirs (Barkhamsted, Lake McDonough, East Branch, Nepaug, Whigville, and West Branch), flood-control reservoirs (Colebrook River Lake, Highland Lake Reservoir, Sucker Brook Dam, and Mad River Reservoir), and by Otis Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,370 ft³/s, Oct. 29, gage height, 6.10 ft; minimum discharge, 367 ft³/s, July 23, gage height, 1.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,360	3,540	2,250	1,990	e762	e592	3,200	1,270	983	383	596	632
2	1,810	2,660	1,980	1,880	e792	e801	4,580	1,190	1,280	394	588	614
3	1,540	2,220	1,800	1,880	e817	e973	4,060	1,190	1,330	446	561	598
4	1,400	2,020	1,740	1,970	e817	e1,060	2,880	1,720	1,160	437	537	589
5	1,320	2,000	1,720	2,390	e822	1,190	2,250	1,700	1,010	464	654	581
6	1,230	2,370	1,710	2,600	e832	1,210	1,870	1,510	920	570	703	576
7	1,160	2,250	1,740	2,240	e837	1,480	1,600	1,500	873	504	615	508
8	1,160	1,990	1,690	1,940	e822	1,250	1,460	1,410	855	472	559	475
9	1,070	1,780	1,410	1,770	e915	1,100	1,350	1,310	818	580	533	1,400
10	1,060	1,650	1,330	1,690	e1,000	983	1,240	1,250	792	533	525	1,840
11	1,040	1,450	1,800	e1,640	e896	917	1,140	1,220	782	493	539	1,260
12	1,020	1,430	3,920	e1,620	e777	906	1,070	1,160	748	478	605	906
13	1,070	1,460	3,180	e1,610	e697	879	1,860	1,040	720	539	587	745
14	1,040	1,400	2,050	e1,600	e620	803	4,820	947	711	624	555	683
15	1,930	1,300	1,750	e1,760	e565	778	4,660	803	706	570	725	581
16	2,260	1,230	1,700	e1,600	e558	774	3,450	770	671	542	752	518
17	1,510	1,210	1,770	e1,440	e534	790	2,450	738	649	553	689	562
18	1,320	1,220	4,040	e1,250	e511	764	1,950	796	669	553	674	1,440
19	1,280	1,240	4,100	e1,150	e495	746	1,690	948	603	638	551	3,140
20	1,340	2,840	3,120	e1,080	e488	739	1,530	960	597	541	515	2,080
21	1,270	3,700	2,450	e1,030	e485	875	1,390	916	544	433	824	1,340
22	1,330	2,850	2,160	e978	e495	1,050	1,290	883	491	389	1,910	1,040
23	1,350	2,160	2,140	e941	e485	908	1,470	853	451	373	1,500	906
24	1,340	1,830	2,480	e897	e488	826	1,850	1,150	428	529	948	836
25	1,290	1,730	4,430	e862	e475	820	1,610	1,190	426	576	876	762
26	1,270	1,680	4,570	e853	e470	867	1,690	1,110	513	516	769	742
27	1,560	1,570	3,670	e806	e470	956	2,300	1,470	539	567	709	713
28	3,130	1,700	2,840	e767	e475	1,070	2,110	1,690	487	722	683	984
29	4,020	2,610	2,420	e759	e475	977	1,660	1,750	448	782	664	2,590
30	5,260	2,740	2,210	e772	---	869	1,410	1,360	405	702	646	2,450
31	4,700	---	2,110	e772	---	1,280	---	1,070	---	647	638	---
TOTAL	54,440	59,830	76,280	44,537	18,875	29,233	65,890	36,874	21,609	16,550	22,230	32,091
MEAN	1,756	1,994	2,461	1,437	651	943	2,196	1,189	720	534	717	1,070
MAX	5,260	3,700	4,570	2,600	1,000	1,480	4,820	1,750	1,330	782	1,910	3,140
MIN	1,020	1,210	1,330	759	470	592	1,070	738	405	373	515	475

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	820	1,003	1,194	1,190	1,191	1,804	2,115	1,434	1,190	689	659	698
MAX	2,233	1,994	3,287	2,886	2,790	3,378	4,721	3,329	3,647	2,398	1,285	1,794
(WY)	(1976)	(2004)	(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

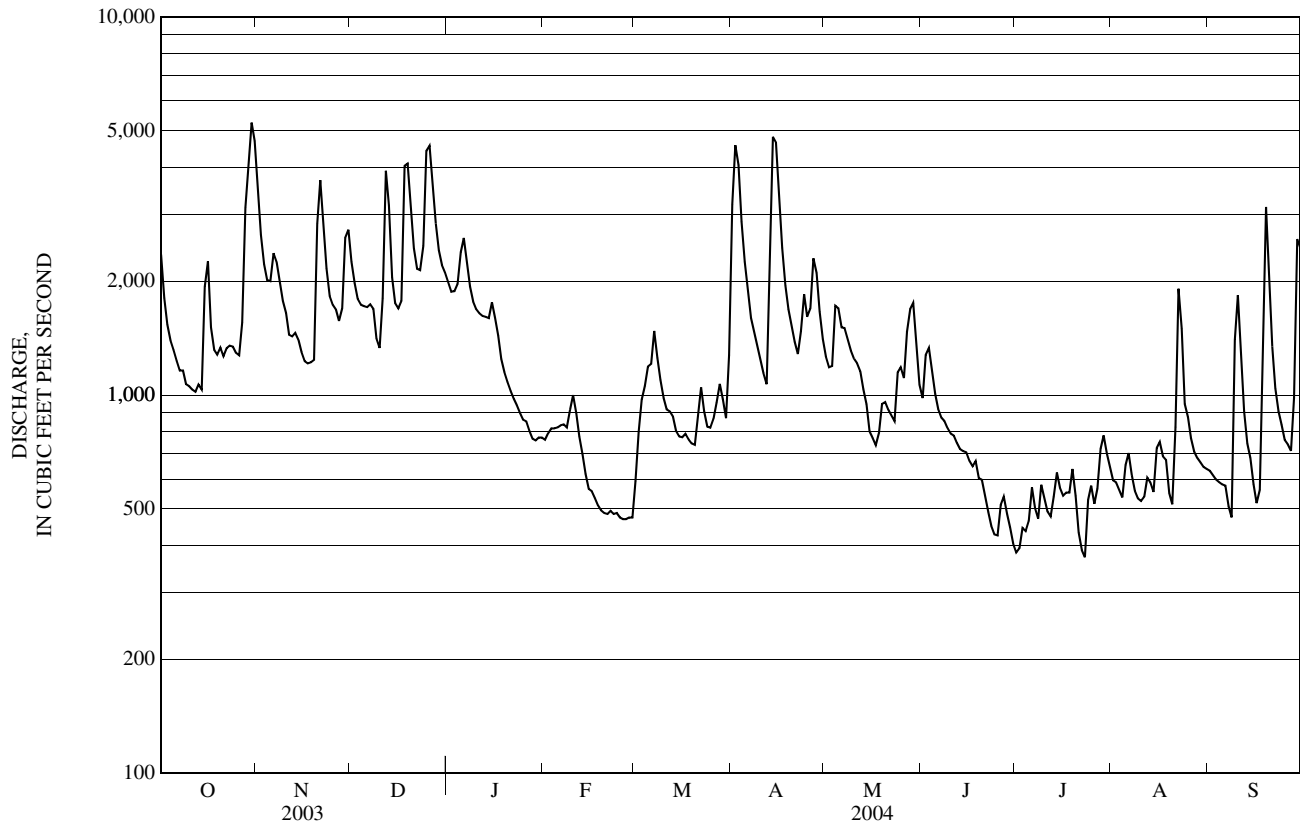
01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	530,812		478,439		1,164	
ANNUAL MEAN	1,454		1,307		1,637	
HIGHEST ANNUAL MEAN					451	
LOWEST ANNUAL MEAN					14,200	
HIGHEST DAILY MEAN	5,260	Oct 30	5,260	Oct 30	128	Mar 23, 1980
LOWEST DAILY MEAN	403	Sep 12	373	Jul 23	131	Feb 7, 1985
ANNUAL SEVEN-DAY MINIMUM	475	Feb 17	425	Jun 29	a 29,900	Jan 19, 1981
MAXIMUM PEAK FLOW			5,370	Oct 29	b 14.00	Sep 22, 1938
MAXIMUM PEAK STAGE			6.10	Oct 29	c	Sep 22, 1938
INSTANTANEOUS LOW FLOW			367	Jul 23		
10 PERCENT EXCEEDS	2,650		2,380			
50 PERCENT EXCEEDS	1,220		1,040			
90 PERCENT EXCEEDS	562		517			

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.



01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1971 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to January 1972.

WATER TEMPERATURES: January 1971 to January 1972.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 285 microsiemens Feb. 16, 1971; minimum recorded, 70 microsiemens May 14, 15, 1971.

WATER TEMPERATURES: Maximum, 26.5° C June 25, 27, 1971; minimum, 0.0° C on many days during winter period in 1971.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 08...	0915	1,170	3.0	10.1	94	7.2	132	18.0	12.0	33	9.66	2.20	1.32
DEC 10...	1415	1,320	1.6	13.6	99	7.4	130	4.0	2.5	31	8.96	2.13	1.20
FEB 17...	1430	e534	1.7	14.0	98	7.5	180	.0	.5	45	13.7	2.63	1.55
APR 27...	1315	2,360	3.5	10.8	103	7.4	115	19.0	12.5	27	7.97	1.73	1.15
JUN 14...	0930	706	2.8	8.8	93	7.4	148	22.0	17.5	36	10.7	2.18	1.60
JUL 08...	1300	451	1.9	7.7	89	7.4	162	26.5	22.0	40	12.1	2.26	1.65
AUG 03...	1100	562	1.6	8.0	94	7.5	152	28.0	23.0	34	10.2	2.05	1.58
SEP 02...	1230	610	1.5	8.1	92	7.5	148	28.0	22.0	37	10.9	2.28	1.47

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 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 08...	10.6	23	28	.0	17.8	<.2	7.62	7.3	76	71	.30	.31	.05
DEC 10...	10.7	21	25	.0	16.6	<.2	7.44	7.4	84	72	.24	.25	.06
FEB 17...	16.6	26	32	.0	26.5	<.2	9.00	9.7	103	102	.35	.37	.17
APR 27...	10.1	19	23	.0	16.1	<.2	6.25	7.0	81	77	.22	.38	E.04n
JUN 14...	14.0	22	27	.0	23.9	<.2	6.01	8.1	94	93	.22	.29	E.03n
JUL 08...	13.3	26	32	.0	22.8	<.2	6.36	8.5	101	100	.32	.45	.11
AUG 03...	12.7	28	34	.0	22.0	<.2	5.47	7.5	81	82	<.10	.32	.07
SEP 02...	13.8	25	30	.0	21.7	<.2	5.75	6.9	85	79	.28	.32	.05

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 08...	.67	<.008	.26	.06	.064	.086	.98	5.0	220	280	15	<.20	27
DEC 10...	.63	.018	.19	.03	.045	.061	.88	3.0	170k	180k	17	<.20	25
FEB 17...	1.07	.014	.20	.07	.081	.101	1.4	2.7	260f	780	17	<.20	36
APR 27...	.47	.008	--	E.02n	.032	.063	.85	4.7	48k	420	19	<.20	26
JUN 14...	.74	E.006n	--	.07	.081	.120	1.0	3.2d	69	59	11	<.20	29
JUL 08...	.82	.012	.34	.10	.132	.166	1.3	3.9	55	72	8	<.20	35
AUG 03...	.61	E.005n	.25	.10	E.134@c	.149	.93	3.9	48	91	9	<.20	27
SEP 02...	.65	E.006n	.27	.09	.109	.133	.97	4.5	32	70k	8	<.20	25

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 08...	<.06	.05	<.8	.071	1.4	157	.17	25.0	E.4n	.77	<.2	2.6	.04
DEC 10...	<.06	.06	E.4n	.090	1.0	104	<.08	28.8	<.4	.76	<.2	3.5	.04
FEB 17...	<.06	.09	<.8	.105	1.5	128	.13	54.1	E.2n	.99	<.2	5.3	.07
APR 27...	<.06	.05	<.8	.074	1.3	80	.11	22.2	<.4	.61	<.2	2.6	E.04n
JUN 14...	<.06	.06	<.8	.085	1.3	98	.11	29.2	.5	.83	<.2	2.6	E.04n
JUL 08...	<.06	.08	<.8	.087	2.2	76	.10	41.4	.5	.87	<.2	3.0	E.04n
AUG 03...	<.06	.07	<.8	.073	1.4	68	.08	30.4	.5	.79	<.2	2.5	E.03n
SEP 02...	<.06	.06	<.8	.092	2.2	98	.12	25.7	.7	1.16	<.2	2.6	E.04n

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

@-- Holding time exceeded

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

f -- Sample field preparation problem

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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, 98,100 ft³/s, Oct. 31, elevation, 19.95 ft; minimum tidal elevation, 0.32 ft, Aug. 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.27	7.03	19.70	18.07	11.39	10.65	9.62	8.20	3.82	3.22	2.55	1.65
2	7.03	5.03	18.07	14.53	10.65	8.52	8.31	8.06	4.33	3.36	2.86	1.49
3	5.03	3.71	14.53	11.32	8.52	7.49	8.19	7.72	4.36	3.81	2.61	1.57
4	4.66	3.50	11.32	9.11	7.49	6.38	8.35	7.74	4.60	4.05	3.83	2.22
5	4.60	3.11	9.42	9.15	6.42	5.67	8.04	7.47	4.12	3.43	5.10	3.78
6	3.73	2.64	9.29	8.44	6.51	5.72	8.36	8.04	4.04	3.01	5.29	4.27
7	4.02	2.89	8.75	8.31	5.87	5.11	8.17	6.89	5.09	4.04	5.12	4.22
8	3.74	2.72	8.31	7.21	5.42	4.66	6.89	5.58	4.88	3.66	6.08	4.88
9	3.41	2.27	7.21	6.33	5.29	4.62	5.59	4.94	3.79	2.95	6.34	5.58
10	3.70	2.26	6.33	5.62	5.44	4.65	7.27	4.83	4.02	3.52	5.88	5.41
11	3.83	2.35	5.80	5.31	7.06	4.83	6.99	6.56	3.95	3.33	5.41	4.46
12	3.94	2.30	5.87	5.47	9.02	6.90	8.05	6.79	3.53	2.58	5.29	4.37
13	3.27	1.68	5.78	4.91	10.30	9.02	8.49	8.05	3.47	2.90	4.37	3.60
14	3.81	1.88	4.91	4.43	10.51	9.78	8.44	7.22	3.40	2.91	3.75	3.29
15	5.05	2.53	5.57	4.50	9.78	7.51	7.23	6.83	3.12	2.23	3.87	3.09
16	5.13	4.34	5.68	5.42	7.51	6.55	7.17	6.67	3.35	2.47	3.96	2.94
17	5.81	4.53	5.49	4.92	9.19	6.65	7.23	6.91	3.08	2.11	4.52	3.65
18	5.75	4.68	5.37	4.69	13.70	9.19	6.91	6.45	3.66	2.27	4.67	3.90
19	4.68	3.95	5.46	4.15	16.19	13.70	6.93	6.46	3.92	2.76	4.13	3.10
20	4.04	3.10	8.18	5.40	16.30	15.73	6.46	5.65	3.89	2.67	4.00	2.98
21	3.94	3.13	12.80	8.18	15.73	13.92	5.86	4.88	4.09	2.64	4.14	2.91
22	4.38	2.71	13.70	12.80	13.92	11.84	5.65	4.69	3.70	1.24	3.27	2.24
23	4.81	3.35	13.51	12.35	11.84	10.27	5.52	4.59	2.77	1.17	4.03	2.28
24	5.70	4.81	12.35	10.70	10.67	9.98	5.34	4.68	3.30	1.92	3.83	2.87
25	5.49	4.61	10.70	8.67	14.46	10.67	5.01	4.09	3.05	1.59	3.30	2.41
26	5.04	4.06	8.67	7.54	17.28	14.46	4.65	3.78	2.87	1.49	3.00	2.19
27	5.78	4.06	7.54	6.99	17.61	17.22	4.81	4.33	2.49	1.31	4.29	2.21
28	10.71	5.78	6.99	6.15	17.22	15.29	4.77	4.27	2.50	1.32	8.13	4.29
29	16.10	10.71	8.98	6.65	15.29	12.65	4.57	3.93	2.83	1.76	9.40	8.13
30	19.47	16.10	10.93	8.98	12.65	10.75	3.93	3.59	---	---	9.39	9.18
31	19.95	19.47	---	---	10.75	9.62	3.86	3.61	---	---	11.06	9.37
MONTH	19.95	1.68	19.70	4.15	17.61	4.62	9.62	3.59	5.09	1.17	11.06	1.49

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 2002 to November 2003 (discontinued).

pH: May 2002 to November 2003.

WATER TEMPERATURES: May 2002 to November 2003.

DISSOLVED OXYGEN: May 2002 to September 2003.

INSTRUMENTATION.--Water-quality monitor May 2002 to November 2003 (discontinued).

REMARKS.--Water-quality monitor installed May 2002. Stream tidal affected. Limited daily value data for water year 2004 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, 33.0° C July 12, 1970; minimum, ° C on many days during winter periods.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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 unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (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 15...	1145	5.3	9.8	100	7.1	153	16.5	15.0	45	14.3	2.14	1.64	11.6
DEC 17...	1115	3.2	14.4	99	7.1	124	3.0	.0	33	10.7	1.53	1.14	9.95
FEB 10...	1245	2.4	14.5	99	7.3	202	9.0	.0	41	12.9	2.08	1.57	20.2
APR 07...	1145	9.2	13.3	102	7.2	92	13.0	4.0	22	7.07	1.10	.86c	7.22c
JUN 22...	1430	1.3	7.9	91	7.7	158	23.5	22.0	45	14.6	2.03	1.49	13.0
AUG 04...	1300	1.4	7.0	89	7.6	145	28.0	27.0	39	12.6	1.75	1.60	10.9
SEP 03...	1230	19	8.0	94	7.2	124	26.5	23.5	44	14.8	1.66	1.41	8.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)	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 unf 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 15...	34	41	.0	18.4	<.2	6.45	8.4	97	93	.22	.32	E.03n	.43
DEC 17...	21	25	.0	15.3	<.2	6.58	7.4	95	94	.21	.27	.06	.38
FEB 10...	28	34	.0	32.7	<.2	7.85	9.9	118	111	.30	.32	.14	.63
APR 07...	15	18	.0	11.4c	<.2	5.67c	5.6c	80	60	.15	.26	E.03n	.35
JUN 22...	31	37	.0	20.5	<.2	5.26	8.7	92	95	.18	.23c	<.04	.43
AUG 04...	31	38	.0	17.0	<.2	4.54	7.4	75	81	.23	.27	<.04	.37
SEP 03...	32	40	.0	10.8	<.2	6.04	5.1	92	72	.23	.35	E.03n	.26

01190070 CONNECTICUT RIVER AT HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, 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)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)
OCT 15...	.008	--	E.01n	.022	.043	.76	4.0	230	340k	12	<.20	17	<.06
DEC 17...	E.004n	.21	<.02	.014	.030	.65	4.5	390k	580	31	<.20	12	<.06
FEB 10...	.008	.18	E.01n	.019	.040	.95	2.8	300	560	22	<.20	21	<.06
APR 07...	<.008	--	<.02	.008	.051	.62	4.3	16k	34i	31	<.20	10	<.06
JUN 22...	E.004n	--	.03	.033	.049	.66	3.6	35	22	12	<.20	18	<.06
AUG 04...	E.005n	--	.02	.040	.050	.64	4.3	220	620	9	<.20	15	<.06
SEP 03...	E.005n	--	<.02	.015	.064	.61	5.2	79	80	13	<.20	12	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, 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)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, 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...	<.04	<.8	.085	1.2	110	.08	17.1	.4	.70	<.2	1.1	.08
DEC 17...	<.04	<.8	.094	1.0	111	.13	14.0	<.4	.43	<.2	1.3	.07
FEB 10...	<.04	<.8	.110	1.1	90	E.07n	37.0	E.2n	.53	<.2	1.0	.10
APR 07...	<.04	<.8	.077	1.1	44c	E.06n	9.0	<.4	.71	<.2	1.1	.06
JUN 22...	<.04	<.8	.075	1.3	77	.08	8.3	E.3n	.64	<.2	1.4	.08
AUG 04...	<.04	<.8	.063	1.4	43	.29	5.7	.4	.66	<.2	1.0	.05
SEP 03...	<.04	<.8	.065	1.4	38	E.05n	3.4	E.4n	.74	<.2	E.5n	.09

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

i -- Result may be affected by interference

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 2003 TO SEPTEMBER 2004

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, 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 20...	0815	28	1.7	8.4	70	7.1	186	1.5	7.5	48	12.9	3.77	2.95
DEC 15...	1100	66	3.9	11.4	82	6.9	348	1.5	1.0	40	10.5	3.21	2.60
FEB 24...	0930	80	5.4	12.3	85	7.0	158	-.5	.5	33	8.74	2.63	1.94
APR 05...	0915	113	4.2	10.9	85	7.0	140	.0	4.0	31	8.26	2.61	1.89
JUN 16...	1015	17	2.4	9.2	102	7.4	186	32.0	20.5	50	13.9	3.62	1.83
JUL 21...	0900	14	3.9	8.0	90	7.3	182	24.5	20.5	53	15.0	3.73	1.92
AUG 11...	1000	13	2.1	7.3	82	7.3	173	24.0	20.5	42	12.0	2.94	1.74
SEP 13...	0830	16	1.6	8.0	84	7.1	185	22.0	18.0	49	13.9	3.55	1.98

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat fltrd inc tit field, mg/L (00453)	Carbonate, wat fltrd inc tit 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 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 20...	14.2	30	36	.0	27.0	<.2	7.62	10.1	106	104	.31	.43	E.02n
DEC 15...	46.4	18	22	.0	78.2	<.2	7.14	9.7	187	184	.35	.45	.07
FEB 24...	15.2	16	19	.0	26.0	<.2	7.42	9.3	109	105	.36	.57	.12
APR 05...	12.8	14	18	.0	22.4	<.2	7.30	9.3	95	91	.24	.30	<.04
JUN 16...	14.5	27	32	.0	27.4	<.2	8.25	11.4	122	104	.26	.33	E.02n
JUL 21...	14.6	28	35	.0	27.2	<.2	7.54	10.6	111	126	.32	.44	.04
AUG 11...	13.9	26	32	.0	25.3	<.2	5.56	11.2	111	108	.28	.33	E.03n
SEP 13...	13.2	30	37	.0	26.1	<.2	6.17	10.1	107d	83	.31	.34	E.02n

01192050 HOCKANUM RIVER NEAR ROCKVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 20...	.74	.034	--	.03	.039	.067	1.2	6.1	52	46	15	<.20	35
DEC 15...	.83	E.006n	.37	.02	.034	.063	1.3	5.0	150	370	21	<.20	32
FEB 24...	.64	.009	.46	.03	.038	.084	1.2	6.0	140	170	31	E.11n	28
APR 05...	.73	E.004n	--	<.02	.023	.040	1.0	4.8	37	42	26	<.20	24
JUN 16...	1.17	.029	--	.02	.030	E.069c	1.5	4.2	220	280k	12	<.20	44
JUL 21...	.86	.017	.40	.02	.036	.088	1.3	6.1	320	420	9	<.20	42
AUG 11...	.77	.009	--	.02	.033	.059	1.1	4.9	180	500	6	<.20	39
SEP 13...	.84	.016	--	E.01n	.027	.059	1.2	4.9	210	250	5	<.20	43

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 20...	<.06	<.04	<.8	.125	3.8	253	.25	27.8	<.4	.70	<.2	3.4	.06
DEC 15...	<.06	E.04n	<.8	.098	3.1	155	.26	30.3	E.4n	.49	<.2	5.9	.05
FEB 24...	<.06	.05	<.8	.297	3.6	261	.39	168	<.4	.89	<.2	5.7	.05
APR 05...	<.06	E.02n	<.8	.070	2.9	95	.19	11.9	<.4	.61	<.2	3.5	.04
JUN 16...	<.06	<.04	<.8	.121	2.2	98	.21	62.0	E.2n	<.06	<.2	1.5	.09
JUL 21...	<.06	<.04	<.8	.115	2.4	124	.24	56.4	E.2n	.60	<.2	1.9	.06
AUG 11...	<.06	<.04	<.8	.104	2.2	65	.19	56.8	E.4n	.58	<.2	1.2	.04
SEP 13...	<.06	<.04	<.8	.081	2.0	80	.17	44.4	E.3n	.36	<.2	1.5	.05

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

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, 1,300 ft³/s, Apr. 14, gage height, 7.52 ft; minimum discharge, 44 ft³/s, Aug. 14, gage height, 1.53 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	151	111	168	82	145	558	223	139	57	54	68
2	130	143	107	169	81	160	472	213	143	61	52	56
3	118	132	99	183	83	161	327	230	142	58	50	53
4	109	122	91	195	145	149	308	385	107	55	49	51
5	100	142	94	306	100	135	293	248	98	115	154	48
6	92	146	96	223	173	194	245	218	95	85	69	48
7	88	136	99	173	330	153	218	200	94	63	55	48
8	83	131	96	139	163	132	197	185	88	59	51	143
9	80	125	93	122	123	123	181	188	84	57	50	139
10	78	124	82	107	124	116	166	187	86	57	48	81
11	81	123	171	107	115	111	154	179	81	60	53	62
12	84	121	270	111	103	111	149	171	77	57	53	57
13	90	120	167	112	102	104	435	166	74	81	48	55
14	82	119	152	106	100	98	983	156	77	65	46	52
15	222	111	247	106	95	98	570	147	76	60	136	51
16	152	103	e202	e105	86	98	457	161	72	56	77	52
17	134	101	e463	e101	86	101	365	141	69	55	70	56
18	125	105	811	e98	86	99	307	136	73	62	58	771
19	118	106	449	e93	91	100	272	155	77	74	57	368
20	108	184	347	e91	101	100	245	125	67	74	82	151
21	102	142	270	e89	114	162	223	152	65	56	448	113
22	98	126	227	e87	138	128	210	109	65	52	408	97
23	96	117	207	e87	139	107	283	213	65	52	113	87
24	95	113	275	e85	142	103	245	220	61	101	81	80
25	87	130	340	e83	138	101	208	125	61	65	69	77
26	83	115	226	e82	134	100	339	108	63	56	63	75
27	176	109	199	e81	134	128	437	327	60	56	60	73
28	203	112	186	e88	139	108	285	242	59	110	58	255
29	456	135	182	86	143	97	243	171	71	67	56	425
30	327	117	182	84	---	95	235	120	59	57	54	190
31	181	---	176	83	---	260	---	108	---	54	131	---
TOTAL	4,117	3,761	6,717	3,750	3,590	3,877	9,610	5,709	2,448	2,037	2,853	3,882
MEAN	133	125	217	121	124	125	320	184	81.6	65.7	92.0	129
MAX	456	184	811	306	330	260	983	385	143	115	448	771
MIN	78	101	82	81	81	95	149	108	59	52	46	48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2004, BY WATER YEAR (WY)

MEAN	72.5	92.9	113	129	139	196	195	140	111	74.1	71.6	72.3
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

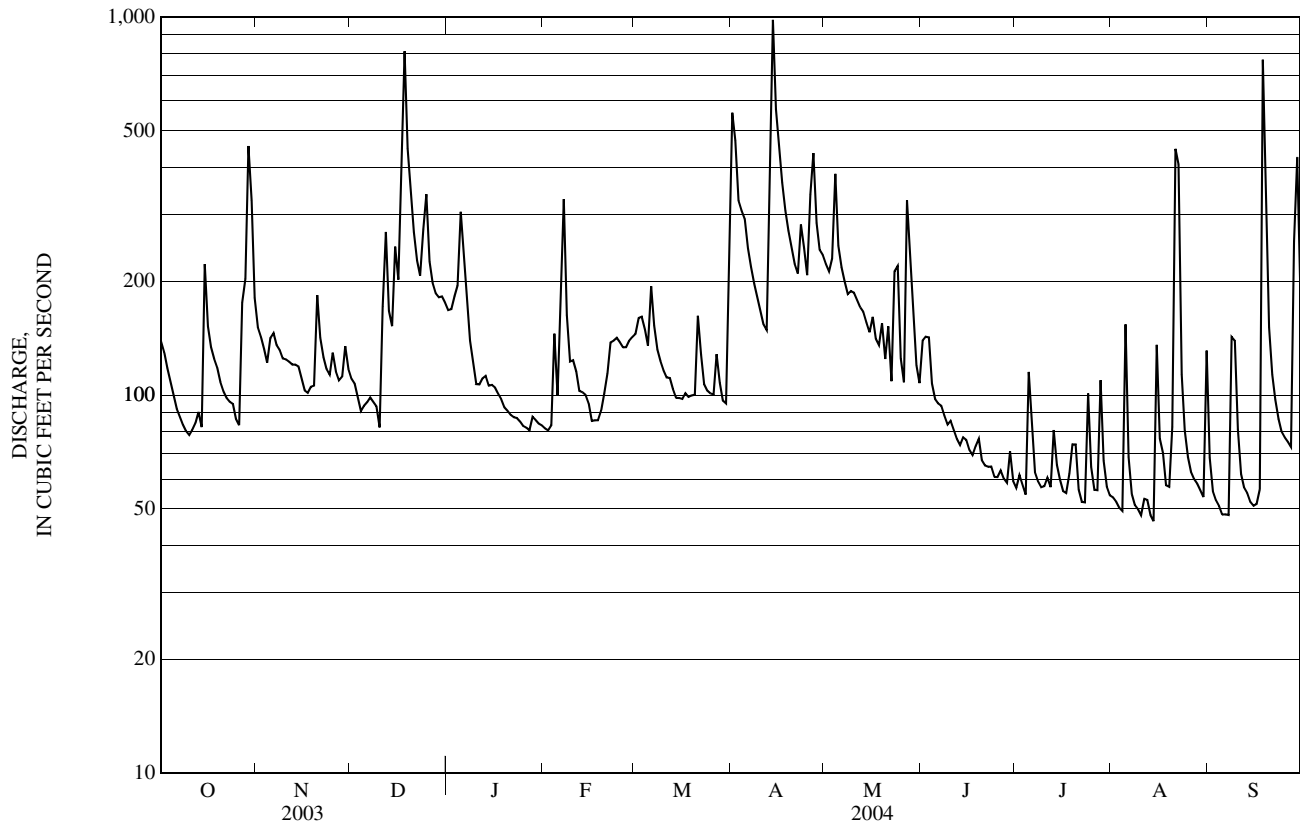
01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1920 - 2004	
ANNUAL TOTAL	58,792		52,351		117	
ANNUAL MEAN	161		143		176	
HIGHEST ANNUAL MEAN					55.8	
LOWEST ANNUAL MEAN					1938	
HIGHEST DAILY MEAN	811	Dec 18	983	Apr 14	4,300	Sep 21, 1938
LOWEST DAILY MEAN	50	Aug 28	46	Aug 14	1.2	Sep 2, 1920
ANNUAL SEVEN-DAY MINIMUM	52	Aug 26	50	Aug 8	13	Sep 2, 1934
MAXIMUM PEAK FLOW			1,300	Apr 14	a 5,160	Sep 21, 1938
MAXIMUM PEAK STAGE			7.52	Apr 14	b 13.78	Sep 21, 1938
INSTANTANEOUS LOW FLOW			44	Aug 14	c	
10 PERCENT EXCEEDS	283		256		222	
50 PERCENT EXCEEDS	132		109		87	
90 PERCENT EXCEEDS	75		57		39	

a From computation of flow over dam just above gage.

b From floodmarks.

c Practically no flow at times caused by regulation.



01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 20...	1130	109	2.4	11.6	99	7.3	314	9.0	9.0	78	24.2	4.35	3.87
DEC 15...	1345	276	8.1	13.6	102	6.7	543	1.5	3.0	63	19.2	3.67	3.10
FEB 24...	1215	142	3.8	13.9	105	7.1	312	3.5	3.5	67	20.3	3.83	2.80
APR 05...	1215	288	4.3	12.2	103	7.4	236	9.5	7.5	54	16.0	3.32	2.32
JUN 16...	1315	72	4.7	9.3	108	8.3	367	33.5	23.5	95	29.9	5.03	3.65
JUL 21...	1115	58	3.8	8.7	103	7.7	377	28.5	23.0	100	32.3	4.97	3.91
AUG 11...	1230	50	4.7	9.0	105	7.8	401	29.5	22.5	98	31.6	4.72	4.32
SEP 13...	1100	57	2.4	9.1	100	7.7	367	24.0	20.0	92	29.4	4.60	3.99

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 20...	29.0	49	60	.0	43.6	<.2	11.7	18.5	179	172	.34	.47	.06
DEC 15...	75.8	30	37	.0	124	<.2	9.94	14.9	298	283	.39	.51	.10
FEB 24...	32.3	34	41	.0	51.8	<.2	9.82	17.7	192	191	.39	.61	.09
APR 05...	23.9	27	33	.0	39.3	<.2	8.97	13.4	156	153	.29	.38	.04
JUN 16...	34.5	55	66	.0	54.8	.2	9.66	24.8	225	225	.43	1.1	<.04
JUL 21...	34.2	59	72	.0	53.7	.2	7.58	26.9	227	215	.48	.62	.05
AUG 11...	33.1	60	73	.0	54.7	.2	9.74	27.6	254	233	.47	.78	E.03n
SEP 13...	30.9	59	72	.0	51.0	.2	11.0	24.0	227	206	.47	.62	.09

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 20...	2.05	.009	.40	.24	.26oc	.30oc	2.5	4.2	340	1,000	9	<.20	58
DEC 15...	1.68	E.006n	.41	.09	.110	.172	2.2	4.7	1,100	3,300	17	<.20	55
FEB 24...	2.28	.025	.52	.17	.188	.23oc	2.9	4.2	150f	170	26	E.12n	55
APR 05...	1.49	E.006n	.34	.08	.107	.145	1.9	4.6	60k	140	20	E.12n	46
JUN 16...	2.92	.023	--	.40	.42oc	.52oc	4.0	6.0	220	540	25	E.17n	72
JUL 21...	2.99	.018	.56	.40	.44oc	.46oc	3.6	7.5	370	530	15	.20	75
AUG 11...	3.59	.013	--	.57	.58oc	.64oc	4.4	5.0	230	560	14	.23	76
SEP 13...	2.66	.020	.54	.37	--	.45oc	3.3	4.4	150	960	11	.22	76

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 20...	<.06	E.02n	<.8	.157	3.6	132	.21	63.9	E.3n	.95	<.2	13.6	.15
DEC 15...	<.06	E.04n	<.8	.149	2.8	124	.22	69.5	.5	.58	<.2	12.5	.11
FEB 24...	<.06	E.03n	E.5n	.206	3.4	143	.32	113	E.3n	1.02	<.2	14.7	.16
APR 05...	<.06	E.02n	<.8	.124	2.7	94	.23	53.7	E.2n	.88	<.2	8.0	.10
JUN 16...	<.06	E.03n	E.4n	.272	3.4	114	.27	49.6	3.1	.89	<.2	14.1	.26
JUL 21...	<.06	E.03n	E.4n	.250	2.9	110	.27	98.3	3.5	1.19	<.2	11.5	.22
AUG 11...	<.06	E.03n	<.8	.309	3.2	104	.27	112	4.1	1.45	<.2	13.9	.21
SEP 13...	<.06	E.03n	E.4n	.175	3.2	112	.26	87.6	3.3	.58	<.2	13.1	.24

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

f -- Sample field preparation problem

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 2003 TO SEPTEMBER 2004

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, 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 06...	1130	69	2.9	11.1	101	7.6	375	13.5	11.5	140	38.0	11.5	1.54
DEC 08...	1330	68	3.1	15.4	109	7.4	410	4.0	1.5	160	43.3	13.3	1.22
FEB 18...	1245	50	4.0	16.7	119	8.2	440	2.0	2.0	160	44.2	13.1	1.37
APR 15...	1115	434	12	11.4	97	7.6	217	8.0	8.5	71	19.5	5.38	1.04
JUN 15...	1215	42	5.0	9.7	109	8.0	400	32.0	21.0	160	43.5	13.3	1.45
JUL 26...	1215	21	2.5	9.8	114	8.2	373	29.0	23.0	150	40.9	11.9	1.41
AUG 23...	1215	63	6.6	8.9	100	7.8	300	29.0	21.0	110	29.3	7.74	1.73
SEP 22...	1245	54	3.6	9.5	102	7.9	347	25.0	19.0	120	33.1c	10.0c	1.73c

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 06...	18.8	112	137	.0	34.3	<.2	14.4	16.2	223	217	.37	.40	.08
DEC 08...	21.7	116	142	.0	43.1	<.2	13.4	15.9	223	223	.26	.32	.07
FEB 18...	27.7	116	142	.0	52.4	<.2	11.5	19.8	250	241	.42	.30	.06
APR 15...	15.1	54	65	.0	26.2	<.2	7.38	8.8	141	128	.26	.37	E.02n
JUN 15...	21.8	122	147	.0	40.5	<.2	11.9	15.3	245	247	.49	.45	E.04n
JUL 26...	19.4	113	138	.0	37.4	<.2	12.3	15.2	221	227	.30	.28	<.04
AUG 23...	16.3	85	103	.0	30.5	<.2	10.5	11.0	174	180d	.39	.51	.04
SEP 22...	19.2c	99	121	.0	34.8	<.2	12.4c	14.2	213	197	.38	.43	.05

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 06...	1.11	.019	.32	.02	.024	.044	1.5	4.0	110	180	3	E.13n	101
DEC 08...	1.18	.008	.26	<.02	.011	.030	1.5	3.8	52	39	2	<.20	91
FEB 18...	1.25	E.004n	.24	<.02	.012	.030	1.5	2.7	1k	43	6	E.11n	100
APR 15...	.62	E.004n	--	<.02	.017	.047	.99	5.2	84	370k	8	E.13n	50
JUN 15...	.95	.031	--	.02	.035	.096	1.4	5.9	480	900	4	E.14n	111
JUL 26...	.78	E.005n	--	.04	.064	.082	1.1	5.0	96	100	3	E.19n	99
AUG 23...	.61	.010	.47	.04	.051	.090	1.1	6.0	520	1,300k	4	E.19n	81
SEP 22...	.84	.009	.38	.03	.035	.061	1.3	5.5	220	370k	4	E.15n	93

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 06...	<.06	E.03n	<.8	.148	1.7	30	E.04n	84.3	.5	1.74	<.2	1.3	.47
DEC 08...	<.06	E.03n	<.8	.217	1.3	39	E.05n	109	E.3n	1.56	<.2	2.0	.48
FEB 18...	<.06	E.03n	<.8	.203	1.8	71	E.08n	137	E.4n	1.73	<.2	2.1	.61
APR 15...	<.06	.04	<.8	.103	2.7	48	.11	36.1	E.3n	1.02	<.2	2.8	.14
JUN 15...	<.06	E.02n	<.8	.203	2.3	50	.11	136	.7	1.54	<.2	1.5	.54
JUL 26...	<.06	E.02n	<.8	.192	2.2	54	.12	87.0	.9	2.02	<.2	.7	.42
AUG 23...	<.06	E.03n	<.8	.156	2.7	48	.09	82.5	.6	2.06	<.2	1.3	.23
SEP 22...	<.06	E.02n	<.8	.190	2.2	57c	.10	73.4	.6	1.22	<.2	1.4	.42

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

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, 901 ft³/s, Apr. 14, gage height, 9.86 ft; minimum discharge, 4.1 ft³/s, Sept. 6, 7, 8, gage height, 4.43 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	267	47	74	e28	48	241	93	43	5.4	10	5.9
2	135	199	41	67	e28	60	345	84	48	5.2	9.8	5.4
3	93	155	36	62	e29	71	282	91	83	5.3	7.6	5.2
4	66	125	32	62	e34	76	209	148	73	5.0	6.4	4.9
5	49	112	30	87	33	73	162	153	51	21	15	4.5
6	39	111	30	107	e37	95	122	121	38	28	18	4.2
7	34	111	30	e85	e57	124	96	95	32	25	18	4.2
8	30	99	34	e75	e102	108	81	78	28	16	13	5.4
9	28	79	35	e69	e63	87	72	69	24	11	9.1	14
10	26	63	39	e62	e46	73	64	64	21	7.6	6.8	14
11	25	56	94	e59	e39	63	58	59	18	6.0	6.1	12
12	32	54	180	e56	e35	55	54	53	17	5.4	6.0	10
13	37	55	172	e51	28	49	202	46	15	8.0	5.2	8.3
14	33	53	147	e47	27	44	822	40	15	9.8	5.2	6.7
15	87	47	147	e44	28	41	623	37	15	10	17	5.8
16	92	42	160	e41	26	41	393	37	13	8.8	27	6.3
17	81	40	216	e39	21	43	267	34	12	7.3	34	6.0
18	66	38	478	e37	20	42	190	31	12	6.3	29	144
19	54	39	405	e34	22	43	143	34	12	7.7	19	249
20	52	74	287	e33	26	44	114	35	11	7.3	13	207
21	61	93	207	e31	27	81	96	34	10	6.4	30	137
22	61	88	157	e31	35	106	84	32	9.5	5.4	47	90
23	57	70	129	e31	45	92	82	34	8.8	4.7	45	57
24	52	57	132	e30	47	72	93	47	7.9	7.2	32	33
25	47	56	184	e30	43	61	91	51	7.8	8.3	19	19
26	47	52	181	e29	39	55	104	45	7.3	8.4	12	14
27	102	49	149	e29	38	55	211	46	6.0	7.0	9.7	11
28	233	47	122	e30	38	53	208	50	6.3	15	8.2	23
29	416	53	105	e30	42	49	150	60	6.3	18	6.9	124
30	518	50	97	e29	---	45	112	55	5.7	17	6.1	164
31	373	---	87	e29	---	79	---	43	---	12	6.8	---
TOTAL	3,227	2,434	4,190	1,520	1,083	2,028	5,771	1,899	656.6	315.5	497.9	1,394.8
MEAN	104	81.1	135	49.0	37.3	65.4	192	61.3	21.9	10.2	16.1	46.5
MAX	518	267	478	107	102	124	822	153	83	28	47	249
MIN	25	38	30	29	20	41	54	31	5.7	4.7	5.2	4.2
CFSM	3.49	2.72	4.54	1.65	1.25	2.20	6.46	2.06	0.73	0.34	0.54	1.56
IN.	4.03	3.04	5.23	1.90	1.35	2.53	7.20	2.37	0.82	0.39	0.62	1.74

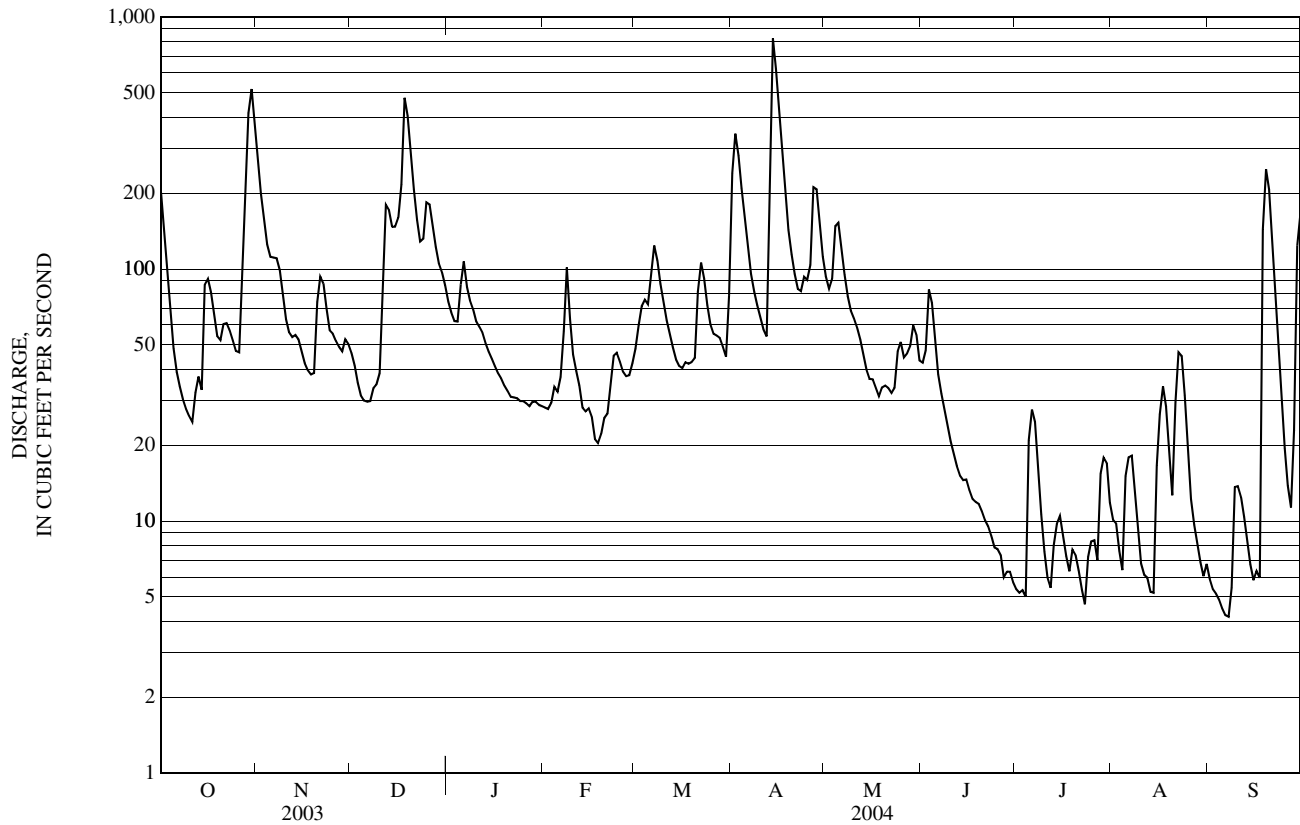
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

MEAN	36.8	60.1	82.3	74.7	85.3	105	105	60.3	55.7	16.6	21.0	17.8
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	30,799.6		25,016.8		60.7	
ANNUAL MEAN	84.4		68.4		29.9	
HIGHEST ANNUAL MEAN					95.6	
LOWEST ANNUAL MEAN					29.9	
HIGHEST DAILY MEAN	518	Oct 30	822	Apr 14	1,670	Jun 6, 1982
LOWEST DAILY MEAN	2.5	Aug 29	4.2	Sep 6	0.26	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug 26	4.8	Sep 2	0.28	Aug 13, 2002
MAXIMUM PEAK FLOW			901	Apr 14	2,260	Apr 16, 1996
MAXIMUM PEAK STAGE			9.86	Apr 14	12.46	Apr 16, 1996
INSTANTANEOUS LOW FLOW			4.1	Sep 6	0.25	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	2.83		2.29		2.04	
ANNUAL RUNOFF (INCHES)	38.45		31.23		27.66	
10 PERCENT EXCEEDS	205		151		140	
50 PERCENT EXCEEDS	54		43		36	
90 PERCENT EXCEEDS	13		7.1		5.0	



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. 1947 to Sept. 1948, twice daily readings on outside staff gage, and Sept. 1948 to Oct. 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.--Records poor. 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, 21.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 267,000 ft³/s Mar. 21, 1936, gage height, 28.20 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, 95,200 ft³/s, Apr. 4, elevation, 11.65 ft.; minimum tidal elevation, 0.65 ft, Mar. 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.52	3.24	11.50	10.76	5.45	4.66	4.64	3.56	1.82	1.16	1.70	0.89
2	3.59	2.45	10.76	8.60	5.04	3.57	4.25	3.42	2.12	1.25	1.88	1.02
3	3.23	1.40	8.60	6.28	3.93	3.14	4.33	3.49	2.61	1.74	1.61	0.65
4	3.25	1.70	6.28	4.64	3.62	2.66	4.40	3.52	3.04	1.68	1.95	0.87
5	2.82	1.24	5.09	4.30	3.62	2.48	4.49	3.40	1.90	1.07	2.60	1.52
6	2.52	0.99	4.90	3.96	5.03	3.00	4.20	3.49	2.19	1.15	3.22	2.31
7	2.66	1.22	4.64	3.73	3.58	2.42	3.71	2.76	3.16	1.94	2.65	1.66
8	2.56	1.15	4.35	2.93	3.57	2.20	2.77	2.04	2.68	1.19	3.36	2.20
9	2.27	0.90	3.40	2.46	3.54	2.25	2.81	1.97	1.75	1.06	3.82	2.77
10	2.29	0.96	3.28	2.24	3.65	2.26	---	---	2.22	1.24	3.56	2.42
11	2.67	1.34	3.48	2.25	5.49	2.58	---	---	2.57	1.62	3.62	2.33
12	3.03	1.30	3.70	2.46	3.76	2.88	---	---	1.96	1.26	3.96	1.78
13	2.46	1.00	3.71	1.69	---	---	---	---	2.25	1.44	2.04	1.00
14	2.85	1.08	1.69	0.76	---	---	---	---	2.12	1.34	1.90	0.74
15	3.99	1.33	2.30	0.70	---	---	---	---	2.15	1.23	2.37	1.26
16	2.57	1.15	2.98	1.72	3.26	2.79	---	---	2.20	1.22	2.28	1.05
17	3.02	1.52	2.98	2.18	5.46	2.72	---	---	1.96	0.95	3.35	1.94
18	3.05	2.05	3.00	2.10	6.33	5.00	---	---	2.37	1.15	3.52	2.23
19	2.82	1.84	3.88	2.11	8.36	6.33	---	---	2.78	1.74	3.08	1.92
20	2.41	1.29	3.94	2.74	8.85	8.36	---	---	2.73	1.81	2.91	1.81
21	2.76	1.36	6.09	3.43	8.63	7.63	---	---	2.98	1.90	3.06	1.72
22	3.10	1.37	7.01	6.09	7.63	6.28	3.28	2.28	2.78	0.86	2.17	0.83
23	3.34	1.68	7.25	6.51	6.32	5.22	2.77	2.04	---	---	1.90	1.00
24	3.26	1.73	6.69	5.61	6.05	4.86	2.79	1.92	---	---	2.04	1.12
25	3.47	1.87	5.90	4.11	6.78	5.49	2.12	1.50	1.99	0.86	1.92	0.89
26	3.73	1.75	4.86	3.40	8.58	6.78	2.38	1.55	1.79	0.74	1.69	0.86
27	4.10	1.80	4.38	3.08	9.56	8.58	2.50	1.62	1.58	0.66	1.66	0.77
28	4.89	2.72	4.21	2.85	9.49	8.56	3.17	2.14	1.47	0.53	3.39	1.44
29	7.78	4.36	4.48	3.12	8.56	6.76	2.21	1.23	1.80	0.80	4.44	3.34
30	10.24	7.78	4.74	3.17	6.76	5.36	1.52	0.91	---	---	4.38	3.93
31	11.50	10.24	---	---	5.36	4.60	2.12	1.27	---	---	5.27	4.06
MONTH	11.50	0.90	11.50	0.70	9.56	2.20	4.64	0.91	3.16	0.53	5.27	0.65

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

01193500 SALMON RIVER NEAR EAST HAMPTON, CT

LOCATION.--Lat 41° 33'08", 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. WDR CT-04-1: Latitude.

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)
Oct 29	1400	2,220	6.01	Apr 13	2330	*4,540	*7.68
Dec 17	2130	3,450	6.95	Sep 18	1445	1,840	5.67
Apr 1	2130	1,410	5.23				

Minimum discharge, 18 ft³/s, July 23, gage height, 2.21 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	354	179	239	e103	187	1,280	306	244	26	140	39
2	101	293	169	230	e110	240	946	321	223	23	167	31
3	86	262	141	248	e126	274	534	430	194	24	74	25
4	77	236	143	278	e254	261	431	862	155	22	49	23
5	78	262	137	480	e215	236	368	499	129	121	439	21
6	71	357	146	422	e404	430	299	379	121	138	191	22
7	66	316	152	283	e652	378	263	320	120	70	96	19
8	61	250	161	225	379	268	243	277	104	52	68	29
9	59	209	155	e179	295	235	225	275	89	43	52	98
10	56	196	148	e151	208	211	208	260	81	35	41	90
11	54	194	573	e133	193	203	193	234	75	29	33	55
12	65	200	678	e133	181	190	191	206	65	25	33	41
13	77	211	343	e139	158	167	1,270	181	58	38	29	34
14	65	186	243	e131	154	152	2,750	171	57	44	31	29
15	454	168	484	e130	e143	151	1,410	160	60	37	136	25
16	271	158	374	e128	e138	148	843	156	53	32	130	31
17	157	157	1,140	e124	e132	155	578	143	48	27	105	30
18	139	155	1,790	e122	e127	151	477	136	51	41	73	911
19	128	152	711	e116	e132	154	414	205	53	36	56	623
20	125	353	478	e110	e140	159	363	160	47	31	52	208
21	113	299	377	e109	e151	377	321	151	40	26	134	122
22	115	223	339	e107	e161	333	300	143	38	22	262	89
23	108	192	318	e105	e166	227	349	197	39	19	124	69
24	99	177	482	e103	e163	198	395	367	34	27	79	57
25	91	198	739	e103	e160	187	313	239	31	33	61	51
26	92	186	454	e103	e155	179	580	171	32	27	48	48
27	548	170	357	e103	e155	198	997	266	30	22	42	44
28	793	172	305	e110	e160	190	567	339	26	94	38	85
29	1,450	246	282	e109	e165	166	402	299	30	79	36	649
30	932	207	279	e107	---	152	343	189	30	49	30	350
31	472	---	263	e103	---	457	---	149	---	37	40	---
TOTAL	7,127	6,739	12,540	5,163	5,680	7,014	17,853	8,191	2,357	1,329	2,889	3,948
MEAN	230	225	405	167	196	226	595	264	78.6	42.9	93.2	132
MAX	1,450	357	1,790	480	652	457	2,750	862	244	138	439	911
MIN	54	152	137	103	103	148	191	136	26	19	29	19
CFSM	2.30	2.25	4.05	1.67	1.96	2.26	5.95	2.64	0.79	0.43	0.93	1.32
IN.	2.65	2.51	4.66	1.92	2.11	2.61	6.64	3.05	0.88	0.49	1.07	1.47

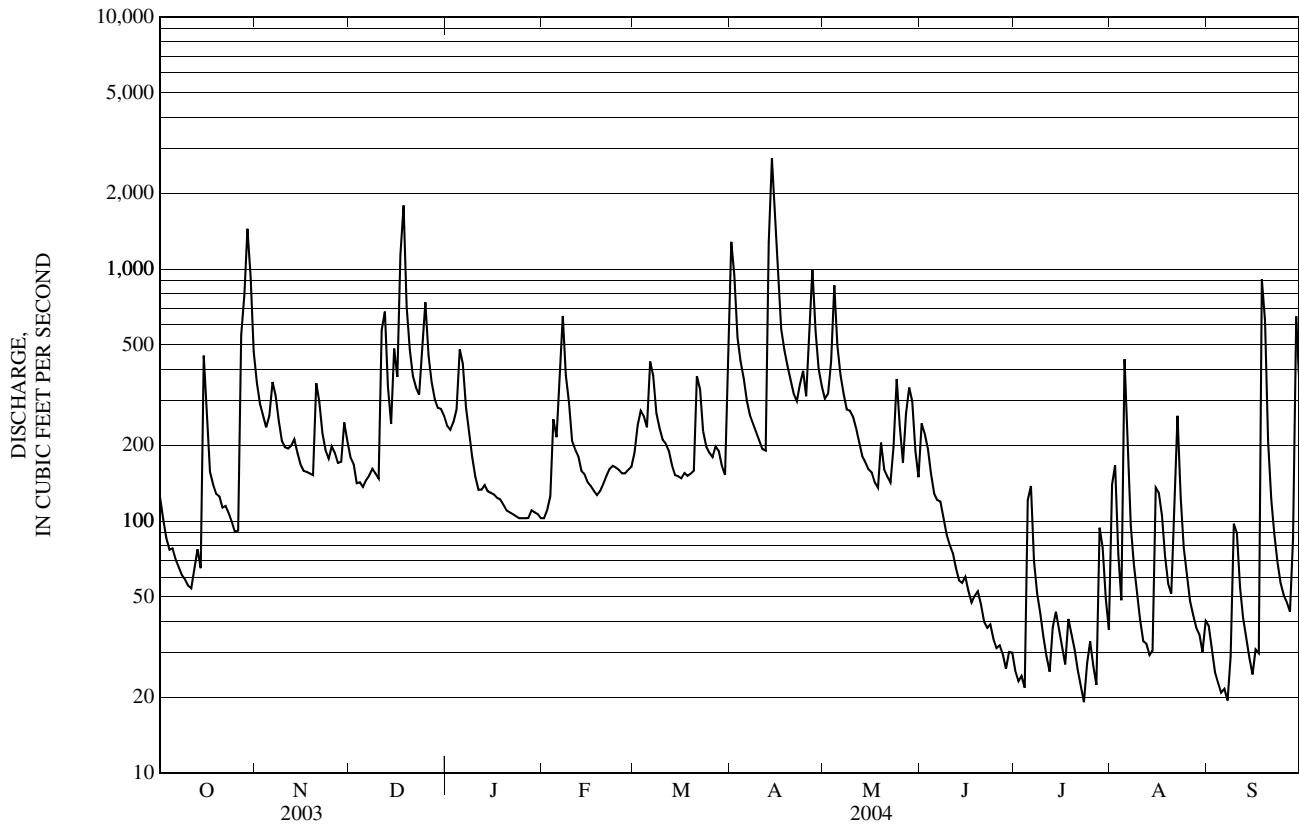
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	88.3	160	217	247	249	370	339	224	139	62.8	54.5	65.7
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	87,947		80,830		184	
ANNUAL MEAN	241		221		326	
HIGHEST ANNUAL MEAN					81.9	
LOWEST ANNUAL MEAN					1.0	
HIGHEST DAILY MEAN	1,790	Dec 18	2,750	Apr 14	8,720	Sep 21, 1938
LOWEST DAILY MEAN	11	Aug 31	19	Jul 23	3.0	Oct 13, 1929
ANNUAL SEVEN-DAY MINIMUM	13	Aug 26	24	Sep 2	18,500	Sep 6, 1963
MAXIMUM PEAK FLOW			4,540	Apr 13	14.40	Jun 6, 1982
MAXIMUM PEAK STAGE			7.68	Apr 13	0.90	Jan 19, 1997
INSTANTANEOUS LOW FLOW			18	Jul 23	1.84	
ANNUAL RUNOFF (CFSM)	2.41		2.21		25.06	
ANNUAL RUNOFF (INCHES)	32.72		30.07		402	
10 PERCENT EXCEEDS	497		444		116	
50 PERCENT EXCEEDS	179		154		19	
90 PERCENT EXCEEDS	47		33			



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 2003 TO SEPTEMBER 2004

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 unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 14...	0800	65	1.0	11.3	102	7.1	118	8.5	11.0	24	6.33	1.95	2.50
JAN 08...	0945	209	2.0	14.7	99	6.9	102	<5.0	.0	19	5.04	1.50	1.51
APR 13...	0945	561	9.4	11.9	98	7.0	92	7.0	7.0	17	4.68	1.32	1.46
JUL 28...	1330	125	6.9	9.3	100	7.6	110	21.0	19.0	22	6.10	1.60	1.90

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 unf 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 14...	11.5	13	16	.0	19.4	<.2	10.4	7.8	79	79	.21	.22	<.04
JAN 08...	9.58	8	10	.0	15.3	<.2	9.60	9.6	64	60	.12	.19	<.04
APR 13...	9.11	8	9	.0	13.9	<.2	6.93	6.7	79	58	.13	.38	<.04
JUL 28...	10.3	13	15	.0	16.8	<.2	7.94	7.1	75	70	.18	.37	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 14...	.10	<.008	<.02	.005	.010	.33	5.1	43	43	17	<.20	10	<.06
JAN 08...	.41	<.008	<.02	.004	.009	.60	2.7	4k	3k	29	<.20	9	<.06
APR 13...	.32	<.008	<.02	.007	.043	.70	5.2	220	200	38	<.20	8	<.06
JUL 28...	.20	<.008	<.02	.009	.039	.56	6.6	1,400	1,500k	14	<.20	8	<.06

01193500 SALMON RIVER NEAR EAST HAMPTON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 14...	<.04	<.8	.056	E.4n	92	<.08	2.4	E.4n	.75	<.2	E.5n	E.03n
JAN 08...	E.02n	<.8	.188	.5	64	.17	18.2	<.4	.87	<.2	2.5	E.02n
APR 13...	<.04	<.8	.161	.5	71	.09	13.9	<.4	.81	<.2	1.8	E.02n
JUL 28...	<.04	<.8	.080	.6	73	E.06n	7.7	<.4	.76	<.2	E.6n	E.03n

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 2003 TO SEPTEMBER 2004

Date	Time	Turbidity, NTU (00076)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	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, 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 15...	0800	4.5	9.3	95	7.4	149	18.0	15.0	43	13.1	2.42	1.61	11.7
DEC 17...	0930	3.3	14.4	99	7.2	154	9.5	.0	34	10.8	1.72	1.15	14.7
FEB 10...	0930	4.9	11.8	80	7.4	298	6.0	.0	45	14.1	2.38	1.88	38.3
APR 07...	0745	12	13.7	104	7.2	94	6.0	4.5	23	7.12c	1.20c	.94c	7.47c
JUN 22...	0915	2.4	9.7	112	8.0	161	23.0	23.5	46	14.7	2.14	1.49	13.1
AUG 04...	0845	3.4	7.8	98	7.5	147	25.0	26.5	40	13.0	1.82	1.57	10.6
SEP 03...	0845	4.8	7.8	92	7.3	127	23.5	24.0	41	13.7	1.69	1.41	9.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 unf 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 15...	27	33	.0	17.9	<.2	7.05	8.3	100	96	.26	.34	.04	.53
DEC 17...	23	28	.0	23.8	<.2	6.62	7.6	107	102	.22	.28	.08	.39
FEB 10...	28	34	.0	59.3	<.2	7.49	9.6	166	162	.44	.47	.21	.70
APR 07...	14	17	.0	11.5c	<.2	5.64c	5.8c	88	56	.17	.30	E.04n	.35
JUN 22...	31	38	.0	20.7	<.2	4.93	9.2	99	97	.17	.41c	<.04	.43
AUG 04...	33	41	.0	16.6	<.2	4.51	7.9	81	80	.22	.35	<.04	.37
SEP 03...	30	37	.0	12.5	<.2	5.55	5.6	82	72	.25	.29	E.03n	.29

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, 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)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)
OCT 15...	.010	.30	.03	.044	.069	.87	4.4	160	290k	12	<.20	18	<.06
DEC 17...	E.004n	.20	E.01n	.022	.039	.67	3.8	920	580	32	<.20	14	<.06
FEB 10...	.013	.25	.02	.037	.062	1.2	3.2	780	880	20	<.20	25	<.06
APR 07...	<.008	--	E.01n	.023	.071	.64	4.2	700	420	29	<.20	10	<.06
JUN 22...	.013	--	<.02	.028	.069	.85	4.4	27	36	16	<.20	18	<.06
AUG 04...	.009	--	.02	.036	.064	.72	4.7	30	37	13	<.20	15	<.06
SEP 03...	E.006n	--	E.01n	.032	.063	.58	4.6	36	51	12	<.20	13	<.06

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 15...	<.04	<.8	.075	1.4	111	.11	12.9	.7	.80	<.2	1.2	.06
DEC 17...	<.04	<.8	.094	1.2	99	.12	17.9	<.4	.52	<.2	2.0	.09
FEB 10...	E.03n	<.8	.118	1.7	86	.12	51.4	E.4n	.77	<.2	3.6	.10
APR 07...	<.04	<.8	.069	1.2	49c	E.07n	8.1	<.4	.74	<.2	1.1	.06
JUN 22...	<.04	<.8	.084	1.7	56	E.08n	.7	.5	.71	<.2	1.4	.10
AUG 04...	<.04	<.8	.066	1.7	28	.11	.5	.6	.61	<.2	.7	.07
SEP 03...	<.04	<.8	.068	1.5	53	E.06n	2.2	.5	.77	<.2	.9	.08

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 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, 896 ft³/s, Apr. 14, gage height, 5.74 ft; minimum discharge, 2.6 ft³/s, Aug. 4, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	72	27	53	e19	41	311	67	36	4.4	3.8	6.3
2	15	59	24	49	e19	44	278	69	41	5.0	3.7	5.3
3	13	51	22	49	e20	47	159	99	63	11	3.3	4.6
4	12	45	21	50	e42	48	132	173	43	7.8	2.9	4.1
5	11	44	21	80	e51	48	103	124	32	8.0	100	3.7
6	12	56	22	93	e49	67	83	87	29	14	76	3.3
7	11	55	23	e58	e148	80	72	72	28	11	26	3.2
8	9.2	45	23	e36	e109	62	66	63	24	7.7	14	23
9	9.3	38	23	e28	e74	55	61	58	21	6.7	9.9	43
10	9.9	34	24	e24	e55	49	56	58	18	6.4	7.0	30
11	9.4	33	75	e22	e48	44	53	54	16	5.2	5.4	17
12	12	34	145	e22	e43	42	54	46	14	4.3	5.2	11
13	20	39	77	e26	e40	38	229	41	13	6.3	4.5	8.7
14	19	38	53	e32	e36	35	689	37	13	10	4.5	7.0
15	57	32	94	e44	e34	34	382	34	17	8.5	21	6.0
16	60	30	90	e36	e34	34	241	32	13	6.6	28	7.3
17	29	29	123	e31	e32	37	163	29	11	5.5	23	8.0
18	25	28	449	e28	e31	36	130	28	12	6.1	16	190
19	23	28	187	e26	e31	37	107	33	13	8.2	11	281
20	22	46	122	e25	32	39	93	30	15	6.5	9.5	79
21	20	59	93	e24	33	74	79	29	11	5.8	23	42
22	19	44	80	e23	38	91	73	29	11	4.3	70	30
23	18	36	75	e22	40	62	71	28	9.7	3.7	34	23
24	17	32	83	e21	37	52	85	47	8.5	4.6	19	18
25	16	34	149	e21	34	46	75	40	7.3	10	13	15
26	18	34	105	e20	31	44	111	32	7.3	6.7	9.6	13
27	59	31	81	e20	31	46	199	48	7.1	4.2	8.2	12
28	131	29	68	e20	32	48	131	72	5.8	4.7	7.3	20
29	209	31	62	e21	36	42	89	92	5.7	5.4	6.4	241
30	221	29	60	e20	---	39	74	50	4.8	5.1	5.6	174
31	101	---	58	e20	---	83	---	35	---	4.2	6.2	---
TOTAL	1,224.8	1,195	2,559	1,044	1,259	1,544	4,449	1,736	550.2	207.9	577.0	1,329.5
MEAN	39.5	39.8	82.5	33.7	43.4	49.8	148	56.0	18.3	6.71	18.6	44.3
MAX	221	72	449	93	148	91	689	173	63	14	100	281
MIN	9.2	28	21	20	19	34	53	28	4.8	3.7	2.9	3.2
CFSM	1.77	1.79	3.70	1.51	1.95	2.23	6.65	2.51	0.82	0.30	0.83	1.99
IN.	2.04	1.99	4.27	1.74	2.10	2.58	7.42	2.90	0.92	0.35	0.96	2.22

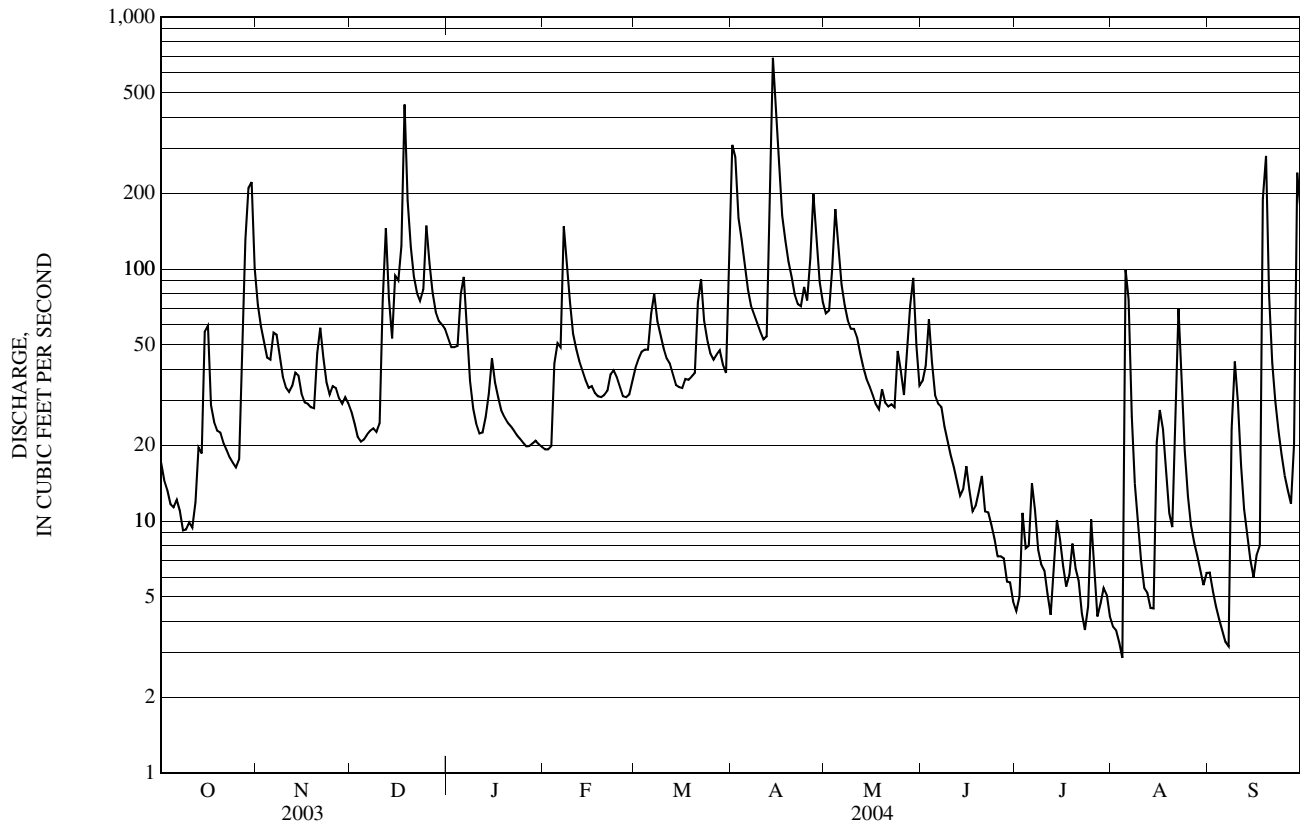
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	20.3	41.5	57.9	62.0	64.9	91.6	78.7	55.6	29.2	14.1	11.5	14.8
MAX	183	132	151	265	124	191	148	140	146	96.9	61.1	160
(WY)	(1956)	(1973)	(1973)	(1979)	(1951)	(1953)	(2004)	(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	20,011.3		17,675.4		45.1	
ANNUAL MEAN	54.8		48.3		72.0	
HIGHEST ANNUAL MEAN					22.0	
LOWEST ANNUAL MEAN					1,490	
HIGHEST DAILY MEAN	449	Dec 18	689	Apr 14	1,490	Oct 16, 1955
LOWEST DAILY MEAN	3.5	Sep 1	2.9	Aug 4	0.03	Oct 2, 1941
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 26	4.1	Jul 29	0.16	Sep 6, 1944
MAXIMUM PEAK FLOW			896	Apr 14	2,950	Sep 21, 1938
MAXIMUM PEAK STAGE			5.74	Apr 14	7.00	Sep 21, 1938
INSTANTANEOUS LOW FLOW			2.6	Aug 4	0.00	Sep 3, 1938
ANNUAL RUNOFF (CFSM)	2.46		2.17		2.02	
ANNUAL RUNOFF (INCHES)	33.38		29.49		27.48	
10 PERCENT EXCEEDS	125		96		101	
50 PERCENT EXCEEDS	36		32		29	
90 PERCENT EXCEEDS	11		6.3		3.4	



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.--Records good. Stage data in feet at 5-minute intervals available upon request.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.80 ft, Dec. 15; minimum, -2.59 ft, Feb. 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3.37	-0.52	2.92	0.53	2.40	-1.02	1.29	-0.99	1.67	-1.20	1.94	-0.66
2	3.14	-1.04	2.74	0.31	1.53	-1.53	2.58	-0.45	2.02	-0.88	2.24	-0.70
3	3.00	-0.77	2.84	0.25	2.15	-1.57	2.84	-0.33	3.26	-0.79	1.87	-1.29
4	3.05	-0.66	3.11	0.15	2.22	-1.07	2.88	-0.53	2.12	-1.39	2.17	-1.09
5	2.52	-0.79	3.30	0.08	2.88	-0.85	3.25	-0.08	1.32	-2.25	2.64	-0.84
6	2.37	-0.88	3.01	-0.32	4.70	0.99	2.43	-0.75	2.53	-1.49	3.05	-0.77
7	2.63	-0.83	3.05	-0.21	3.30	-0.42	2.04	-1.58	3.11	-1.11	2.70	-1.46
8	2.41	-1.11	2.42	-1.07	3.37	-0.34	1.46	-1.75	1.96	-2.59	3.52	-0.49
9	2.44	-1.26	2.20	-1.30	3.21	-0.65	2.32	-1.20	1.63	-2.09	3.52	-0.48
10	2.81	-0.89	2.44	-0.93	3.28	-0.30	2.37	-1.35	1.96	-1.29	3.15	-0.93
11	3.15	-0.56	2.92	-0.43	4.73	0.90	2.32	-1.25	2.53	-1.72	3.43	-0.52
12	3.33	-0.45	3.08	-0.23	1.88	-0.97	2.10	-1.13	1.90	-1.25	3.83	-1.56
13	2.72	-0.45	3.07	-1.82	1.68	-0.88	2.47	-2.00	2.21	-1.34	1.80	-2.01
14	3.04	-0.19	0.37	-2.31	3.94	-0.11	1.57	-1.33	2.01	-1.52	1.69	-1.45
15	3.87	-1.37	1.38	-1.40	4.80	-1.89	2.43	-2.16	2.55	-1.67	2.37	-1.41
16	1.97	-1.01	2.20	-0.54	1.57	-1.03	1.09	-2.10	2.56	-1.74	2.34	-1.27
17	2.39	-0.51	2.47	-0.44	4.08	-0.36	1.65	-1.97	2.38	-1.62	3.48	-0.25
18	2.56	-0.08	2.54	-0.34	1.88	-0.73	3.40	-0.93	2.96	-1.23	3.41	-0.54
19	2.61	-0.47	3.54	-0.30	2.76	-0.59	2.84	-1.48	3.35	-1.19	3.26	-0.76
20	2.37	-0.45	3.77	-0.59	3.74	0.16	2.42	-2.56	3.29	-1.42	3.10	-0.80
21	2.69	-0.62	3.20	-0.70	3.49	-0.27	2.75	-1.97	3.55	-0.72	2.98	-0.86
22	3.14	-0.59	3.66	-0.37	3.07	-0.70	3.45	-1.28	3.18	-1.25	2.07	-1.47
23	3.43	-0.65	4.07	-0.27	3.73	-0.65	2.63	-1.96	2.48	-0.96	2.04	-1.46
24	2.79	-1.50	4.26	-0.15	4.07	-0.38	---	---	2.52	-0.98	1.83	-1.70
25	3.22	-1.35	3.29	-0.77	3.78	-0.40	1.74	-2.22	2.46	-1.00	1.98	-1.58
26	3.43	-1.14	3.61	-0.70	2.01	-0.81	2.29	-1.28	2.19	-0.79	1.83	-1.39
27	3.84	-0.70	3.28	-0.72	3.12	-0.02	2.23	-0.81	1.93	-0.84	1.66	-0.94
28	3.64	-0.70	3.39	-0.24	2.84	0.20	3.30	-1.19	1.77	-0.76	2.14	-0.47
29	4.57	0.04	3.67	-2.10	2.69	-0.06	1.72	-1.74	1.97	-0.63	2.32	0.12
30	2.88	-0.09	1.25	-1.73	2.79	-0.68	0.95	-1.51	---	---	2.03	-0.34
31	2.87	0.35	---	---	1.58	-0.69	1.92	-1.13	---	---	2.58	0.03
MONTH	4.57	-1.50	4.26	-2.31	4.80	-1.89	3.45	-2.56	3.55	-2.59	3.83	-2.01

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

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 17	2330	116	3.33	Apr 13	2115	*263	*4.26
Apr 1	1600	106	3.25				

Minimum discharge, 0.29 ft³/s, on several days, gage height, 1.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	15	5.6	9.0	e3.1	8.5	94	14	6.8	0.47	0.51	0.47
2	3.9	12	5.1	8.5	e3.6	9.2	56	14	6.3	0.50	0.48	0.42
3	3.0	9.9	4.5	8.4	e6.1	9.2	32	17	5.0	0.47	0.46	0.38
4	2.5	8.3	4.1	9.1	11	9.0	25	30	4.1	0.47	0.38	0.34
5	2.2	8.0	4.2	18	15	8.9	20	19	3.5	0.93	6.2	0.34
6	1.9	11	4.9	16	19	18	16	15	3.2	1.9	3.5	0.34
7	1.6	12	4.9	11	57	17	15	13	3.3	0.97	1.4	0.31
8	1.5	8.7	4.7	8.3	32	13	14	11	3.0	0.65	0.71	36
9	1.4	7.1	4.4	e6.3	22	12	13	11	2.5	0.53	0.55	27
10	1.3	e6.9	4.8	e5.0	17	11	12	11	2.1	0.47	0.43	11
11	1.2	e6.9	18	e4.6	15	9.6	11	10	1.9	0.45	0.36	5.0
12	1.3	e7.5	20	e5.1	13	8.9	10	8.8	1.6	0.43	0.34	3.3
13	2.8	8.6	12	e5.9	12	8.1	111	7.9	1.3	0.82	0.38	2.5
14	2.0	7.0	8.8	e5.1	11	7.4	151	7.1	1.1	1.5	0.43	1.8
15	9.1	5.9	36	e4.6	10	7.4	55	7.2	1.4	0.92	5.8	1.4
16	6.5	5.4	22	e4.7	9.6	7.4	34	6.9	1.2	0.63	5.2	1.9
17	3.9	5.2	36	e5.0	8.2	7.9	25	6.2	1.0	0.49	4.4	1.9
18	4.5	5.1	68	e4.6	7.8	7.5	21	5.9	0.99	0.42	2.2	32
19	4.4	5.1	29	e4.2	7.9	8.0	19	5.9	1.0	0.41	1.5	21
20	4.3	18	20	e3.9	7.8	8.5	17	5.3	0.88	0.39	1.1	8.6
21	3.6	14	16	e3.7	8.3	26	15	4.9	0.73	0.34	5.4	5.3
22	3.4	9.6	14	e4.4	9.7	20	14	4.6	0.64	0.31	11	3.9
23	3.1	7.7	13	e4.9	9.7	13	14	4.7	0.71	0.29	3.8	3.0
24	2.8	6.9	17	e4.4	9.0	11	16	6.7	0.72	0.32	2.1	2.3
25	2.5	8.3	24	e3.8	8.3	10	13	5.6	0.62	0.44	1.4	2.0
26	2.7	7.4	17	e3.4	7.5	9.6	32	5.1	0.61	0.47	0.98	1.7
27	19	6.5	13	e3.1	7.2	9.6	47	12	0.53	0.42	0.75	1.5
28	30	6.3	12	e3.8	7.2	9.2	26	13	0.49	1.6	0.69	2.2
29	59	7.2	11	e3.2	8.0	8.1	18	12	0.52	1.7	0.61	43
30	36	6.2	11	e2.9	---	7.7	16	6.6	0.47	0.87	0.55	19
31	20	---	10	e3.5	---	46	---	5.1	---	0.61	0.50	---
TOTAL	246.7	253.7	475.0	188.4	363.0	366.7	962	306.5	58.21	21.19	64.11	239.90
MEAN	7.96	8.46	15.3	6.08	12.5	11.8	32.1	9.89	1.94	0.68	2.07	8.00
MAX	59	18	68	18	57	46	151	30	6.8	1.9	11	43
MIN	1.2	5.1	4.1	2.9	3.1	7.4	10	4.6	0.47	0.29	0.34	0.31
CFSM	1.40	1.49	2.70	1.07	2.20	2.08	5.65	1.74	0.34	0.12	0.36	1.41
IN.	1.62	1.66	3.11	1.23	2.38	2.40	6.30	2.01	0.38	0.14	0.42	1.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1982	4.95	24.0	0.30	(1991)
1983	9.79	26.7	0.84	(1984)
1984	13.5	36.8	1.77	(1984)
1985	13.2	25.2	3.55	(1982)
1986	13.8	29.3	3.51	(1984)
1987	17.7	37.7	8.57	(1994)
1988	17.9	38.9	6.16	(1983)
1989	11.4	21.3	3.55	(1989)
1990	9.45	57.1	1.11	(1982)
1991	2.26	13.4	0.30	(1984)
1992	2.91	12.5	0.14	(1992)
1993	2.43	8.00	0.19	(2004)
1994				(1997)

e Estimated

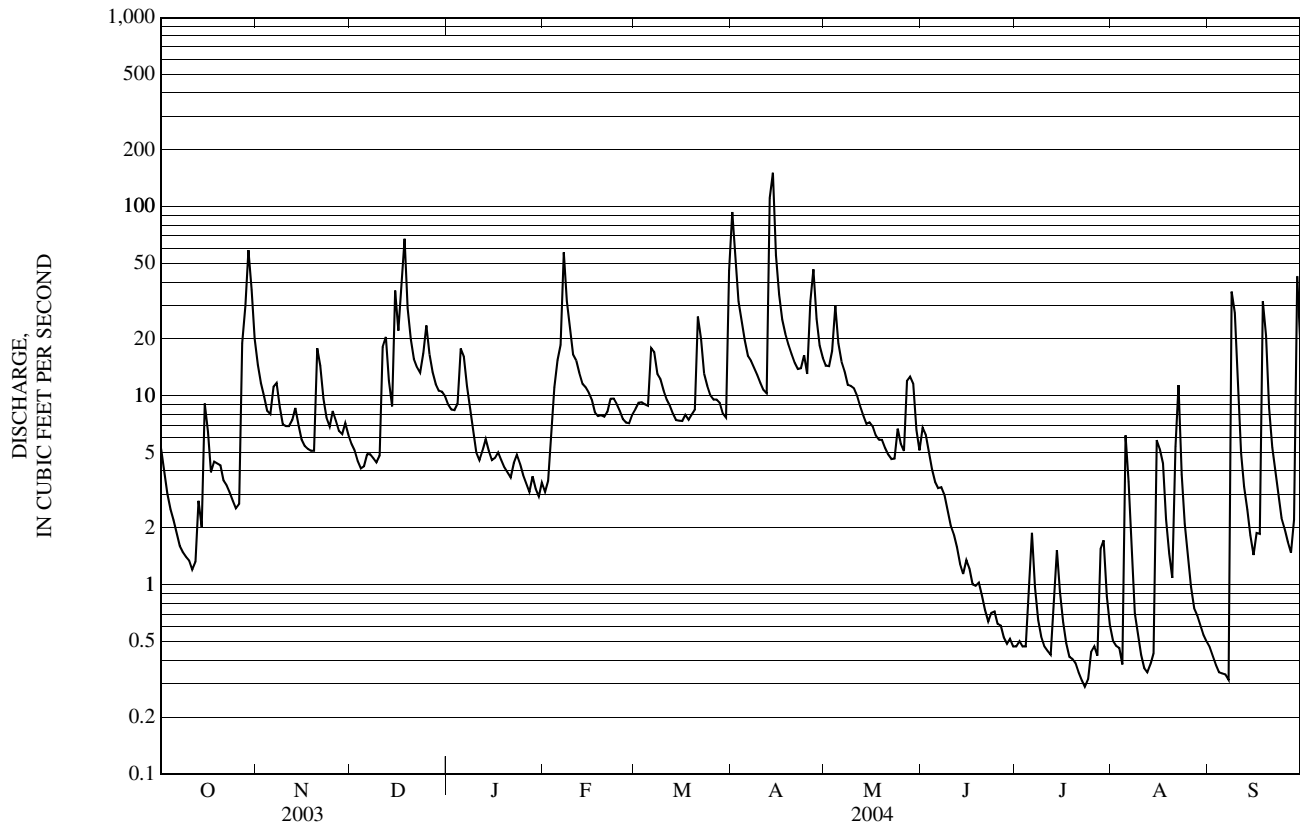
01195100 INDIAN RIVER NEAR CLINTON, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	4,156.43		3,545.41		9.70	
ANNUAL MEAN	11.4		9.69		16.8	
HIGHEST ANNUAL MEAN					4.65	
LOWEST ANNUAL MEAN					576	
HIGHEST DAILY MEAN	82	Jan 2	151	Apr 14	576	Jun 6, 1982
LOWEST DAILY MEAN	0.29	Aug 31	0.29	Jul 23	0.00	Jul 22, 1991
ANNUAL SEVEN-DAY MINIMUM	0.36	Aug 26	0.35	Jul 18	0.02	Aug 9, 1993
MAXIMUM PEAK FLOW			263	Apr 13	a 2,600	Jun 6, 1982
MAXIMUM PEAK STAGE			4.26	Apr 13	b 8.29	Jun 6, 1982
INSTANTANEOUS LOW FLOW			0.29	Jul 22	c 0.00	Jul 22, 1991
ANNUAL RUNOFF (CFSM)	2.00		1.71		1.71	
ANNUAL RUNOFF (INCHES)	27.22		23.22		23.20	
10 PERCENT EXCEEDS	25		20		22	
50 PERCENT EXCEEDS	7.4		6.1		5.7	
90 PERCENT EXCEEDS	1.3		0.51		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)
Oct 29	1845	327	6.42	Apr 14	0545	*566	*7.93
Dec 18	0415	322	6.38	Sep 18	2000	403	6.97
Apr 1	2245	247	5.78				

Minimum discharge, 6.4 ft³/s, Sept. 7, gage height, 2.68 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	50	33	36	e22	24	192	39	51	11	10	8.6
2	26	43	30	34	e23	30	169	37	39	9.9	9.2	7.8
3	22	38	27	36	e37	35	78	42	28	9.2	8.2	7.5
4	20	36	25	38	e55	33	61	86	24	9.0	7.7	7.1
5	19	40	25	79	e38	31	56	48	23	37	22	6.9
6	18	63	26	61	e50	48	46	40	22	61	12	6.8
7	17	45	27	41	e120	43	41	36	21	18	9.0	6.6
8	16	37	26	e37	e50	32	39	32	20	12	7.9	18
9	15	32	24	e33	e30	32	36	32	19	11	7.5	60
10	14	30	24	e30	e27	32	33	31	20	10	7.3	26
11	14	30	72	e29	e27	29	31	31	18	9.4	8.3	12
12	19	29	105	e29	e23	27	30	28	16	9.1	9.6	10
13	27	30	47	e29	e22	24	157	26	15	16	8.1	8.9
14	16	27	36	e28	e22	22	449	25	16	15	7.9	8.2
15	77	25	60	e28	e21	22	141	24	17	11	25	7.9
16	46	24	53	e28	e20	22	84	28	15	9.4	18	7.8
17	24	24	103	e27	e19	24	66	24	14	12	13	7.6
18	e25	23	259	e27	e18	24	58	23	20	14	9.8	211
19	e25	26	95	e27	e18	24	52	53	22	33	8.7	189
20	e24	120	63	e26	e18	26	48	27	14	15	12	33
21	23	60	52	e25	19	43	43	28	12	11	64	22
22	25	38	46	e24	21	38	43	23	12	9.2	102	19
23	22	33	45	e24	e22	28	51	29	12	13	20	17
24	20	30	77	e24	e21	26	49	111	12	31	14	15
25	19	34	131	e24	19	25	39	40	11	14	12	14
26	19	31	64	e23	19	25	82	29	11	10	11	13
27	44	28	51	e23	19	26	107	62	10	11	10	12
28	117	31	45	e23	19	24	59	59	10	29	9.8	36
29	202	76	42	e23	22	22	46	53	16	15	9.1	129
30	196	43	41	e22	---	22	41	32	12	11	9.4	52
31	66	---	39	e22	---	85	---	27	---	9.5	10	---
TOTAL	1,248	1,176	1,793	960	841	948	2,427	1,205	552	495.7	492.5	979.7
MEAN	40.3	39.2	57.8	31.0	29.0	30.6	80.9	38.9	18.4	16.0	15.9	32.7
MAX	202	120	259	79	120	85	449	111	51	61	102	211
MIN	14	23	24	22	18	22	30	23	10	9.0	7.3	6.6
CFSM	2.31	2.25	3.32	1.78	1.67	1.76	4.65	2.23	1.06	0.92	0.91	1.88
IN.	2.67	2.51	3.83	2.05	1.80	2.03	5.19	2.58	1.18	1.06	1.05	2.09

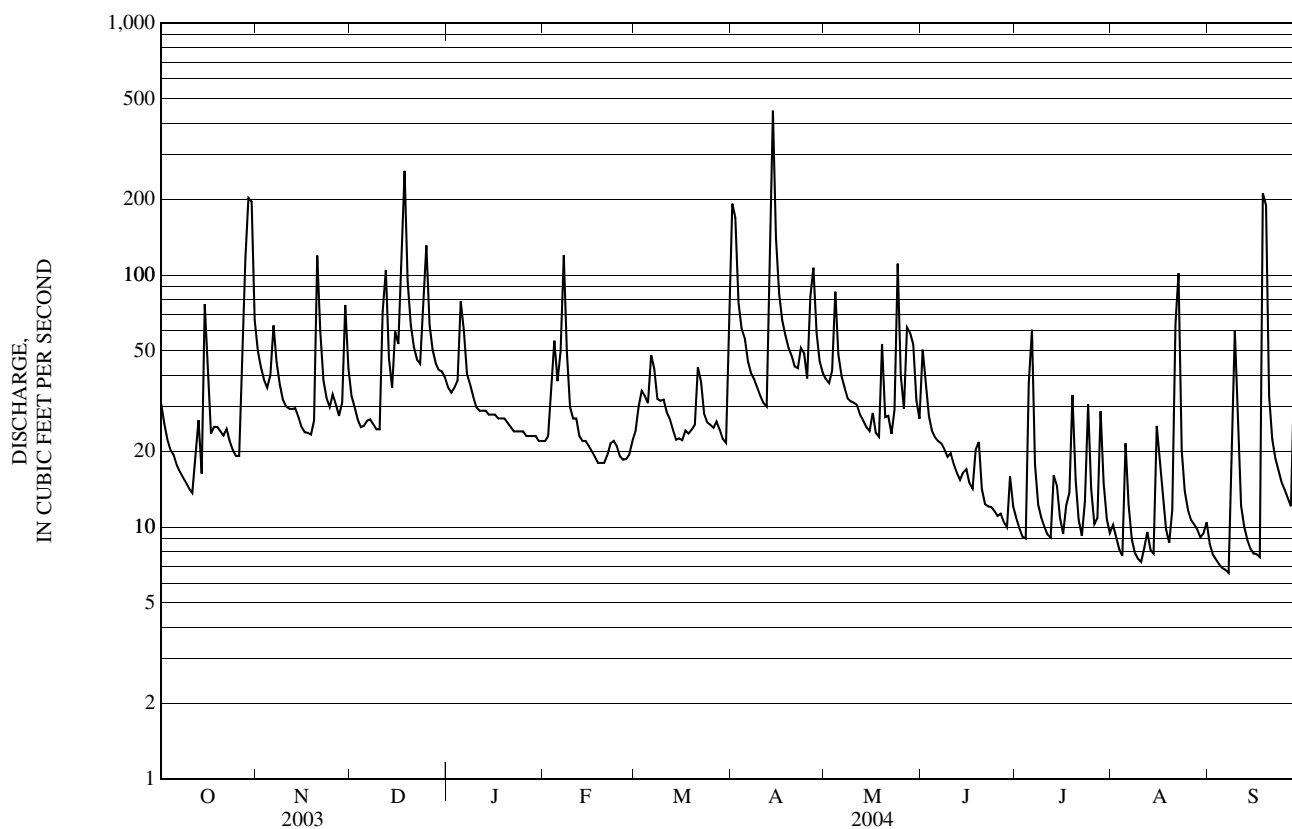
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	MEAN	26.5	31.5	32.8	35.1	34.3	49.9	46.6	40.8	32.0	19.5	20.4	20.6
MAX		89.9	57.8	80.0	64.7	51.3	84.8	80.9	109	68.5	30.1	55.0	55.2
(WY)		(1990)	(1990)	(1997)	(1996)	(1990)	(1994)	(2004)	(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	15,746		13,117.9		33.0	
ANNUAL MEAN	43.1		35.8		42.5	
HIGHEST ANNUAL MEAN					13.1	
LOWEST ANNUAL MEAN					13.1	
HIGHEST DAILY MEAN	259	Dec 18	449	Apr 14	810	Oct 21, 1989
LOWEST DAILY MEAN	11	Aug 28	6.6	Sep 7	3.0	Aug 19, 2002
ANNUAL SEVEN-DAY MINIMUM	12	Aug 25	7.3	Sep 1	3.6	Aug 13, 2002
MAXIMUM PEAK FLOW			566	Apr 14	830	Sep 17, 1999
MAXIMUM PEAK STAGE			7.93	Apr 14	10.00	Sep 17, 1999
INSTANTANEOUS LOW FLOW			6.4	Sep 7	2.8	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	2.48		2.06		1.90	
ANNUAL RUNOFF (INCHES)	33.66		28.05		25.75	
10 PERCENT EXCEEDS	81		63		62	
50 PERCENT EXCEEDS	31		26		23	
90 PERCENT EXCEEDS	16		10		8.2	



01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT

LOCATION.--Lat 41°31'45", long 72°51'50", New Haven County, Hydrologic Unit 01100004, at bridge on Cheshire St., 3 mi west of Meriden, and 1.7 mi upstream from Hanover Pond.

DRAINAGE AREA.--69.6 mi².

PERIOD OF RECORD.--Water year 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, 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 16...	1230	293	5.9	8.4	78	7.1	203	15.5	12.0	64	19.8	3.47	2.52
DEC 16...	1330	326	3.9	13.4	95	7.5	337	6.0	1.5	78	24.7	3.97	1.82
FEB 11...	1300	173	4.6	13.6	101	7.5	363	3.0	4.5	91	28.9	4.58	2.28
APR 08...	1230	199	2.5	13.4	116	7.9	278	14.0	9.0	88	27.8	4.50	1.88
JUN 21...	1340	71	2.8	8.4	88	7.7	350	24.5	17.5	110	36.1	4.97	2.83
JUL 06...	1315	179	10	7.6	84	7.5	223	25.0	20.5	65	20.7	3.12	1.95
AUG 05...	1245	78	3.9	7.7	87	7.7	356	22.0	20.5	110	36.0	4.96	3.25
SEP 20...	1300	158	6.6	9.4	91	7.3	195	19.0	14.5	58	18.3	3.02	2.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 16...	13.6	48	59	.0	24.8	<.2	10.6	8.3	136	125	.26	.49	<.04
DEC 16...	34.5	48	59	.0	56.8	<.2	10.8	10.9	176	181	.26	.32	.05
FEB 11...	36.2	54	65	.0	59.2	<.2	11.2	12.6	217	210	.36	.48	.15
APR 08...	21.9	54	66	.0	34.5	<.2	10.3	11.1	166	158	.42	.33	<.04
JUN 21...	22.5	74	90	.0	38.7	<.2	14.6	14.8	216	211	.30	.51	E.04n
JUL 06...	15.2	44	54	.0	27.1	<.2	9.36	12.0	150	137	.35	.57	E.04n
AUG 05...	23.5	72	88	.0	39.2	<.2	13.8	18.1	216	236	.32	.40	<.04
SEP 20...	13.2	42	51	.0	22.1	<.2	10.2	10.5	140	130	.38	.47	E.02n

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 16...	1.05	.008	--	.08	.106	.141	1.5	8.5	3,900	8,500k	19	<.20	59
DEC 16...	1.57	E.005n	.27	.09	.096	.124	1.9	3.1	680	300	11	<.20	63
FEB 11...	2.48	.027	.34	.15	.176	.21oc	3.0	3.0	88	110	9	<.20	88
APR 08...	2.11	.012	--	.12	.142	.173	2.4	3.4	48	170	11	<.20	74
JUN 21...	4.33	.015	--	.48	.48oc	.51oc	4.8	4.1	280	390	7	<.20	101
JUL 06...	1.77	.011	--	.15	.175	.23oc	2.3	5.9	6,100	6,300k	7	E.18n	67
AUG 05...	4.58	.011	--	.49	.50oc	.55oc	5.0	3.8	460	1,000	7	E.10n	97
SEP 20...	1.54	E.004n	--	.13	.162	.194	2.0	6.1	1,700k	4,900	13	E.12n	63

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	<.06	.10	<.8	.125	3.7	182	.18	44.4	E.4n	1.40	<.2	5.0	.08
DEC 16...	<.06	.10	<.8	.144	2.5	98	.12	56.1	<.4	1.24	<.2	6.3	.12
FEB 11...	<.06	.13	<.8	.166	1.9	75	.11	137	E.2n	1.07	<.2	7.0	.21
APR 08...	<.06	.08	E.5n	.159	1.7	80	.08	66.1	E.3n	1.70	<.2	4.4	.22
JUN 21...	<.06	.08	E.5n	.180	2.8	126	.09	48.2	.5	1.07	<.2	6.6	.26
JUL 06...	<.06	.08	E.4n	.112	2.8	54	.13	28.1	.5	.64	<.2	3.4	.07
AUG 05...	<.06	.09	E.6n	.180	3.1	35	E.08n	70.1	.5	1.09	<.2	6.9	.23
SEP 20...	<.06	.15	E.5n	.137	3.3	79	.13	58.4	E.3n	1.29	<.2	5.8	.08

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

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 Quininiac 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. The natural flow of the Quinnipiac River has been altered by numerous flow diversions. 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 Elmore 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)
Oct 12	1730	1,120	6.58	Apr 1	1400	1,350	7.17
Oct 29	1430	2,020	8.55	Apr 14	0300	*2,640	*9.58
Dec 11	1730	976	6.19	Apr 27	0500	1,120	6.69
Dec 17	2200	2,270	8.99	Sep 18	1445	2,500	9.35
Dec 24	1930	993	6.24				

Minimum discharge, 55 ft³/s, Sept. 5, 6, 7, gage height, 1.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

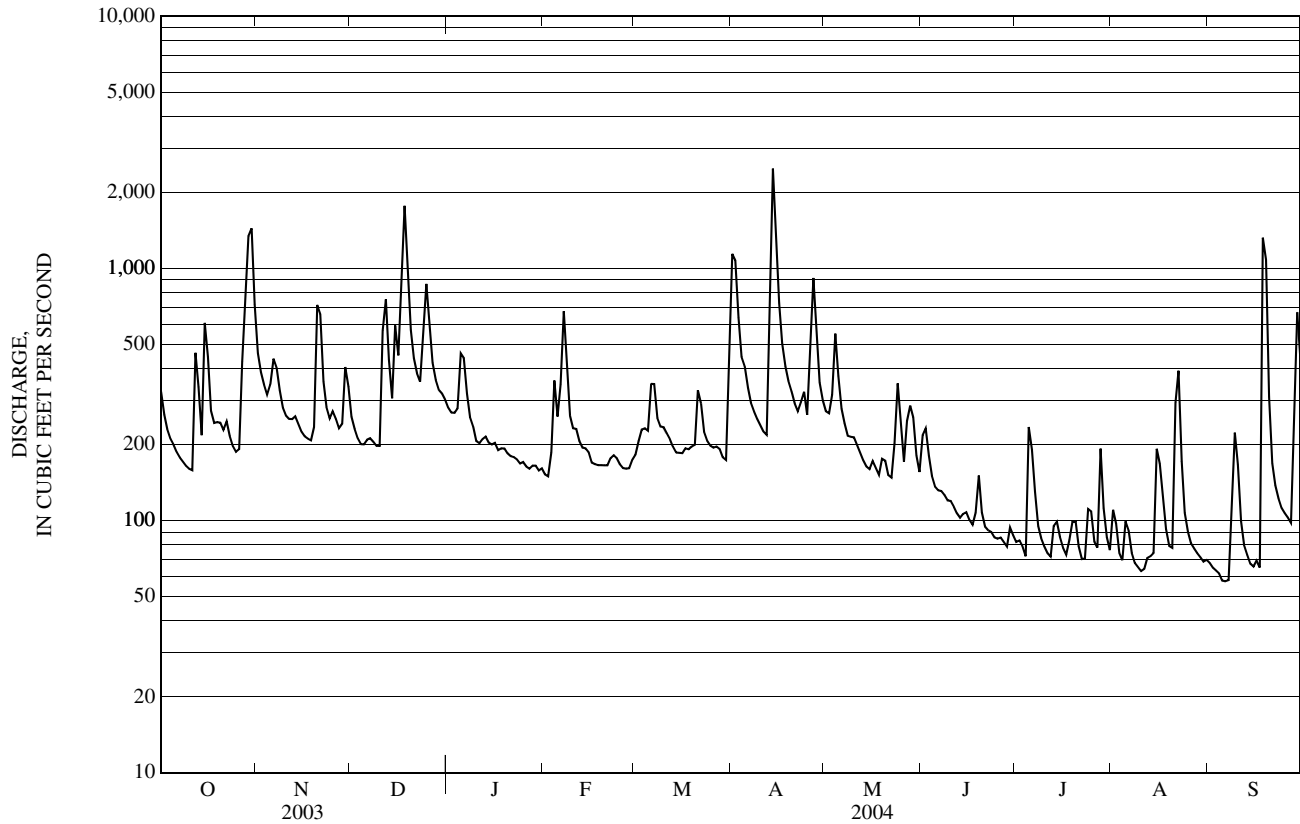
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	462	258	280	153	183	1,140	271	218	82	110	68
2	263	389	231	268	150	207	1,080	267	232	83	97	65
3	230	346	212	268	186	230	639	315	181	79	75	63
4	211	316	201	279	359	232	446	551	150	72	70	62
5	200	347	200	461	259	227	409	374	136	235	99	58
6	187	439	209	442	347	349	337	278	132	191	92	57
7	178	404	212	318	677	348	293	243	131	130	74	58
8	171	328	206	257	405	255	270	217	126	95	68	105
9	165	281	198	236	260	236	253	215	120	85	65	223
10	160	261	198	207	232	235	238	214	120	79	63	167
11	158	253	567	203	231	222	225	200	113	74	64	99
12	463	253	754	210	207	210	219	186	107	72	71	80
13	339	259	435	215	195	197	903	173	103	95	72	73
14	218	241	306	204	193	186	2,490	164	106	99	74	67
15	608	225	594	200	186	186	1,520	160	108	86	193	66
16	446	216	452	203	170	185	729	172	101	78	168	69
17	273	212	961	190	167	193	504	162	96	73	123	65
18	244	208	1,770	194	166	192	410	152	107	84	92	1,320
19	246	235	990	193	166	197	358	176	151	99	79	1,080
20	244	717	570	185	166	200	325	173	108	99	78	310
21	229	660	441	180	166	329	292	152	95	79	293	169
22	247	356	384	179	177	291	272	148	92	70	393	138
23	217	281	356	175	182	225	294	202	90	71	172	122
24	197	254	570	168	177	207	324	350	86	111	107	112
25	187	271	869	170	167	198	262	239	85	109	90	107
26	192	253	598	164	162	195	495	171	86	83	81	103
27	427	232	422	161	161	197	917	248	82	78	77	98
28	725	242	361	165	161	192	533	286	79	193	74	207
29	1,340	406	330	165	175	178	353	257	94	112	72	670
30	1,440	340	319	158	---	174	299	181	87	86	69	443
31	720	---	303	161	---	460	---	156	---	76	70	---
TOTAL	11,250	9,687	14,477	6,859	6,403	7,116	16,829	7,053	3,522	3,058	3,325	6,324
MEAN	363	323	467	221	221	230	561	228	117	98.6	107	211
MAX	1,440	717	1,770	461	677	460	2,490	551	232	235	393	1,320
MIN	158	208	198	158	150	174	219	148	79	70	63	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	135	188	232	257	269	382	357	247	190	117	110	117
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	116,252		95,903		216	
ANNUAL MEAN	318		262		84.6	
HIGHEST ANNUAL MEAN					357	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1,770	Dec 18	2,490	Apr 14	7,210	Jun 6, 1982
LOWEST DAILY MEAN	92	Aug 31	57	Sep 6	9.0	Nov 2, 1930
ANNUAL SEVEN-DAY MINIMUM	98	Aug 26	62	Sep 1	16	Aug 28, 1966
MAXIMUM PEAK FLOW			2,640	Apr 14	8,200	Jun 6, 1982
MAXIMUM PEAK STAGE			9.58	Apr 14	14.02	Jun 6, 1982
INSTANTANEOUS LOW FLOW			55	Sep 5	8.0	Nov 2, 1930
10 PERCENT EXCEEDS	602		460		420	
50 PERCENT EXCEEDS	239		198		150	
90 PERCENT EXCEEDS	129		78		61	



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 2003 TO SEPTEMBER 2004

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, 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 16...	0915	475	16	9.3	89	7.1	208	13.5	13.0	65	19.9	3.61	2.41
DEC 16...	1045	450	7.5	13.3	95	7.4	439	4.5	2.0	86	26.8	4.69	1.97
FEB 11...	1030	227	3.6	11.1	87	7.5	381	4.0	3.0	95	29.5	5.25	2.40
APR 08...	0945	272	3.1	12.0	103	7.7	315	14.0	8.0	98	30.0	5.61	1.78
JUN 21...	0945	93	3.4	8.3	89	7.7	356	23.5	19.0	110	34.2	5.49	3.02
JUL 06...	1100	187	14	8.0	91	7.6	286	26.0	21.5	86	27.3	4.35	2.48
AUG 05...	0945	97	8.2	7.4	85	7.7	316	18.5	22.0	93	29.2	4.84	3.04
SEP 20...	1100	283	13	9.8	95	7.3	183	16.5	15.0	59	18.6	3.14	2.12

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 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 16...	13.5	49	60	.0	24.2	<.2	10.2	8.5	144	123	.37	.61	<.04
DEC 16...	51.2	55	67	.0	82.3	<.2	10.8	11.4	241	229	.44	.53	.17
FEB 11...	37.2	61	74	.0	62.6	<.2	10.8	13.4	222	222	.40	.58	.17
APR 08...	24.8	65	79	.0	40.1	<.2	9.55	12.3	185	180	.30	.40	.04
JUN 21...	26.4	74	90	.0	42.5	.2	13.2	17.0	228	227	.37	.47	.06
JUL 06...	18.7	61	74	.0	33.5	<.2	9.96	13.3	193	166	.35	.56	.06
AUG 05...	21.3	68	83	.0	36.8	.2	9.14	14.8	188	191	.33	.63	<.04
SEP 20...	13.9	38	46	.0	20.3	<.2	9.71	9.2	117	116	.54	.78	.17

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 16...	1.13	.017	--	.06	.086	.163	1.7	7.1	17,000k	16,000k	12	E.13n	61
DEC 16...	1.44	.015	.36	.09	.101	.149	2.0	4.1	7,800	10,000k	9	<.20	73
FEB 11...	2.40	.031	.41	.12	.143	.194	3.0	2.6	100	240	8	E.12n	93
APR 08...	1.97	.044	.36	.12	.155	.188	2.4	4.3	130	280k	8	<.20	81
JUN 21...	3.06	.044	.41	.17	.186	.22oc	3.5	4.2	220	420	7	.20	98
JUL 06...	2.33	.027	.50	.16	.187	.26oc	2.9	4.9	4,100	4,500	8	E.20n	77
AUG 05...	2.59	.024	--	.15	.188	.28oc	3.2	5.5	220	4,700	7	.27	79
SEP 20...	1.04	.064	.61	.08	.107	.199	1.8	6.7	32,000k	33,000k	12	E.18n	58

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	<.06	.05	<.8	.147	4.0	134	.20	32.1	.7	1.52	<.2	4.1	.09
DEC 16...	<.06	.08	<.8	.170	2.9	96	.15	68.0	E.4n	1.44	<.2	7.9	.14
FEB 11...	<.06	.12	<.8	.217	2.5	71	.12	131	.7	1.86	<.2	7.5	.23
APR 08...	<.06	.05	<.8	.256	2.1	73	.26	86.2	1.1	2.42	<.2	4.9	.25
JUN 21...	<.06	.06	<.8	.491	3.1	76	.16	65.9	2.6	3.04	<.2	4.6	.20
JUL 06...	<.06	.05	E.5n	.189	3.3	25	.13	31.8	1.9	1.43	<.2	3.3	.18
AUG 05...	<.06	.06	<.8	.394	3.4	19	.08	41.5	3.2	2.67	<.2	3.8	.19
SEP 20...	<.06	.08	<.8	.169	4.9	80	.17	54.1	.8	1.92	<.2	5.4	.07

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

o -- Result determined by alternate method

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 2003 TO SEPTEMBER 2004

Date	Time	Turbidity, NTU (00076)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	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, 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 16...	0730	21	8.6	83	7.5	220	11.5	13.5	69	21.4	3.76	2.55	14.6
DEC 16...	0930	9.7	13.0	93	7.2	415	5.0	2.0	84	26.1	4.46	2.10	47.3
FEB 11...	0845	4.1	12.3	91	7.5	385	2.0	3.0	93	28.6	5.14	2.63	38.7
APR 08...	0730	3.8	10.3	90	7.5	315	10.5	8.0	95	29.4	5.27	2.17	26.5
JUN 21...	0745	7.6	6.8	72	7.6	371	22.0	18.5	110	34.3	5.59	3.18	28.3
JUL 06...	0845	24	6.9	101	7.6	320	24.0	21.5	93	29.2	4.86	2.78	22.6
AUG 05...	0815	19	6.6	77	7.6	327	18.0	22.5	94	29.3	5.00	3.54	23.6
SEP 20...	0830	23	8.8	85	7.2	172	14.0	15.0	57	17.8	2.96	2.28	14.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 unf 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 16...	52	63	.0	23.7	<.2	9.95	9.6	160	126	.75	.99	E.02n	1.69
DEC 16...	56	68	.0	74.9	<.2	10.7	11.6	237	217	.78	.90	.18	1.71
FEB 11...	60	73	.0	61.4	<.2	10.8	14.0	222	222	1.3	1.7	.42	2.58
APR 08...	62	76	.0	39.8	<.2	10.1	13.2	204	191	1.1	1.2	.08	2.30
JUN 21...	77	94	.0	43.8	.2	12.9	18.4	244	238	2.2	2.7	.06	3.15
JUL 06...	67	82	.0	37.4	<.2	10.3	15.8	249	189	.86	1.4	.08	2.64
AUG 05...	65	79	.0	36.9	.2	8.84	17.2	230	205	.78	1.4	.07	3.58
SEP 20...	41	50	.0	18.7	<.2	9.17	9.1	129	110	.81	1.0	.10	1.22

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)	Alum- inum, water, ftrd, ug/L (01106)	Anti- mony, water, ftrd, ug/L (01095)	Barium, water, ftrd, ug/L (01005)	Beryll- ium, water, ftrd, ug/L (01010)
OCT 16...	.021	--	.12	.142	.24oc	2.7	6.6	12,000	17,000k	9	E.15n	62	<.06
DEC 16...	.016	.72	.12	.133	.193	2.6	4.7	10,000k	15,000k	9	<.20	70	<.06
FEB 11...	.040	1.2	.20	.24	.31oc	4.2	4.7	980	2,400	7	E.15n	90	<.06
APR 08...	.047	1.2	.15	.177	.22oc	3.5	4.9	420	880	7	E.12n	81	<.06
JUN 21...	.040	2.6	.22	.25oc	.34oc	5.8	6.3	220	590	6	.23	94	<.06
JUL 06...	.029	1.4	.23	.25oc	.42oc	4.1	6.6	2,200	3,900	9	.27	80	<.06
AUG 05...	.040	1.3	.39	.40oc	.61oc	5.0	7.4	1,600	4,100	8	.24	72	<.06
SEP 20...	.027	.92	.09	.118	.20oc	2.3	8.1	20,000k	23,000k	14	.24	54	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cadmium water, ftrd, ug/L (01025)	Chrom- ium, water, ftrd, ug/L (01030)	Cobalt water, ftrd, ug/L (01035)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Lead, water, ftrd, ug/L (01049)	Mangan- ese, water, ftrd, ug/L (01056)	Molyb- denum, water, ftrd, ug/L (01060)	Nickel, water, ftrd, ug/L (01065)	Silver, water, ftrd, ug/L (01075)	Zinc, water, ftrd, ug/L (01090)	Uranium natural water, ftrd, ug/L (22703)
OCT 16...	.06	<.8	.172	4.6	110	.19	37.9	1.7	1.98	<.2	4.1	.09
DEC 16...	.07	<.8	.180	3.3	92	.17	55.5	.8	1.36	<.2	7.2	.13
FEB 11...	.11	<.8	.233	2.8	86	.13	106	1.3	2.13	<.2	7.3	.20
APR 08...	.07	E.4n	.276	2.5	91	.28	78.7	1.9	2.75	<.2	6.0	.20
JUN 21...	.06	<.8	.425	3.5	59	.14	68.4	3.9	3.28	<.2	5.3	.23
JUL 06...	.07	E.7n	.268	4.0	54	.25	45.8	3.2	2.31	<.2	4.1	.23
AUG 05...	.09	<.8	.358	3.9	23	.09	60.1	4.3	3.63	<.2	4.9	.18
SEP 20...	.10	E.6n	.182	6.3	113	.26	75.7	1.0	2.40	<.2	5.8	.06

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 17	2345	691	3.22	Sep 18	1530	685	3.21
Apr 14	0130	*1,130	*3.98				

Minimum discharge, 3.7 ft³/s, Sep. 3-8, gage height, 1.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	e74	55	70	e29	42	267	73	49	9.3	8.0	4.6
2	37	e62	51	67	e29	49	190	74	40	14	7.4	4.2
3	32	e50	47	67	e50	52	113	89	38	13	6.2	4.0
4	30	e48	45	68	e79	49	96	147	29	9.3	5.7	4.0
5	28	75	46	107	e58	44	89	88	26	52	12	3.7
6	26	83	49	88	e90	83	70	75	26	24	6.7	3.8
7	e25	74	49	e55	e160	72	65	71	27	14	5.6	3.8
8	e25	63	46	e49	e80	55	60	65	23	11	5.2	14
9	e25	55	46	e45	e53	52	57	64	21	9.7	4.8	39
10	e25	52	46	e42	e50	50	53	64	21	8.7	4.6	16
11	e25	52	149	e42	e49	46	51	61	20	7.8	4.7	8.2
12	e88	53	137	e42	e43	43	50	56	18	8.0	5.8	6.4
13	e70	54	77	e42	e41	39	331	51	17	16	6.0	5.5
14	e50	48	67	e41	e40	36	721	47	18	12	6.9	4.8
15	e116	45	152	e40	e38	37	288	47	18	11	29	4.7
16	e63	44	100	e40	e37	36	177	48	16	8.6	41	5.6
17	e50	43	267	e39	e36	39	136	43	15	7.9	23	4.8
18	e45	42	426	e37	e36	37	113	41	16	8.1	11	360
19	e45	59	167	e36	e35	38	98	40	19	14	8.5	161
20	e43	192	119	e35	e35	39	88	36	15	9.2	7.3	44
21	e43	97	99	e34	e36	88	77	36	13	7.6	49	26
22	e43	72	92	e32	e37	63	73	34	13	6.7	46	19
23	e42	63	88	e32	e38	46	85	38	13	7.5	16	15
24	e40	59	151	e32	e36	43	87	55	12	12	10	13
25	e37	66	193	e31	e35	42	67	39	12	8.1	7.9	12
26	e35	57	110	e31	e34	41	133	34	13	6.7	7.1	11
27	e101	53	94	e30	e34	42	234	48	11	7.8	6.2	10
28	e199	58	85	e30	e34	39	115	56	10	37	6.1	34
29	e355	88	80	e29	38	36	91	51	13	14	5.5	163
30	e229	63	79	e29	---	35	80	34	11	9.0	5.1	57
31	e144	---	75	e29	---	135	---	30	---	7.8	5.3	---
TOTAL	2,159	1,944	3,287	1,391	1,390	1,548	4,155	1,735	593	391.8	373.6	1,062.1
MEAN	69.6	64.8	106	44.9	47.9	49.9	138	56.0	19.8	12.6	12.1	35.4
MAX	355	192	426	107	160	135	721	147	49	52	49	360
MIN	25	42	45	29	29	35	50	30	10	6.7	4.6	3.7
CFSM	2.84	2.64	4.33	1.83	1.96	2.04	5.65	2.28	0.81	0.52	0.49	1.45
IN.	3.28	2.95	4.99	2.11	2.11	2.35	6.31	2.63	0.90	0.59	0.57	1.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	24.6	39.1	56.5	58.3	59.1	86.3	91.4	58.7	54.1	19.0	18.4	15.3
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

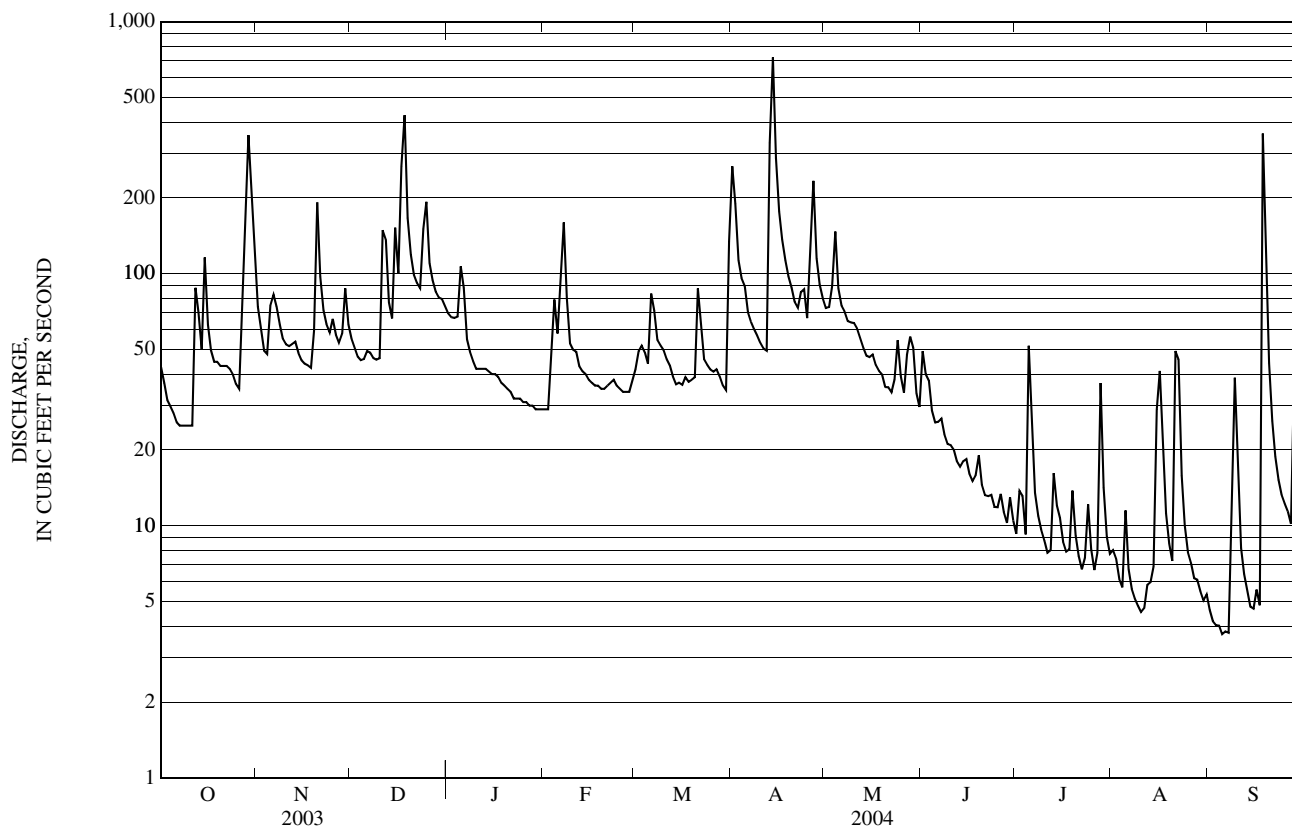
01196620 MILL RIVER NEAR HAMDEN, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	23,548.7		20,029.5		48.3	
ANNUAL MEAN	64.5		54.7		85.1	
HIGHEST ANNUAL MEAN					17.3	
LOWEST ANNUAL MEAN					4,300	
HIGHEST DAILY MEAN	499	Mar 21	721	Apr 14		Jun 6, 1982
LOWEST DAILY MEAN	4.1	Feb 20	3.7	Sep 5	0.15	Sep 12, 1995
ANNUAL SEVEN-DAY MINIMUM	5.2	Feb 15	4.0	Sep 1	0.21	Sep 6, 1995
MAXIMUM PEAK FLOW			1,130	Apr 14	a 5,580	Jun 6, 1982
MAXIMUM PEAK STAGE			3.98	Apr 14	b 9.53	Jun 6, 1982
INSTANTANEOUS LOW FLOW			3.7	Sep 3	c 0.15	Sep 12, 1995
ANNUAL RUNOFF (CFSM)	2.63		2.23		1.97	
ANNUAL RUNOFF (INCHES)	35.76		30.41		26.79	
10 PERCENT EXCEEDS	137		100		98	
50 PERCENT EXCEEDS	48		41		29	
90 PERCENT EXCEEDS	15		7.7		6.4	

a From contracted-opening measurement 0.7 mi downstream.

b From floodmarks.

c Also occurred Sep. 13, 1995.



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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 17...	0930	875	3.3	12.6	96	7.9	340	5.0	3.5	130	35.0	11.0	1.39
JAN 12...	1100	1,240	3.1	13.9	98	7.9	385	-2.0	.0	140	37.3	11.7	1.27
MAR 08...	1345	1,790	14	13.3	99	7.6	274	4.0	2.0	90	23.7	7.59	1.23
MAY 20...	1145	666	2.7	8.7	96	8.0	369	23.5	19.0	140	36.3	11.5	1.24
JUN 08...	0930	795	6.0	8.1	87	8.0	330	27.0	18.0	130	34.0	10.9	1.02
JUL 27...	0900	269	3.0	6.9	82	8.1	436	22.5	23.0	160	39.4	13.8	2.02
AUG 24...	1100	1,250	11	8.1	91	7.7	261	22.5	20.0	100	27.9	7.94	1.33
SEP 27...	1000	826	6.5	8.5	90	8.0	338	19.0	17.5	130	32.6	10.9	1.19

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat fltrd, inc tit field, mg/L (00453)	Carbonate, wat fltrd, inc tit 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 17...	17.1	116	142	.0	30.4	<.2	4.84	8.9	192	186	.24	.29	.05
JAN 12...	21.6	123	150	.0	35.6	<.2	5.09	11.1	211	205	.28	.34	.07
MAR 08...	18.6	78	94	.0	31.1	<.2	4.23	8.0	190	151	.30	.39	.07
MAY 20...	21.6	121	148	.0	36.5	<.2	2.36	7.8	216	196	.26	.47	E.02n
JUN 08...	18.8	107	131	.0	30.8	<.2	3.38	7.9	181	173	.36	.46	.06
JUL 27...	28.4	134	163	.0	44.1	<.2	3.93	12.9	252	237	.30	.34	.04
AUG 24...	13.5	88	107	.0	22.0	<.2	5.21	6.1	174	136	.34	.51	E.03n
SEP 27...	18.8	112	137	.0	28.5	<.2	5.20	7.3	209	186	.27	.34	E.02n

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 17...	.49	E.004n	.24	<.02	.014	.030	.78	3.6	63	80	10	<.20	12
JAN 12...	.69	E.006n	.27	E.01n	.015	.030	1.0	2.5	80	84	9	<.20	13
MAR 08...	.53	E.007n	.32	<.02	.018	.079	.92	4.1	50	40k	12	<.20	9
MAY 20...	.40	.010	--	<.02	.021	.032	.88	4.8	39	82	12	<.20	14
JUN 08...	.39	.012	.40	<.02	.019	.047	.85	4.2	62	57k	13	<.20	12
JUL 27...	1.05	.014	.30	.02	.040	.060	1.4	4.8	79	68k	14	E.17n	17
AUG 24...	.21	<.008	--	E.01n	.028	.082	.73	6.7	110	253	11	<.20	11
SEP 27...	.41	E.004n	--	<.02	.018	.049	.74	3.6	67	48k	11	<.20	13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 17...	<.06	<.04	<.8	.132	E.3n	56	<.08	44.0	<.4	.55	<.2	E.6n	.39
JAN 12...	<.06	<.04	<.8	.194	.9	47	<.08	41.3	E.3n	1.08	<.2	1.2	.45
MAR 08...	<.06	<.04	<.8	.122	.7	56	.08	41.4	<.4	.66	<.2	1.0	.25
MAY 20...	<.06	<.04	<.8	.218	1.1	44	E.06n	26.6	.5	1.22	<.2	.8	.41
JUN 08...	<.06	<.04	<.8	.182	.9	72	.11	28.5	E.4n	1.01	<.2	.7	.33
JUL 27...	<.06	.05	<.8	.245	1.6	26	.11	24.1	.8	1.05	<.2	1.5	.45
AUG 24...	<.06	<.04	<.8	.154	1.0	58	.10	16.4	E.3n	.91	<.2	E.6n	.22
SEP 27...	<.06	<.04	<.8	.182	1.0	38	E.05n	41.8	.4	.70	<.2	.6	.36

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 numerous days during the winter period.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 26.0° C on Aug. 4; minimum daily, 0.0° C on numerous days during the winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.1	10.2	5.2	2.8	0.1	0.1	6.4	15.1	16.4	22.2	24.9	23.9
2	14.1	11.1	3.9	2.8	0.1	0.7	5.7	16.6	15.9	23.3	25.4	22.8
3	12.5	11.8	1.9	2.8	0.0	0.9	5.2	16.5	16.6	23.5	25.6	22.2
4	11.9	12.4	0.7	3.2	0.0	1.4	5.8	14.5	17.4	23.7	26.0	22.1
5	11.3	11.9	0.6	3.4	0.0	1.8	5.8	13.1	17.7	23.9	25.4	22.1
6	10.8	11.4	0.6	3.0	0.0	2.5	4.7	12.0	17.3	23.6	23.8	21.5
7	10.7	10.8	0.6	1.5	0.0	2.4	4.6	13.8	17.1	23.0	22.5	21.4
8	10.9	9.7	0.6	0.7	0.0	2.3	5.1	15.2	18.6	23.7	21.6	21.6
9	11.6	7.5	0.6	0.2	0.0	2.3	6.1	14.6	20.7	24.4	21.4	21.2
10	12.8	5.5	0.6	0.1	0.0	2.5	7.0	14.3	21.7	24.1	21.7	21.0
11	13.7	4.7	1.4	0.1	0.0	3.1	7.3	15.8	21.2	24.0	22.1	20.6
12	14.0	4.7	1.8	0.1	0.2	3.5	8.1	17.7	20.5	23.9	22.4	20.3
13	14.0	6.0	1.5	0.1	0.2	3.2	8.8	19.3	20.4	23.2	21.2	20.2
14	14.0	5.8	0.8	0.1	0.2	2.7	8.1	20.7	20.1	22.5	21.4	20.1
15	14.0	4.7	0.5	0.1	0.2	3.0	8.3	21.4	20.4	22.4	21.7	19.9
16	12.6	3.7	0.3	0.1	0.1	3.3	8.8	22.2	21.8	22.1	21.6	19.9
17	11.5	3.7	0.5	0.1	0.1	2.8	9.7	21.8	23.1	22.8	20.3	19.9
18	10.8	4.6	0.8	0.1	0.1	2.2	11.4	21.2	23.5	22.9	20.7	19.1
19	10.3	6.0	0.8	0.1	0.1	2.4	13.1	20.8	23.5	22.9	21.1	16.5
20	9.4	8.1	0.8	0.1	0.1	2.9	14.6	19.9	22.4	23.5	21.7	15.2
21	9.5	7.6	0.8	0.1	0.1	3.3	14.9	19.8	21.5	24.3	22.1	15.3
22	10.3	7.0	0.8	0.1	0.1	3.4	14.7	19.9	21.2	25.1	20.4	16.2
23	9.1	6.5	1.3	0.1	0.1	2.4	14.9	20.1	21.1	25.3	20.3	17.3
24	7.9	6.3	2.5	0.1	0.1	3.2	13.5	20.3	21.7	25.1	20.8	18.1
25	7.1	6.3	3.1	0.1	0.1	4.7	13.3	20.1	21.9	24.5	20.9	18.2
26	7.6	5.3	2.4	0.1	0.1	5.9	12.2	19.4	21.6	24.4	20.9	18.5
27	10	4.7	1.7	0.1	0.1	7.9	11.4	18.2	21.1	24.4	21.1	18.5
28	11.5	5.1	1.7	0.1	0.1	8.3	11.5	18.5	20.2	23.2	22.0	18.1
29	11.4	7.0	1.7	0.1	0.1	8.0	11.3	17.8	20.2	22.1	23.1	17.0
30	10.5	6.2	2.0	0.1	---	7.4	13.0	17.1	21.2	22.9	24.1	16.3
31	10	---	2.4	0.1	---	7.2	---	17.1	---	23.9	24.4	---
MEAN	11.3	7.2	1.4	0.7	0.1	3.5	9.5	17.9	20.3	23.6	22.3	19.5

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01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CT

LOCATION.--Lat 41° 57' 26", long 73° 22' 11", Litchfield County, Hydrologic Unit 01100005, on left bank at hydroelectric plant of Connecticut Light and Power Company at Falls Village, 1.4 mi downstream from Hollenbeck River, and at mile 75.9.

DRAINAGE AREA.--634 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, except for periods of estimated record, which are poor. 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 the regulation does not appreciably affect monthly runoff or the peak flows at the gaging station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1200	5,690	7.22	Apr 2	1929	4,510	6.35
Dec 12	1515	4,140	6.07	Sep 19	1230	5,810	7.31
Dec 18	2145	5,390	6.99	Sep 30	0630	4,480	6.33
Dec 26	0945	*6,530	*7.84				

Minimum discharge, 138 ft³/s, July 21, gage height, 1.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2,700	4,600	3,300	e2,100	627	496	3,250	1,520	e1,490	386	383	634
2	1,940	3,570	2,690	e2,000	568	662	4,310	1,370	e1,470	350	546	689
3	1,530	2,690	2,060	e1,950	543	1,190	4,490	1,260	e1,450	351	737	595
4	1,400	2,140	1,750	e2,100	572	1,360	4,420	1,380	e1,420	423	682	517
5	1,460	1,970	1,640	e2,700	590	1,380	3,830	1,450	e1,370	408	698	459
6	1,330	2,150	1,510	2,680	573	1,650	2,840	1,380	e1,130	419	712	429
7	1,210	2,010	1,350	e2,200	675	2,330	2,250	1,280	e1,080	596	563	404
8	1,040	1,750	1,510	e1,700	731	2,230	1,930	1,150	898	627	464	400
9	877	1,510	1,450	e1,400	720	1,830	1,700	1,040	858	536	385	992
10	885	1,400	1,440	e1,300	e688	1,520	1,520	1,050	859	373	338	2,030
11	830	1,270	1,880	e1,150	e672	1,330	1,340	1,030	890	410	340	1,870
12	735	1,320	3,850	e1,250	e667	1,300	1,200	963	790	323	674	1,390
13	722	1,340	3,480	e1,080	e641	1,230	1,350	915	687	293	996	960
14	781	1,260	2,670	e1,050	588	1,080	2,570	866	657	291	1,030	762
15	1,120	1,160	2,070	e1,030	546	1,040	2,840	847	597	280	1,010	659
16	1,350	1,050	1,920	804	519	1,030	2,430	889	536	300	1,050	597
17	1,360	1,060	2,260	812	491	988	1,850	853	548	304	1,380	542
18	1,190	1,070	4,700	857	504	944	1,590	794	469	358	1,050	2,830
19	1,130	1,070	5,130	859	498	884	1,470	811	687	295	802	5,660
20	1,120	2,850	4,560	822	504	837	1,300	803	585	219	687	5,380
21	1,060	3,470	3,610	760	487	882	1,220	740	535	237	1,430	4,650
22	979	3,080	2,730	747	497	959	1,100	719	416	270	2,720	3,360
23	931	2,400	2,330	729	509	873	1,130	647	495	259	2,350	1,960
24	859	1,910	2,810	667	514	830	1,550	738	448	385	1,630	1,430
25	818	1,800	5,390	607	476	865	1,470	1,290	414	443	1,130	1,210
26	798	1,690	6,390	608	456	950	1,440	1,290	399	468	874	1,060
27	1,150	1,540	5,770	576	478	1,360	2,260	1,780	438	314	752	928
28	2,940	1,570	4,670	625	467	2,150	2,550	2,230	391	473	655	1,370
29	4,390	3,130	3,580	582	480	2,340	2,160	2,270	402	512	616	3,790
30	5,570	3,540	e2,700	619	---	2,150	1,710	e1,570	386	520	582	4,410
31	5,280	---	e2,300	605	---	2,170	---	e1,500	---	441	554	---
TOTAL	49,485	61,370	93,500	36,969	16,281	40,840	65,070	36,425	22,795	11,864	27,820	51,967
MEAN	1,596	2,046	3,016	1,193	561	1,317	2,169	1,175	760	383	897	1,732
MAX	5,570	4,600	6,390	2,700	731	2,340	4,490	2,270	1,490	627	2,720	5,660
MIN	722	1,050	1,350	576	456	496	1,100	647	386	219	338	400
CFSM	2.52	3.23	4.76	1.88	0.89	2.08	3.42	1.85	1.20	0.60	1.42	2.73
IN.	2.90	3.60	5.49	2.17	0.96	2.40	3.82	2.14	1.34	0.70	1.63	3.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	622	2,657	(1956)	122	(1915)	946	3,795	(1928)	117	(1915)	1,115	3,151	(1974)	131	(1915)	1,115	4,490	(1981)	189	(1981)
	1,078	2,790	(1976)	267	(1920)	1,925	5,291	(1936)	669	(1965)	2,408	5,207	(1940)	756	(1985)	1,387	2,892	(1941)	541	(1941)
	903	3,143	(1984)	277	(1964)	575	2,302	(1945)	170	(1965)	506	2,509	(1955)	157	(1913)	519	3,543	(1938)	126	(1995)

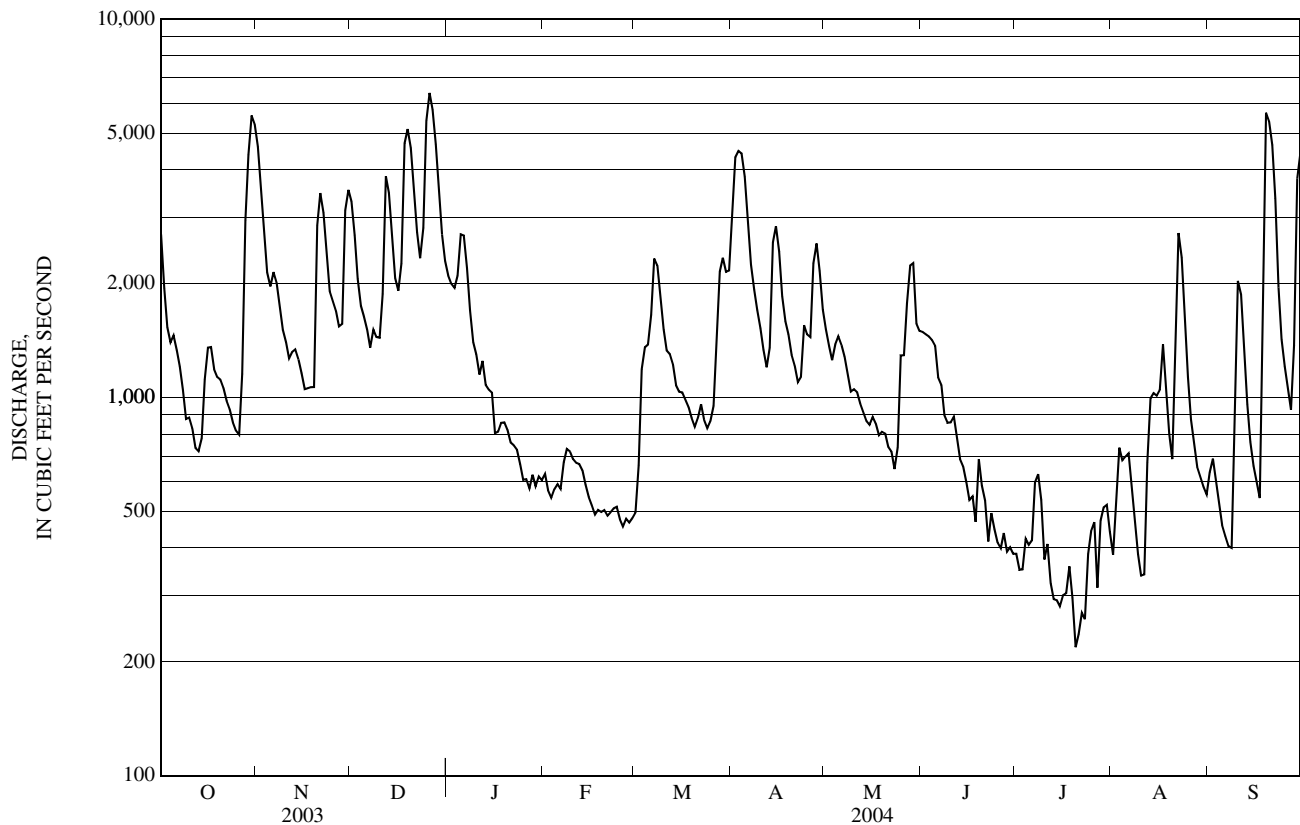
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01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	506,779		514,386		1,091	
ANNUAL MEAN	1,388		1,405		1,782	
HIGHEST ANNUAL MEAN					403	
LOWEST ANNUAL MEAN					23,700	
HIGHEST DAILY MEAN	6,390	Dec 26	6,390	Dec 26	23,700	Jan 1, 1949
LOWEST DAILY MEAN	164	Jul 31	219	Jul 20	24	Oct 15, 1914
ANNUAL SEVEN-DAY MINIMUM	234	Feb 13	277	Jul 17	51	Sep 10, 2002
MAXIMUM PEAK FLOW			6,530	Dec 26	23,900	Jan 1, 1949
MAXIMUM PEAK STAGE			7.84	Dec 26	a 19.40	Jan 1, 1949
INSTANTANEOUS LOW FLOW			138	Jul 21	b	
ANNUAL RUNOFF (CFSM)	2.19		2.22		1.72	
ANNUAL RUNOFF (INCHES)	29.74		30.18		23.37	
10 PERCENT EXCEEDS	3,200		2,830		2,400	
50 PERCENT EXCEEDS	979		1,050		730	
90 PERCENT EXCEEDS	333		440		230	

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)
Oct 29	2230	384	2.85	Apr 2	0445	262	2.43
Dec 12	0330	291	2.54	Aug 22	0200	251	2.39
Dec 18	0530	404	2.91	Sep 18	2115	490	3.16
Dec 25	0400	*600	*3.47				

Minimum discharge, 7.7 ft³/s, July 23, gage height, 0.82 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	125	100	86	e30	25	158	51	64	14	14	22
2	91	103	86	81	e28	41	225	48	76	14	13	20
3	79	89	66	82	e26	54	145	50	71	12	12	19
4	75	76	62	93	e29	59	119	64	57	12	13	18
5	87	78	61	142	24	55	103	51	48	12	24	18
6	68	93	62	104	26	84	87	47	45	20	17	17
7	60	76	68	e80	42	82	77	43	43	14	13	16
8	55	66	60	e66	e37	68	71	39	38	13	11	19
9	53	58	56	e60	e32	61	67	38	34	12	10	104
10	50	55	55	e55	26	55	62	38	49	11	9.2	84
11	47	53	142	e50	25	52	57	38	41	11	23	44
12	45	54	220	e47	e27	52	51	34	34	10	57	34
13	43	52	122	e45	e26	47	105	32	30	12	46	37
14	41	50	95	e44	e22	42	167	32	28	12	35	42
15	75	45	100	e43	e21.5	42	112	31	27	11	41	35
16	58	41	86	e42	e21	42	87	32	22	11	64	25
17	48	43	155	e41	e20.5	41	72	29	21	9.9	91	29
18	45	43	325	e40	e20	40	64	27	23	11	67	265
19	49	48	177	e41	e19.5	38	58	49	63	11	60	241
20	52	196	132	e36	e19	38	55	35	32	11	43	105
21	47	127	107	e34	e19.5	46	49	32	24	9.2	150	91
22	45	94	95	e32	e22.5	42	46	29	22	8.5	185	82
23	43	81	91	e31	e21	36	74	27	22	16	96	58
24	40	71	171	e30	e20.3	35	71	29	18	24	72	44
25	37	81	447	e29.5	20	42	54	60	17	14	63	38
26	36	69	242	e29	19	47	75	40	22	11	51	36
27	74	62	166	e32	18	69	98	118	19	12	36	32
28	164	73	130	e35	19	65	73	112	16	21	30	114
29	237	205	112	e34	21	57	61	81	16	17	26	212
30	291	122	105	e32	---	52	55	56	15	13	23	122
31	163	---	96	e31	---	90	---	45	---	12	24	---
TOTAL	2,405	2,429	3,992	1,627.5	701.8	1,599	2,598	1,437	1,037	401.6	1,419.2	2,023
MEAN	77.6	81.0	129	52.5	24.2	51.6	86.6	46.4	34.6	13.0	45.8	67.4
MAX	291	205	447	142	42	90	225	118	76	24	185	265
MIN	36	41	55	29	18	25	46	27	15	8.5	9.2	16
CFSM	2.64	2.75	4.38	1.79	0.82	1.75	2.95	1.58	1.18	0.44	1.56	2.29
IN.	3.04	3.07	5.05	2.06	0.89	2.02	3.29	1.82	1.31	0.51	1.80	2.56

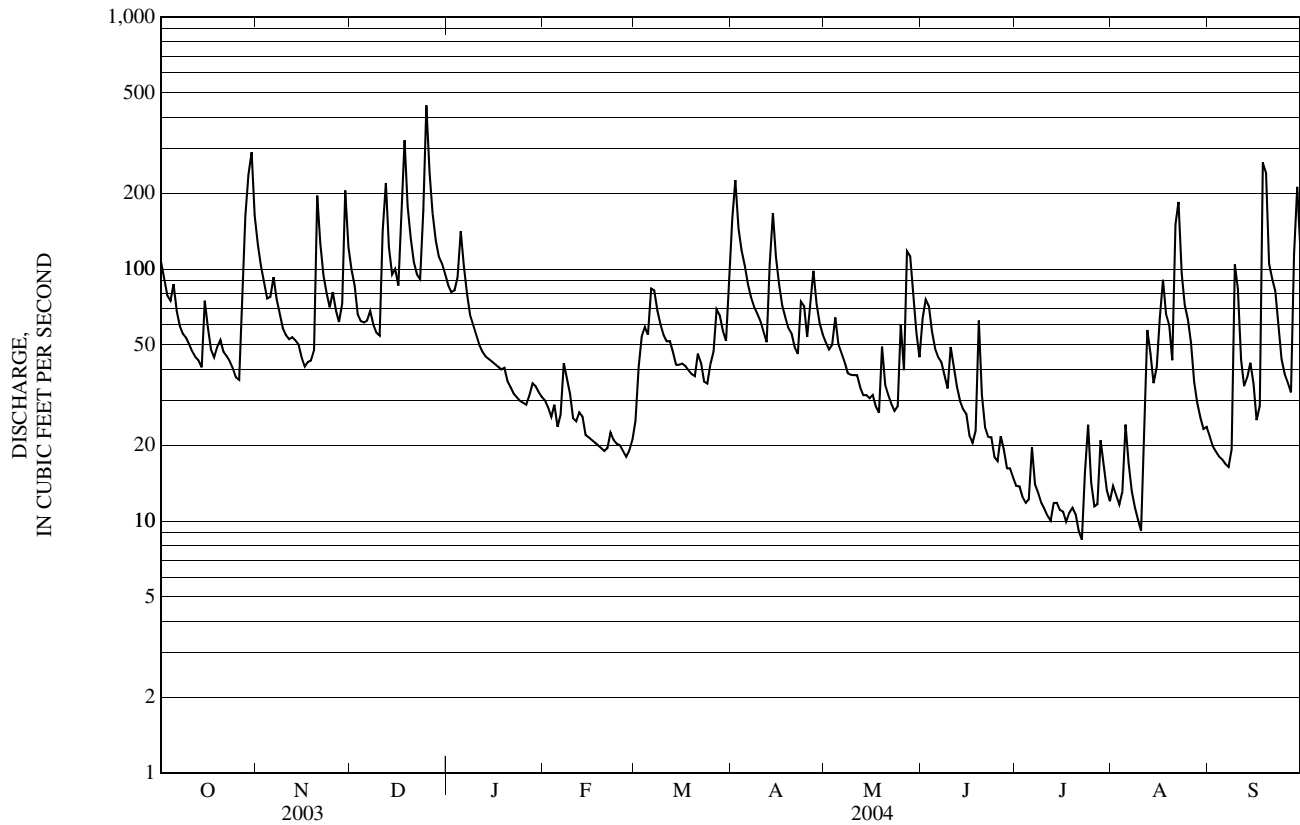
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

MEAN	32.6	41.9	54.7	50.7	54.0	84.0	92.5	60.6	42.8	25.9	22.5	23.1
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	25,881.4		21,670.1		48.7	
ANNUAL MEAN	70.9		59.2		73.3	
HIGHEST ANNUAL MEAN					15.9	
LOWEST ANNUAL MEAN					1,730	
HIGHEST DAILY MEAN	447	Dec 25	447	Dec 25	1,730	May 30, 1984
LOWEST DAILY MEAN	13	Jul 31	8.5	Jul 22	1.5	Aug 11, 1964
ANNUAL SEVEN-DAY MINIMUM	16	Jul 26	10	Jul 16	2.1	Aug 31, 1995
MAXIMUM PEAK FLOW			600	Dec 25	1,840	Mar 6, 1979
MAXIMUM PEAK STAGE			3.47	Dec 25	5.90	Mar 6, 1979
INSTANTANEOUS LOW FLOW			7.7	Jul 23	0.70	Sep 25, 1964
ANNUAL RUNOFF (CFSM)	2.41		2.01		1.66	
ANNUAL RUNOFF (INCHES)	32.75		27.42		22.51	
10 PERCENT EXCEEDS	142		112		101	
50 PERCENT EXCEEDS	49		45		32	
90 PERCENT EXCEEDS	25		16		8.8	



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 good, except those for periods of estimated record, which are 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)
Oct 30	0700	1,860	5.02	Dec 25	1315	*3,180	*6.48
Nov 29	1800	1,400	4.36	Sep 19	0600	1,800	4.94
Dec 12	0845	2,570	5.86	Sep 29	0930	1,530	4.55
Dec 18	1315	2,320	5.58				

Minimum discharge, 39 ft³/s, July 22, 23, gage height, 0.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	854	988	848	788	e188	e178	636	359	267	80	75	117
2	724	831	751	712	e188	377	804	342	391	74	72	104
3	616	729	629	703	e188	576	667	344	386	72	62	96
4	548	648	553	742	e185	531	593	409	291	67	54	91
5	613	627	533	1,090	e182	517	544	357	246	70	87	86
6	502	759	520	1,040	200	573	474	328	222	83	109	83
7	434	639	473	e786	351	606	438	303	212	80	77	78
8	387	554	516	e622	e310	528	406	281	192	77	63	87
9	354	490	480	e550	e269	485	377	266	174	70	55	373
10	325	457	462	e460	e236	442	356	263	179	62	48	468
11	302	436	1,310	e416	e215	426	331	306	171	55	62	277
12	275	433	2,390	e420	e195	410	314	262	149	50	264	216
13	252	417	1,520	e388	e186	370	475	234	134	55	313	186
14	234	378	1,140	e354	e173	336	845	215	128	55	181	162
15	368	351	1,040	e350	e159	324	695	205	134	52	163	140
16	371	332	923	e340	e150	319	590	190	117	48	161	130
17	287	332	1,180	e330	e142	311	518	177	108	48	200	123
18	267	330	2,210	e337	e140	299	469	172	130	58	160	1,040
19	268	350	1,700	e310	e136	293	428	306	339	57	129	1,530
20	295	1,120	1,300	e300	e133	293	401	242	198	53	127	814
21	269	1,010	1,050	e290	e133	355	374	201	146	47	566	644
22	252	767	914	e270	e133	349	356	190	124	43	882	521
23	239	673	848	e230	e190	296	424	174	115	54	523	423
24	226	598	1,450	e210	e162	290	512	161	103	154	385	350
25	213	627	2,940	e203	e154	294	399	181	94	106	309	297
26	206	578	2,090	e201	e143	299	447	178	117	77	252	264
27	340	518	1,570	e198	e136	330	593	308	108	68	210	235
28	894	544	1,280	e196	e135	337	484	342	92	104	184	560
29	1,290	1,300	1,080	e192	e143	302	427	351	87	114	161	1,420
30	1,720	1,060	986	e192	---	282	384	263	81	94	140	1,100
31	1,240	---	905	e190	---	391	---	225	---	79	129	---
TOTAL	15,165	18,876	35,591	13,410	5,255	11,719	14,761	8,135	5,235	2,206	6,203	12,015
MEAN	489	629	1,148	433	181	378	492	262	174	71.2	200	400
MAX	1,720	1,300	2,940	1,090	351	606	845	409	391	154	882	1,530
MIN	206	330	462	190	133	178	314	161	81	43	48	78
CFSM	2.41	3.10	5.66	2.13	0.89	1.86	2.42	1.29	0.86	0.35	0.99	1.97
IN.	2.78	3.46	6.52	2.46	0.96	2.15	2.70	1.49	0.96	0.40	1.14	2.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	149	248	338	366	373	638	609	351	257	149	115	117
MAX	1,222	1,067	1,148	1,118	873	1,690	1,366	779	1,078	998	1,007	1,082
(WY)	(1956)	(1956)	(2004)	(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)

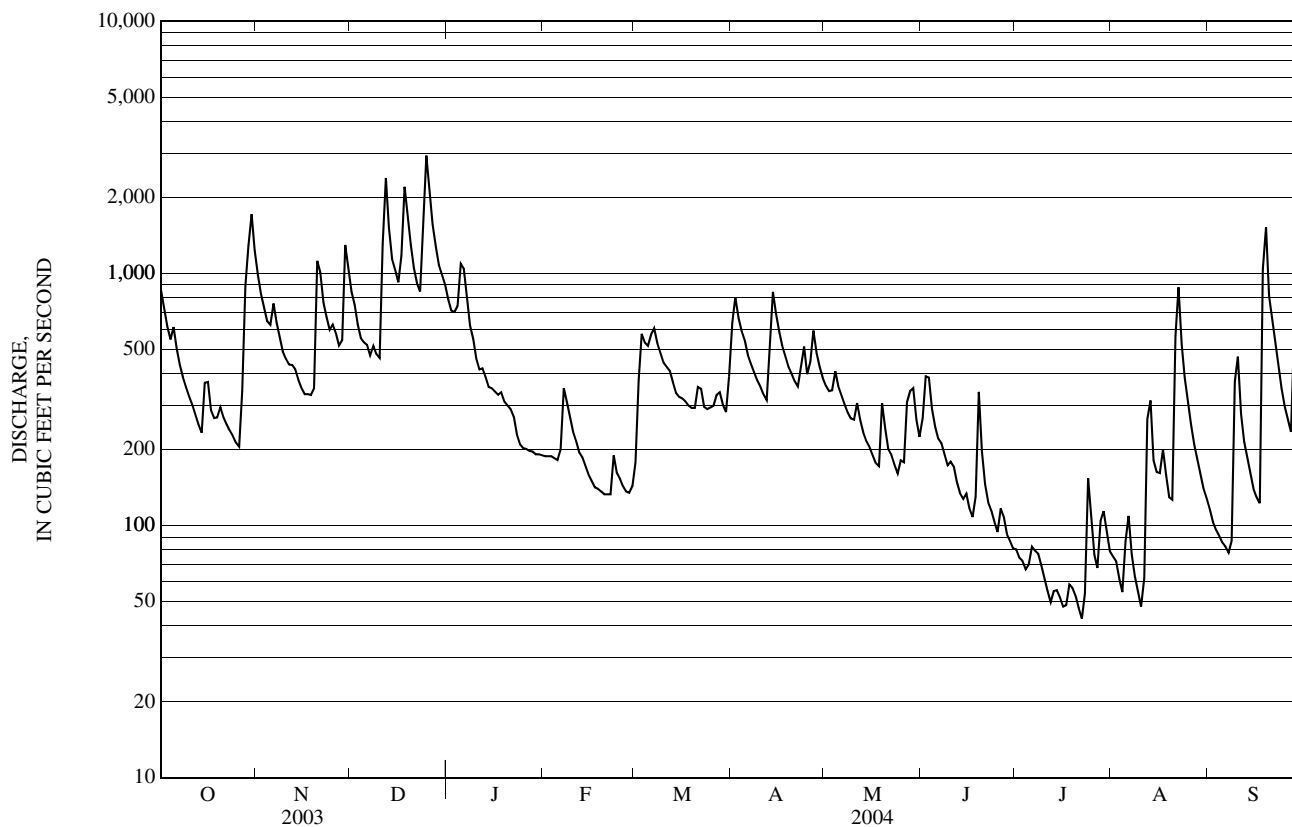
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01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	173,323		148,571		308	
ANNUAL MEAN	475		406		497	
HIGHEST ANNUAL MEAN					90.7	
LOWEST ANNUAL MEAN					10,700	
HIGHEST DAILY MEAN	3,640	Mar 22	2,940	Dec 25	10,700	Aug 19, 1955
LOWEST DAILY MEAN	58	Aug 31	43	Jul 22	7.0	Oct 7, 1957
ANNUAL SEVEN-DAY MINIMUM	63	Aug 26	51	Jul 16	8.0	Oct 1, 1957
MAXIMUM PEAK FLOW			3,180	Dec 25	a 17,400	Aug 19, 1955
MAXIMUM PEAK STAGE			6.48	Dec 25	b 14.90	Aug 19, 1955
INSTANTANEOUS LOW FLOW			39	Jul 22	5.0	Sep 8, 1957
ANNUAL RUNOFF (CFSM)	2.34		2.00		1.52	
ANNUAL RUNOFF (INCHES)	31.76		27.23		20.65	
10 PERCENT EXCEEDS	1,030		862		685	
50 PERCENT EXCEEDS	332		302		195	
90 PERCENT EXCEEDS	133		82		36	

a From rating curve extended above 9,000 ft³/s.

b From high water marks.



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 appreciably affect monthly runoff or the peak flows at the gaging station.

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)
Oct 30	1645	8,460	8.01	Dec 29	1030	6,010	6.81
Dec 12	1545	7,560	7.59	Apr 2	2315	6,110	6.86
Dec 18	2130	8,660	8.10	Sep 19	1730	8,160	7.87
Dec 25	2245	*10,400	*8.85	Sep 30	0145	6,510	7.07

Minimum discharge, 225 ft³/s, July 15, gage height, 1.50 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

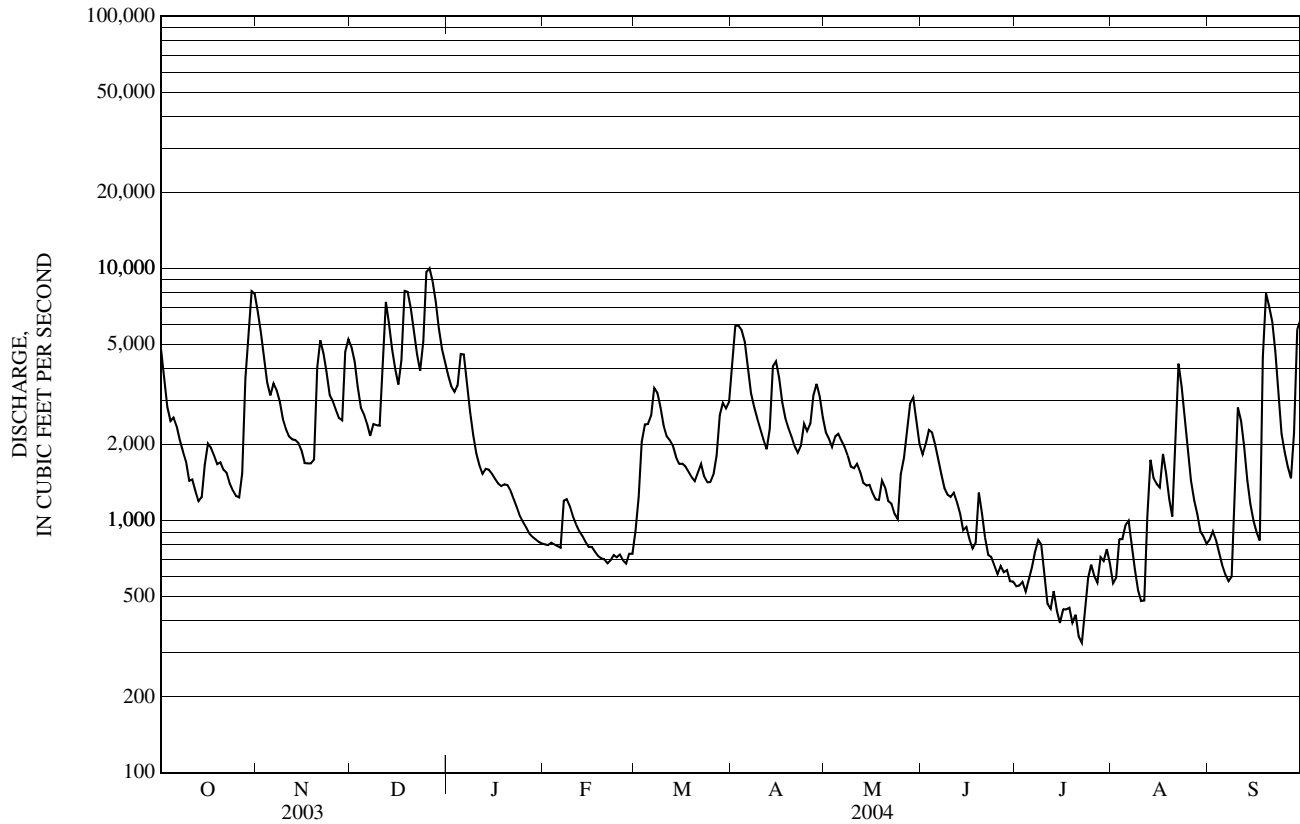
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,760	6,700	4,890	3,760	e805	907	4,360	2,240	1,830	549	564	840
2	3,700	5,560	4,270	3,400	e799	1,240	5,940	2,110	2,010	553	592	907
3	2,820	4,360	3,390	3,240	e817	2,050	5,930	1,960	2,290	571	843	838
4	2,480	3,530	2,810	3,430	e805	2,410	5,700	2,160	2,240	523	845	742
5	2,560	3,140	2,640	4,580	e793	2,420	5,120	2,210	2,000	581	960	666
6	2,360	3,500	2,410	4,560	e781	2,610	3,980	2,070	1,760	653	1,000	611
7	2,090	3,300	2,170	e3,500	e1,200	3,350	3,200	1,960	1,530	750	805	576
8	1,880	2,960	2,420	e2,710	e1,220	3,210	2,820	1,810	1,350	838	642	599
9	1,710	2,540	2,390	e2,180	e1,140	2,820	2,550	1,640	1,270	804	530	1,480
10	1,440	2,300	2,380	e1,850	e1,040	2,380	2,310	1,610	1,240	610	480	2,810
11	1,450	2,160	4,030	e1,650	e963	2,160	2,100	1,680	1,290	468	482	2,480
12	1,310	2,100	7,370	e1,530	e907	2,080	1,920	1,560	1,190	447	1,030	1,970
13	1,190	2,090	6,060	e1,600	e867	1,980	2,300	1,410	1,070	525	1,740	1,450
14	1,240	2,030	4,780	e1,590	e823	1,790	4,090	1,380	916	438	1,470	1,160
15	1,660	1,900	4,010	e1,530	e787	1,680	4,280	1,390	943	393	1,400	996
16	2,020	1,690	3,460	e1,470	e787	1,680	3,680	1,280	846	445	1,350	899
17	1,940	1,690	4,320	e1,400	e752	1,640	2,950	1,210	775	444	1,840	834
18	1,810	1,690	8,150	e1,370	e724	1,560	2,550	1,210	816	451	1,540	4,460
19	1,670	1,740	8,070	e1,390	e708	1,490	2,330	1,440	1,290	393	1,220	7,960
20	1,700	4,050	6,920	e1,380	e703	1,430	2,150	1,350	1,070	423	1,040	7,090
21	1,590	5,190	5,680	e1,310	e677	1,550	1,970	1,190	855	347	2,190	6,140
22	1,550	4,600	4,550	e1,220	e695	1,680	1,860	1,170	730	328	4,190	4,690
23	1,410	3,880	3,920	e1,130	e730	1,500	1,980	1,070	717	439	3,380	3,060
24	1,320	3,150	5,150	e1,040	e715	1,420	2,430	1,010	662	592	2,500	2,210
25	1,250	2,980	9,670	e985	e733	1,420	2,260	1,520	613	668	1,860	1,870
26	1,240	2,750	10,000	e935	e695	1,530	2,420	1,770	659	602	1,440	1,640
27	1,540	2,550	8,890	e887	e675	1,810	3,140	2,270	624	567	1,200	1,470
28	3,670	2,500	7,360	e861	e738	2,620	3,480	2,920	636	716	1,060	2,240
29	5,650	4,670	5,790	e842	e738	2,930	3,120	3,080	575	691	904	5,720
30	8,120	5,240	4,780	e823	---	2,780	2,560	2,450	572	771	866	6,210
31	7,940	---	4,260	e811	---	2,960	---	2,020	---	676	808	---
TOTAL	77,070	96,540	156,990	58,964	23,817	63,087	95,480	54,150	34,369	17,256	40,771	74,618
MEAN	2,486	3,218	5,064	1,902	821	2,035	3,183	1,747	1,146	557	1,315	2,487
MAX	8,120	6,700	10,000	4,580	1,220	3,350	5,940	3,080	2,290	838	4,190	7,960
MIN	1,190	1,690	2,170	811	675	907	1,860	1,010	572	328	480	576
CFSM	2.50	3.23	5.08	1.91	0.82	2.04	3.20	1.75	1.15	0.56	1.32	2.50
IN.	2.88	3.61	5.86	2.20	0.89	2.36	3.57	2.02	1.28	0.64	1.52	2.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	951	1,445	1,798	1,831	1,838	3,018	3,481	2,184	1,478	872	739	679
MAX	4,500	5,024	5,064	6,599	4,398	6,529	6,685	5,079	4,538	3,323	4,433	2,487
(WY)	(1956)	(1956)	(2004)	(1949)	(1976)	(1977)	(1993)	(1989)	(1984)	(1972)	(1955)	(2004)
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)

01200500 HOUSATONIC RIVER AT GAYLORDSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	870,683		793,112		1,691	
ANNUAL MEAN	2,385		2,167		2,557	
HIGHEST ANNUAL MEAN					572	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	11,900	Mar 22	10,000	Dec 26	38,800	Aug 19, 1955
LOWEST DAILY MEAN	354	Aug 1	328	Jul 22	60	Aug 31, 1944
ANNUAL SEVEN-DAY MINIMUM	511	Jul 28	404	Jul 17	104	Aug 18, 1981
MAXIMUM PEAK FLOW			10,400	Dec 25	51,800	Aug 19, 1955
MAXIMUM PEAK STAGE			8.85	Dec 25	18.58	Aug 19, 1955
INSTANTANEOUS LOW FLOW			225	Jul 15	30	Oct 28, 1914
ANNUAL RUNOFF (CFSM)	2.40		2.18		1.70	
ANNUAL RUNOFF (INCHES)	32.52		29.62		23.07	
10 PERCENT EXCEEDS	5,170		4,570		3,670	
50 PERCENT EXCEEDS	1,700		1,640		1,160	
90 PERCENT EXCEEDS	753		650		332	



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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 17...	1245	1,690	2.3	12.8	98	7.6	314	6.0	4.5	140	34.0	12.3	1.57
JAN 20...	1145	1,580	1.4	15.1	104	7.5	352	-4.0	.0	150	37.2	13.4	1.51
MAY 19...	1045	1,580	10	9.0	99	8.3	327	19.0	20.0	130	32.8	11.9	1.56
JUL 27...	1230	506	2.6	9.0	106	8.4	410	19.5	23.5	160	39.1	15.0	2.29

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 17...	12.7	117	143	.0	22.0	<.2	6.11	9.2	174	176	.18	.23	E.02n
JAN 20...	16.2	126	152	.0	27.1	<.2	6.28	11.3	191	197	.24	.24	.06
MAY 19...	15.5	118	141	1	26.5	<.2	2.90	7.7	204	186	.28	.43	<.04
JUL 27...	22.2	145	170	4	35.2	<.2	3.41	13.3	232	221	.34	.39	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 17...	.51	<.008	--	<.02	.010	.020	.74	2.8	26	43	9	<.20	13
JAN 20...	.73	E.004n	.18	<.02	.014	.019	.97	2.1	4k	4k	5	<.20	14
MAY 19...	.38	.008	--	<.02	.011	.053	.81	4.7	940	840	12	<.20	14
JUL 27...	.57	E.007n	--	<.02	.011	.030	.96	6.7	35	50	4	E.11n	20

01200600 HOUSATONIC RIVER NEAR NEW MILFORD, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
NOV 17...	<.06	<.04	<.8	.108	E.3n	34	<.08	18.9	<.4	.48	<.2	<.6	.39
JAN 20...	<.06	<.04	<.8	.122	.5	30	<.08	15.9	<.4	.81	<.2	1.2	.40
MAY 19...	<.06	<.04	<.8	.199	.9	26	E.04n	8.6	.5	1.15	<.2	.7	.39
JUL 27...	<.06	E.04n	<.8	.248	1.2	17	E.07n	3.2	.7	1.01	<.2	1.5	.50

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 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, 1,420 ft³/s, Sept. 18, gage height, 13.33 ft; minimum discharge, 22 ft³/s, on July 12, gage height, 6.07 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	220	202	188	e77	103	422	151	129	38	53	40
2	130	184	180	178	e76	126	350	148	94	36	50	36
3	108	166	150	175	e90	146	234	176	82	33	44	35
4	98	153	e137	188	209	135	212	232	70	31	41	34
5	94	169	135	340	132	125	208	159	62	86	53	32
6	88	222	138	269	190	217	169	142	62	66	41	31
7	82	196	179	190	435	204	150	127	63	38	36	31
8	76	164	147	153	222	156	139	113	60	34	33	128
9	74	139	139	e134	e147	152	131	128	55	32	32	253
10	72	129	141	e122	139	149	122	122	53	30	31	143
11	68	123	624	e114	132	133	114	119	52	28	47	85
12	66	130	1,020	e116	e114	127	113	105	48	28	52	64
13	65	134	470	e118	105	110	423	97	44	170	40	54
14	61	118	316	e118	102	101	976	90	51	65	42	49
15	240	104	373	e117	e97	102	499	87	50	47	95	45
16	134	98	321	e119	e93	101	324	135	44	38	119	52
17	90	98	461	e112	e90	108	246	98	44	34	98	47
18	82	100	956	e112	83	107	210	86	92	31	59	812
19	91	143	506	e103	83	113	188	84	74	33	50	781
20	90	736	357	e102	81	117	172	78	54	31	49	224
21	88	416	281	e102	92	201	158	74	46	29	333	150
22	142	232	244	e95	105	173	153	72	44	28	459	111
23	98	189	233	e89	97	117	162	89	44	100	145	92
24	83	175	441	e85	94	117	182	113	41	500	97	85
25	78	223	832	e82	86	119	143	91	40	147	73	77
26	69	185	456	e81	81	123	322	80	41	83	60	68
27	243	158	332	e79	80	123	400	111	38	83	53	62
28	577	178	269	e79	82	111	237	116	35	237	52	165
29	594	463	238	e78	92	101	184	101	69	100	46	751
30	550	261	230	e78	---	98	164	77	44	67	43	340
31	287	---	208	e80	---	339	---	67	---	57	41	---
TOTAL	4,773	6,006	10,716	3,996	3,506	4,254	7,507	3,468	1,725	2,360	2,467	4,877
MEAN	154	200	346	129	121	137	250	112	57.5	76.1	79.6	163
MAX	594	736	1,020	340	435	339	976	232	129	500	459	812
MIN	61	98	135	78	76	98	113	67	35	28	31	31
CFSM	2.47	3.21	5.55	2.07	1.94	2.20	4.02	1.80	0.92	1.22	1.28	2.61
IN.	2.85	3.59	6.40	2.39	2.09	2.54	4.48	2.07	1.03	1.41	1.47	2.91

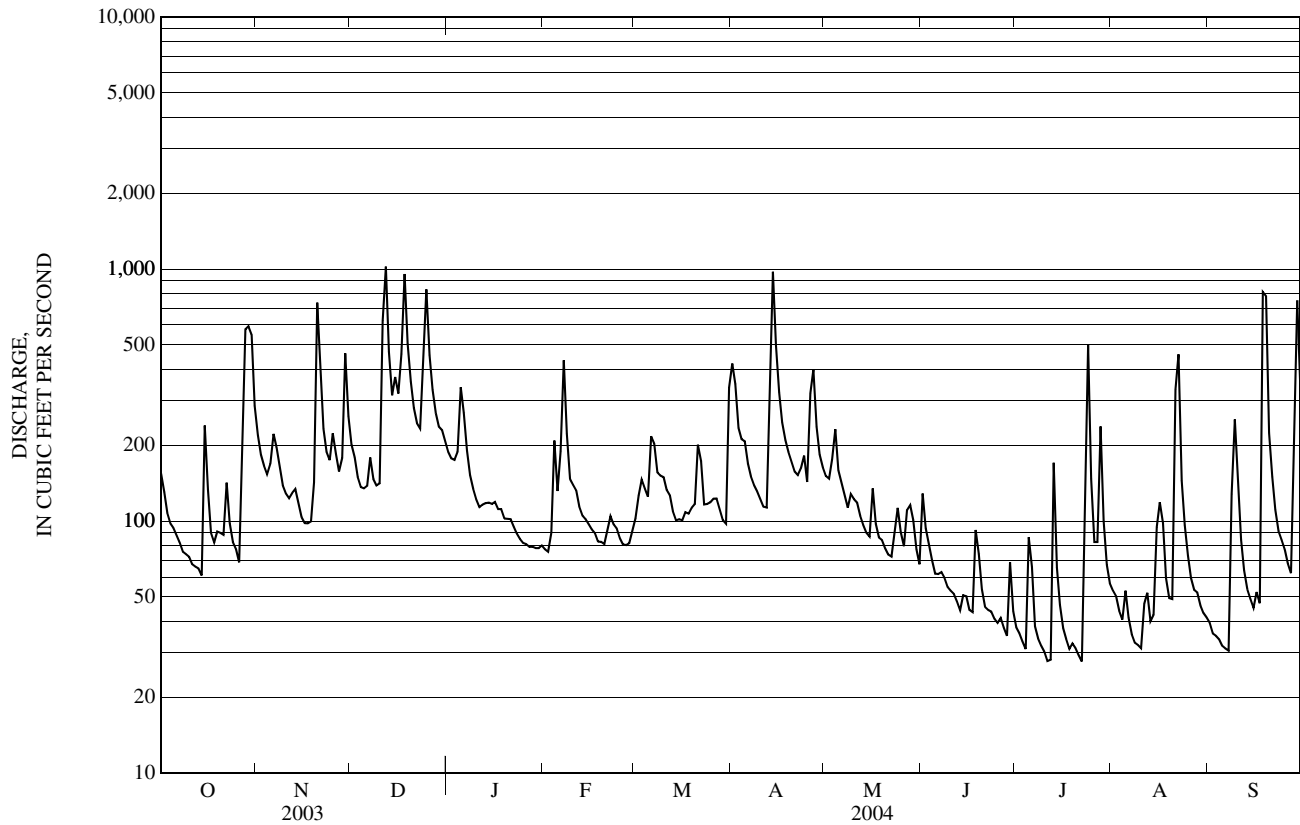
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	MEAN	112	164	177	109	100	162	166	122	144	66.0	82.9	124
MAX	154	200	346	155	122	264	250	132	244	80.4	122	163	
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2002)	(2003)	(2003)	(2003)	(2004)	
MIN	69.0	128	42.1	43.0	56.4	85.9	76.8	112	57.5	41.5	46.6	55.1	
(WY)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2002)	(2002)	(2002)	(2002)

e Estimated

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	65,061		55,655		150	
ANNUAL MEAN	178		152		152	
HIGHEST ANNUAL MEAN					148	
LOWEST ANNUAL MEAN					148	
HIGHEST DAILY MEAN	1,020	Dec 12	1,020	Dec 12	1,020	Dec 12, 2003
LOWEST DAILY MEAN	38	Aug 31	28	Jul 11	18	Aug 27, 2002
ANNUAL SEVEN-DAY MINIMUM	41	Aug 26	32	Jul 16	20	Aug 22, 2002
MAXIMUM PEAK FLOW			1,420	Sep 18	1,420	Sep 18, 2004
MAXIMUM PEAK STAGE			13.33	Sep 18	13.33	Sep 18, 2004
INSTANTANEOUS LOW FLOW			22	Jul 12	13	Aug 28, 2002
ANNUAL RUNOFF (CFSM)	2.86		2.44		2.41	
ANNUAL RUNOFF (INCHES)	38.85		33.23		32.70	
10 PERCENT EXCEEDS	359		321		301	
50 PERCENT EXCEEDS	135		108		112	
90 PERCENT EXCEEDS	63		41		44	



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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 18...	1130	96	2.2	10.6	89	7.4	758	10.5	8.0	160	40.2	13.7	4.47
JAN 13...	1215	114	9.0	13.2	98	7.8	503	6.0	2.0	170	42.5	14.4	3.73
MAR 09...	1315	146	8.8	13.1	100	7.7	432	2.5	4.5	130	34.4	11.8	3.15
MAY 18...	1230	84	4.3	7.5	80	7.9	487	24.0	18.0	170	44.8	14.2	4.18
JUN 07...	1215	59	4.0	8.2	85	7.7	556	25.0	17.0	190	50.4	16.0	5.35
JUL 29...	1030	97	7.1	8.1	90	7.9	407	25.0	20.0	130	35.3	11.2	3.70
AUG 25...	1215	67	3.9	8.3	90	7.8	485	23.5	20.0	160	43.6	13.6	4.69
SEP 21...	1215	149	4.1	8.6	88	7.8	386	21.0	15.0	140	38.2	11.9	3.38

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	30.2	119	145	.0	50.1	<.2	10.4	18.6	268	263	.48	.51	.08
JAN 13...	36.8	117	143	.0	62.3	<.2	10.7	20.4	299	265	.36	.57	.14
MAR 09...	36.3	92	111	.0	62.5	<.2	7.95	15.5	257	244	.47	.61	.04
MAY 18...	30.2	126	154	.0	59.3	<.2	8.30	17.7	292	283	.45	.57	E.03n
JUN 07...	37.3	127	155	.0	65.4	.2	10.0	20.3	344	314	.55	.58	.06
JUL 29...	26.8	100	122	.0	48.4	<.2	9.17	16.6	256	258	.41	.55	.05
AUG 25...	32.9	114	139	.0	59.1	.2	9.95	19.5	271	278	.48	.55	.06
SEP 21...	25.9	106	130	.0	42.9	<.2	11.0	13.1	220	223	.36	.45	E.03n

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	3.88	.044	.42	.27	.32oc	.32oc	4.4	4.2	1,200	1,500k	4	E.14n	26
JAN 13...	2.88	.016	.42	.16	.180	.30oc	3.4	4.9	730	880	5	E.14n	27
MAR 09...	2.19	.011	.57	.12	.155	.21oc	2.8	4.9	90k	200	69	E.14n	25
MAY 18...	3.44	.028	--	.07	.101	.166	4.0	4.7	180k	350	8	E.20n	28
JUN 07...	6.16d	.029	.51	.13	.141	.20oc	6.7	6.4	210	240	8	.22	29
JUL 29...	2.55	.010	.50	.06	.081	.142	3.1	6.6	940	2,500	10	.23	27
AUG 25...	4.35	.011	.49	.10	.131	.175	4.9	6.4	1,500	3,200	8	.24	30
SEP 21...	1.72	E.005n	--	.03	.048	.089	2.2	6.2	180	1,100	8	E.17n	27

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
NOV 18...	<.06	<.04	<.8	.252	2.2	41	.09	52.8	1.8	1.04	<.2	6.6	.83
JAN 13...	<.06	<.04	<.8	.232	1.5	25	.10	84.2	1.9	1.61	<.2	5.7	1.72
MAR 09...	<.06	<.04	<.8	.191	1.8	56	.25	60.4	.9	1.11	<.2	5.3	.77
MAY 18...	<.06	E.03n	<.8	.263	2.9	41	.09	80.3	2.9	1.22	<.2	4.1	.93
JUN 07...	<.06	E.03n	<.8	.310	3.9	50	.09	62.9	2.3	2.15	<.2	5.0	1.03
JUL 29...	<.06	<.04	<.8	.214	2.9	92	.22	38.8	2.9	1.35	<.2	3.5	.58
AUG 25...	<.06	.04	E.4n	.296	4.0	28	.12	58.7	4.2	2.14	<.2	8.7	.78
SEP 21...	<.06	E.02n	<.8	.197	2.3	59	.12	33.4	1.5	.89	<.2	2.3	.61

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

o -- Result determined by alternate method

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, except those for periods of estimated record, which are poor. Flow regulated by Shepaug Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 928 ft³/s, Sept. 18, gage height, 3.49 ft; minimum discharge, 3.4 ft³/s, Aug. 10, 11, gage height, 0.83 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	169	129	105	e13	20	183	62	52	10	7.3	7.5
2	108	143	111	101	e12	34	196	58	72	7.1	7.2	7.6
3	85	130	92	103	e12	64	124	63	84	7.2	7.1	7.6
4	78	119	87	117	24	85	100	77	64	7.2	7.3	7.5
5	84	123	85	179	22	83	98	67	51	7.4	7.6	7.6
6	73	163	92	156	26	103	80	60	44	7.3	7.3	7.6
7	62	136	91	115	47	111	69	54	39	7.1	7.2	7.6
8	55	113	83	96	49	80	65	45	36	7.2	7.2	8.2
9	51	97	79	82	39	62	61	42	35	7.1	7.1	9.3
10	50	90	79	71	33	52	56	42	42	7.0	5.3	9.2
11	48	90	262	e65	29	49	50	46	37	7.0	4.8	32
12	56	88	375	e55	26	49	48	46	31	7.0	7.2	28
13	88	94	183	e48	24	45	97	43	25	7.1	7.8	20
14	78	90	131	e40	23	40	322	37	22	7.1	7.7	13
15	181	80	142	e35	22	38	255	34	24	7.1	7.8	8.7
16	149	75	120	e33	20	38	171	35	24	7.1	7.8	8.0
17	111	77	261	e30	19	38	121	30	22	7.1	7.6	8.0
18	95	76	484	e28	18	36	98	26	22	7.1	7.6	504
19	91	93	223	e26	18	36	84	43	29	7.2	7.6	361
20	107	370	159	e24	17	34	74	35	29	7.2	8.2	162
21	139	218	129	e22	17	45	63	30	21	7.2	120	101
22	122	145	116	e20	19	50	57	29	18	7.4	165	71
23	109	117	111	e20	19	43	78	26	18	7.9	83	52
24	98	105	260	e19	18	39	101	26	15	7.8	53	40
25	89	112	450	e18	18	40	77	27	15	7.6	37	33
26	86	107	228	e17	17	44	98	24	18	7.6	26	28
27	185	96	168	e16	17	52	146	60	17	8.3	18	22
28	338	103	140	e16	16	54	108	89	15	12	11	113
29	492	264	125	e15	18	46	80	80	15	28	7.8	291
30	356	170	121	e14	---	39	69	51	13	11	7.3	169
31	209	---	116	e13	---	90	---	40	---	7.2	7.6	---
TOTAL	4,016	3,853	5,232	1,699	652	1,639	3,229	1,427	949	257.6	680.4	2,144.4
MEAN	130	128	169	54.8	22.5	52.9	108	46.0	31.6	8.31	21.9	71.5
MAX	492	370	484	179	49	111	322	89	84	28	165	504
MIN	48	75	79	13	12	20	48	24	13	7.0	4.8	7.5

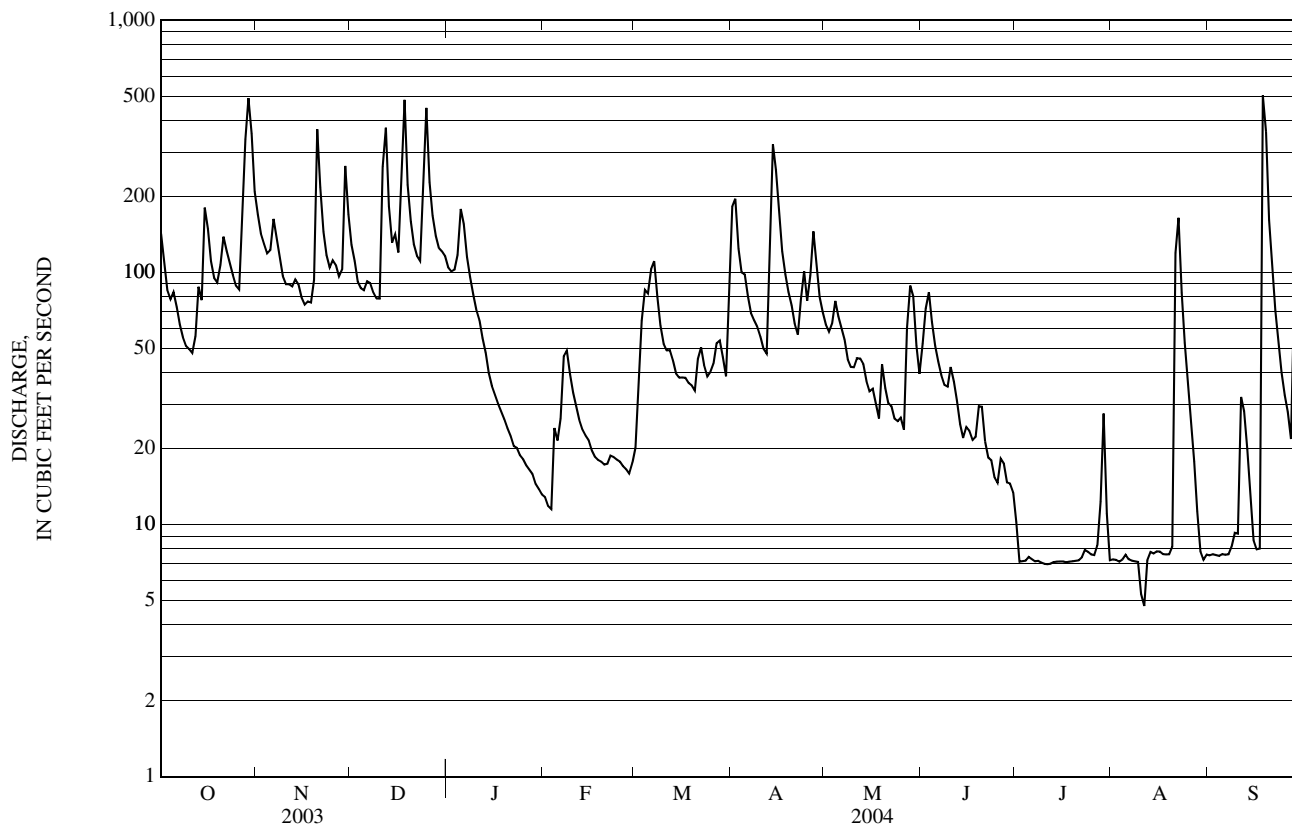
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	37.9	51.4	73.0	28.7	23.4	69.5	86.7	44.5	71.4	9.72	17.0	48.4
MAX	130	128	169	54.8	41.8	121	160	63.4	94.8	11.2	33.2	110
(WY)	(2004)	(2004)	(2004)	(2004)	(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	31.6	8.31	6.35	5.30
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2004)	(2004)	(2002)	(2002)

e Estimated

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

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	28,762.1		25,778.4		46.8	
ANNUAL MEAN	78.8		70.4		70.4	
HIGHEST ANNUAL MEAN					22.3	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	621	Mar 22	504	Sep 18	739	Jun 7, 2002
LOWEST DAILY MEAN	4.6	May 23	4.8	Aug 11	3.6	Dec 8, 2001
ANNUAL SEVEN-DAY MINIMUM	4.7	Jul 11	6.6	Aug 6	3.7	Nov 8, 2001
MAXIMUM PEAK FLOW			928	Sep 18	928	Sep 18, 2004
MAXIMUM PEAK STAGE			3.49	Sep 18	3.49	Sep 18, 2004
INSTANTANEOUS LOW FLOW			3.4	Aug 10	3.4	Aug 10, 2004
10 PERCENT EXCEEDS	178		151		114	
50 PERCENT EXCEEDS	48		46		23	
90 PERCENT EXCEEDS	12		7.6		5.2	



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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, mg/L (00915)	Magnesium, water, mg/L (00925)	Potassium, water, mg/L (00935)
NOV 18...	0915	350	1.4	12.5	100	7.5	107	8.5	6.0	38	9.24	3.68	1.46
JAN 13...	0915	333	2.7	14.5	100	7.3	106	1.0	.0	37	8.75	3.66	1.24
MAR 09...	1045	350	2.9	13.8	100	7.1	108	2.5	2.0	36	8.75	3.50	1.32
MAY 18...	0930	134	.94	9.7	103	7.7	120	21.5	18.0	41	10.4	3.54	1.33
JUN 07...	0900	174	2.1	10.1	101	7.7	113	22.0	15.5	41	10.3	3.76	1.20
JUL 28...	0915	158	21	9.2	99	7.6	114	20.0	18.5	37	9.28	3.35	1.69
AUG 25...	0930	206	7.3	9.4	102	7.8	123	23.5	19.5	45	11.2	4.09	1.36
SEP 21...	0930	421	3.9	9.8	100	7.6	110	20.0	16.0	41	10.1	3.94	1.37

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 18...	6.03	31	37	.0	8.59	<.2	6.45	6.2	67	66	.19	.23	<.04
JAN 13...	6.30	25	30	.0	9.19	<.2	6.49	7.0	69	69	.11	.28	<.04
MAR 09...	6.58	25	31	.0	10.3	<.2	6.16	6.9	73	69	.23	.29	E.03n
MAY 18...	6.42	32	39	.0	10.2	<.2	4.75	6.4	69	66	.19	.23	E.02n
JUN 07...	6.69	31	37	.0	9.63c	<.2	4.24	6.2c	77	72	.24	.35	E.03n
JUL 28...	5.96	34	41	.0	8.44	<.2	4.29	6.1	101	77	.23	.58	<.04
AUG 25...	6.46	37	45	.0	9.56	<.2	4.29	4.7	72	71	.26	.61	<.04
SEP 21...	6.35	31	37	.0	8.32	<.2	5.32	4.1	79	70	.28	.47	<.04

01203000 SHEPAUG RIVER NEAR ROXBURY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	<.06	<.008	<.02	.010	.018	--	4.9	23	37	10	<.20	10	<.06
JAN 13...	.32	<.008	E.01n	.008	.029	.59	3.4	25	30	13	<.20	10	<.06
MAR 09...	.37	E.005n	<.02	.010	.023	.66	3.6	15	15k	16	<.20	9	<.06
MAY 18...	E.04n	E.004n	<.02	.008	.014	--	3.9	60	80	10	<.20	12	<.06
JUN 07...	.17	E.004n	<.02	.017	.031	.52	4.3	38	54	11	<.20	10	<.06
JUL 28...	.21	<.008	E.01n	.032	.123	.80	8.5	2,900	5,000	14	<.20	10	<.06
AUG 25...	.06	<.008	<.02	.008	.075	.68	6.5	85k	170	12	<.20	11	<.06
SEP 21...	.10	<.008	<.02	.010	.054	.57	6.6	180	330	14	<.20	10	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	<.04	<.8	.070	.6	73	<.08	5.9	<.4	.32	<.2	.7	.09
JAN 13...	<.04	<.8	.044	.6	63	E.06n	6.7	<.4	.44	<.2	.6	.09
MAR 09...	<.04	<.8	.062	.5	78	<.08	10.7	<.4	.39	<.2	1.1	.12
MAY 18...	<.04	<.8	.093	.8	68	E.04n	25.5	<.4	.31	<.2	.6	.09
JUN 07...	<.04	<.8	.090	.8	103	E.06n	17.4	<.4	.47	<.2	E.6n	.10
JUL 28...	<.04	<.8	.080	1.0	50	E.05n	4.7	E.2n	.43	<.2	E.5n	.05
AUG 25...	<.04	<.8	.078	.8	46	E.04n	10.0	<.4	.49	<.2	E.4n	.13
SEP 21...	<.04	<.8	.063	.9	60	E.04n	4.6	<.4	.31	<.2	E.3n	.12

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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. Minor alteration to the natural flow from Lockwood Reservoir and by out-of-basin flow diversion for municipal supply for the town of Watertown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,810 ft³/s, Oct. 29, gage height, 5.25 ft; minimum discharge, 1.1 ft³/s, Aug. 9, gage height, 1.00 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	78	58	48	e43	e29	203	36	58	4.2	4.2	3.8
2	41	66	49	47	e42	e45	121	36	36	3.4	3.0	4.6
3	34	59	40	46	e45	e54	82	51	26	3.1	2.4	4.8
4	33	53	41	e53	e58	e58	71	70	21	2.8	2.0	4.4
5	31	79	36	e114	e46	e62	59	43	19	8.9	4.7	4.0
6	25	79	38	e75	e60	105	49	36	18	17	2.7	4.0
7	22	65	40	e67	e125	68	43	31	17	6.3	1.9	4.3
8	20	51	35	e56	e72	58	41	27	14	3.6	1.6	11
9	19	44	34	e50	e60	51	38	32	13	2.7	1.3	28
10	19	41	36	e45	e53	48	34	29	14	2.0	1.3	13
11	20	41	276	e42	e49	45	32	31	12	1.6	2.6	8.0
12	23	41	133	e39	e42	42	32	25	11	1.5	4.8	6.8
13	23	46	82	e38	e41	36	214	21	9.1	7.4	e3.4	5.6
14	19	36	62	e37	e39	33	206	20	9.8	5.1	e3.2	5.0
15	85	32	79	e35	e38	34	115	18	9.7	3.5	e5.2	4.4
16	35	31	60	e34	e37	32	80	27	7.9	2.5	e6.3	4.7
17	27	31	279	e33	e36	32	65	19	7.1	3.2	5.9	4.8
18	26	30	180	e60	e35	31	57	19	9.0	5.9	4.2	169
19	32	56	106	e48	e32	31	51	65	11	4.8	3.8	40
20	29	319	83	e40	e27	35	45	28	7.6	3.1	4.0	20
21	26	98	66	e37	e23	72	40	22	5.7	1.7	147	15
22	26	72	60	e36	e24	47	38	19	5.3	1.7	40	13
23	22	59	60	e35	e22	36	49	49	5.4	2.8	18	10
24	19	53	209	e34	e23	35	45	40	4.0	24	12	9.2
25	18	67	156	e33	e22	34	35	27	3.5	6.6	8.8	8.4
26	19	51	101	e32	e23	33	103	22	4.3	4.3	7.1	7.8
27	184	45	79	e31	e24	38	92	42	3.5	4.9	6.3	7.3
28	140	81	68	e70	e27	34	55	69	2.7	19	5.8	45
29	424	139	61	e60	e28	30	43	37	6.9	7.6	4.9	120
30	147	71	59	e48	---	27	39	25	4.0	4.9	4.5	41
31	95	---	52	e44	---	142	---	21	---	5.5	4.2	---
TOTAL	1,732	2,014	2,718	1,467	1,196	1,457	2,177	1,037	375.5	175.6	327.1	626.9
MEAN	55.9	67.1	87.7	47.3	41.2	47.0	72.6	33.5	12.5	5.66	10.6	20.9
MAX	424	319	279	114	125	142	214	70	58	24	147	169
MIN	18	30	34	31	22	27	32	18	2.7	1.5	1.3	3.8
CFSM	3.16	3.79	4.95	2.67	2.33	2.66	4.10	1.89	0.71	0.32	0.60	1.18
IN.	3.64	4.23	5.71	3.08	2.51	3.06	4.58	2.18	0.79	0.37	0.69	1.32

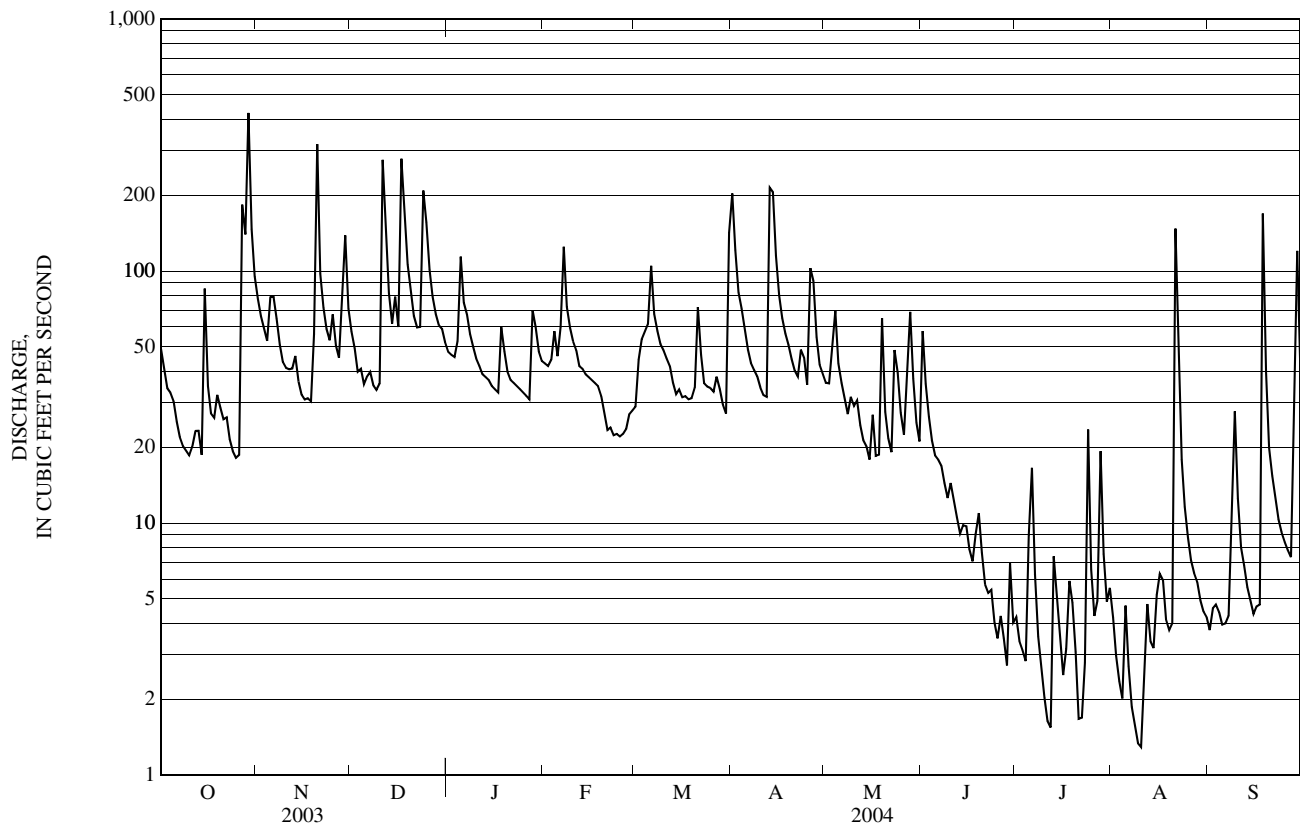
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1962	14.2	63.9	1.84	(1976)
1963	24.3	67.1	2.53	(2004)
1964	39.9	110	7.07	(1974)
1965	43.0	172	7.65	(1979)
1966	41.9	84.6	15.4	(1970)
1967	62.7	115	26.3	(1972)
1968	47.8	77.4	14.8	(1973)
1969	29.9	49.3	9.88	(1979)
1970	26.4	130	3.38	(1972)
1971	14.5	63.1	1.46	(1975)
1972	9.69	34.6	1.35	(1969)
1973	15.0	91.7	1.24	(1975)
1974				
1975				
1976				
1977				
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1998				
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2000				
2001				
2002				
2003				
2004				

e Estimated

01203600 NONWAUG RIVER AT MINORTOWN, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004	
ANNUAL TOTAL	19,066.5		15,303.1		30.8	
ANNUAL MEAN	52.2		41.8		48.6	
HIGHEST ANNUAL MEAN					11.3	
LOWEST ANNUAL MEAN					1,210	
HIGHEST DAILY MEAN	424	Oct 29	424	Oct 29	1,210	Dec 21, 1973
LOWEST DAILY MEAN	4.9	Jul 20	1.3	Aug 9	0.45	Sep 2, 1964
ANNUAL SEVEN-DAY MINIMUM	6.5	Jul 15	2.2	Aug 4	0.58	Aug 5, 2001
MAXIMUM PEAK FLOW			1,810	Oct 29	4,590	Jun 17, 2001
MAXIMUM PEAK STAGE			5.25	Oct 29	7.45	Jun 17, 2001
INSTANTANEOUS LOW FLOW			1.1	Aug 9	0.45	Sep 2, 1964
ANNUAL RUNOFF (CFSM)	2.95		2.36		1.74	
ANNUAL RUNOFF (INCHES)	40.07		32.16		23.61	
10 PERCENT EXCEEDS	103		79		66	
50 PERCENT EXCEEDS	35		34		16	
90 PERCENT EXCEEDS	13		4.1		2.8	



01203805 WEEKEEPEEMEE 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, 2,130 ft³/s, Oct. 29, gage height, 6.87 ft; minimum discharge, 2.9 ft³/s, Sept. 6, 7, gage height, 1.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	128	92	86	e40	e25	198	68	84	6.5	6.1	4.6
2	75	111	80	81	e36	e27	146	65	59	6.4	5.6	4.0
3	63	100	68	85	e30	e32	109	83	43	6.1	4.9	3.7
4	59	90	73	97	e44	e45	100	101	33	5.3	4.4	3.5
5	55	116	61	159	e36	e71	88	71	30	11	7.1	3.4
6	47	118	64	111	e59	144	75	63	29	16	5.3	3.2
7	43	100	72	e87	e169	100	69	57	27	8.6	4.9	3.1
8	40	84	73	e78	e84	85	65	50	24	7.1	4.6	9.7
9	37	82	58	e76	e70	78	61	58	21	6.1	4.2	36
10	35	70	60	e73	e59	74	57	55	21	5.2	3.7	17
11	33	67	356	e70	e55	70	53	57	19	4.7	5.0	9.6
12	40	66	181	e65	e48	66	53	45	16	4.5	7.3	7.4
13	40	72	124	e62	e40	58	230	40	15	11	5.3	6.4
14	35	60	105	e60	e36	53	255	37	16	8.5	5.2	5.6
15	158	54	121	e58	e33	54	172	35	17	6.8	8.8	5.0
16	65	51	99	e56	e31	52	127	39	14	5.7	11	5.1
17	51	52	350	e52	e30	51	107	32	12	4.9	10	5.2
18	48	51	249	e101	e31	49	100	36	13	9.3	6.1	261
19	57	89	152	e77	e29	49	91	109	17	7.3	4.6	64
20	52	394	126	e70	e28	53	82	48	12	6.0	4.0	30
21	48	143	107	e65	e27	92	77	38	11	4.5	173	20
22	47	110	99	e57	e27	66	73	35	9.6	3.8	49	15
23	41	96	99	e53	e26	53	83	69	9.9	4.5	21	12
24	38	87	311	e50	e26	52	78	64	8.3	26	14	11
25	36	102	233	e46	e26	52	65	46	7.9	9.9	10	9.1
26	37	82	155	e43	e26	51	142	41	8.5	6.8	8.3	7.0
27	245	75	130	e39	e25	56	134	63	7.7	6.7	7.3	6.8
28	187	110	115	e69	e25	50	92	94	6.7	25	6.8	60
29	573	196	106	e59	e25	45	80	57	8.8	14	6.0	153
30	218	107	102	e51	---	43	74	41	7.3	8.9	5.4	53
31	155	---	92	e44	---	162	---	36	---	7.1	5.2	---
TOTAL	2,747	3,063	4,113	2,180	1,221	1,958	3,136	1,733	607.7	264.2	424.1	834.4
MEAN	88.6	102	133	70.3	42.1	63.2	105	55.9	20.3	8.52	13.7	27.8
MAX	573	394	356	159	169	162	255	109	84	26	173	261
MIN	33	51	58	39	25	25	53	32	6.7	3.8	3.7	3.1
CFSM	3.31	3.81	4.95	2.62	1.57	2.36	3.90	2.09	0.76	0.32	0.51	1.04
IN.	3.81	4.25	5.71	3.03	1.69	2.72	4.35	2.41	0.84	0.37	0.59	1.16

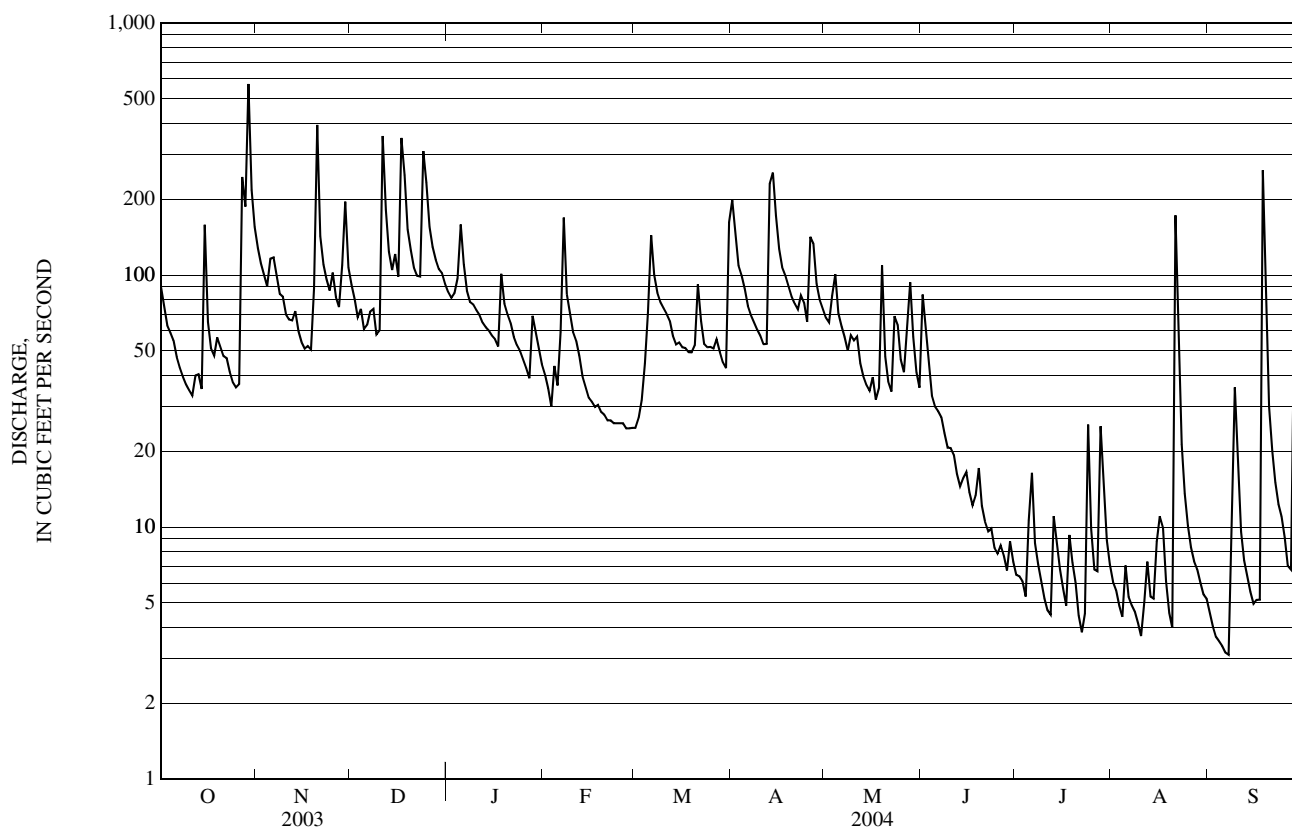
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

	24.0	35.0	55.3	71.8	49.8	113	85.4	60.4	53.9	11.0	17.6	27.3
MAX	88.6	102	133	187	81.9	168	105	88.5	102	21.3	50.9	73.3
(WY)	(2004)	(2004)	(2004)	(1979)	(1979)	(1979)	(2004)	(1979)	(2003)	(2003)	(2003)	(2003)
MIN	5.85	5.85	13.0	14.3	27.9	54.0	51.2	27.4	20.3	5.00	5.10	5.65
(WY)	(1979)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2004)	(1979)	(2001)	(2002)

e Estimated

01203805 WEEKEEPEEMEE RIVER AT HOTCHKISSVILLE, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	28,354.0		22,281.4		50.3	
ANNUAL MEAN	77.7		60.9		61.4	
HIGHEST ANNUAL MEAN					27.2	
LOWEST ANNUAL MEAN					1,330	
HIGHEST DAILY MEAN	573	Oct 29	573	Oct 29	1,330	Jan 25, 1979
LOWEST DAILY MEAN	9.4	Jul 31	3.1	Sep 7	0.60	Aug 9, 1979
ANNUAL SEVEN-DAY MINIMUM	11	Aug 26	3.6	Sep 1	1.2	Aug 3, 1979
MAXIMUM PEAK FLOW			2,130	Oct 29	3,200	Jun 17, 2001
MAXIMUM PEAK STAGE			6.87	Oct 29	8.10	Jun 8, 2001
INSTANTANEOUS LOW FLOW			2.9	Sep 6	1.6	Aug 27, 2002
ANNUAL RUNOFF (CFSM)	2.90		2.27		1.88	
ANNUAL RUNOFF (INCHES)	39.36		30.93		25.53	
10 PERCENT EXCEEDS	154		122		107	
50 PERCENT EXCEEDS	57		51		30	
90 PERCENT EXCEEDS	19		6.0		4.7	



01204000 POMPERAUG RIVER AT SOUTHURY, 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. Ground-water diversions can affect the natural flow regime. Out-of-basin flow diversion for municipal supply for the 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)
Oct 27	2345	1,530	6.72	Dec 17	2345	2,090	7.51
Oct 29	1515	*3,090	*8.83	Dec 25	0000	1,450	6.61
Nov 20	0800	1,840	7.15	Apr 14	0400	1,460	6.63
Dec 11	1745	1,910	7.24	Aug 21	1645	1,510	6.69

Minimum discharge, 11 ft³/s, Aug. 9, 10, 11, gage height, 2.31 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	331	252	205	e72	e75	594	154	170	18	23	16
2	177	284	217	195	e66	e84	447	149	132	19	19	16
3	152	253	184	199	e64	e95	300	181	98	18	17	15
4	139	226	170	222	e105	e115	254	264	80	16	15	15
5	134	263	166	407	e88	e170	225	172	75	29	18	14
6	118	332	170	291	e134	349	190	151	67	49	17	14
7	109	260	175	e220	e296	270	170	136	64	28	14	14
8	101	213	161	e180	e158	218	158	121	57	22	13	29
9	96	196	153	e160	e120	194	150	130	51	19	12	88
10	91	179	155	e150	e107	179	137	123	48	17	11	54
11	88	175	884	e140	e99	168	128	123	47	15	17	32
12	92	173	584	e135	e94	158	128	109	40	15	21	25
13	109	176	334	e130	e89	140	561	94	37	23	19	21
14	90	158	265	e125	e86	127	928	86	37	25	15	18
15	318	144	330	e120	e84	127	481	81	39	21	24	17
16	159	136	260	e115	e81	121	340	101	35	18	30	17
17	128	135	762	e110	e78	122	281	80	32	15	32	16
18	120	138	946	e150	e76	117	243	75	39	19	23	515
19	127	193	452	e130	e75	116	220	196	44	19	18	224
20	132	1,110	351	e120	e74	118	194	110	32	17	17	102
21	118	414	293	e110	e73	213	168	87	26	14	392	69
22	123	299	264	e100	e72	170	162	79	24	12	188	52
23	106	255	255	e95	e71	128	186	106	24	17	74	42
24	98	236	644	e88	e70	123	183	157	22	70	47	37
25	93	274	740	e84	e69	121	148	106	21	32	34	34
26	93	222	424	e80	e69	118	339	87	21	22	28	30
27	429	201	338	e78	e70	124	373	134	20	24	25	28
28	673	240	292	e120	e71	117	237	184	18	62	23	107
29	1,240	554	266	e115	e72	105	191	134	23	37	21	439
30	687	296	251	e95	---	101	166	92	21	26	19	163
31	415	---	227	e82	---	420	---	77	---	23	18	---
TOTAL	6,767	8,066	10,965	4,551	2,683	4,803	8,282	3,879	1,444	761	1,244	2,263
MEAN	218	269	354	147	92.5	155	276	125	48.1	24.5	40.1	75.4
MAX	1,240	1,110	946	407	296	420	928	264	170	70	392	515
MIN	88	135	153	78	64	75	128	75	18	12	11	14
CFSM	2.91	3.58	4.71	1.95	1.23	2.06	3.68	1.67	0.64	0.33	0.53	1.00
IN.	3.35	4.00	5.43	2.25	1.33	2.38	4.10	1.92	0.72	0.38	0.62	1.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2004, BY WATER YEAR (WY)

MEAN	74.8	120	152	162	160	257	232	147	96.6	53.3	54.1	54.5
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

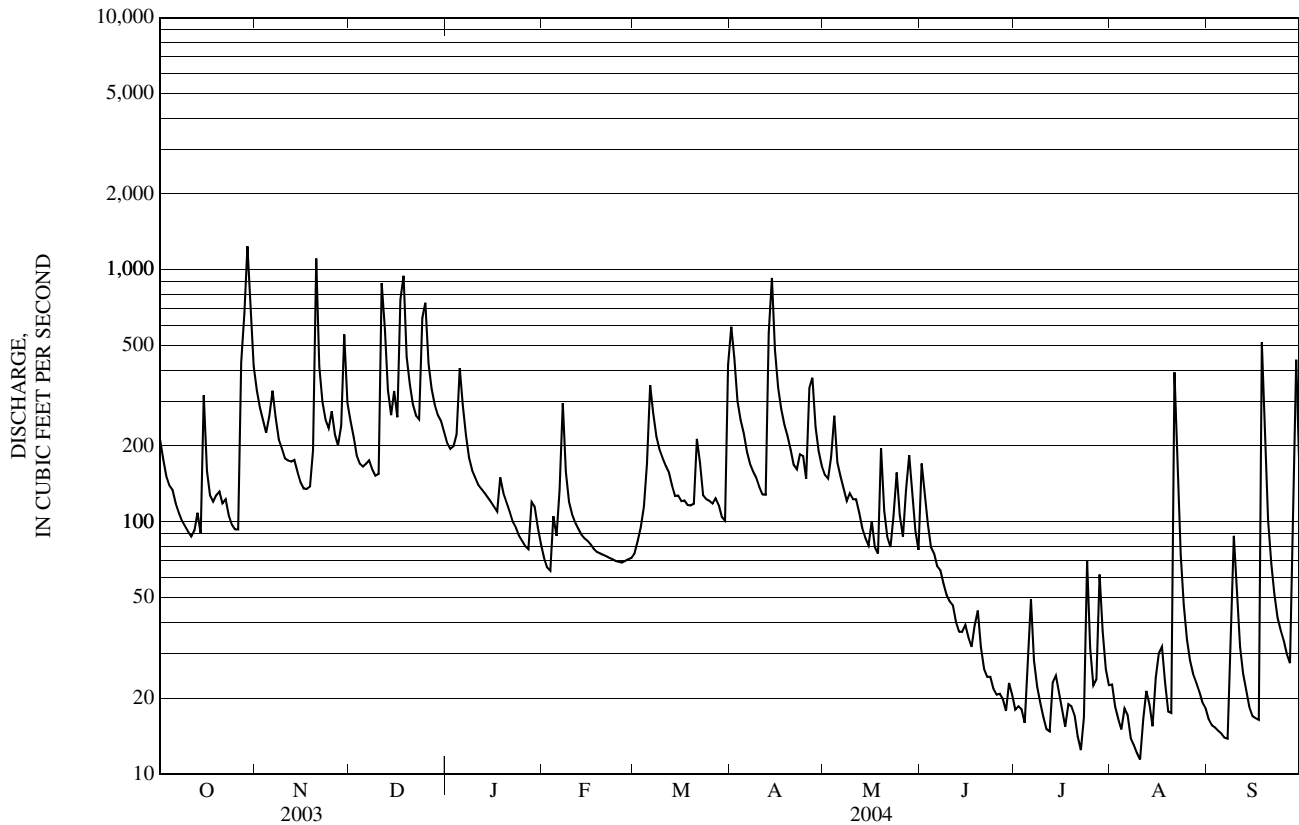
01204000 POMPERAUG RIVER AT SOUTHBURY, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1933 - 2004	
ANNUAL TOTAL	72,432		55,708		130	
ANNUAL MEAN	198		152		208	
HIGHEST ANNUAL MEAN					53.8	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1,250	Mar 21	1,240	Oct 29	9,510	Aug 19, 1955
LOWEST DAILY MEAN	31	Aug 31	11	Aug 10	3.3	Aug 30, 1966
ANNUAL SEVEN-DAY MINIMUM	34	Aug 26	14	Aug 4	3.9	Sep 9, 1977
MAXIMUM PEAK FLOW			3,090	Oct 29	a 29,400	Aug 19, 1955
MAXIMUM PEAK STAGE			8.83	Oct 29	b 21.80	Aug 19, 1955
INSTANTANEOUS LOW FLOW			11	Aug 9	c 2.5	Aug 30, 1966
ANNUAL RUNOFF (CFSM)	2.64		2.03		1.73	
ANNUAL RUNOFF (INCHES)	35.88		27.59		23.55	
10 PERCENT EXCEEDS	403		322		276	
50 PERCENT EXCEEDS	144		115		80	
90 PERCENT EXCEEDS	51		18		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.



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. The natural flow regime is regulated by Stevenson Hydroelectric Plant, Lake Candlewood, Lake Lillinonah, Lake Zoar, Cairns and Shepaug Reservoirs, and by diversion out of basin at Shepaug Reservoir. Effects of flood-control dams in the Blackberry River Basin on peak flows at the gaging station are insignificant..

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,000 ft³/s, Sept. 18, gage height, 11.82 ft; minimum discharge, 57 ft³/s, Oct. 25, gage height, 0.68 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,820	8,770	6,770	6,190	922	2,060	8,100	5,390	2,670	1,410	646	383
2	5,950	7,690	6,710	6,250	2,360	2,600	7,160	3,530	2,870	477	1,520	872
3	4,910	6,550	5,400	6,220	2,930	3,230	6,330	3,450	2,960	106	1,250	1,940
4	3,670	5,350	4,770	6,210	1,910	3,860	6,340	3,510	3,940	104	1,700	1,220
5	3,510	5,280	3,600	6,110	1,480	3,680	6,310	3,370	2,010	922	672	345
6	3,520	5,450	4,120	6,840	2,000	3,630	6,340	3,510	1,300	507	1,610	852
7	2,750	5,570	5,180	6,040	3,760	4,550	3,610	3,310	954	118	108	1,200
8	3,430	3,980	3,620	4,130	2,020	4,740	3,580	2,800	3,010	829	106	1,240
9	3,230	4,020	3,210	5,040	2,650	4,630	4,530	2,310	2,590	1,400	1,820	1,950
10	1,550	3,870	5,260	4,670	2,170	3,400	3,310	941	1,600	106	839	3,490
11	2,520	3,700	8,720	3,270	2,130	2,990	3,090	2,430	1,430	106	655	3,120
12	1,970	4,120	11,800	2,590	1,940	3,350	3,150	2,190	2,000	1,590	3,560	3,640
13	2,450	3,360	9,350	2,840	1,540	2,710	4,820	2,450	1,460	656	2,720	1,580
14	2,770	3,680	7,990	4,360	1,370	2,060	9,170	1,980	1,400	654	1,750	1,170
15	3,760	2,800	7,440	3,420	1,190	2,440	7,420	2,160	1,040	624	671	1,380
16	2,740	2,170	7,100	3,440	1,210	2,580	6,820	1,960	1,420	1,500	381	1,190
17	2,750	3,560	9,280	2,790	2,330	2,390	5,700	2,170	1,020	107	2,010	1,300
18	3,380	3,570	13,100	1,430	2,310	2,380	3,850	1,800	105	1,200	2,290	9,830
19	2,280	5,040	11,600	2,590	1,440	2,190	3,860	1,770	1,760	106	1,590	11,800
20	2,270	7,480	10,100	2,750	1,410	2,250	3,880	2,160	829	1,500	1,630	7,890
21	3,030	6,900	7,760	2,340	1,050	1,640	3,400	2,380	1,580	107	4,460	6,410
22	3,230	6,490	6,980	2,200	868	3,130	3,260	1,610	997	1,430	6,960	6,540
23	2,750	5,600	7,490	2,010	1,990	2,020	3,630	1,600	1,480	106	3,950	5,270
24	3,110	6,050	9,960	1,780	1,650	2,600	3,580	1,760	104	955	3,290	3,220
25	2,710	5,700	14,200	997	1,660	2,390	4,480	1,980	1,620	819	2,520	2,710
26	2,950	5,730	12,700	3,030	1,220	1,690	4,510	2,410	1,430	1,350	2,150	2,250
27	5,210	5,740	10,600	1,680	1,430	2,430	4,960	2,930	107	1,240	1,420	2,010
28	7,730	5,120	9,400	1,780	1,330	2,430	4,730	3,970	1,450	111	1,410	3,610
29	10,100	6,140	7,910	1,430	1,230	3,690	6,190	4,200	909	1,990	1,580	8,310
30	11,000	6,610	6,760	1,430	---	3,950	4,140	2,940	106	1,610	1,500	7,860
31	10,400	---	6,590	1,080	---	5,310	---	2,320	---	109	1,560	---
TOTAL	128,450	156,090	245,470	106,937	51,500	93,000	150,250	81,291	46,151	23,849	58,328	104,582
MEAN	4,144	5,203	7,918	3,450	1,776	3,000	5,008	2,622	1,538	769	1,882	3,486
MAX	11,000	8,770	14,200	6,840	3,760	5,310	9,170	5,390	3,940	1,990	6,960	11,800
MIN	1,550	2,170	3,210	997	868	1,640	3,090	941	104	104	106	345

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
MEAN	1,493	2,284	2,915	3,002	2,934	4,778	5,249	3,259	2,241	1,283	1,141	1,177
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)

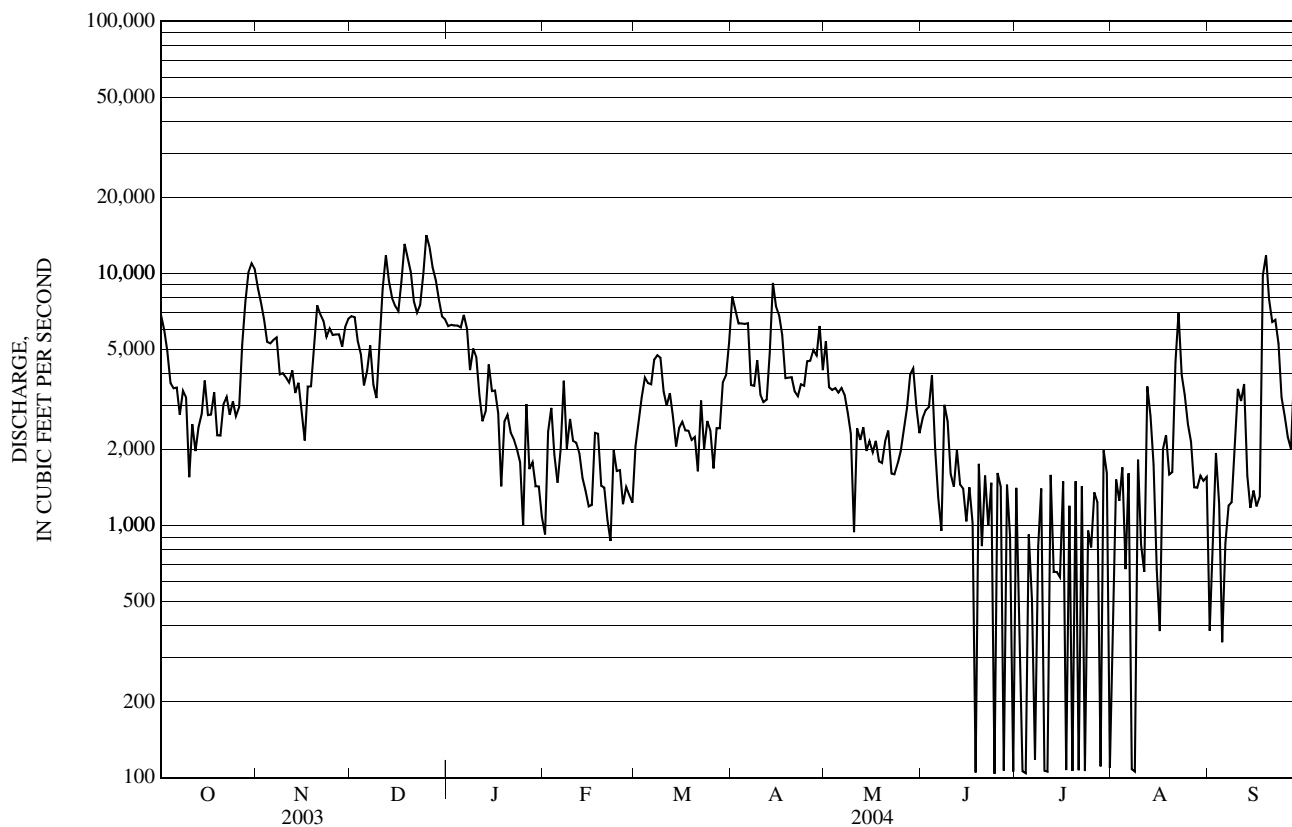
01205500 HOUSATONIC RIVER AT STEVENSON, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	1,404,762		1,245,898		2,643	
ANNUAL MEAN	3,849		3,404		3,956	
HIGHEST ANNUAL MEAN					990	
LOWEST ANNUAL MEAN					62,400	
HIGHEST DAILY MEAN	19,500	Mar 22	14,200	Dec 25	62,400	Oct 16, 1955
LOWEST DAILY MEAN	101	Aug 24	104	Jun 24	0.00	Oct 12, 1930
ANNUAL SEVEN-DAY MINIMUM	715	Aug 26	438	Jul 2	56	Aug 13, 1984
MAXIMUM PEAK FLOW			16,000	Sep 18	a 75,800	Oct 16, 1955
MAXIMUM PEAK STAGE			11.82	Sep 18	b 24.50	Oct 16, 1955
INSTANTANEOUS LOW FLOW			57	Oct 25	c	
10 PERCENT EXCEEDS	7,570		6,920		5,900	
50 PERCENT EXCEEDS	3,080		2,720		1,860	
90 PERCENT EXCEEDS	1,210		898		233	

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.



01205500 HOUSATONIC RIVER AT STEVENSON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952-53, 1955-56, 1959, 1961, 1963, 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1974 to September 1981.

WATER TEMPERATURES: November 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 390 microsiemens Sept. 14, 1977; minimum recorded, 46 microsiemens Mar. 25, 1980.

WATER TEMPERATURES: Maximum recorded, 30.5°C Aug. 3, 6-9, 1976; minimum, 0.0°C many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 18...	1345	4,560	2.0	11.7	97	7.4	233	11.5	7.5	92	23.6	7.94	1.77
JAN 23...	1315	104	1.5	14.6	101	7.8	262	<5.0	.5	100	26.6	9.06	1.46
MAY 17...	1045	4,610	1.8	10.0	102	8.0	246	20.0	17.0	93	24.6	7.61	1.28
JUL 29...	1315	4,640	2.2	6.0	70	7.9	304	24.5	23.5	120	29.8	10.4	1.70

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltr inc tit field, mg/L as CaCO ₃ (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 18...	11.0	81	99	.0	17.7	<.2	6.62	8.2	139	136	.23	.27	.04
JAN 23...	13.2	85	104	.0	22.1	<.2	5.84	9.9	143	140	.18	.21	E.03n
MAY 17...	12.1	80	98	.0	22.8	<.2	3.26	8.7	131	131	.18	.34	E.04n
JUL 29...	14.9	102	124	.0	26.3	<.2	2.73	8.8	180	184	.23	.37	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	.40	<.008	.23	E.01n	.017	.030	.67	5.7	6k	8k	8	<.20	12
JAN 23...	.61	<.008	--	E.01n	.013	.026	.82	2.8	<1k	2k	6	<.20	12
MAY 17...	.28	.008	--	<.02	.004	.024	.62	3.1	14	20	12	<.20	13
JUL 29...	.29	.012	--	<.02	.006	.024	.66	6.4	2k	4k	5	<.20	15

01205500 HOUSATONIC RIVER AT STEVENSON, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
NOV 18...	<.06	<.04	<.8	.111	.6	35	<.08	13.5	<.4	.47	<.2	E.3n	.26
JAN 23...	<.06	<.04	<.8	.117	.7	28	<.08	22.9	E.3n	.72	<.2	.8	.30
MAY 17...	<.06	<.04	<.8	.116	.8	15	E.07n	9.7	E.3n	.45	<.2	.7	.31
JUL 29...	<.06	<.04	<.8	.141	.7	E6n	<.08	52.0	.6	.78	<.2	<.6	.40

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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. Peak flows are affected by flood-control regulation at Thomaston Dam, Hall Meadow Brook Dam, and East Branch Dam. The natural flow regime can be altered by regulation at Thomaston Dam, Hall Meadow Brook Dam, and East Branch Dam.

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, 1,820 ft³/s, Oct. 30, gage height, 4.79 ft; minimum discharge, 23 ft³/s, July 23, gage height, 1.68 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	835	336	245	123	115	742	153	233	36	43	36
2	293	377	269	229	117	218	1,350	145	298	42	49	34
3	241	327	215	247	116	320	1,230	171	212	43	40	32
4	219	291	193	293	155	328	473	291	154	33	32	31
5	231	437	190	568	125	295	341	198	120	40	67	29
6	194	480	198	402	193	444	271	161	107	89	52	28
7	168	388	208	272	624	389	242	156	100	46	39	28
8	150	294	188	227	511	273	218	144	86	41	34	63
9	137	246	172	e175	288	225	200	141	77	45	31	272
10	127	225	169	e165	206	197	183	139	87	36	29	152
11	123	217	388	e165	162	192	169	153	76	31	37	96
12	174	212	1,100	e170	132	197	181	130	65	29	45	70
13	234	238	1,170	186	116	174	709	114	58	49	51	55
14	158	213	345	218	108	150	1,290	103	59	43	55	48
15	777	187	374	204	100	148	855	96	58	36	82	42
16	432	165	298	216	93	148	402	110	51	31	81	40
17	257	164	337	232	96	149	314	89	47	29	73	41
18	208	164	1,120	194	90	143	272	99	55	30	56	394
19	210	248	1,450	182	88	138	239	116	86	57	46	991
20	216	1,310	749	166	84	137	218	89	62	44	97	871
21	190	921	332	152	85	232	192	100	51	33	383	156
22	181	406	290	153	89	219	191	84	46	29	676	108
23	161	312	248	149	86	160	298	107	44	27	147	88
24	144	268	295	147	84	158	280	162	42	84	93	76
25	133	317	431	e145	81	183	197	132	44	47	70	68
26	139	263	980	e140	80	191	384	160	81	34	58	61
27	747	234	1,170	e139	80	238	485	308	52	33	51	56
28	1,140	277	889	165	84	227	273	374	42	142	47	371
29	873	822	356	163	96	187	203	234	42	68	43	1,040
30	1,580	597	298	151	---	161	172	150	38	47	41	503
31	1,470	---	274	136	---	572	---	118	---	40	40	---
TOTAL	11,779	11,435	15,032	6,396	4,292	6,908	12,574	4,727	2,573	1,414	2,688	5,880
MEAN	380	381	485	206	148	223	419	152	85.8	45.6	86.7	196
MAX	1,580	1,310	1,450	568	624	572	1,350	374	298	142	676	1,040
MIN	123	164	169	136	80	115	169	84	38	27	29	28

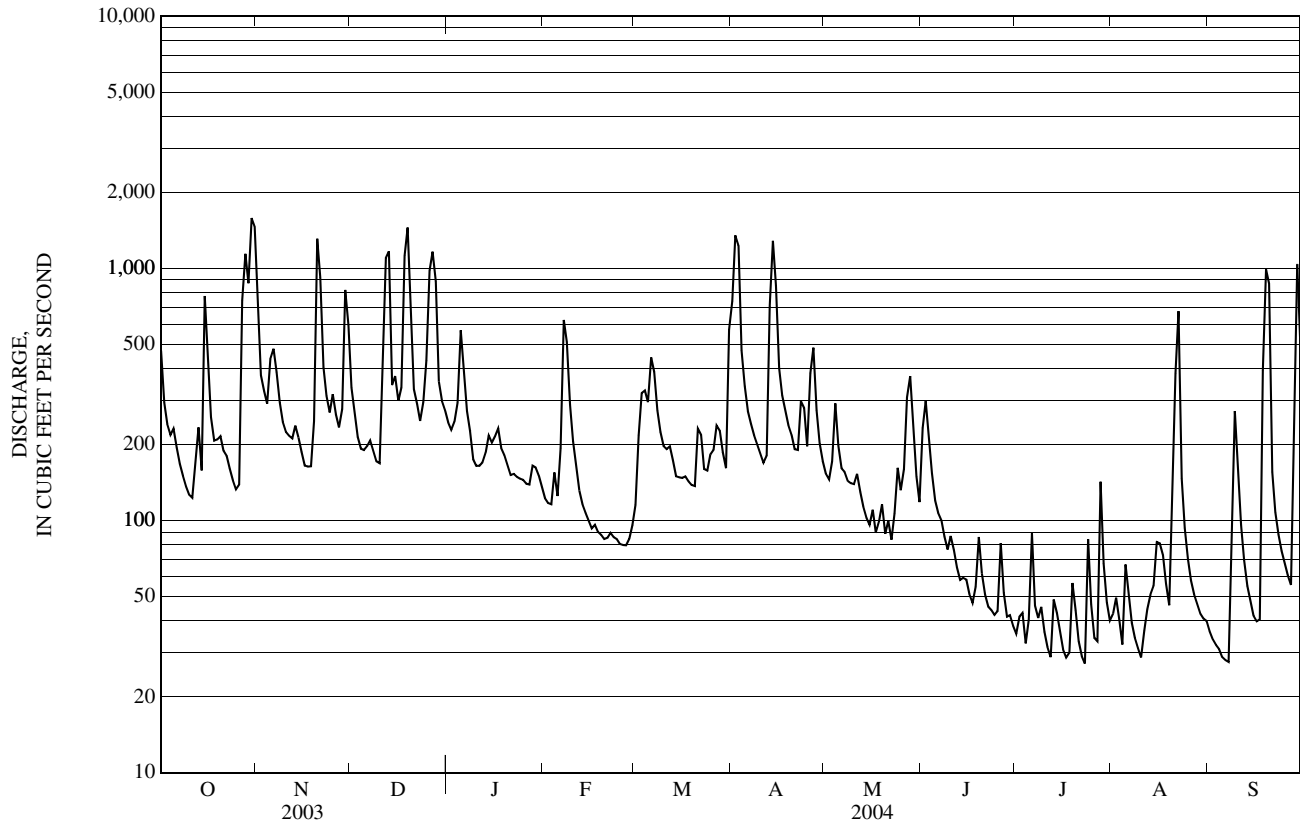
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	130	187	233	231	233	396	384	222	161	78.9	75.7	84.2
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	108,160		85,698		201	
ANNUAL MEAN	296		234		76.6	
HIGHEST ANNUAL MEAN					300	
LOWEST ANNUAL MEAN					76.6	
HIGHEST DAILY MEAN	2,060	Mar 22	1,580	Oct 30	3,550	Mar 10, 1979
LOWEST DAILY MEAN	32	Jul 31	27	Jul 23	8.4	Sep 14, 1964
ANNUAL SEVEN-DAY MINIMUM	39	Aug 26	31	Sep 1	9.4	Aug 13, 2002
MAXIMUM PEAK FLOW			1,820	Oct 30	5,140	Mar 31, 1960
MAXIMUM PEAK STAGE			4.79	Oct 30	6.25	Mar 31, 1960
INSTANTANEOUS LOW FLOW			23	Jul 23	5.6	Sep 1, 1999
10 PERCENT EXCEEDS	669		475		437	
50 PERCENT EXCEEDS	196		160		114	
90 PERCENT EXCEEDS	64		42		26	



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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 12...	1415	307	1.9	12.1	98	7.3	147	14.0	6.0	30	7.89	2.53	2.02
JAN 14...	1415	151	1.9	14.6	100	7.4	179	<5.0	.0	31	7.88	2.71	1.90
MAR 10...	1415	247	1.8	13.7	103	7.3	167	5.0	4.5	33	8.45	2.94	1.87
MAY 05...	1330	316	2.2	10.2	94	7.3	141	14.5	11.5	28	7.36	2.24	1.62
JUN 02...	1330	326	4.9	9.6	97	7.5	134	26.0	15.0	29	7.62	2.50	1.51
JUL 19...	1330	54	3.1	8.7	104	7.7	295	26.0	23.5	44	12.0	3.30	3.78
AUG 18...	1345	62	2.3	8.5	98	7.5	209	27.0	21.5	41	11.4	2.98	2.74
SEP 16...	1200	48	2.4	8.8	99	7.5	246	21.0	21.0	40	11.2	3.01	3.07

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd, inc tit field, mg/L as CaCO ₃ (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 12...	14.8	19	23	.0	20.5	<.2	8.18	11.9	86	87	.25	.31	.04
JAN 14...	19.6	18	21	.0	27.8	<.2	7.96	13.7	95	98	.28	.29	.13
MAR 10...	19.8	18	21	.0	29.1	<.2	6.61	10.4	93	91	.25	.32	.09
MAY 05...	13.9	17	20	.0	20.8	<.2	5.37	11.9	87	85	.33	.41	.09
JUN 02...	13.6	20	24	.0	19.3	<.2	6.16	8.9	90	80	.24	.35	.05
JUL 19...	35.5	32	39	.0	45.2	.2	3.13	29.9	165	164	.39	.54	.06
AUG 18...	20.3	26	32	.0	29.8	<.2	4.95	18.1	114	125	.47	.44	.06
SEP 16...	28.0	31	38	.0	33.7	<.2	4.55	24.6	139	143	.42	.48	.04

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 12...	.46	.011	.27	E.01n	.029	.045	.77	3.1	92k	140	25	<.20	16
JAN 14...	.71	.021	.16	E.02n	.025	.039	1.0	2.4	110	180	22	<.20	17
MAR 10...	.53	.008	.23	E.02n	.025	.038	.85	2.7	38	41	27	<.20	15
MAY 05...	.45	.018	.33	<.04d	.027	.043	.86	3.8	47	72k	24	<.20	15
JUN 02...	.46	.014	.30	.05	.064	.102	.81	4.4	140	180	17	<.20	14
JUL 19...	.90	.032	.49	.13	.169	.22oc	1.4	5.2	40k	44	16	E.18n	16
AUG 18...	.82	.025	.39	.10	.124	.163	1.3	4.8	72	71k	16	E.14n	14
SEP 16...	.80	.023	.44	.11	.131	.163	1.3	5.3	51	49	19	E.12n	17

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	<.06	.09	1.2	.288	2.0	102	.09	49.7	<.4	5.09	<.2	10.8	.06
JAN 14...	<.06	.12	1.3	.391	2.2	74	.12	48.8	E.3n	7.21	<.2	13.7	.06
MAR 10...	<.06	.10	E.6n	.322	2.1	114	.12	41.1	E.2n	4.69	<.2	10.1	.06
MAY 05...	<.06	.06	.8	.293	2.2	109	.12	54.1	<.4	4.92	<.2	7.9	.07
JUN 02...	<.06	E.04n	.9	.207	2.3	126	.20	38.6	<.4	3.19	<.2	4.8	.05
JUL 19...	<.06	.15	2.6	.461	6.7	81	.24	21.8	.7	13.7	<.2	8.4	.05
AUG 18...	<.06	.06	1.2	.190	3.2	157	.27	32.8	.5	6.67	<.2	5.5	.07
SEP 16...	<.06	.08	1.7	.223	5.7	207	.65	61.1	.6	11.3	<.2	6.2	.10

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

o -- Result determined by alternate method

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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 13...	1215	576	3.5	11.0	98	7.3	202	7.5	9.0	37	10.1	2.84	2.72
JAN 15...	1310	343	2.5	14.3	101	7.2	254	<-5.0	1.0	43	12.0	3.26	2.85
MAR 11...	1400	423	2.5	13.0	107	7.4	227	14.0	7.0	40	10.8	3.10	2.88
MAY 06...	1215	568	2.0	10.6	104	7.4	197	24.0	14.5	36	10.2	2.55	2.36
JUN 03...	1245	471	4.5	9.4	102	7.4	177	25.0	19.5	33	8.72	2.66	2.24
JUL 20...	1315	152	6.7	10.1	126	8.3	358	29.0	26.5	56	16.6	3.65	5.63
AUG 19...	1345	125	2.8	9.2	114	7.8	315	29.5	25.5	54	15.6	3.54	5.20
SEP 15...	1115	116	1.5	9.9	109	7.7	313	21.0	20.5	59	17.1	3.87	5.32

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 13...	20.9	20	25	.0	29.5	<.2	8.73	17.7	115	114	.43	.37	E.04n
JAN 15...	26.9	21	26	.0	38.4	.2	8.76	23.1	142	143	.37	.55	.14
MAR 11...	26.8	17	21	.0	38.3	.2	7.05	18.2	129	123	.54	.64	.29
MAY 06...	20.9	18	21	.0	31.7	<.2	6.18	17.8	117	117	.28	.36	E.04n
JUN 03...	19.0	19	23	.0	26.7	.2	6.57	14.5	110	101	.30	.40	<.04
JUL 20...	42.7	33	40	.0	53.9	.6	4.69	41.2	212	199	.49	.81	E.04n
AUG 19...	33.4	32	39	.0	43.6	.7	5.58	35.8	178	177	.44	.53	<.04
SEP 15...	32.9	34	41	.0	44.2	1.0	6.53	32.7	180	184	.41	.49	E.03n

01208370 NAUGATUCK RIVER BELOW FULLING MILL BROOK AT UNION CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	.88	.016	--	.20	.23oc	.25oc	1.3	3.4	440	1,200	24	E.13n	16
JAN 15...	1.31	.045	.41	.49	.50oc	.60oc	1.9	4.9	2,100	7,800k	28	E.14n	18
MAR 11...	.72	.029	.35	.35	.38oc	.43oc	1.4	3.8	64	700	31	E.19n	13
MAY 06...	.79	.029	--	.33	.33oc	.37oc	1.1	3.7	10k	37k	29	E.14n	15
JUN 03...	.83	.013	--	.42	.40oc	.47oc	1.2	4.5	44	120	27	E.16n	12
JUL 20...	.94	.027	--	.92	.90oc	1.05oc	1.8	6.7	110	440	48	.29	12
AUG 19...	1.49	E.007n	--	1.21d	1.26oc	1.34oc	2.0	4.6	100	280k	44	.30	12
SEP 15...	.78	.012	--	.97	.99oc	.99oc	1.3	5.1	160	200	51	.22	13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 recoverable, ug/L (01034)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, fltrd, ug/L (01056)
NOV 13...	<.06	.36	.46	1.0	1.0	.328	5.7	9.1	87	360	.25	1.62v	60.7
JAN 15...	<.06	.18	.19	1.1	1.5	.593	8.6	11.2	101	270	.30	.84	99.4
MAR 11...	<.06	.14	.14	E.5n	.8	.409	10.7	11.8	101	270	.26	.72	59.6
MAY 06...	<.06	.11	.15	E.6n	.9	.295	7.4	8.9	132	310	.19	.71	56.3
JUN 03...	<.06	.06	.12	E.4n	1.4	.185	5.2	8.3	138	600	.24	1.65	35.3
JUL 20...	<.06	.11	.25	1.3	6.6	.529	8.6	18.1	75	590	.67	4.21	46.2
AUG 19...	<.06	.10	.15	1.3	1.2	.363	7.7	10.6	132	370	.36	1.57	49.0
SEP 15...	<.06	.15	.18	.8	1.2	.505	7.6	9.3	131	270	.38	.83	50.2

01208370 NAUGATUCK RIVER BELOW FULLING MILL BROOK AT UNION CITY, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Molyb- denum, 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 13...	.8	5.15	5.81	<.2	20.8	28	.04
JAN 15...	1.3	7.21	6.97	<.2	30.2	32	.07
MAR 11...	.8	5.07	5.17	<.2	16.2	20	.06
MAY 06...	.8	4.72	4.98	<.2	16.8	18	.06
JUN 03...	.9	3.77	4.64	<.2	9.3	17	.05
JUL 20...	3.2	11.6	12.8	<.2	15.6	33	.08
AUG 19...	3.4	8.09	8.68	<.2	14.6	21	.07
SEP 15...	3.5	7.70	8.07	<.2	20.0	22	.06

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

o -- Result determined by alternate method

v -- Analyte detected in laboratory blank

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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. Peak flows are affected by flood-control regulation at Thomaston Dam, Hall Meadow Brook Dam, Black Rock Lake, Hop Brook Lake, East Branch Dam, Northfield Brook Lake, and Hancock Brook Lake. The natural flow regime can be altered by regulation at water-supply reservoirs (Pitch, Morris, and Wigwam) and flood-control reservoirs (Thomaston Dam, Hall Meadow Brook Dam, Black Rock Lake, Hop Brook Lake East Branch Dam, Northfield Brook Lake, and Hancock Brook Lake. 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, 6,330 ft³/s, Oct. 29, gage height, 8.78 ft; minimum discharge, 84 ft³/s, Sept. 6, 7, gage height, 1.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,050	1,750	856	717	251	378	2,390	634	608	134	184	125
2	682	1,070	723	678	246	540	1,890	614	602	151	155	113
3	586	910	621	692	284	757	1,970	702	551	143	133	108
4	528	813	560	779	480	780	1,280	1,070	428	124	120	104
5	541	927	554	1,360	343	731	932	761	356	277	176	101
6	496	1,220	575	1,110	506	1,040	760	667	317	326	168	98
7	451	991	586	785	976	973	684	585	308	198	126	97
8	422	799	550	621	652	725	636	519	280	147	108	236
9	399	682	514	521	472	649	592	520	253	138	103	549
10	375	628	514	415	442	589	548	504	260	126	99	440
11	362	605	1,780	419	406	557	516	500	242	112	126	278
12	377	613	2,050	473	353	536	506	465	217	107	188	210
13	511	640	1,800	488	347	486	1,990	419	199	148	167	175
14	404	591	1,020	416	336	433	3,980	369	201	160	147	150
15	1,300	522	1,070	405	313	436	2,430	362	204	140	283	136
16	950	478	889	351	264	428	1,340	422	187	123	303	128
17	602	475	1,780	376	277	444	1,030	354	171	117	238	124
18	541	479	2,800	389	286	430	902	321	198	112	188	1,670
19	533	605	2,390	377	276	433	817	522	280	149	156	1,210
20	560	3,240	1,600	346	272	428	734	392	223	157	163	1,190
21	510	1,980	987	329	285	685	661	342	177	128	1,430	648
22	497	1,070	879	323	304	665	631	317	166	111	1,230	314
23	441	860	833	305	301	500	782	384	159	152	601	256
24	403	764	1,490	288	295	473	890	506	142	334	320	218
25	369	848	1,920	264	273	495	680	439	138	204	242	197
26	363	744	1,560	265	265	502	1,250	363	168	149	202	180
27	1,350	676	1,770	266	269	543	1,590	664	161	137	176	170
28	2,590	757	1,470	280	279	547	985	733	140	425	161	504
29	3,610	1,620	1,040	279	328	469	772	697	191	251	147	2,030
30	2,900	1,220	846	266	---	424	692	461	149	182	137	1,090
31	2,290	---	789	268	---	1,400	---	372	---	152	134	---
TOTAL	26,993	28,577	36,816	14,851	10,381	18,476	34,860	15,980	7,676	5,314	8,111	12,849
MEAN	871	953	1,188	479	358	596	1,162	515	256	171	262	428
MAX	3,610	3,240	2,800	1,360	976	1,400	3,980	1,070	608	425	1,430	2,030
MIN	362	475	514	264	246	378	506	317	138	107	99	97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

	323	480	581	607	603	991	956	603	414	241	251	248
MEAN	323	480	581	607	603	991	956	603	414	241	251	248
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)

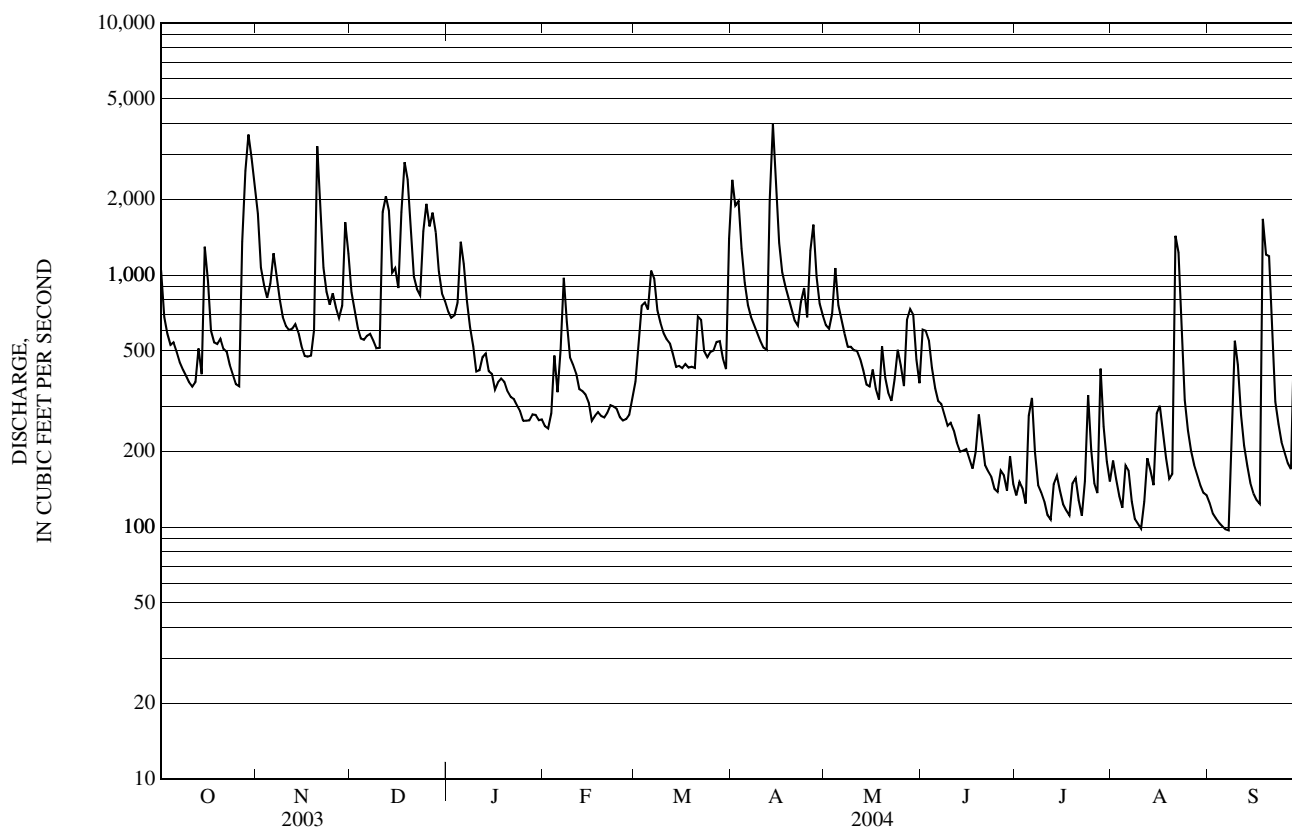
01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	274,752		220,884		524	
ANNUAL MEAN	753		604		830	
HIGHEST ANNUAL MEAN					237	
LOWEST ANNUAL MEAN					56,400	
HIGHEST DAILY MEAN	3,680	Mar 22	3,980	Apr 14	Aug 19, 1955	
LOWEST DAILY MEAN	136	Jul 31	97	Sep 7	c 40	
ANNUAL SEVEN-DAY MINIMUM	158	Aug 26	107	Sep 1	Jul 11, 1971	
MAXIMUM PEAK FLOW			6,330	Oct 29	a 106,000	
MAXIMUM PEAK STAGE			8.78	Oct 29	b 25.70	
INSTANTANEOUS LOW FLOW			84	Sep 6	24	
10 PERCENT EXCEEDS	1,600		1,260		1,120	
50 PERCENT EXCEEDS	555		443		325	
90 PERCENT EXCEEDS	208		146		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 2003 TO SEPTEMBER 2004

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, 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 13...	0930	627	1.9	11.1	97	7.3	198	12.5	8.5	37	10.2	2.81	2.62
JAN 15...	0930	381	2.3	14.5	100	7.2	246	<5.0	.0	43	11.9	3.23	2.73
MAR 11...	1030	576	2.3	14.2	108	7.3	218	6.5	4.0	38	10.5	2.95	2.56
MAY 06...	0930	675	1.7	10.8	102	7.2	187	18.5	12.5	33	9.35	2.42	2.20
JUN 03...	0930	606	5.3	10.0	103	7.4	172	22.5	17.0	33	8.81	2.57	2.15
JUL 20...	0900	161	4.8	8.9	105	7.6	346	27.0	23.0	59	17.6	3.64	5.10
AUG 19...	0945	151	2.4	7.8	91	7.5	305	25.5	22.5	52	15.3	3.46	5.44
SEP 15...	0830	129	1.6	9.9	105	7.5	315	20.0	19.0	59	17.1	3.93	5.13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 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)
NOV 13...	20.1	20	24	.0	29.1	<.2	8.99	17.0	113	112	.28	.34	.04
JAN 15...	25.8	22	27	.0	37.8	.2	9.04	20.1	139	129	.45	.60	.22
MAR 11...	24.9	21	26	.0	36.6	<.2	7.02	15.8	118	108	.41	.52	.22
MAY 06...	19.5	19	23	.0	30.2	<.2	6.27	15.6	111	106	.32	.41	.09
JUN 03...	19.0	21	26	.0	26.5	<.2	6.68	13.1	109	104	.25	.40	E.02n
JUL 20...	40.1	31	38	.0	54.6	.6	5.08	36.5	338	201	.47	.86	.06
AUG 19...	31.4	31	38	.0	43.8	.7	5.79	33.2	174	173	.41	.50	<.04
SEP 15...	32.6	32	39	.0	45.1	1.0	6.36	32.0	180	185	.52	.61	.12

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	.91	.019	.30	.14	.169	.19oc	1.2	3.0	860	2,900	23	<.20	17
JAN 15...	1.20	.055	.39	.28	.29oc	.38oc	1.8	2.9	5,100	14,000k	23	E.12n	18
MAR 11...	.77	.011	.30	.24	.26oc	.29oc	1.3	2.8	40k	1,000	29	E.13n	14
MAY 06...	.72	.027	.32	.17d	.184	.23oc	1.1	3.7	48	84	25	E.11n	15
JUN 03...	.72	.015	--	.22	.23oc	.30oc	1.1	4.7	150	110	20	E.15n	12
JUL 20...	1.38	.062	.80	.58	.61oc	.74oc	2.2	6.4	300	430	17	.27	14
AUG 19...	1.51	.008	--	1.00	.96oc	1.05oc	2.0	4.8	180	240	16	.27	14
SEP 15...	1.19	.030	.49	1.12d	1.14oc	1.21oc	1.8	4.6	150	350	25	.23	13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 13...	<.06	.11	.13	1.5	.9	.297	4.1	5.5	125	350	.17	.71v	63.5
JAN 15...	<.06	.17	.18	E.7n	1.1	.537	6.2	8.4	184	360	.22	.64	104
MAR 11...	<.06	.12	.13	E.5n	E.7n	.393	6.0	7.0	124	290	.15	.51	62.8
MAY 06...	<.06	.09	.13	E.5n	.9	.274	5.6	7.1	154	380	.17	.70	55.9
JUN 03...	<.06	.05	.14	E.7n	1.7	.155	4.2	8.5	156	750	.28	2.19	33.7
JUL 20...	<.06	.10	.19	.8	1.9	.400	7.7	12.4	107	610	.41	2.39	55.1
AUG 19...	<.06	.10	.14	E.5n	1.1	.315	6.8	9.6	159	460	.30	1.44	54.2
SEP 15...	<.06	.12	.16	.9	.8	.384	7.5	8.8	199	360	.35	.75	56.5

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 13...	.7	5.00	5.44	<.2	20.9	22	E.04n
JAN 15...	1.0	6.42	6.33	<.2	34.8	36	.05
MAR 11...	.6	5.94	5.98	<.2	20.0	24	.04
MAY 06...	.6	4.86	5.22	<.2	20.7	21	.04
JUN 03...	.6	4.33	5.57	<.2	10.4	21	.05
JUL 20...	3.2	10.9	12.1	<.2	15.8	33	.04
AUG 19...	3.4	12.2	13.0	<.2	18.5	27	E.03n
SEP 15...	3.9	9.81	10.2	<.2	21.1	25	E.04n

Remark codes used in this table:

< -- Less than
E -- Estimated value

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 LRL and above the LT-MDL
o -- Result determined by alternate method
v -- Analyte detected in laboratory blank

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 2003 TO SEPTEMBER 2004

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, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 12...	1115	682	2.3	11.6	97	7.3	194	12.5	7.5	37	10.3	2.82	2.51
JAN 14...	1100	428	3.0	14.6	100	7.4	268	<-5.0	.5	43	11.9	3.27	2.78
MAR 10...	1115	771	4.8	14.0	106	7.2	210	4.0	4.5	37	10.3	2.79	2.50
MAY 05...	1015	991	2.4	10.8	100	7.4	165	17.0	12.0	31	8.64	2.22	1.93
JUN 02...	1030	558	4.4	9.5	99	7.4	182	27.0	17.0	37	10.6	2.60	2.33
JUL 19...	0930	140	4.6	8.5	102	7.9	358	24.0	24.5	59	17.2	3.92	5.81
AUG 18...	1015	182	3.8	8.7	101	7.7	254	28.5	23.0	47	13.7	3.12	3.90
SEP 16...	0915	136	1.7	9.3	104	7.6	302	24.0	21.0	56	16.5	3.65	5.13

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO ₃ (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 12...	19.4	20	25	.0	27.9	.2	9.22	16.7	113	114	.39	.43	.12
JAN 14...	30.3	24	29	.0	44.7	<.2	9.56	18.9	148	136	.56	.57	.33
MAR 10...	23.8	21	25	.0	35.5	.2	7.28	14.4	118	120	.47	.61	.30
MAY 05...	16.5	18	21	.0	25.7	<.2	6.58	14.1	104	97	.29	.37	.07
JUN 02...	18.7	21	25	.0	28.8	<.2	7.04	13.1	118	105	.33	.49	.10
JUL 19...	42.2	37	45	.0	54.5	.7	3.79	38.6	202	199	.56	.94	.06
AUG 18...	25.5	30	36	.0	37.1	.3	5.62	24.1	141	142	.43	.47	.05
SEP 16...	31.7	34	41	.0	42.4	.8	4.64	30.2	182	176	.69	.74	.23

01208736 NAUGATUCK RIVER AT ANSONIA, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 12...	1.03	.015	.31	.17	.20oc	.24oc	1.5	3.1	1,700k	2,600k	23	<.20	15
JAN 14...	1.23	.018	.24	.22	.25oc	.31oc	1.8	4.4	2,900	6,000	20	E.14n	17
MAR 10...	.77	.028	.31	.22	.24oc	.28oc	1.4	3.3	320	1,100	27	E.12n	13
MAY 05...	.68	.032	.29	.14d	.141	.192	1.1	3.7	31k	27	21	E.10n	15
JUN 02...	.92	.021	.40	.20	.200	.29oc	1.4	5.0	150	240	16	E.12n	13
JUL 19...	1.05	.050	.87	.95	.93oc	1.10oc	2.0	6.3	68k	62k	23	.30	10
AUG 18...	.93	.013	.42	.37	.39oc	.44oc	1.4	4.9	58k	200	25	.23	11
SEP 16...	.29	.038	.51	.97	.95oc	1.00oc	1.0	4.7	33k	88	26	.22	11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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...	<.06	.12	E.7n	.269	8.6	118	.16	64.3	.7	5.42	<.2	23.0	E.04n
JAN 14...	<.06	.18	E.6n	.470	14.2	133	.22	91.1	.7	5.69	<.2	31.5	.04
MAR 10...	<.06	.13	E.4n	.334	8.3	111	.23	61.6	.6	4.62	<.2	19.9	.04
MAY 05...	<.06	.09	<.8	.215	9.0	107	.19	50.3	.6	3.88	<.2	19.3	.04
JUN 02...	<.06	.06	E.6n	.235	9.8	138	.27	59.7	.8	4.48	<.2	12.1	E.03n
JUL 19...	<.06	.18	E.6n	.481	22.0	112	.31	30.8	3.7	11.1	<.2	12.8	.06
AUG 18...	<.06	.08	<.8	.259	13.5	109	.29	77.7	2.2	6.69	<.2	9.3	.05
SEP 16...	<.06	.11	E.4n	.406	16.5	125	.42	56.2	3.5	9.12	<.2	14.8	.07

Remark codes used in this table:

< -- Less than

E -- Estimated value

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 LRL and above the LT-MDL

o -- Result determined by alternate method

HOUSATONIC RIVER BASIN

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.

HOUSATONIC RIVER BASIN

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, 1,740 ft³/s, Sept. 18, gage height, 10.09 ft; minimum discharge, 2.7 ft³/s, July 1, 2, 3, 4, 5, gage height, 2.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	13	11	13	e5.9	8.6	65	16	22	2.8	8.0	4.6
2	5.9	12	10	13	e5.8	9.1	29	16	21	2.7	5.3	4.2
3	5.6	11	9.4	13	48	8.9	27	28	9.2	3.7	4.8	4.0
4	5.6	11	9.3	23	25	9.0	27	21	6.9	2.7	5.4	3.9
5	5.3	17	9.4	34	11	8.7	20	15	6.3	91	39	3.8
6	5.0	17	9.6	16	103	29	18	14	6.0	6.6	5.7	3.8
7	4.7	14	9.9	e13	52	12	17	13	5.9	4.3	4.7	3.8
8	4.5	11	9.5	e12	19	12	15	12	5.7	3.9	4.3	70
9	4.5	10	9.1	e11	14	18	15	12	5.4	3.5	4.1	17
10	4.3	10	13	e10	17	14	14	11	5.2	3.3	4.0	7.1
11	4.1	10	118	e9.8	14	12	13	17	4.8	3.3	11	5.7
12	12	12	28	e9.0	12	11	19	11	4.5	6.2	6.1	5.2
13	5.2	11	20	e8.8	12	11	278	9.8	4.3	138	7.0	4.8
14	4.3	11	27	e8.4	12	10	103	9.5	4.2	11	5.0	4.3
15	36	11	66	e8.0	11	9.8	66	9.2	4.2	8.1	32	6.4
16	5.4	11	25	e8.0	e8.8	10	40	17	3.9	7.4	61	6.1
17	5.1	11	96	e7.8	e8.1	11	33	8.8	4.3	6.0	11	4.3
18	9.0	10	43	e7.5	9.2	11	28	9.7	7.6	e15	7.8	235
19	9.6	36	29	e7.4	9.1	13	25	8.4	5.3	e4.5	6.8	19
20	5.7	80	23	e7.1	8.7	15	22	7.7	3.8	e4.5	6.4	12
21	5.6	17	20	e7.0	10	33	18	7.5	3.5	e4.3	75	9.7
22	5.3	13	19	e6.9	10	16	17	7.3	4.8	4.1	13	8.5
23	4.7	12	18	e6.8	9.6	13	16	10	4.0	19	8.8	7.6
24	4.5	11	58	e6.6	9.1	13	24	9.4	3.5	22	7.3	7.0
25	4.3	19	28	e6.6	8.4	13	16	7.7	7.0	5.6	6.6	6.9
26	4.4	11	21	e6.6	8.0	12	72	7.3	4.7	4.9	6.1	6.5
27	79	11	18	e6.5	8.0	13	50	23	3.5	27	5.9	6.2
28	18	20	17	e6.4	8.2	11	24	15	3.3	32	5.6	79
29	109	18	16	e6.2	8.4	10	20	7.8	8.3	7.7	5.3	97
30	20	11	15	e6.0	---	10	18	6.9	3.2	6.2	5.1	18
31	15	---	14	e5.9	---	105	---	6.8	---	5.7	4.8	---
TOTAL	417.8	472	819.2	311.3	485.3	492.1	1,149	374.8	186.3	467.0	382.9	671.4
MEAN	13.5	15.7	26.4	10.0	16.7	15.9	38.3	12.1	6.21	15.1	12.4	22.4
MAX	109	80	118	34	103	105	278	28	22	138	75	235
MIN	4.1	10	9.1	5.9	5.8	8.6	13	6.8	3.2	2.7	4.0	3.8
CFSM	1.27	1.48	2.49	0.95	1.58	1.50	3.61	1.14	0.59	1.42	1.17	2.11
IN.	1.47	1.66	2.87	1.09	1.70	1.73	4.03	1.32	0.65	1.64	1.34	2.36

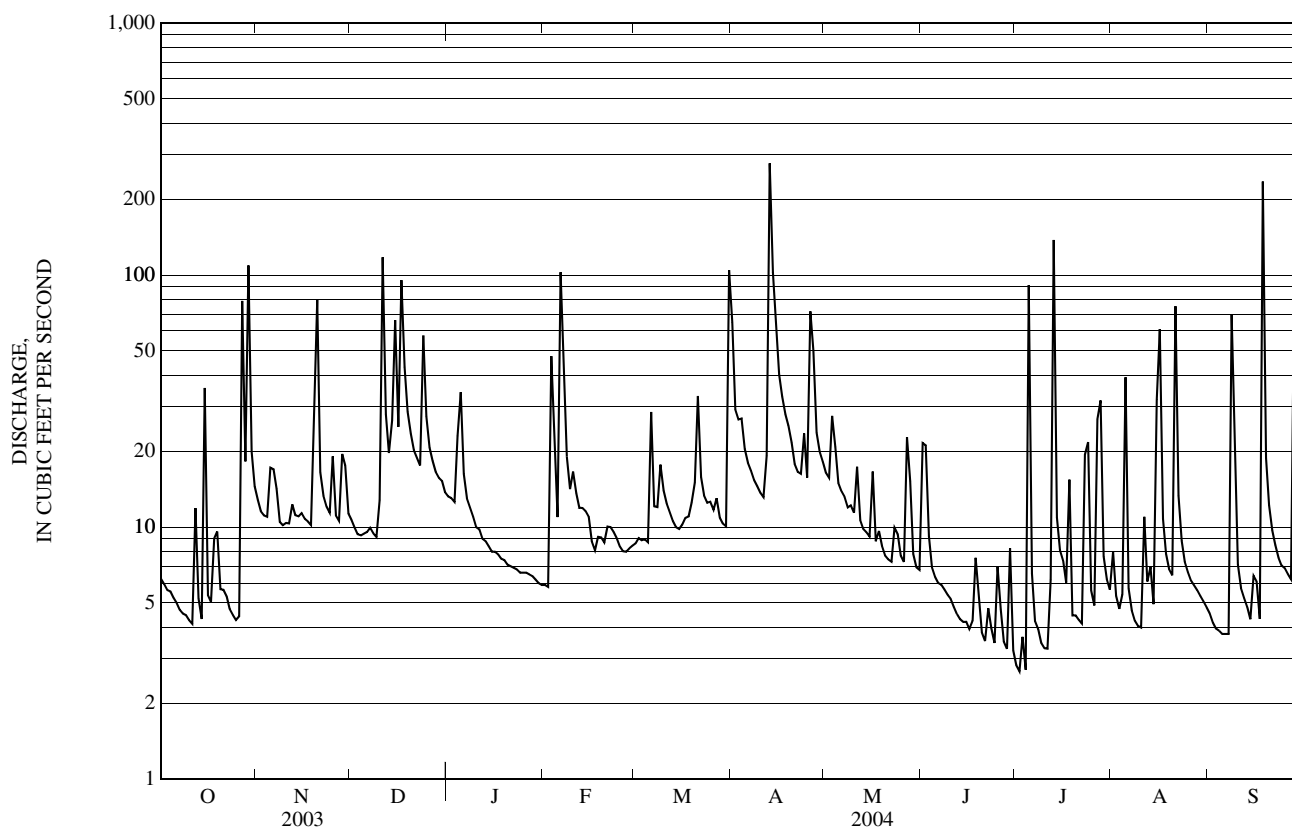
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

	MEAN	11.0	15.3	17.4	19.9	17.3	23.1	23.8	20.0	15.6	9.11	10.7	10.4
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	3.04	
(WY)	(2002)	(2002)	(1999)	(1981)	(2002)	(1985)	(1985)	(1986)	(1999)	(1999)	(1981)	(1986)	

e Estimated

01208873 ROOSTER RIVER AT FAIRFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	6,783.8		6,229.1		16.1	
ANNUAL MEAN	18.6		17.0		24.3	
HIGHEST ANNUAL MEAN					7.26	
LOWEST ANNUAL MEAN					858	
HIGHEST DAILY MEAN	152	May 26	278	Apr 13	7.26	1985
LOWEST DAILY MEAN	3.0	Jul 31	2.7	Jul 2	0.53	Sep 13, 1980
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 25	3.8	Jun 28	0.74	Sep 9, 1980
MAXIMUM PEAK FLOW			1,740	Sep 18	2,170	Apr 9, 1980
MAXIMUM PEAK STAGE			10.09	Sep 18	11.65	Apr 9, 1980
INSTANTANEOUS LOW FLOW			2.7	Jul 1	0.16	Oct 2, 1980
ANNUAL RUNOFF (CFSM)	1.75		1.61		1.52	
ANNUAL RUNOFF (INCHES)	23.81		21.86		20.66	
10 PERCENT EXCEEDS	35		29		30	
50 PERCENT EXCEEDS	11		9.9		9.4	
90 PERCENT EXCEEDS	4.6		4.3		2.6	



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, except those for periods of estimated record, which are fair. 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 for water supply of the cities of Bridgeport and Fairfield.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 777 ft³/s, Sept. 18, gage height, 5.14 ft; minimum discharge, 7.6 ft³/s, July 1, 3, 4, gage height, 1.01 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	90	61	59	17	32	196	63	24	8.1	13	13
2	16	75	54	56	17	38	170	59	25	8.3	12	11
3	14	63	51	54	28	46	130	66	24	8.1	11	10
4	13	54	37	58	54	75	111	82	17	7.9	11	11
5	12	52	37	86	42	76	110	60	15	52	28	10
6	11	61	47	85	95	101	82	55	14	16	13	10
7	10	64	56	69	165	102	68	49	14	12	10	10
8	10	58	40	e45	113	95	65	43	13	11	9.8	51
9	10	48	28	e35	77	96	62	41	12	9.5	9.5	33
10	9.7	41	27	e31	63	91	58	40	13	8.8	9.0	19
11	9.6	40	175	e30	56	59	53	45	12	8.2	12	14
12	11	42	235	28	50	52	52	38	11	8.9	13	13
13	11	45	148	e28	46	47	266	34	10	103	12	13
14	8.9	54	107	e27	45	41	545	30	11	25	12	11
15	27	38	184	e27	42	38	301	28	11	18	28	11
16	13	28	125	e24	37	39	184	34	10	15	83	14
17	12	24	196	e24	34	43	131	27	10	13	33	12
18	14	24	280	28	33	42	106	25	12	16	20	223
19	14	36	189	29	33	43	89	25	13	16	18	61
20	13	191	137	26	31	44	80	21	9.6	12	16	34
21	12	138	110	25	32	77	67	18	8.9	11	63	29
22	12	91	91	24	34	78	62	17	9.7	10	42	24
23	11	69	81	23	35	60	61	17	10	13	23	18
24	11	59	124	21	34	53	71	20	8.9	27	19	16
25	10	66	194	19	34	52	58	19	10	13	17	15
26	11	57	149	19	31	52	105	17	12	11	15	14
27	49	51	116	20	29	53	181	29	9.0	15	15	12
28	60	53	86	22	29	50	127	25	8.2	43	14	39
29	151	80	75	21	30	44	85	28	12	18	13	142
30	155	69	72	19	---	41	70	21	8.9	15	12	48
31	118	---	65	18	---	143	---	16	---	13	13	---
TOTAL	856.2	1,861	3,377	1,080	1,366	1,903	3,746	1,092	378.2	565.8	619.3	941
MEAN	27.6	62.0	109	34.8	47.1	61.4	125	35.2	12.6	18.3	20.0	31.4
MAX	155	191	280	86	165	143	545	82	25	103	83	223
MIN	8.9	24	27	18	17	32	52	16	8.2	7.9	9.0	10

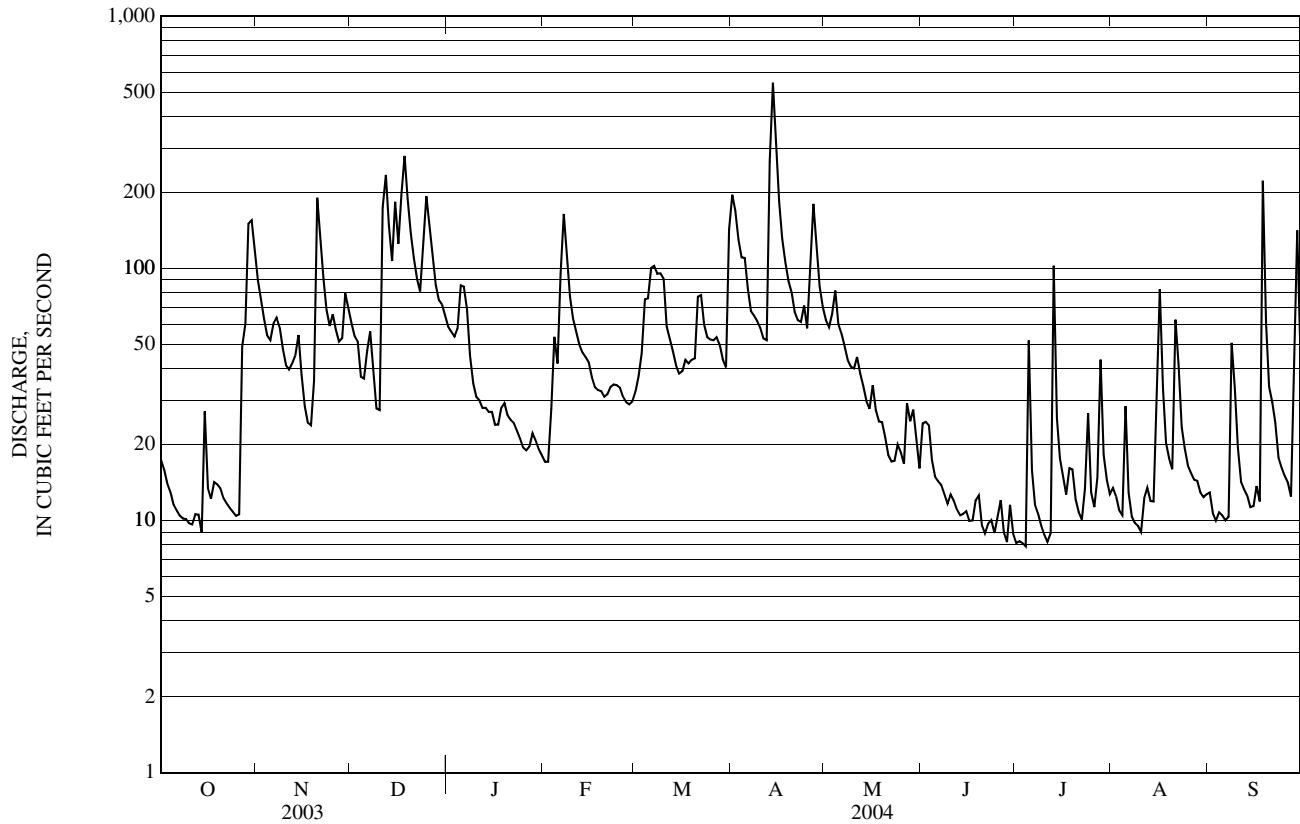
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	18.0	28.0	44.4	46.5	44.6	71.0	77.9	51.6	33.5	15.0	14.4	14.8
MAX	64.1	80.3	165	176	103	168	276	216	195	71.7	63.6	42.2
(WY)	(1997)	(1997)	(1997)	(1979)	(1973)	(1983)	(1983)	(1989)	(1982)	(1984)	(1992)	(1994)
MIN	2.98	8.00	7.04	3.13	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)

e Estimated

01208925 MILL RIVER NEAR FAIRFIELD, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	20,446.7		17,785.5		38.3	
ANNUAL MEAN	56.0		48.6		12.0	
HIGHEST ANNUAL MEAN					62.4	
LOWEST ANNUAL MEAN					12.0	
HIGHEST DAILY MEAN	280	Dec 18	545	Apr 14	1,300	Jun 6, 1982
LOWEST DAILY MEAN	5.9	Aug 31	7.9	Jul 4	0.00	Nov 7, 1979
ANNUAL SEVEN-DAY MINIMUM	6.5	Aug 25	8.8	Jun 28	0.71	Jul 16, 1987
MAXIMUM PEAK FLOW			777	Sep 18	1,800	Apr 10, 1980
MAXIMUM PEAK STAGE			5.14	Sep 18	7.15	Apr 10, 1980
INSTANTANEOUS LOW FLOW			7.6	Jul 1	0.00	Nov 7, 1979
10 PERCENT EXCEEDS	129		108		85	
50 PERCENT EXCEEDS	38		31		21	
90 PERCENT EXCEEDS	10		11		4.1	



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)
Oct 29	1245	154	2.96	Aug 16	1330	313	3.86
Dec 11	1730	183	3.16	Sep 18	1315	*425	*4.32
Dec 17	2100	172	3.09	Sep 29	0615	210	3.33
Apr 13	2245	313	3.86				

Minimum discharge, 0.71 ft³/s, July 4, 5, gage height, 1.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	16	13	15	e6.2	14	70	18	10	1.6	4.8	4.0
2	6.3	14	11	15	e6.2	15	42	17	13	1.1	4.3	3.4
3	5.7	13	9.9	15	8.9	15	28	20	10	1.00	3.1	3.0
4	5.2	12	9.2	18	26	15	27	25	7.6	0.80	3.0	2.8
5	4.8	12	9.5	34	15	14	25	18	6.6	13	13	2.6
6	4.4	17	9.5	24	39	30	19	17	6.0	4.5	6.0	2.6
7	4.0	17	11	16	76	22	18	15	5.8	2.8	3.7	2.6
8	3.9	13	11	12	32	17	16	13	5.3	1.9	2.9	36
9	3.4	11	11	9.8	20	19	15	12	4.4	1.5	2.6	23
10	3.1	10	12	7.6	19	19	14	12	4.2	1.2	2.2	11
11	3.1	10	97	7.2	18	16	14	15	4.0	1.0	2.4	6.9
12	3.3	12	65	e7.1	16	14	14	12	3.0	0.88	3.3	6.0
13	3.9	12	29	e7.0	15	13	116	11	2.6	48	3.1	5.1
14	3.7	9.8	22	e7.0	15	12	152	9.5	2.5	14	3.8	4.2
15	13	9.1	71	e7.0	13	12	71	9.2	2.7	7.1	11	4.0
16	7.6	9.0	37	e7.0	e10	12	45	14	2.3	4.6	124	4.7
17	5.6	8.8	81	e7.0	e9.9	13	33	11	2.0	3.5	42	4.5
18	6.2	8.6	89	e6.9	e9.6	12	28	9.5	2.6	4.8	14	159
19	6.0	12	41	e6.9	e9.5	13	25	9.6	2.6	6.9	10	48
20	6.1	68	30	e6.8	e9.2	15	22	8.7	2.4	4.3	8.7	18
21	5.5	27	24	e6.8	13	38	19	7.8	2.0	3.1	46	13
22	5.1	17	22	e6.8	14	24	18	7.8	1.7	2.5	36	10
23	4.8	15	21	e6.7	14	16	18	7.7	1.9	3.3	13	8.5
24	4.3	13	47	e6.6	13	15	21	8.7	1.7	15	9.5	7.5
25	4.2	18	56	e6.6	12	14	17	9.1	1.7	7.0	7.5	7.0
26	4.3	14	30	e6.6	11	14	46	7.8	2.3	4.4	6.6	6.5
27	31	12	23	e6.5	11	14	71	16	2.2	5.2	6.3	6.0
28	53	14	20	e6.4	11	13	30	12	1.7	30	6.0	26
29	90	23	18	e6.3	13	12	22	10	2.4	10	5.6	137
30	42	15	18	e6.3	---	12	20	7.4	1.8	6.4	4.8	39
31	21	---	17	e6.3	---	62	---	6.3	---	4.9	4.2	---
TOTAL	371.7	462.3	965.1	308.2	485.5	546	1,076	377.1	119.0	216.28	413.4	611.9
MEAN	12.0	15.4	31.1	9.94	16.7	17.6	35.9	12.2	3.97	6.98	13.3	20.4
MAX	90	68	97	34	76	62	152	25	13	48	124	159
MIN	3.1	8.6	9.2	6.3	6.2	12	14	6.3	1.7	0.80	2.2	2.6
CFM	1.62	2.09	4.22	1.35	2.27	2.39	4.86	1.65	0.54	0.95	1.81	2.76
IN.	1.87	2.33	4.86	1.55	2.45	2.75	5.42	1.90	0.60	1.09	2.08	3.08

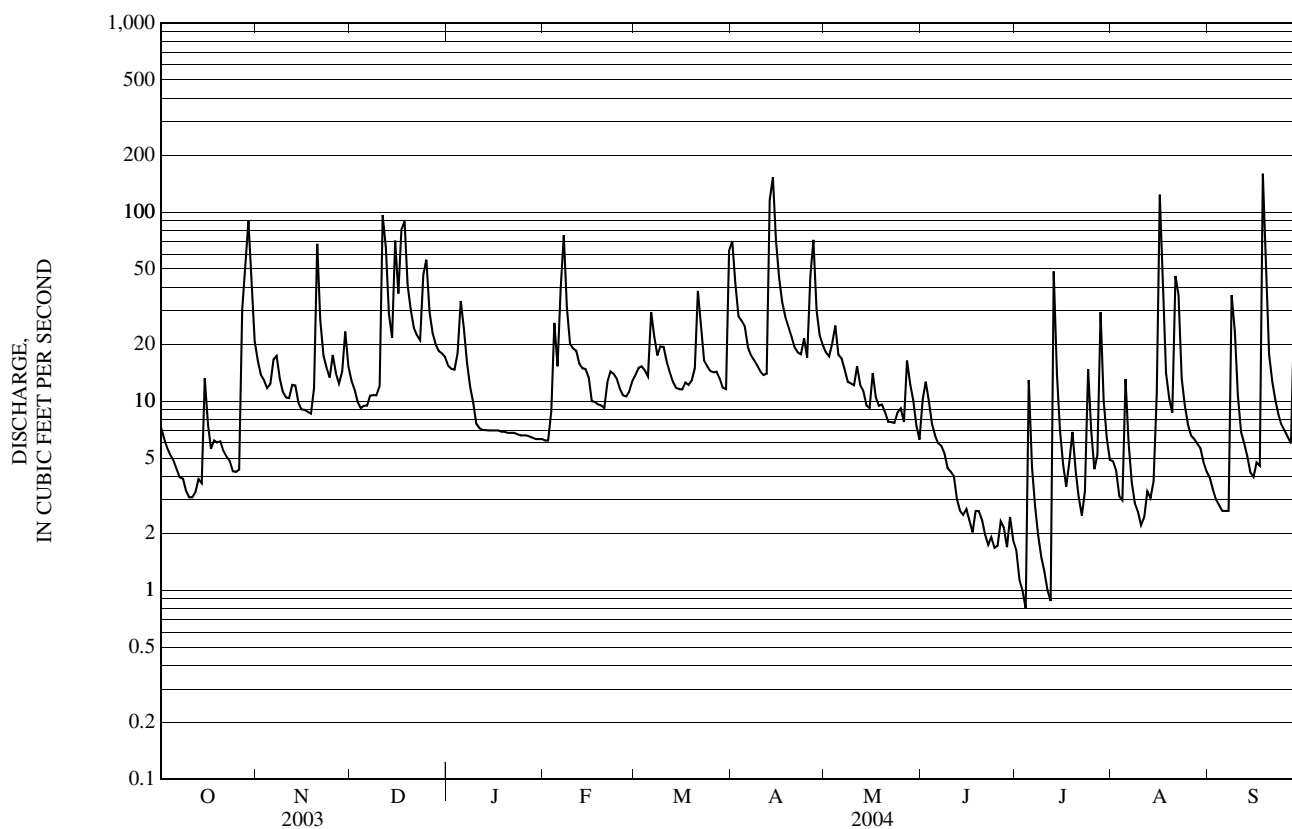
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	6.66	12.1	17.9	17.2	17.6	25.2	23.6	16.9	12.0	4.49	4.19	5.12
MEAN	6.66	12.1	17.9	17.2	17.6	25.2	23.6	16.9	12.0	4.49	4.19	5.12
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	0.08	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	6,526.07		5,952.48		13.6	
ANNUAL MEAN	17.9		16.3		22.2	
HIGHEST ANNUAL MEAN					4.47	
LOWEST ANNUAL MEAN					785	
HIGHEST DAILY MEAN	125	Feb 23	159	Sep 18	1,640	Jun 19, 1972
LOWEST DAILY MEAN	0.80	Aug 29	0.80	Jul 4	0.00	Jul 26, 1993
ANNUAL SEVEN-DAY MINIMUM	0.84	Aug 26	1.5	Jun 28	0.01	Oct 6, 1964
MAXIMUM PEAK FLOW			425	Sep 18	7.00	Jun 19, 1972
MAXIMUM PEAK STAGE			4.32	Sep 18	0.00	Jul 23, 1991
INSTANTANEOUS LOW FLOW			0.71	Jul 4	1.84	
ANNUAL RUNOFF (CFSM)	2.42		2.20		24.96	
ANNUAL RUNOFF (INCHES)	32.90		30.00		29	
10 PERCENT EXCEEDS	41		33		7.9	
50 PERCENT EXCEEDS	12		11		0.76	
90 PERCENT EXCEEDS	3.0		2.9			



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)
Oct 27	1800	214	3.02	Dec 24	1900	299	3.37
Oct 29	0900	278	3.29	Apr 13	2245	382	3.65
Nov 20	0600	268	3.25	Sep 18	0945	429	3.79
Dec 11	1330	*461	*3.88	Sep 29	0515	307	3.40
Dec 17	1915	326	3.47				

Minimum discharge, 1.9 ft³/s, July 12, 23, gage height, 0.84 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	83	79	73	e19	35	132	54	29	4.0	13	5.7
2	33	65	62	69	e19	43	128	53	27	3.4	9.5	4.8
3	28	53	53	66	e19	47	101	64	24	3.1	7.0	4.3
4	25	50	50	68	54	44	86	76	21	2.8	5.4	4.0
5	24	63	49	101	36	40	81	58	19	4.8	8.1	3.7
6	24	75	46	86	67	66	66	52	27	4.1	5.7	3.4
7	22	72	59	59	112	56	58	46	28	3.1	4.3	3.2
8	19	58	60	e47	76	45	53	38	21	2.6	3.7	56
9	17	49	56	e44	63	46	50	42	14	2.4	3.3	77
10	17	45	57	e40	44	46	45	38	12	2.2	2.7	55
11	16	44	270	e39	42	44	41	37	11	2.0	3.9	34
12	16	44	281	e37	38	43	40	32	9.4	2.0	5.7	21
13	16	48	186	e36	36	37	172	29	8.1	11	4.0	15
14	15	37	135	e33	35	36	293	27	7.4	7.2	3.5	11
15	58	33	162	e31	33	39	199	25	7.8	4.7	6.8	9.2
16	35	32	128	e29	39	37	139	34	6.6	3.6	30	8.9
17	27	33	201	e28	37	37	110	30	6.4	3.1	24	8.2
18	27	32	254	e27	e27	36	93	27	12	2.7	20	207
19	25	68	187	e27	e26	36	81	26	9.8	2.9	14	177
20	25	226	141	e26	e25	39	70	24	8.4	2.7	11	93
21	22	168	115	e25	e24	72	70	21	6.6	2.4	80	51
22	34	111	103	e24	31	52	61	19	6.1	2.2	105	35
23	34	87	97	e23	30	41	58	19	6.3	6.8	64	26
24	24	74	170	e22	29	40	62	24	5.6	35	31	22
25	20	83	219	e22	26	41	52	25	5.4	22	20	27
26	18	69	161	e21	25	41	107	22	6.2	16	13	21
27	77	55	123	e20	25	41	137	29	5.4	12	10	16
28	115	68	105	e20	26	37	92	37	4.4	36	8.8	61
29	184	131	96	e20	30	35	70	35	5.5	22	7.7	244
30	150	101	89	e19	---	36	59	31	5.0	16	6.7	172
31	102	---	78	e19	---	100	---	22	---	22	6.6	---
TOTAL	1,292	2,157	3,872	1,201	1,093	1,388	2,806	1,096	365.4	266.8	538.4	1,476.4
MEAN	41.7	71.9	125	38.7	37.7	44.8	93.5	35.4	12.2	8.61	17.4	49.2
MAX	184	226	281	101	112	100	293	76	29	36	105	244
MIN	15	32	46	19	19	35	40	19	4.4	2.0	2.7	3.2
CFSM	1.98	3.42	5.95	1.84	1.79	2.13	4.45	1.68	0.58	0.41	0.83	2.34
IN.	2.29	3.82	6.86	2.13	1.94	2.46	4.97	1.94	0.65	0.47	0.95	2.62

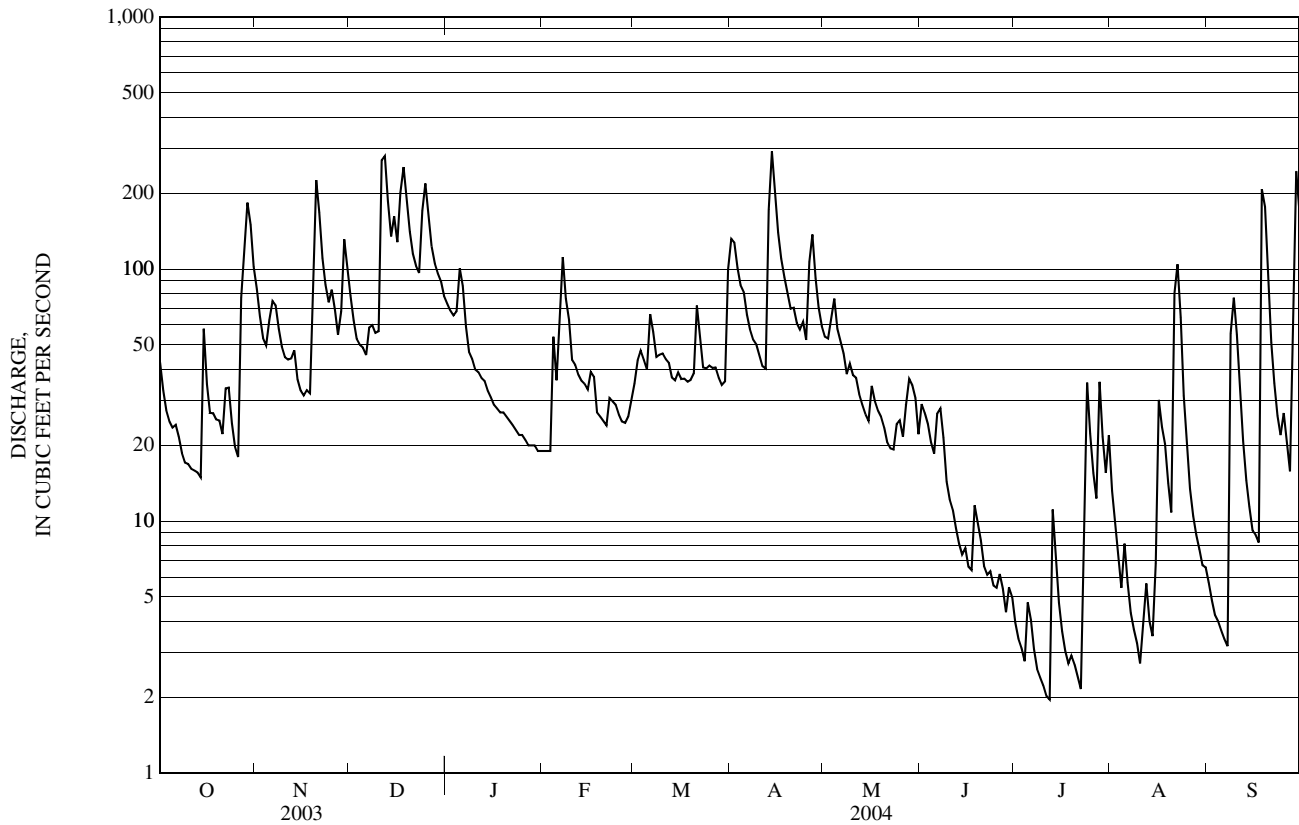
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	MEAN	20.1	37.0	56.0	51.8	53.8	78.5	70.6	48.2	31.3	14.1	11.8	16.1
MAX	87.9	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1	92.1
(WY)	(1997)	(1973)	(1984)	(1979)	(1970)	(1983)	(1983)	(1989)	(1972)	(1984)	(1976)	(1975)	(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	0.42
(WY)	(1965)	(1965)	(1966)	(1981)	(2002)	(1982)	(1985)	(1986)	(1995)	(1966)	(1966)	(1983)	(1983)

e Estimated

01208990 SAUGATUCK RIVER NEAR REDDING, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	20,606.0		17,552.0		40.7	
ANNUAL MEAN	56.5		48.0		74.8	
HIGHEST ANNUAL MEAN					16.2	
LOWEST ANNUAL MEAN					1,300	
HIGHEST DAILY MEAN	281	Dec 12	293	Apr 14	1,300	Mar 22, 1980
LOWEST DAILY MEAN	3.6	Aug 31	2.0	Jul 11	0.05	Sep 2, 1966
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 25	2.6	Jul 6	0.11	Aug 28, 1966
MAXIMUM PEAK FLOW			461	Dec 11	2,160	Mar 25, 1969
MAXIMUM PEAK STAGE			3.88	Dec 11	5.88	Mar 25, 1969
INSTANTANEOUS LOW FLOW			1.9	Jul 12	0.05	Sep 2, 1966
ANNUAL RUNOFF (CFSM)	2.69		2.28		1.94	
ANNUAL RUNOFF (INCHES)	36.50		31.09		26.33	
10 PERCENT EXCEEDS	127		106		92	
50 PERCENT EXCEEDS	43		34		25	
90 PERCENT EXCEEDS	12		5.4		2.6	



01208990 SAUGATUCK RIVER NEAR REDDING, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years, 1964, 1966, June 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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 unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, 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 22...	1015	35	1.4	11.0	100	7.8	223	9.0	10.0	80	21.0	6.75	2.38
JAN 23...	1045	25	1.2	14.7	102	7.6	234	<5.0	.0	87	23.1	7.00	1.79
APR 19...	1245	82	1.4	10.8	108	7.6	192	27.0	15.0	64	17.1	5.13	1.48
JUL 01...	1300	4.0	2.7	8.7	100	8.3	260	28.0	22.0	97	26.5	7.59	1.61

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, fltrd, mg/L (00930)	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)	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 unf 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 22...	11.7	65	80	.0	20.6	<.2	10.1	6.8	124	126	.29	.27	<.04
JAN 23...	11.7	67	82	.0	20.7	<.2	11.5	11.0	133	133	.15	.16	.04
APR 19...	11.8	46	55	.0	20.6	<.2	5.06	7.6	112	109	.15	.18	<.04
JUL 01...	12.6	80	95	.0	22.5	<.2	7.48	7.7	145d	140	.20	.27	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)
OCT 22...	<.06	<.008	--	<.02	.010	.016	--	5.6	18	21	8	<.20	16
JAN 23...	.41	<.008	.11	<.02	.005	.013	.57	2.1	7k	20	5	<.20	17
APR 19...	.14	<.008	--	<.02	.007	.018	.31	4.7	2k	11	12	<.20	15
JUL 01...	.15	<.008	--	<.02	.014	.029	.42	3.5	34	43	7	<.20	16

01208990 SAUGATUCK RIVER NEAR REDDING, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Silver, water, flt'd, ug/L (01075)	Zinc, water, flt'd, ug/L (01090)	Uranium natural water, flt'd, ug/L (22703)
OCT 22...	<.06	<.04	<.8	.103	.6	102	E.06n	10.5	<.4	.65	<.2	.6	.17
JAN 23...	<.06	<.04	<.8	.104	.5	60	<.08	19.4	<.4	.63	<.2	.6	.25
APR 19...	<.06	<.04	<.8	.084	.6	39	<.08	11.9	E.2n	.54	<.2	E.6n	.14
JUL 01...	<.06	<.04	<.8	.104	.5	70	E.06n	22.6	.4	<.06	<.2	<.6	.52

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

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 2003 to current year.

GAGE.--Water-stage recorder.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 72 ft³/s, Dec. 12, gage height, 3.62 ft; minimum discharge, 0.46 ft³/s, July 11, 12, gage height, 1.57 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	16	9.6	e2.1	8.5	27	8.5	6.3	1.3	e8.5	1.3
2	6.2	8.3	10	8.2	e2.1	12	25	7.6	6.6	0.93	e6.3	1.2
3	4.2	6.0	7.4	8.3	e2.4	14	20	8.7	6.1	0.74	e4.8	1.1
4	3.7	5.6	6.0	9.3	e7.1	13	15	11	4.5	0.61	e3.6	1.1
5	3.5	7.9	5.8	15	e6.6	11	13	10	3.2	0.87	e7.5	1.0
6	3.3	12	5.6	17	e6.6	15	11	9.0	2.9	1.4	e5.3	0.95
7	3.1	12	5.9	e12	e23	17	8.7	7.6	3.0	0.99	e3.9	0.97
8	3.1	9.8	6.2	e8.7	e22	14	7.4	6.4	2.6	0.77	e2.7	19
9	2.9	7.3	6.4	e6.1	e16	11	6.8	6.9	2.1	0.65	e2.2	45
10	2.9	6.5	7.1	e4.2	e12	9.9	6.2	6.4	1.9	0.55	e1.8	34
11	2.8	6.7	40	e2.9	e10	8.9	5.8	6.7	1.8	0.49	e1.9	23
12	2.8	7.1	65	e2.9	e7.9	8.0	5.7	5.9	1.5	0.48	e3.2	15
13	2.9	7.9	42	e3.1	e6.6	6.7	22	5.0	1.2	3.8	e2.9	9.6
14	3.0	7.9	26	e2.9	e6.0	5.6	47	4.2	1.2	4.7	e2.9	4.8
15	12	7.1	30	e2.7	e5.5	5.3	35	3.7	1.4	3.2	e4.7	3.1
16	14	6.2	23	e2.6	e4.5	5.4	26	6.8	1.2	1.8	e10	3.8
17	10	5.9	30	e2.5	e4.0	5.6	20	6.4	1.4	1.1	e13	3.4
18	6.8	6.0	45	e2.6	e3.9	5.7	14	5.1	3.7	0.90	10	e21
19	5.7	11	e34	e2.5	e4.1	6.2	11	4.1	3.0	2.2	5.5	e40
20	5.9	39	26	e2.4	e4.2	6.7	9.0	3.4	1.9	1.9	2.7	32
21	5.9	37	e20	e2.4	5.0	13	8.0	3.1	1.3	1.2	15	22
22	7.1	28	15	e2.4	6.2	14	7.4	3.0	1.2	0.94	26	15
23	6.3	20	13	e2.4	6.4	11	7.6	3.7	1.5	5.0	20	9.5
24	5.6	14	26	e2.3	6.3	8.2	8.7	6.2	1.3	21	13	6.1
25	5.1	13	42	e2.3	5.4	7.4	8.0	7.2	1.1	18	7.3	4.8
26	5.1	12	33	e2.3	4.6	7.5	13	6.4	1.8	13	3.2	4.2
27	13	9.7	26	e2.2	4.3	7.6	22	7.4	1.6	9.6	2.1	3.8
28	25	10	19	e2.2	4.7	7.3	19	10	1.1	14	1.8	10
29	30	23	15	e2.2	6.3	6.2	15	9.6	2.0	e12	1.6	46
30	25	23	12	e2.2	---	5.3	11	7.4	2.1	e8.7	1.4	42
31	20	---	11	e2.2	---	16	---	5.1	---	e9.2	1.4	---
TOTAL	257.9	382.9	669.4	150.6	205.8	293.0	455.3	202.5	72.5	142.02	196.2	424.72
MEAN	8.32	12.8	21.6	4.86	7.10	9.45	15.2	6.53	2.42	4.58	6.33	14.2
MAX	30	39	65	17	23	17	47	11	6.6	21	26	46
MIN	2.8	5.6	5.6	2.2	2.1	5.3	5.7	3.0	1.1	0.48	1.4	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
2003	8.32	30	2.8	(2004)
2004	12.8	39	5.6	(2004)
2005	21.6	65	5.6	(2004)
2006	4.86	17	2.2	(2004)
2007	7.10	23	2.1	(2004)
2008	9.45	17	5.3	(2004)
2009	15.2	47	5.7	(2003)
2010	6.53	11	3.0	(2004)
2011	2.42	6.6	1.1	(2004)
2012	4.58	21	0.48	(2003)
2013	6.33	26	1.4	(2003)
2014	14.2	46	0.95	(2003)

e Estimated

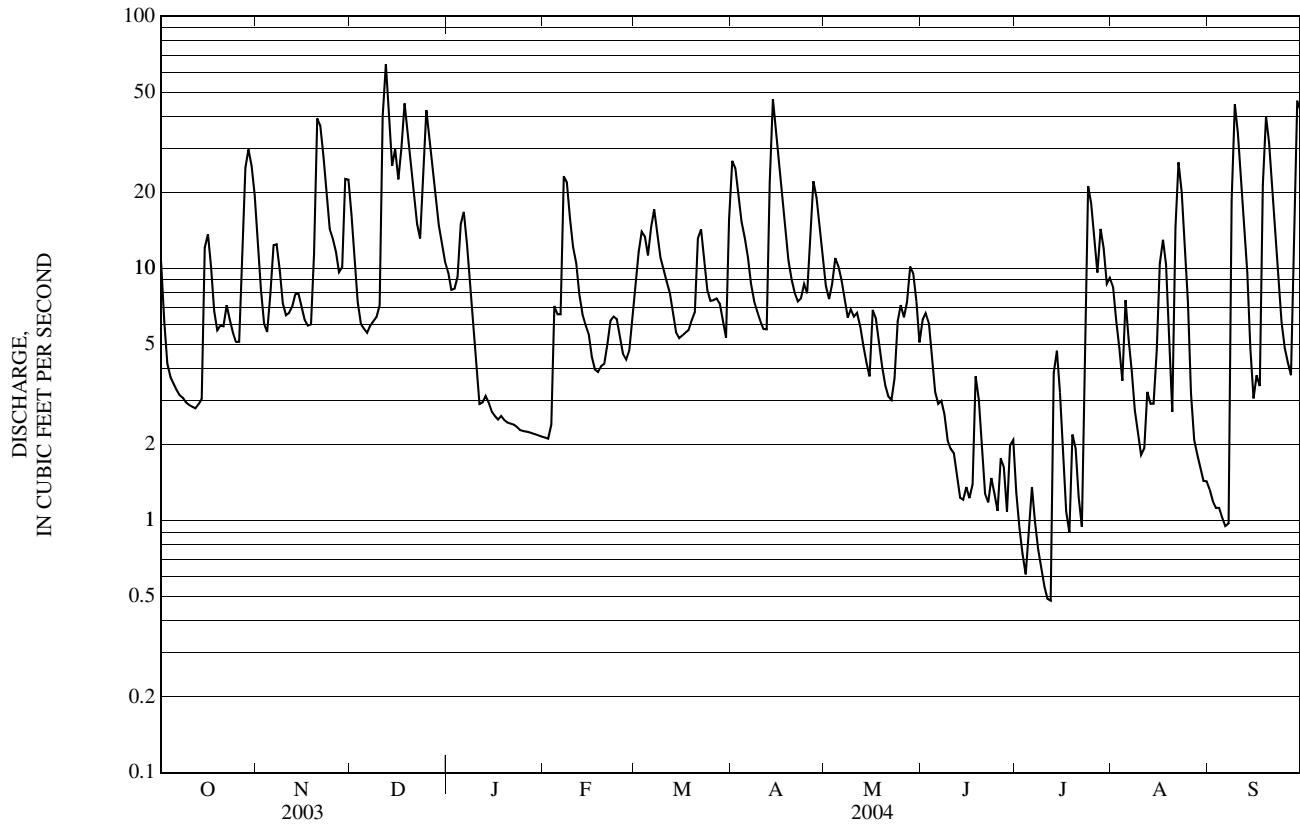
012095493 RIDGEFIELD BROOK AT SHIELDS LANE AT RIDGEFIELD, CT—Continued

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	3,452.84		
ANNUAL MEAN	9.43		9.43
HIGHEST ANNUAL MEAN			9.43 2004
LOWEST ANNUAL MEAN			9.43 2004
HIGHEST DAILY MEAN	65	Dec 12	65 Dec 12, 2003
LOWEST DAILY MEAN	0.48	Jul 12	0.48 Jul 12, 2004
ANNUAL SEVEN-DAY MINIMUM	0.76	Jul 6	0.76 Jul 6, 2004
MAXIMUM PEAK FLOW	72	Dec 12	72 Dec 12, 2003
MAXIMUM PEAK STAGE	3.62	Dec 12	3.62 Dec 12, 2003
INSTANTANEOUS LOW FLOW	0.46	Jul 11	0.46 Jul 11, 2004
10 PERCENT EXCEEDS	22		22
50 PERCENT EXCEEDS	6.4		6.4
90 PERCENT EXCEEDS	1.5		1.5



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. City of Norwalk diverts an indeterminable amount of water from Streets (Popes) Pond, drainage area 2.36 mi². High flows can be 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)
Oct 27	1900	508	3.04	Apr 27	0230	319	2.57
Oct 29	1015	393	2.77	Aug 16	1105	330	2.60
Nov 20	0600	561	3.15	Aug 21	1520	455	2.92
Dec 11	1715	880	3.73	Sep 8	1420	425	2.85
Dec 17	2330	612	3.25	Sep 18	1405	*1,340	*4.42
Dec 24	2100	537	3.10	Sep 29	0735	997	3.92
Apr 14	0215	1,100	4.08				

Minimum discharge, 4.8 ft³/s, July 12, gage height, 0.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

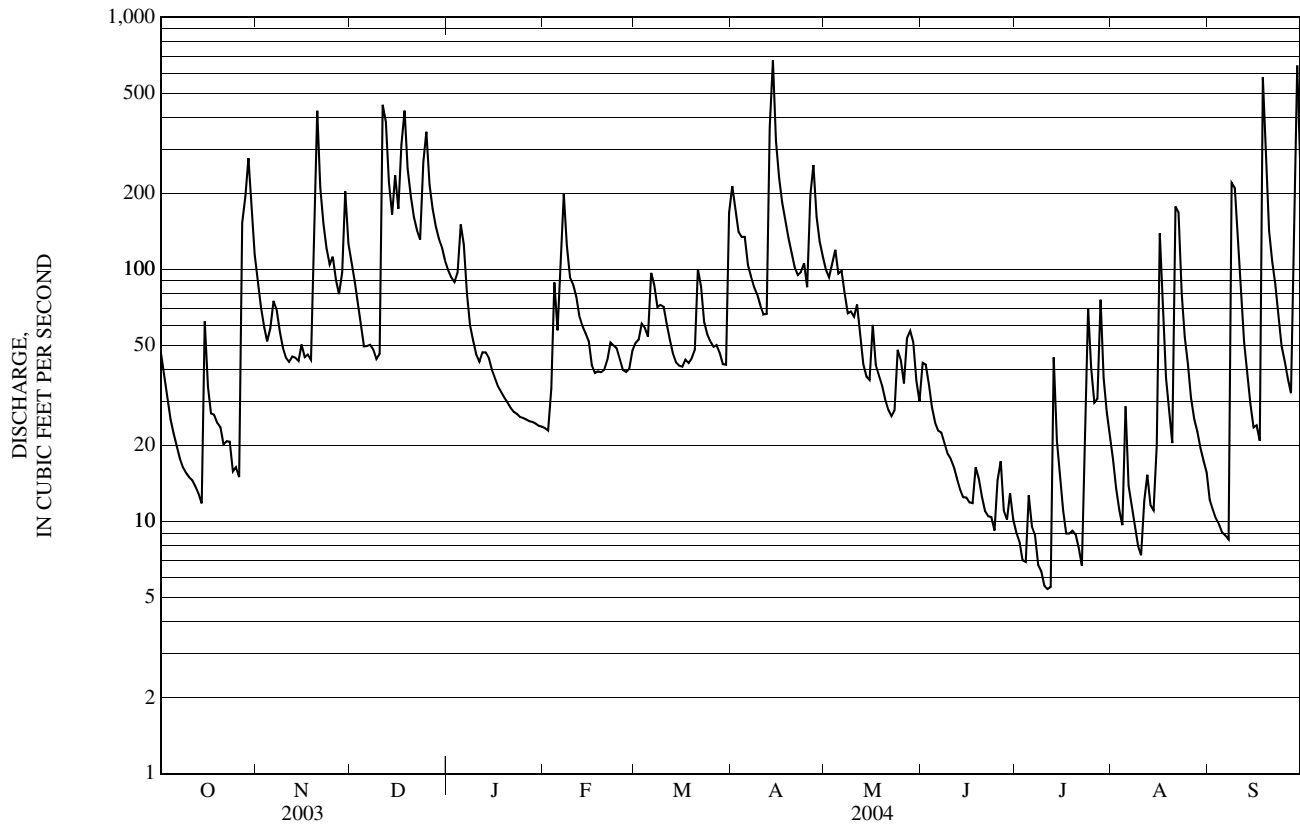
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	88	107	99	e23	51	214	100	43	9.1	18	12
2	38	71	90	93	e23	53	176	93	42	8.3	14	11
3	31	59	73	89	34	61	141	106	35	7.0	11	10
4	26	52	60	97	89	59	135	120	28	6.9	9.7	9.7
5	22	59	50	151	57	54	135	96	25	13	29	9.1
6	20	75	50	126	112	97	104	99	23	9.5	14	8.8
7	18	69	50	e80	199	87	94	81	23	8.9	12	8.5
8	16	57	48	e60	125	71	85	67	21	6.7	9.6	221
9	16	49	44	e52	93	72	80	68	19	6.4	8.0	210
10	15	45	46	e46	87	71	72	65	18	5.6	7.4	122
11	15	43	450	e43	78	61	66	73	16	5.4	12	74
12	14	45	385	e47	65	53	67	56	15	5.5	15	51
13	13	45	222	e47	60	46	366	42	13	45	12	39
14	12	43	165	e45	56	43	674	38	12	21	11	29
15	62	50	236	e40	52	42	324	36	12	15	20	24
16	34	45	174	e37	e42	41	230	60	12	11	139	24
17	27	46	312	e34	e39	44	184	42	12	9.0	67	21
18	27	44	426	e33	e39	43	156	38	16	9.0	37	579
19	25	105	251	e31	e39	44	134	35	15	9.2	27	255
20	24	426	195	e30	40	48	117	31	13	8.9	20	142
21	20	211	162	e28	44	100	102	28	11	7.9	178	107
22	21	151	143	e27	51	85	95	26	10	6.7	168	87
23	21	121	131	e27	50	62	98	28	10	22	80	66
24	16	104	266	e26	49	55	106	48	9.2	70	54	50
25	16	112	352	e26	44	52	85	44	15	41	42	43
26	15	91	216	e25	40	49	197	35	17	30	31	37
27	153	80	174	e25	39	50	260	53	11	31	26	32
28	195	97	148	e25	40	47	162	57	10	76	23	142
29	276	204	133	e24	48	42	129	52	13	37	20	643
30	182	127	122	e24	---	42	113	36	10	27	17	253
31	115	---	108	e24	---	168	---	30	---	22	16	---
TOTAL	1,531	2,814	5,389	1,561	1,757	1,893	4,901	1,783	529.2	591.0	1,147.7	3,320.1
MEAN	49.4	93.8	174	50.4	60.6	61.1	163	57.5	17.6	19.1	37.0	111
MAX	276	426	450	151	199	168	674	120	43	76	178	643
MIN	12	43	44	24	23	41	66	26	9.2	5.4	7.4	8.5
CFSM	1.65	3.13	5.79	1.68	2.02	2.04	5.45	1.92	0.59	0.64	1.23	3.69
IN.	1.90	3.49	6.68	1.94	2.18	2.35	6.08	2.21	0.66	0.73	1.42	4.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

	MEAN	28.1	47.6	69.1	71.6	72.8	107	101	72.6	43.6	20.3	16.9	21.3
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)	

01209700 NORWALK RIVER AT SOUTH WILTON, CT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	29,517.5		27,217.0		55.9	
ANNUAL MEAN	80.9		74.4		94.6	
HIGHEST ANNUAL MEAN					22.9	
LOWEST ANNUAL MEAN					1,650	
HIGHEST DAILY MEAN	450	Dec 11	674	Apr 14	1984	
LOWEST DAILY MEAN	7.3	Jul 31	5.4	Jul 11	1966	
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 26	6.9	Jul 6	0.80	
MAXIMUM PEAK FLOW			1,340	Sep 18	0.91	
MAXIMUM PEAK STAGE			4.42	Sep 18	2,890	
INSTANTANEOUS LOW FLOW			4.8	Jul 12	6.27	
ANNUAL RUNOFF (CFSM)	2.70		2.48		0.30	
ANNUAL RUNOFF (INCHES)	36.60		33.75		1.86	
10 PERCENT EXCEEDS	179		170		25.34	
50 PERCENT EXCEEDS	55		45		123	
90 PERCENT EXCEEDS	15		11		32	
					5.4	



01209700 NORWALK RIVER AT SOUTH WILTON, CT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct. 2002 to Aug. 2004 (discontinued)

PERIOD OF DAILY RECORD.--Oct. 2002 to Aug. 2004 (discontinued).

SPECIFIC CONDUCTANCE.--Oct. 2002 to Aug. 2004 (discontinued).

WATER TEMPERATURE.--Oct. 2002 to Aug. 2004 (discontinued).

INSTRUMENTATION.--Water-quality monitor Oct. 2002 to Aug. 2004.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--Maximum, 588 microsiemens Feb. 3, 2004; minimum, 125 microsiemens Jan. 2, 2003.

WATER TEMPERATURE.--Maximum, 24.0° C Aug. 14, 2003; minimum 0.0° C on numerous days during the winter period.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.4	13.2	13.8	12.8	10.6	11.7	6.6	5.3	6.2	4.3	3.3	3.8
2	13.8	11.9	12.9	13.5	12.2	12.9	5.3	2.7	4.3	4.7	3.5	4.0
3	11.9	10.4	11.3	14.7	12.6	13.7	2.7	1.4	1.9	5.9	4.1	4.9
4	11.4	10.3	11.0	14.2	12.4	13.2	2.8	0.7	1.8	6.3	5.6	6.0
5	11.8	10.5	11.1	12.5	11.7	12.2	2.5	1.4	2.0	5.6	4.5	5.0
6	10.9	9.5	10.3	12.6	12.0	12.3	1.4	0.0	0.8	4.5	2.4	3.7
7	11.5	9.6	10.6	12.2	10.9	11.7	0.9	0.1	0.5	2.4	0.3	1.1
8	12.9	10.3	11.7	10.9	7.7	9.4	1.9	0.4	1.1	1.0	0.1	0.5
9	14.1	12.1	13.1	7.7	6.0	6.7	2.7	1.2	2.0	0.4	0.0	0.1
10	13.8	13.2	13.5	6.5	4.7	5.7	4.3	2.6	3.4	0.2	0.0	0.0
11	14.2	12.5	13.4	6.6	4.6	5.5	4.4	3.0	3.9	0.5	0.0	0.2
12	14.2	13.4	13.8	8.3	6.6	7.3	3.0	2.3	2.6	0.7	0.1	0.5
13	14.4	12.9	13.6	9.0	6.8	8.4	2.3	1.7	2.0	1.8	0.3	1.0
14	13.9	12.0	13.0	6.8	5.1	5.8	1.7	0.1	1.1	0.4	0.0	0.1
15	14.5	12.6	13.9	6.0	4.8	5.4	2.2	1.4	1.7	0.5	0.0	0.1
16	12.6	11.3	12.1	6.0	4.1	4.9	2.8	1.2	2.0	0.2	0.0	0.1
17	11.9	11.3	11.6	6.9	6.0	6.5	3.6	2.1	2.8	0.6	0.1	0.3
18	11.4	10.2	11.0	8.3	6.8	7.5	2.9	2.2	2.6	0.4	0.0	0.3
19	10.2	8.9	9.7	11.0	8.3	9.3	2.5	1.7	2.2	0.8	0.0	0.3
20	9.4	7.9	8.8	11.1	8.7	9.9	2.9	1.9	2.4	0.7	0.0	0.2
21	11.8	9.1	10.5	8.8	7.4	8.2	2.6	1.4	2.1	0.7	0.0	0.2
22	11.8	9.2	10.8	9.0	7.8	8.3	3.5	1.8	2.6	0.9	0.0	0.5
23	9.2	7.7	8.4	8.4	7.0	7.7	4.4	2.9	3.6	0.6	0.0	0.1
24	8.1	7.1	7.6	8.4	6.3	7.4	6.1	3.6	4.8	0.7	0.0	0.1
25	8.6	6.1	7.4	8.4	6.4	7.5	5.8	4.4	5.3	0.3	0.0	0.1
26	11.6	8.6	10.1	6.7	5.4	6.1	4.4	3.5	3.8	0.5	0.1	0.2
27	14.3	11.6	12.9	7.1	5.5	6.3	4.1	3.0	3.5	0.6	0.0	0.3
28	12.7	11.4	12.0	10.2	7.0	8.0	4.0	2.6	3.3	0.8	0.0	0.3
29	12.3	11.6	12.0	10.2	6.8	8.4	4.2	2.4	3.3	1.0	0.0	0.3
30	11.6	10.3	11.0	7.0	6.3	6.6	4.9	3.1	3.9	0.8	0.0	0.2
31	11.6	9.6	10.6	---	---	---	4.5	3.3	3.9	0.8	0.0	0.3
MONTH	14.5	6.1	11.4	14.7	4.1	8.5	6.6	0.0	2.8	6.3	0.0	1.1

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.0	0.0	0.3	6.4	3.0	4.8	7.4	7.0	7.2	17.9	13.5	15.6
2	1.5	0.0	0.6	7.2	4.3	5.7	8.0	6.9	7.3	16.1	15.0	15.3
3	1.0	0.1	0.5	7.5	4.6	6.2	7.8	6.7	7.2	15.0	12.4	14.3
4	1.3	0.2	0.6	6.4	5.0	5.6	7.9	6.4	7.3	14.8	11.3	12.9
5	1.5	0.1	0.7	5.8	5.2	5.5	7.7	4.8	6.1	13.1	10.5	12.0
6	1.0	0.1	0.5	6.2	5.2	5.7	8.6	4.1	6.2	15.8	11.2	13.5
7	1.1	0.3	0.7	7.3	4.2	5.7	9.8	6.2	7.9	18.0	13.2	15.6
8	1.0	0.0	0.4	6.0	4.3	5.1	10.0	6.8	8.5	16.2	13.4	14.5
9	1.7	0.0	0.8	4.5	3.6	4.0	10.8	7.8	9.3	14.6	12.3	13.4
10	3.4	1.4	2.3	6.0	3.4	4.6	11.6	7.2	9.5	16.9	12.9	14.9
11	3.0	1.2	2.0	7.4	3.4	5.5	9.9	7.9	8.7	19.3	15.0	17.2
12	2.3	0.4	1.5	7.2	4.8	5.9	9.8	7.6	8.8	20.4	17.4	18.8
13	3.4	1.2	2.3	6.4	3.0	4.7	8.8	7.5	8.1	20.9	18.0	19.2
14	3.5	1.3	2.5	5.1	2.7	4.2	9.7	8.8	9.2	18.4	15.9	16.8
15	2.7	0.4	1.6	8.2	4.4	6.3	11.1	8.2	9.5	20.3	16.1	18.2
16	1.2	0.0	0.6	6.9	2.7	4.5	11.9	8.1	9.9	20.4	17.9	19.2
17	1.9	0.0	0.9	3.6	2.4	3.0	13.4	9.2	11.2	19.3	17.4	18.3
18	3.6	1.2	2.2	4.0	2.2	3.2	15.4	11.4	13.2	18.5	16.7	17.6
19	3.3	1.3	2.3	4.5	2.4	3.6	16.8	11.9	14.2	17.9	16.9	17.5
20	3.3	1.6	2.5	6.4	2.1	4.5	17.6	14.0	15.6	18.5	16.0	17.2
21	4.9	2.9	3.8	7.1	4.2	5.5	16.0	12.9	14.3	18.0	15.9	16.9
22	4.5	2.5	3.4	5.7	2.8	4.2	17.4	12.9	15.0	19.2	17.1	18.0
23	4.4	1.7	3.1	6.0	1.8	4.0	---	---	---	19.2	16.3	17.9
24	3.3	2.3	2.8	8.0	3.2	5.7	---	---	---	18.5	16.8	17.4
25	3.4	0.8	2.2	7.4	6.1	6.9	---	---	---	18.6	16.4	17.5
26	3.9	1.1	2.6	10.7	6.9	8.8	---	---	---	17.3	14.7	15.5
27	4.3	1.6	2.9	11.9	8.9	10.4	---	---	---	17.4	14.4	15.9
28	5.4	1.9	3.6	12.5	9.8	11.1	---	---	---	16.7	15.8	16.2
29	5.0	2.6	4.0	11.7	8.0	9.9	16.1	10.9	13.3	16.8	14.8	15.7
30	---	---	---	9.9	7.5	8.2	16.9	12.4	14.7	16.5	13.2	14.9
31	---	---	---	7.9	6.7	7.3	---	---	---	15.3	14.2	14.6
MONTH	5.4	0.0	1.9	12.5	1.8	5.8	17.6	4.1	10.1	20.9	10.5	16.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.3	13.8	14.5	21.0	18.0	19.4	22.8	21.8	22.1	---	---	---
2	17.4	14.5	15.9	22.3	19.5	20.7	23.3	21.1	22.0	---	---	---
3	18.1	15.6	16.8	22.0	19.4	20.5	22.7	20.7	21.6	---	---	---
4	17.7	15.1	16.5	21.4	18.5	19.9	23.2	20.7	21.8	---	---	---
5	16.1	14.7	15.3	20.9	19.1	19.9	21.8	20.1	20.8	---	---	---
6	14.7	14.0	14.3	22.0	19.4	20.4	20.1	18.2	19.1	---	---	---
7	17.7	13.8	15.8	22.0	20.5	21.4	18.2	16.8	17.5	---	---	---
8	20.0	16.2	18.2	22.4	20.0	21.0	18.3	15.9	17.1	---	---	---
9	21.5	17.8	19.8	21.1	19.4	20.3	19.7	16.7	18.1	---	---	---
10	20.8	18.5	19.8	21.3	18.0	19.6	20.6	17.7	19.0	---	---	---
11	18.5	16.7	17.8	21.5	18.6	20.0	20.3	19.1	19.6	---	---	---
12	18.3	15.0	16.7	20.2	18.4	19.2	21.1	19.3	20.1	---	---	---
13	18.0	15.3	16.7	18.5	17.9	18.2	21.1	20.0	20.5	---	---	---
14	17.2	16.0	16.6	19.8	17.8	18.7	20.5	19.6	20.1	---	---	---
15	20.7	16.7	18.6	21.1	18.8	19.9	20.2	19.7	19.9	---	---	---
16	21.6	18.9	20.2	20.5	18.5	19.5	20.1	19.5	19.8	---	---	---
17	20.8	19.3	20.0	21.9	18.8	20.2	20.4	18.5	19.5	---	---	---
18	21.2	19.1	20.2	20.5	19.3	19.8	19.9	18.2	19.2	---	---	---
19	22.0	19.8	20.7	20.8	19.0	19.8	20.9	19.3	20.1	---	---	---
20	19.8	17.3	18.5	22.1	19.2	20.5	22.2	19.8	21.0	---	---	---
21	19.2	15.8	17.5	22.3	19.6	20.9	21.8	20.4	20.9	---	---	---
22	18.0	17.1	17.6	22.7	19.9	21.2	20.4	18.9	19.6	---	---	---
23	20.4	17.3	18.7	22.1	20.7	21.1	---	---	---	---	---	---
24	20.9	17.8	19.2	22.0	21.3	21.5	---	---	---	---	---	---
25	19.8	18.0	18.8	21.4	20.2	20.8	---	---	---	---	---	---
26	19.8	18.2	18.8	21.5	19.2	20.4	---	---	---	---	---	---
27	19.3	16.6	18.0	20.5	19.6	19.9	---	---	---	---	---	---
28	17.9	16.5	17.4	20.0	19.0	19.6	---	---	---	---	---	---
29	19.9	16.8	18.3	21.7	19.3	20.5	---	---	---	---	---	---
30	19.9	17.1	18.6	21.8	19.8	20.9	---	---	---	---	---	---
31	---	---	---	23.1	20.7	21.8	---	---	---	---	---	---
MONTH	22.0	13.8	17.9	23.1	17.8	20.2	23.3	15.9	20.0	---	---	---
YEAR	23.3	0.0	10.3									

01209700 NORWALK RIVER AT SOUTH WILTON, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	317	299	306	240	228	233	182	177	179	246	243	244
2	339	317	327	253	240	247	186	182	183	251	246	248
3	348	339	342	262	253	256	191	185	189	251	248	250
4	353	347	350	263	257	261	200	191	194	254	234	247
5	353	352	353	264	248	260	207	200	205	235	225	229
6	354	350	352	257	245	252	211	207	209	239	227	232
7	355	353	354	254	243	248	213	207	210	257	239	248
8	356	353	354	266	254	260	222	211	214	266	257	263
9	359	355	357	276	266	271	216	210	213	282	266	274
10	361	358	359	280	276	278	245	213	223	294	282	289
11	364	361	362	283	280	282	274	139	206	299	294	297
12	368	364	365	283	278	279	205	170	189	296	292	295
13	369	367	368	280	277	279	213	205	209	294	284	289
14	371	340	369	282	280	281	308	210	223	296	289	293
15	343	237	299	282	265	269	288	227	241	295	289	293
16	329	314	317	312	264	270	242	232	236	296	287	292
17	335	319	327	273	269	271	280	191	231	294	288	291
18	356	331	343	274	270	272	205	189	197	288	283	286
19	361	346	355	274	194	250	219	205	214	297	285	290
20	365	351	358	194	127	149	224	218	221	295	288	293
21	365	364	365	156	133	144	230	223	227	295	287	292
22	366	364	364	166	156	161	235	230	233	293	288	290
23	375	366	371	173	166	169	237	235	236	297	289	292
24	377	370	375	176	172	174	249	179	220	299	293	296
25	379	369	373	176	171	173	202	179	192	307	293	298
26	379	376	378	181	176	178	214	202	209	308	298	302
27	376	139	282	187	181	184	222	214	217	301	296	299
28	210	179	192	189	161	185	229	222	225	309	293	300
29	211	152	176	161	153	157	235	229	232	311	302	306
30	207	172	190	177	161	168	239	235	236	306	299	304
31	228	207	219	---	---	---	244	239	241	308	300	305
MONTH	379	139	329	312	127	229	308	139	215	311	225	282
FEBRUARY			MARCH			APRIL			MAY			
1	310	300	307	301	285	291	236	217	227	266	257	261
2	316	304	309	313	294	307	247	230	237	264	261	263
3	588	308	361	307	296	303	255	247	251	272	243	257
4	485	346	392	307	296	300	259	247	254	259	244	252
5	361	322	337	300	297	299	255	245	251	266	255	261
6	539	317	372	326	254	277	264	255	260	269	250	260
7	323	278	297	276	261	266	267	264	265	274	267	270
8	301	279	289	296	276	287	269	265	268	282	269	276
9	314	296	306	359	291	318	270	266	268	282	274	279
10	310	296	304	318	289	300	272	267	269	283	277	280
11	309	300	304	303	290	296	274	269	272	282	264	272
12	306	294	300	314	303	308	282	264	273	299	278	283
13	302	296	299	321	314	319	264	134	207	315	299	307
14	299	293	296	323	318	321	162	132	144	317	312	315
15	297	290	293	319	316	318	171	162	166	319	307	315
16	306	292	299	347	315	322	186	171	178	312	267	281
17	305	293	298	393	335	358	193	186	189	315	305	310
18	305	296	299	412	331	368	198	192	194	320	292	316
19	309	296	302	479	336	390	204	196	199	323	318	320
20	311	304	308	395	333	352	206	196	201	334	322	325
21	311	299	306	367	299	314	209	200	205	336	331	334
22	301	296	300	325	303	312	213	202	207	337	332	334
23	298	294	296	344	325	336	---	---	---	338	334	336
24	301	294	298	348	339	344	---	---	---	337	282	306
25	310	297	305	339	332	336	---	---	---	321	295	301
26	311	298	304	332	324	328	---	---	---	331	314	322
27	306	298	302	328	320	322	---	---	---	318	286	302
28	303	289	299	323	320	322	---	---	---	319	282	301
29	295	285	291	327	321	325	255	245	248	324	305	319
30	---	---	---	332	311	329	262	250	255	331	323	325
31	---	---	---	311	215	249	---	---	---	336	330	334
MONTH	588	278	309	479	215	317	282	132	229	338	243	297

01209710 NORWALK RIVER AT WINNIPAU, 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 August 2004 (discontinued).

SPECIFIC CONDUCTANCE: January 2002 to August 2004 (discontinued).

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.

SPECIFIC CONDUCTANCE.--Maximum, 693 microsiemens Jan. 9, 2002; minimum, 107 microsiemens Sep. 2, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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, 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 22...	1315	24	1.3	11.2	99	7.4	369	7.5	11.5	110	28.7	9.59	5.68
NOV 21...	1130	223	--	12.5	106	7.8	195	16.0	8.0	--	--	--	--
DEC 17...	1200	280	37	12.4	98	7.8	300	6.0	4.5	62	16.0	5.29	2.64
JAN 27...	1015	38	--	14.8	102	7.9	330	<-5.0	.5	--	--	--	--
FEB 12...	1100	64	1.9	15.5	108	7.7	333	3.0	1.0	84	21.2	7.53	3.28
MAR 11...	1100	93	--	13.8	108	8.0	309	12.0	5.0	--	--	--	--
APR 19...	1015	137	1.0	11.8	111	7.9	257	19.5	13.0	70	18.3	5.83	2.85
MAY 18...	1000	41	--	10.6	110	8.4	335	26.0	17.5	--	--	--	--
JUN 08...	1010	22	1.9	10.3	110	8.1	353	29.5	18.5	100	28.2	8.29	3.61
JUN 08...	1015	22	--	10.3	109	8.1	353	29.5	18.5	--	--	--	--
JUL 01...	0915	11	1.4	9.8	109	8.2	368	27.0	20.5	100	28.1	8.11	4.52
JUL 07...	1020	9.1	--	10.8	123	7.8	347	24.0	21.5	--	--	--	--
AUG 02...	1000	16	1.6	10.8	127	8.6	354	28.0	23.5	99	26.6	8.01	4.48
AUG 09...	1400	8.6	--	9.8	106	8.2	354	--	19.0	--	--	--	--
AUG 24...	1130	54	--	9.6	106	7.3	270	26.5	20.5	--	--	--	--
SEP 21...	0940	106	--	10.1	99	7.3	236	22.0	15.0	--	--	--	--
SEP 28...	0930	43	1.9	9.6	101	7.9	285	21.0	17.0	80	22.1	6.12	3.50

01209710 NORWALK RIVER AT WINNIPAUUK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium, water, ftrd, mg/L (00930)	Alka- linity, wat ftr inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat ftr incrm. titr., field, mg/L (00453)	Carbon- ate, wat ftr incrm. titr., field, mg/L (00452)	Chlor- ide, water, ftrd, mg/L (00940)	Fluor- ide, water, ftrd, mg/L (00950)	Silica, water, ftrd, mg/L (00955)	Sulfate water, ftrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat ftr mg/L (70300)	Ammonia + org-N, water, ftrd, mg/L as N (00623)	Ammonia + org-N, water, unftrd mg/L as N (00625)	Ammonia water, ftrd, mg/L as N (00608)
OCT 22...	26.9	78	95	.0	52.9	<.2	8.80	14.2	201	204	.27	.28	<.04
NOV 21...	--	40	49	.0	25.6	--	--	10.7	--	--	--	--	<.04
DEC 17...	32.3	38	47	.0	55.2	<.2	8.05	12.6	215	154	.28	.54	.10
JAN 27...	--	67	82	.0	45.0	--	--	17.0	--	--	--	--	<.04
FEB 12...	29.4	52	63	.0	57.3	<.2	8.26	14.1	196	184	.17	.24	<.04
MAR 11...	--	51	62	.0	47.8	--	--	13.1	--	--	--	--	<.04
APR 19...	20.8	46	55	.0	38.2	<.2	5.49	11.4	142	139	.18	.23	<.04
MAY 18...	--	67	80	.0	47.2	--	--	13.5	--	--	--	--	<.04
JUN 08...	26.3	68	83	.0	50.9	<.2	8.74	14.6	203	194	.26	.33	E.02n
JUL 08...	--	70	84	<1	50.7	--	--	14.4	--	--	--	--	E.02n
JUL 01...	28.3	69	84	.0	53.8	<.2	6.82	16.6	203	199	.24	.36	<.04
AUG 07...	--	63	76	<1	52.9	--	--	16.6	--	--	--	--	<.04
AUG 02...	25.7	74	86	2	52.0	<.2	7.72	15.6	215	204	.23	.36	<.04
AUG 09...	--	--	--	.0	--	--	--	--	--	--	--	--	--
AUG 24...	--	52	63	<1	35.2	--	--	11.7	--	--	--	--	<.04
SEP 21...	--	48	58	.0	31.0	--	--	10.4	--	--	--	--	<.04
SEP 28...	20.7	58	70	.0	38.4	<.2	10.3	13.8	173	169	.23	.30	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite + nitrate water ftrd, mg/L as N (00631)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unftrd mg/L (00605)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, ftrd, mg/L (00666)	Phos- phorus, water, unftrd mg/L (00665)	Total nitro- gen, water, unftrd mg/L (00600)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, ftrd, mg/L (00681)	Organic carbon, water, unftrd mg/L (00680)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.45uMF col/ 100 mL (31616)
OCT 22...	.26	E.004n	--	E.02n	.033	.043	.54	--	--	--	6.0	43	80k
NOV 21...	.45	<.008	--	.013	--	.049	--	<.1	.7	5.0	--	--	--
DEC 17...	.78	E.004n	.43	E.01n	.018	.119	1.3	--	--	--	5.7	240	370
JAN 27...	1.10	E.004n	--	E.003n	--	.015	--	<.1	<.1	2.1	--	--	--
FEB 12...	.87	E.005n	--	<.02	.013	.024	1.1	--	--	--	2.6	30	48
MAR 11...	.79	E.006n	--	E.003n	--	.023	--	<.1	.3	2.8	--	--	--
APR 19...	.52	E.004n	--	<.02	.009	.024	.75	--	--	--	4.2	22	44
MAY 18...	.62	.015	--	.018	--	.054	--	<.1	.4	3.7	--	--	--
JUN 08...	.77	.008	--	.02	.037	.055	1.1	--	--	--	3.8	400	460
JUL 08...	.74	.009	--	.029	--	.054	--	<.1	.3	3.8	--	--	--
JUL 01...	.58	E.005n	--	E.02n	.030	.049	.94	--	--	--	3.4	500	900
AUG 07...	.64	E.004n	--	.025	--	.050	--	<.1	.3	3.0	--	--	--
AUG 02...	.47	<.008	--	.04	E.069@c	.087	.82	--	--	--	6.5	530k	600k
AUG 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	.44	<.008	--	.038	--	.086	--	<.1	.8	5.1	--	--	--
SEP 21...	.45	<.008	--	.035	--	.066	--	<.1	.4	4.0	--	--	--
SEP 28...	.63	<.008	--	E.01n	.024	.041	.93	--	--	--	4.0	1,200	2,600

01209710 NORWALK RIVER AT WINNIPAUK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, 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)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
OCT 22...	6	<.20	35	<.06	<.04	<.8	.178	1.5	92	.09	19.3	.9	1.10
NOV 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	12	E.12n	26	<.06	E.03n	<.8	.169	1.5	40	.23	19.3	E.3n	.64
JAN 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 12...	10	<.20	38	<.06	<.04	<.8	.129	1.0	71	.14	31.6	E.3n	.63
MAR 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 19...	15	<.20	37	<.06	<.04	<.8	.128	1.1	58	.10	17.0	E.4n	.79
MAY 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 08...	6	<.20	40	<.06	<.04	<.8	.200	1.3	123	.14	31.0	.6	1.10
JUN 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	5	E.12n	41	<.06	<.04	<.8	.167	1.7	95	.10	43.1	.8	.22
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	6	E.14n	39	<.06	<.04	<.8	.194	1.6	114	.14	41.1	2.1	1.14
AUG 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 28...	7	<.20	44	<.06	<.04	<.8	.166	1.8	109	.17	18.1	.5	.79

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

[illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED[illegible]

01209710 NORWALK RIVER AT WINNIPAU, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	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)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 22...	--	--	--	--	--	--	--	--	--	--	.64	--	--
NOV 21...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	3	1.8
DEC 17...	--	--	--	--	--	--	--	--	--	--	.27	--	--
JAN 27...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	4	.41
FEB 12...	--	--	--	--	--	--	--	--	--	--	.48	--	--
MAR 11...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	3	.75
APR 19...	--	--	--	--	--	--	--	--	--	--	.39	--	--
MAY 18...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	5	.55
JUN 08...	--	--	--	--	--	--	--	--	--	--	.61	--	--
JUN 08...	<.025	<.011	<.02	<.010	<.02	<.034	<.02	<.010	<.002	E.003t	--	5	.30
JUL 01...	--	--	--	--	--	--	--	--	--	--	.67	--	--
JUL 07...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	2	.05
AUG 02...	--	--	--	--	--	--	--	--	--	--	.48	--	--
AUG 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	7	1.0
SEP 21...	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	--	4	1.1
SEP 28...	--	--	--	--	--	--	--	--	--	--	.38	--	--

01209710 NORWALK RIVER AT WINNIPAUUK, CT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Particulate nitrogen, susp, water, mg/L (49570)	Total carbon, suspnd total, mg/L (00694)	Chlorophyll a periphyton, chromo-fluoro, mg/m2 (70957)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)
OCT 22...	--	--	--	--	--	--	--	--
NOV 21...	.08	.7	--	<.012	<.029	<.013	<.024	<.016
DEC 17...	--	--	--	--	--	--	--	--
JAN 27...	<.02	<.1	--	<.012	<.029	<.013	<.024	<.016
FEB 12...	--	--	--	--	--	--	--	--
MAR 11...	.04	.3	--	<.012	<.029	<.013	<.024	<.016
APR 19...	--	--	--	--	--	--	--	--
MAY 18...	.06	.4	--	<.012	<.029	<.013	<.024	<.016
JUN 08...	--	--	--	--	--	--	--	--
JUN 08...	.04	.3	--	<.012	<.029	<.013	<.024	<.016
JUL 01...	--	--	--	--	--	--	--	--
JUL 07...	.04	.3	--	E.003t	<.029	<.013	<.024	<.016
AUG 02...	--	--	--	--	--	--	--	--
AUG 09...	--	--	49.3d	--	--	--	--	--
AUG 24...	.08	.8	--	<.012	<.029	<.013	<.024	<.016
SEP 21...	.05	.5	--	<.012	<.029	<.013	<.024	<.016
SEP 28...	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

@-- Holding time exceeded

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

k -- Counts outside acceptable range

n -- Below the LRL and above the LT-MDL

t -- Below the long-term MDL

01209710 NORWALK RIVER AT WINNIPAUKE, CT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.4	13.4	13.9	12.9	10.6	11.8	6.7	5.4	6.3	4.4	3.4	3.9
2	13.9	11.6	13.1	13.5	12.3	13.0	5.4	2.8	4.3	4.8	3.6	4.1
3	12.8	10.5	11.5	14.8	12.8	13.8	2.8	1.4	1.9	6.1	4.4	5.1
4	11.6	10.5	11.1	14.3	12.4	13.4	2.5	0.7	1.7	6.5	5.8	6.2
5	12.4	10.4	11.2	12.7	11.8	12.3	2.4	1.3	1.9	5.8	4.7	5.1
6	11.7	9.5	10.6	12.7	12.2	12.5	1.4	0.0	0.7	4.7	2.5	3.8
7	12.5	9.4	10.9	12.5	11.1	11.9	0.8	0.0	0.3	2.5	0.3	1.1
8	14.0	10.5	12.2	11.1	7.7	9.4	1.7	0.2	1.0	1.0	0.0	0.4
9	14.9	12.3	13.6	7.7	6.0	6.7	2.7	1.3	2.0	0.4	0.0	0.1
10	14.2	13.4	13.8	6.5	4.9	5.8	4.6	2.7	3.6	0.0	0.0	0.0
11	15.2	12.7	13.8	6.5	4.9	5.6	5.3	3.2	4.4	0.1	0.0	0.0
12	14.7	13.5	14.0	8.5	6.5	7.5	3.2	2.4	2.8	0.3	0.0	0.1
13	15.1	13.1	14.1	9.2	6.8	8.5	2.4	1.8	2.0	1.5	0.2	0.8
14	15.1	12.2	13.5	6.8	5.1	5.7	1.8	0.1	1.1	0.2	0.0	0.0
15	15.4	12.6	14.1	6.1	4.8	5.4	2.3	1.5	1.9	0.1	0.0	0.0
16	13.1	11.4	12.2	5.8	4.3	5.0	2.9	1.4	2.1	0.1	0.0	0.0
17	12.1	11.3	11.7	7.0	5.8	6.6	4.0	2.2	3.1	0.1	0.0	0.0
18	11.9	10.3	11.1	8.4	7.0	7.6	3.0	2.3	2.7	0.0	0.0	0.0
19	10.3	8.9	9.8	11.6	8.4	9.6	2.6	1.8	2.3	0.2	0.0	0.0
20	10.2	7.9	9.0	11.4	8.8	10.1	3.0	2.0	2.5	0.2	0.0	0.0
21	12.3	9.1	10.8	8.8	7.6	8.3	2.6	1.5	2.1	0.2	0.0	0.0
22	11.8	9.3	10.9	9.0	7.8	8.4	3.5	1.9	2.7	0.5	0.0	0.2
23	9.3	7.7	8.5	8.2	7.1	7.8	4.4	3.1	3.8	0.2	0.0	0.0
24	8.6	6.8	7.7	8.8	6.4	7.5	6.5	3.8	5.0	0.1	0.0	0.0
25	8.8	6.1	7.6	8.7	6.6	7.7	5.9	4.6	5.4	0.0	0.0	0.0
26	11.9	8.7	10.2	6.6	5.5	6.2	4.6	3.6	3.9	0.0	0.0	0.0
27	15.7	11.9	13.4	7.2	5.6	6.5	4.1	3.1	3.6	0.0	0.0	0.0
28	13.0	11.6	12.1	10.3	7.2	8.1	4.0	2.6	3.4	0.1	0.0	0.0
29	12.4	11.8	12.1	10.3	6.9	8.5	4.2	2.5	3.4	0.2	0.0	0.0
30	11.8	10.5	11.1	6.9	6.3	6.6	4.8	3.2	4.0	0.1	0.0	0.0
31	11.7	9.7	10.8	---	---	---	4.5	3.5	4.0	0.2	0.0	0.0
MONTH	15.7	6.1	11.6	14.8	4.3	8.6	6.7	0.0	2.9	6.5	0.0	1.0
FEBRUARY			MARCH			APRIL			MAY			
1	0.2	0.0	0.1	6.4	3.5	5.0	7.6	7.2	7.3	17.6	13.6	15.7
2	---	---	---	7.2	5.0	6.1	8.1	7.0	7.4	16.6	15.2	15.5
3	---	---	---	7.7	5.3	6.7	7.9	6.8	7.3	15.2	12.5	14.4
4	---	---	---	6.9	5.4	6.1	8.0	6.6	7.4	14.6	11.2	12.9
5	---	---	---	6.1	5.6	5.9	7.7	4.9	6.2	12.9	10.7	12.2
6	---	---	---	6.6	5.6	6.1	8.2	4.1	6.3	15.4	11.3	13.5
7	---	---	---	7.3	4.3	5.9	9.6	6.4	8.0	17.9	13.5	15.7
8	---	---	---	6.6	4.6	5.3	10.0	7.0	8.7	16.2	13.4	14.6
9	---	---	---	4.6	3.8	4.1	10.7	8.0	9.4	14.4	12.5	13.4
10	---	---	---	6.0	3.5	4.7	11.2	7.5	9.6	17.0	13.1	15.1
11	---	---	---	7.3	3.5	5.6	10.2	8.2	8.8	19.5	15.2	17.5
12	---	---	---	7.2	5.2	6.1	9.7	7.8	8.9	22.6	17.6	19.2
13	---	---	---	6.3	3.3	4.8	8.9	7.6	8.3	21.5	18.1	19.5
14	---	---	---	5.1	3.2	4.3	9.8	8.9	9.3	18.5	16.5	17.1
15	---	---	---	8.4	4.8	6.4	11.0	8.3	9.5	21.0	16.2	18.5
16	---	---	---	6.9	2.6	4.7	11.8	8.1	9.9	21.0	18.4	19.5
17	---	---	---	3.4	2.4	2.8	13.4	9.2	11.3	20.3	17.5	18.6
18	---	---	---	4.4	2.4	3.3	15.2	11.4	13.3	18.8	17.0	17.8
19	---	---	---	4.4	2.8	3.6	16.5	11.9	14.2	18.1	16.9	17.7
20	3.3	1.8	2.6	6.5	2.6	4.6	17.4	14.0	15.7	19.8	16.1	17.5
21	5.0	3.0	3.9	7.1	4.7	5.8	15.7	13.0	14.4	19.0	16.2	17.5
22	4.5	2.8	3.6	5.7	2.7	4.2	17.1	12.9	15.0	20.4	17.3	18.5
23	4.6	2.0	3.3	5.8	1.8	4.0	16.3	12.7	14.4	21.3	16.6	18.4
24	3.4	2.6	3.0	7.8	3.5	5.9	16.0	11.9	13.9	18.7	17.1	17.7
25	3.5	1.0	2.3	7.5	6.6	7.1	14.3	11.4	12.2	20.1	16.6	17.9
26	4.0	1.3	2.6	10.6	7.2	8.9	11.7	10.6	11.2	17.3	14.6	15.8
27	4.6	1.8	3.0	11.9	9.6	10.7	14.8	11.4	12.8	17.9	14.5	16.0
28	5.5	2.0	3.8	12.3	10.2	11.2	14.0	12.1	13.3	16.7	16.1	16.4
29	5.1	3.1	4.2	11.7	8.3	10	15.7	10.9	13.4	17.6	14.8	15.9
30	---	---	---	9.7	7.7	8.2	16.6	12.5	14.7	17.6	13.3	15.3
31	---	---	---	7.9	6.9	7.4	---	---	---	15.4	14.3	14.8
MONTH	5.5	0.0	2.9	12.3	1.8	6.0	17.4	4.1	10.7	22.6	10.7	16.5

01209710 NORWALK RIVER AT WINNIPAUKE, CT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	315	295	304	261	245	252	241	229	238	248	243	246
2	335	315	323	280	258	267	246	240	243	255	248	251
3	344	335	341	279	266	273	255	246	251	253	250	251
4	352	344	349	288	276	279	268	253	259	254	232	248
5	356	352	354	281	257	275	284	268	275	234	219	225
6	357	353	355	275	264	270	291	280	284	237	224	228
7	359	355	357	268	255	258	298	281	288	255	237	247
8	359	355	358	273	261	268	313	284	295	267	255	263
9	362	357	359	282	272	277	303	284	291	285	267	275
10	363	360	362	289	282	285	389	289	321	301	285	295
11	367	360	363	298	288	290	442	166	288	307	301	304
12	367	361	365	289	276	282	204	168	186	302	300	301
13	375	367	369	288	279	283	213	204	209	306	294	300
14	372	231	368	301	287	290	320	213	229	303	298	300
15	343	189	284	301	274	282	350	239	263	308	298	304
16	347	316	322	279	274	276	251	240	244	309	289	300
17	330	320	324	304	275	292	292	199	242	299	290	294
18	349	315	334	302	281	292	215	196	205	290	284	286
19	358	339	350	294	190	265	230	215	225	316	285	296
20	362	349	354	194	167	175	234	229	231	309	293	302
21	364	361	363	203	174	191	241	233	237	299	288	294
22	366	361	363	218	203	211	246	241	243	298	286	291
23	371	363	366	237	218	224	247	245	246	296	290	293
24	377	370	373	241	226	231	273	176	227	306	291	298
25	377	364	371	240	220	229	199	175	188	307	295	300
26	376	372	375	244	234	236	213	199	207	307	297	302
27	374	131	256	251	241	246	221	213	217	301	294	297
28	217	170	201	255	201	242	229	221	225	347	294	310
29	218	153	181	209	193	203	237	229	233	317	309	313
30	218	182	200	232	209	218	240	237	238	316	305	310
31	245	218	234	---	---	---	245	240	242	311	300	306
MONTH	377	131	328	304	167	255	442	166	244	347	219	285
FEBRUARY			MARCH			APRIL			MAY			
1	308	300	303	301	284	289	242	223	233	267	260	264
2	---	---	---	313	293	303	252	237	244	268	266	267
3	---	---	---	306	295	301	264	252	260	271	245	261
4	---	---	---	320	294	299	277	264	271	260	245	253
5	---	---	---	299	294	297	277	273	275	267	250	262
6	---	---	---	303	253	274	281	277	279	269	251	259
7	---	---	---	274	261	265	281	277	279	275	268	271
8	---	---	---	295	274	284	282	277	279	285	270	277
9	---	---	---	351	288	319	305	282	291	285	278	281
10	---	---	---	327	295	305	303	268	277	284	280	283
11	---	---	---	301	293	297	284	274	279	283	265	272
12	---	---	---	314	301	308	279	256	275	292	182	276
13	---	---	---	324	314	319	265	152	211	317	292	308
14	---	---	---	327	323	325	190	152	170	323	316	320
15	---	---	---	325	320	322	213	189	199	323	288	318
16	---	---	---	373	318	331	246	208	217	296	256	274
17	---	---	---	442	366	390	258	230	236	316	296	309
18	---	---	---	505	350	406	252	243	246	319	298	314
19	---	---	---	500	372	423	259	250	253	322	316	320
20	308	302	306	412	348	372	264	251	257	330	322	326
21	310	304	306	360	309	328	327	259	265	336	330	332
22	304	295	299	323	309	318	272	262	268	335	332	334
23	300	292	296	353	323	342	277	263	267	338	318	334
24	300	292	295	356	351	354	274	255	262	337	289	312
25	307	300	303	353	346	349	275	267	271	318	287	298
26	308	301	305	347	333	337	277	208	234	327	148	318
27	308	299	302	336	330	333	229	199	213	312	249	285
28	302	297	300	338	329	333	249	233	239	322	279	302
29	297	288	291	340	332	335	258	249	252	325	287	316
30	---	---	---	343	338	340	264	255	259	330	324	325
31	---	---	---	343	220	254	---	---	---	333	326	330
MONTH	310	288	301	505	220	324	327	152	252	338	148	297

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 poor. Flow regulated from New Canaan Reservoir by Second Taxing District Water Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52 ft³/s, Dec. 11, gage height, 3.31 ft; minimum discharge, 0.08 ft³/s, Nov. 11, gage height, 1.76 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	0.50	4.8	3.6	e0.31	1.9	11	3.2	2.7	0.75	0.97	0.83
2	0.88	0.29	4.1	3.4	e0.31	2.7	6.4	3.1	3.4	0.69	0.88	0.82
3	e0.78	0.30	2.9	3.3	0.99	2.9	3.7	3.8	2.6	0.68	0.86	0.83
4	e0.75	0.38	2.7	4.7	5.0	2.5	3.5	4.2	1.4	0.67	0.95	0.85
5	e0.71	0.98	3.0	9.8	3.1	2.1	3.5	3.2	1.1	1.1	2.6	0.88
6	e0.69	1.6	4.5	6.4	6.9	6.2	1.9	4.3	1.2	0.84	0.93	0.87
7	e0.67	1.5	3.9	e2.5	17	3.9	1.8	2.9	1.2	0.77	0.84	0.88
8	e0.63	0.68	3.0	e1.7	7.0	2.8	1.7	2.1	1.1	0.80	0.81	21
9	e0.62	0.29	2.9	e1.1	3.2	3.4	1.6	2.3	0.98	0.78	0.74	19
10	0.69	0.12	3.3	e0.85	2.5	3.3	1.3	2.1	1.1	0.77	0.76	5.8
11	0.64	0.11	30	e0.78	2.2	2.3	1.2	3.3	0.99	0.69	2.0	2.8
12	0.63	0.29	20	e0.70	1.7	1.9	1.5	2.3	0.95	0.74	1.4	1.9
13	0.65	0.65	8.2	e0.66	1.5	1.4	18	1.8	0.95	2.7	1.00	1.5
14	0.64	0.87	7.2	e0.61	1.4	1.0	29	1.1	0.97	0.81	0.95	1.1
15	2.1	0.53	18	e0.59	e1.0	1.2	13	1.1	0.98	0.75	1.7	1.0
16	0.87	0.46	9.4	e0.54	e0.70	1.4	8.4	3.0	0.99	0.75	2.4	1.6
17	0.73	0.77	20	e0.52	e0.65	1.8	6.4	1.4	1.5	0.78	1.3	1.3
18	0.85	0.98	26	e0.50	e0.62	1.6	5.3	1.1	1.4	0.84	1.1	22
19	0.76	5.6	10	e0.48	e0.61	1.9	4.7	0.98	1.2	0.86	0.86	9.2
20	0.65	24	7.6	e0.46	0.71	2.1	4.1	0.96	1.0	0.85	0.84	3.6
21	0.52	11	5.8	e0.43	0.99	6.7	3.5	1.2	0.98	0.81	10	2.5
22	0.46	6.6	5.2	e0.41	1.3	3.8	3.3	1.2	0.99	0.82	9.9	1.8
23	e0.40	4.9	5.0	e0.40	1.2	1.9	3.7	1.4	0.92	2.4	3.3	1.4
24	e0.38	4.4	18	e0.39	1.2	1.6	4.1	3.1	0.86	2.4	1.9	1.2
25	e0.37	5.8	22	e0.38	0.91	1.7	3.0	3.2	1.5	0.94	1.4	1.1
26	e0.37	4.2	9.2	e0.37	0.69	1.5	11	2.6	1.4	0.79	1.2	1.0
27	3.2	3.4	6.7	e0.36	0.67	1.6	14	5.0	0.95	1.4	1.1	0.91
28	5.5	6.0	5.5	e0.35	0.82	1.2	5.9	5.1	0.89	2.6	1.1	10
29	11	15	5.0	e0.34	1.3	0.88	4.1	3.1	1.1	1.0	0.96	34
30	3.9	6.5	4.6	e0.33	---	0.70	3.6	1.5	0.86	0.91	0.92	9.4
31	1.00	---	4.0	e0.32	---	9.4	---	1.2	---	0.90	0.92	---
TOTAL	42.97	108.70	282.5	47.27	66.48	79.28	184.2	76.84	38.16	32.59	56.59	161.07
MEAN	1.39	3.62	9.11	1.52	2.29	2.56	6.14	2.48	1.27	1.05	1.83	5.37
MAX	11	24	30	9.8	17	9.4	29	5.1	3.4	2.7	10	34
MIN	0.37	0.11	2.7	0.32	0.31	0.70	1.2	0.96	0.86	0.67	0.74	0.82
CFSM	1.39	3.62	9.11	1.52	2.29	2.56	6.14	2.48	1.27	1.05	1.83	5.37
IN.	1.60	4.04	10.51	1.76	2.47	2.95	6.85	2.86	1.42	1.21	2.11	5.99

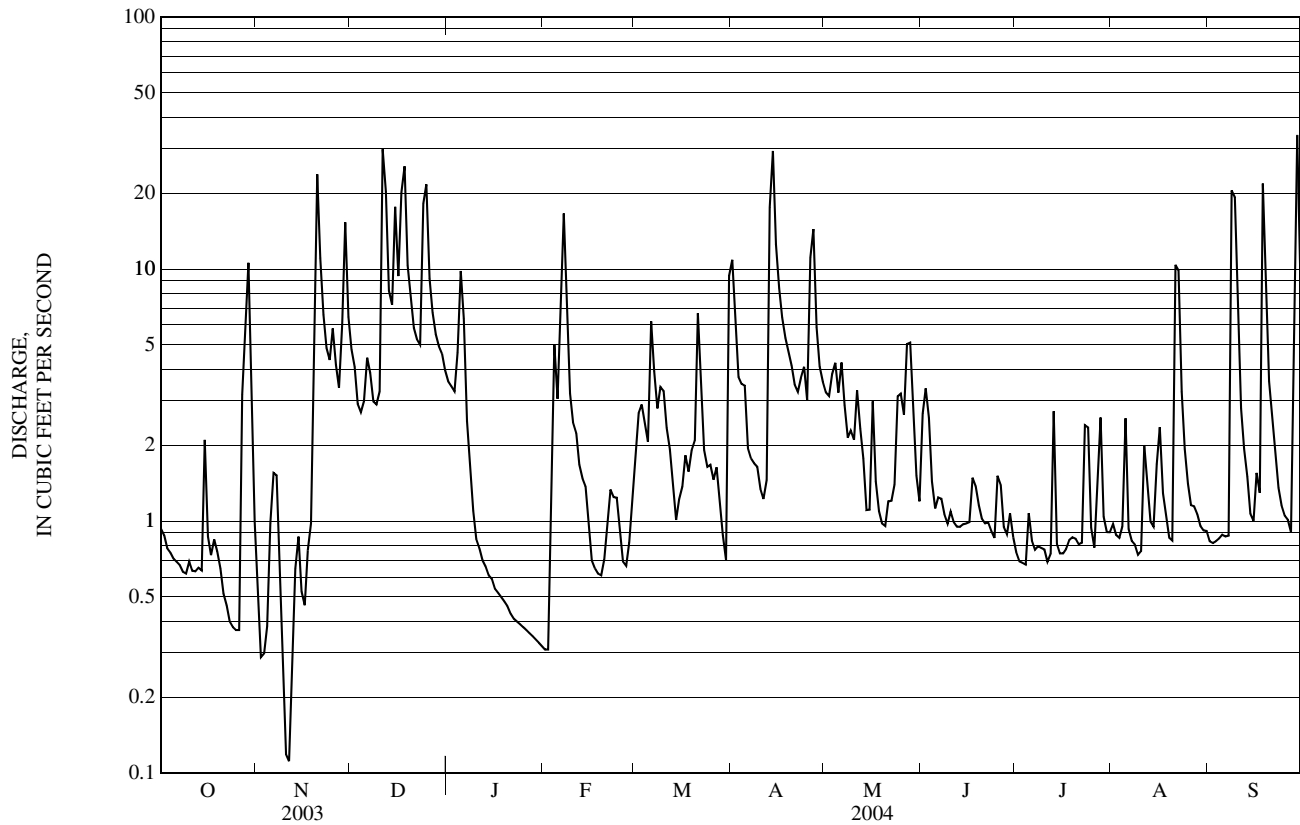
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	0.71	1.31	2.59	1.44	1.98	3.75	3.44	2.45	2.10	0.61	0.63	1.15
MAX	1.62	3.62	9.11	2.93	2.81	7.36	6.14	3.42	5.30	1.05	1.83	5.37
(WY)	(2000)	(2004)	(2004)	(2003)	(2000)	(2001)	(2004)	(2002)	(2003)	(2004)	(2004)	(2004)
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	1,123.07		1,176.65		1.88	
ANNUAL MEAN	3.08		3.21		3.21	
HIGHEST ANNUAL MEAN					0.74	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	30	Dec 11	34	Sep 29	34	Sep 29, 2004
LOWEST DAILY MEAN	0.11	Nov 11	0.11	Nov 11	0.00	Dec 20, 1998
ANNUAL SEVEN-DAY MINIMUM	0.21	Feb 14	0.33	Jan 27	0.07	Sep 7, 2001
MAXIMUM PEAK FLOW			52	Dec 11	56	May 19, 1999
MAXIMUM PEAK STAGE			3.31	Dec 11	3.31	Dec 11, 2003
INSTANTANEOUS LOW FLOW			0.08	Nov 11	0.00	Nov 22, 1998
ANNUAL RUNOFF (CFSM)	3.08		3.21		1.88	
ANNUAL RUNOFF (INCHES)	41.78		43.77		25.51	
10 PERCENT EXCEEDS	7.4		7.1		4.4	
50 PERCENT EXCEEDS	1.3		1.4		0.81	
90 PERCENT EXCEEDS	0.37		0.61		0.14	



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 1964 to March 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 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. The natural flow is altered by Mallard Lake, Trinity Lake Reservoir, Laurel Reservoir, Suscowit Reservoir, and by storage and diversion at North Stamford Reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft³/s, Sept. 8, gage height, 4.29 ft; minimum discharge, 3.9 ft³/s, July 12, gage height, 1.18 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	27	54	76	22	37	195	82	37	11	19	15
2	18	23	44	72	22	42	175	75	43	10	17	13
3	e14	22	39	68	44	47	130	79	42	8.6	14	12
4	e12	20	31	75	74	52	110	60	29	6.6	14	12
5	e11	21	33	115	50	51	98	49	25	22	54	12
6	e10	30	40	107	105	87	82	52	27	15	27	11
7	e9.4	31	38	82	172	84	73	45	27	9.6	17	11
8	e9.0	27	33	64	113	74	67	38	23	8.0	14	553
9	e8.5	21	31	e55	83	78	63	40	21	6.5	12	215
10	e8.2	18	33	e48	71	78	57	46	24	5.4	11	100
11	e8.1	18	183	e42	65	66	53	55	19	4.6	18	60
12	e9.0	23	336	e39	57	59	54	57	17	6.0	28	43
13	8.9	24	205	e36	52	51	298	49	15	91	18	35
14	8.3	21	139	e35	e47	45	625	44	16	29	16	30
15	38	16	208	e32	e40	45	369	52	18	20	29	33
16	20	15	153	e31	e36	45	211	83	16	15	75	35
17	14	16	226	e30	e34	52	154	41	34	12	50	29
18	14	16	397	e29	36	50	129	33	36	11	28	306
19	12	54	251	e28	35	54	112	31	24	11	22	119
20	12	230	163	e27	34	55	99	28	17	10	21	71
21	e9.0	119	126	e26	37	91	87	28	13	8.7	210	50
22	e8.0	77	108	e25	42	81	79	25	13	6.8	104	40
23	e7.3	57	98	e25	41	66	77	29	14	50	41	34
24	e6.9	47	200	e24	39	59	82	35	12	81	30	30
25	e6.5	52	352	e23	37	55	69	28	18	30	25	28
26	e6.2	42	231	e22	33	53	139	28	32	20	22	26
27	95	37	149	e21	31	53	231	78	19	31	20	24
28	89	51	117	28	31	50	150	54	14	76	19	129
29	102	108	102	25	34	46	110	56	20	34	18	484
30	61	71	93	24	---	42	92	29	13	23	18	146
31	33	---	84	23	---	134	---	25	---	20	17	---
TOTAL	689.3	1,334	4,297	1,357	1,517	1,882	4,270	1,454	678	692.8	1,028	2,706
MEAN	22.2	44.5	139	43.8	52.3	60.7	142	46.9	22.6	22.3	33.2	90.2
MAX	102	230	397	115	172	134	625	83	43	91	210	553
MIN	6.2	15	31	21	22	37	53	25	12	4.6	11	11
CFSM	0.65	1.31	4.08	1.29	1.54	1.79	4.19	1.38	0.66	0.66	0.98	2.65
IN.	0.75	1.46	4.70	1.48	1.66	2.06	4.67	1.59	0.74	0.76	1.12	2.96

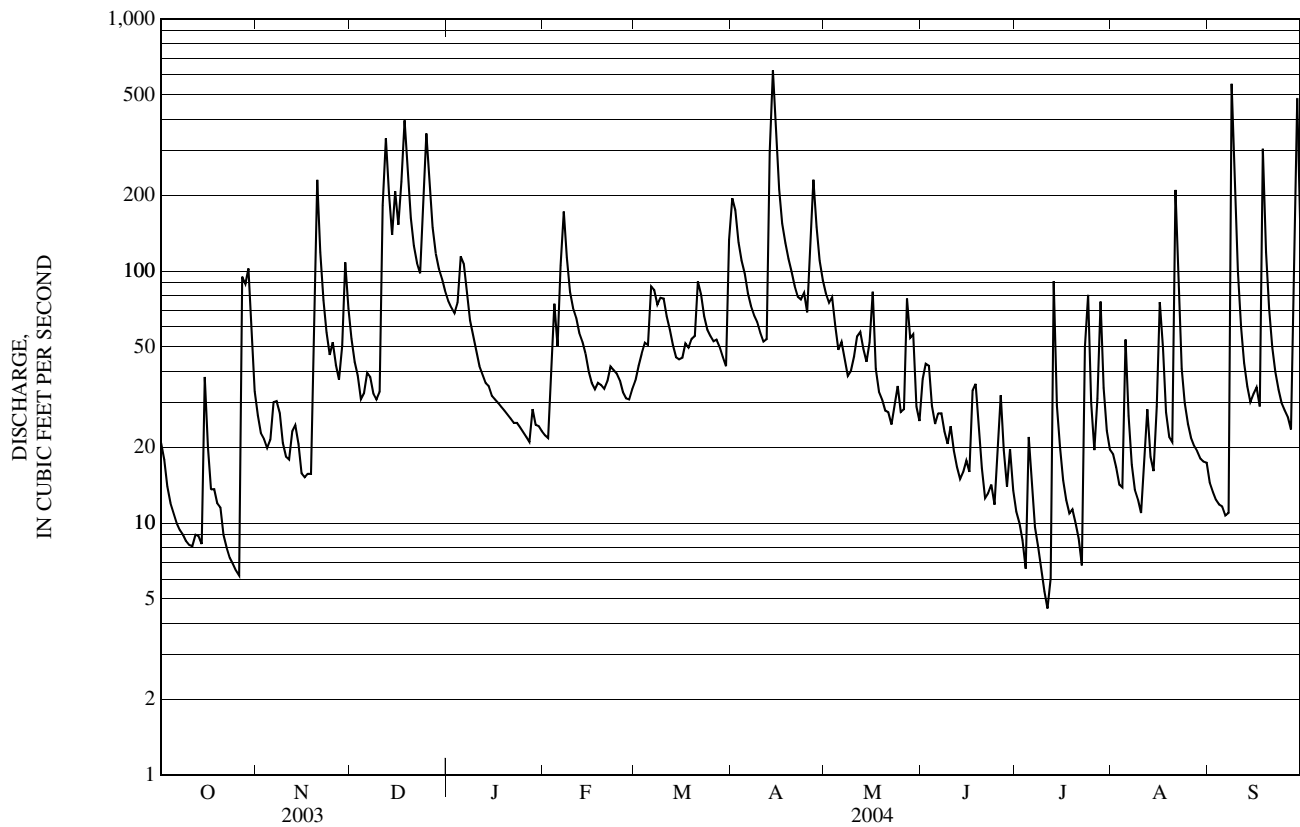
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

	MEAN	15.3	26.3	47.5	62.7	44.3	82.9	87.9	60.5	45.7	13.2	13.9	20.7
MAX	30.9	66.0	139	175	76.1	169	225	193	123	22.3	33.2	90.2	
(WY)	(1978)	(1978)	(2004)	(1979)	(1982)	(1980)	(1980)	(1978)	(2003)	(2004)	(2004)	(2004)	(2004)
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	21,150.4		21,905.1		43.4	
ANNUAL MEAN	57.9		59.9		69.4	
HIGHEST ANNUAL MEAN					13.3	
LOWEST ANNUAL MEAN					1,590	
HIGHEST DAILY MEAN	397	Dec 18	625	Apr 14	1,590	Apr 10, 1980
LOWEST DAILY MEAN	6.1	Jul 31	4.6	Jul 11	0.24	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	7.3	Aug 25	7.9	Jul 6	0.42	Aug 9, 2002
MAXIMUM PEAK FLOW			1,070	Sep 8	1,890	Apr 10, 1980
MAXIMUM PEAK STAGE			4.29	Sep 8	6.56	Apr 10, 1980
INSTANTANEOUS LOW FLOW			3.9	Jul 12	0.18	Aug 28, 2002
ANNUAL RUNOFF (CFSM)	1.70		1.76		1.28	
ANNUAL RUNOFF (INCHES)	23.14		23.97		17.33	
10 PERCENT EXCEEDS	129		127		99	
50 PERCENT EXCEEDS	33		36		20	
90 PERCENT EXCEEDS	9.6		12		4.1	



DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2004						
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 2002-03	07/22/04 08/27/04 09/15/04	0.87 3.96 0.50
01118340 Wyassup Brook	Green Fall River	Lat 41° 27' 17", long 71° 49' 36", New London County, at bridge on State Route 216, 0.5 mi west of Clarks Falls.	11.5	2002-03	07/22/04 08/27/04 09/15/04	4.28 3.06 1.60
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 2002-03	07/22/04 08/27/04 09/15/04	0.18 0.33 0.12
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, R.I.	1.59	1966-67 2002-03	07/22/04 08/27/04 09/15/04	0.97 0.92 0.66
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 2002-03	07/22/04 08/27/04 09/15/04	2.03 1.65 0.70
01118375 Assekunk Brook	Shunock River	Lat 41° 26' 19", long 71° 54' 39", New Lon- don County, at bridge on Jeremy Hill Road, 1.5 mi west of North Stonington.	1.63	1963-65 2002-03	07/22/04 08/27/04 09/15/04	0.02 0.05 0.01
01118380 Assekunk 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 2002-03	07/22/04 08/27/04 09/15/04	0.34 0.45 0.14
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 2002-03 ^b	10/01/03 11/12/03 12/10/03 01/20/04 02/03/04 03/18/04 04/01/04 04/02/04 04/14/04 06/08/04 07/27/04 09/14/04	8.84 34.2 20.6 24.8 17.2 23.9 168 308 434 18.8 3.76 2.82
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 2003	10/01/03 10/15/03 03/09/04 04/01/04 05/11/04 07/09/04 09/22/04	4.00 10.6 26.81 152 26.1 1.56 5.78
THAMES RIVER BASIN						
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	1991-03	11/06/03 03/08/04 05/12/04 07/12/04 09/23/04	408 252 192 35.2 128

^b Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2004						
STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	DATE	DISCHARGE (FT ³ /S)
THAMES RIVER BASIN CONTINUED						
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 2000-03 ^a	01/26/04 03/15/04 05/13/04 06/17/04 07/12/04 08/09/04 09/14/04	66.1 111 130 30.7 24.7 26.4 37.1
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	2003 ^a	11/06/03 02/20/04 03/25/04 06/28/04	592 147 281 74.3
01127749 Oxoboxo Brook	Stony Brook	Lat 41° 27' 08", long 72° 08' 09", New Lon- don County, 300 ft below Rockland Pond, at the downstream side of the tunnel under Rand Whitney Corrugated Box Company at Montville.	9.50	1998-03	10/16/03 01/26/04 03/10/04 05/11/04 07/21/04	20.8 7.34 20.9 23.4 2.59
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	2002-03	10/06/03	1.81
01184445 Kimballs Brook	Broad Brook	Lat 41° 54' 52", long 72° 27' 13", Tolland County, on State Route 83, near Ellington.	1.23	2002-03	10/07/03	0.72
01184448 Kibbes Brook	Broad Brook	Lat 41° 55' 44", long 72° 27' 59", Tolland County, behind Ellington High School, at Ellington.	0.40	2002-03	10/07/03	0.27
01184457 Muddy Brook	Broad Brook	Lat 41° 55' 00", long 72° 28' 53", Tolland County, at Meadow Brook Road, near Ellington.	1.34	2002-03	10/07/03	0.34
01184460 Broad Brook	Scantic River	Lat 41° 54' 56", long 72° 29' 05", Tolland County, at Hatheway Road, at Ellington.	7.73	2002-03	10/07/03	6.52
01184465 Broad Brook	Scantic River	Lat 41° 55' 16", long 72° 30' 17", Tolland County, at Broad Brook Road, near Broad Brook.	9.25	2002-03	10/07/03	9.03
01184468 Creamery Brook	Broad Brook	Lat 41° 55' 33", long 72° 30' 30", Tolland County, on State Route 140, near Broad Brook.	1.11	2002-03	10/07/03	1.40
01184470 Broad Brook	Scantic River	Lat 41° 55' 53", long 72° 31' 17", Hartford County, on East Street, at Melrose.	11.7	1992 2002-03	10/07/03	13.6
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	2002-03	10/08/03	0.514
01184488 Chestnut Brook	Broad Brook	Lat 41° 54' 52", long 72° 32' 52", Hartford County, on State Route 191, at Broad Brook.	1.87	2002-03	10/08/03	2.19

^a Used as discharge for water quality.^b Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2004						
STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	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	1993-03 ^a	12/10/03 02/17/04 04/27/04 06/14/04 07/08/04 08/03/04 09/02/04	97.9 59.7 314 32.6 45.9 35.5 34.0
01192050 Hockanum River	Connecticut River	Lat 41° 51' 57", long 72° 29' 12", Tolland County, at culvert on State Route 74, near Rockville.	25.5	1995-03 ^a	10/20/03 12/15/03 02/24/04 04/05/04 06/16/04 07/21/04 08/11/04 09/13/04	27.8 66.4 79.9 113 17.0 13.9 13.1 15.6
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 1999-03 ^a	04/21/04 06/15/04 09/22/04	113 42.2 54.0
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	1989-03	02/10/04 06/08/04 08/25/04	4.82 3.04 1.64
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	1989-03	06/10/04 08/26/04	3.40 1.75
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	1974-03 ^a	10/16/03 12/16/03 02/11/04 04/08/04 06/21/04 08/05/04 09/20/04	293 326 173 199 70.6 77.8 158
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	1978-03	07/19/04 09/27/04	1.41 1.82
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 1978-03	07/16/04 09/27/04	7.23 7.00
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, near Ashley Falls, Mass.	465	1991-03 ^a	03/08/04 07/27/04 08/27/04	1,790 269 631
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	1993-03 ^a	05/19/04 07/27/04	1580 506
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 1985-03 ^a	11/24/03 03/26/04 05/10/04 08/25/04	475 225 233 192

^a Used as discharge for water quality.^b Operated as a continuous-record gaging station.^c Operated as a low flow and crest-stage station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2004

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (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 1990-03	11/06/03 03/09/04 04/08/04 05/04/04 07/19/04 09/14/04	63.0 21.4 24.0 43.6 2.17 2.15
01208049 Housatonic 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	1980-03 ^a	04/21/04 06/02/04	286 326
01208171 Naugatuck River	Housatonic River	Lat 41° 33' 26", long 73° 03' 17", New Haven County, at West Main Street, at Waterbury.	174	1983-03	11/20/03 06/28/04 09/07/04	501 63.7 42.1
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	2002-03 ^a	01/15/04 03/11/04 06/03/04 07/20/04 08/19/04 09/15/04	343 433 471 152 125 116
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 1990-03	11/06/03 04/20/04 06/23/04 08/24/04	58.1 45.9 3.83 14.5
01208736 Naugatuck River	Housatonic River	Lat 41° 19' 50", long 73° 04' 47", New Haven County, at bridge on Division Street, at Ansonia-Derby town line.	309	1974-03 ^a	11/12/03 01/14/04 03/10/04 05/05/04 06/02/04 07/19/04 08/18/04 09/16/04	682 428 771 991 558 140 182 136
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 1999-03	11/10/03 03/09/04 07/14/04 09/20/04	4.04 8.49 4.01 27.0
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	1981-03 ^a	12/17/03 04/19/04 07/01/04 08/02/04	223 137 10.6 15.9

^a Used as discharge for water quality.^b Operated as a continuous-record gaging station.

WEST THOMPSON LAKE

MULTIPLE STATION ANALYSES

Local identifier	Date	Time	Sam- pling depth, feet (00003)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (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/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
WINDHAM COUNTY											
WT-3	10-31-03	1120	2.00	9.9	90	6.0	160	11.0	32.1	.32	.47
West Thompson Lake, Surface	11-25-03	1155	2.00	11.4	92	5.7	180	6.2	35.0	.23	.33
	06-28-04	1015	2.00	9.6	113	8.7	234	23.5	50.8	.27	.51+c
	07-30-04	1123	2.00	9.4	111	8.2	212	24.0	45.0	.30	.44
	09-07-04	1158	1.00	9.2	108	7.6	217	23.0	45.3	.33	.66
WT-3	06-28-04	1020	12.0	1.3	14	6.5	191	18.0	45.0	.32	.53+c
West Thompson Lake, Middle	07-30-04	1127	14.0	.3	3	6.8	206	17.0	42.6	.41	.57
	09-07-04	1204	13.0	.5	5	7.0	225	19.0	43.2	.60	1.1
	10-31-03	1130	22.0	9.2	78	6.1	204	8.0	42.5	.34	.53
West Thompson Lake, Bottom	11-25-03	1210	22.0	11.3	92	6.0	178	6.0	34.5	.24	.30
	06-28-04	1025	20.0	.2	2	6.6	190	10.0	33.5	1.0	1.1+c
	07-30-04	1133	26.0	.1	1	7.1	276	9.5	33.6	3.2	3.4
	09-07-04	1210	25.0	.1	1	7.0	346	10.0	33.9	4.8d	4.9
WT-1	10-31-03	1210	2.00	9.9	90	6.3	159	10.7	33.5	.35	.42
West Thompson Lake, Surface	11-25-03	1250	2.00	11.5	93	6.1	174	6.5	34.3	.24	.32
WT-2	10-31-03	1310	2.00	10.1	91	6.3	159	10.8	32.8	.39	.41
West Thompson Lake, Upper Lake	11-25-03	1425	2.00	11.6	94	6.4	172	6.5	34.4	.23	.30

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho- phos- phate, 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- plank- ton, fluoro, ug/L (70953)
WINDHAM COUNTY									
WT-3	10-31-03	<.04	.19	<.02	.016	.048	.66	1.5	1.6
West Thompson Lake, Surface	11-25-03	<.04	.29	<.02	.014	.036	.61	--	--
	06-28-04	<.04	.23	<.02	.018	.037+c	.74	7.1	8.8
	07-30-04	<.04	.12	<.02	.017	.037	.56	6.2	5.8
	09-07-04	<.04	.11	<.02	.021	.050	.77	6.6	15.6
WT-3	06-28-04	.07	.24	<.02	.014	.044+c	.77	--	--
West Thompson Lake, Middle	07-30-04	.15	.17	<.02	.013	.057	.74	--	--
	09-07-04	.29	<.06	<.02	.013	.084	--	--	--
	10-31-03	.05	.18	<.02	.013	.039	.71	--	--
West Thompson Lake, Bottom	11-25-03	<.04	.29	<.02	.016	.035	.59	--	--
	06-28-04	.83	<.06	<.02	.010	.036+c	--	--	--
	07-30-04	2.92d	<.06	<.02	.017	.054	--	--	--
	09-07-04	4.47d	<.06	<.02	.039	.079	--	--	--
WT-1	10-31-03	<.04	.18	<.02	.016	.046	.60	1.6	1.3
West Thompson Lake, Surface	11-25-03	<.04	.29	<.02	.011	.034	.61	--	--
WT-2	10-31-03	<.04	.17	<.02	.015	.040	.58	2.7	1.6
West Thompson Lake, Upper Lake	11-25-03	<.04	.32	<.02	.013	.035	.62	--	--

Remark codes used in this table:

< -- Less than

Value qualifier codes used in this table:

+ -- Improper preservation

c -- See laboratory comment

d -- Diluted sample: method hi range exceeded

GROUND-WATER QUALITY

MULTIPLE STATION ANALYSES

Local identifier	Station number	Date-time	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)
LITCHFIELD COUNTY									
CT- WY 11	413325073123501	200407141000	07-14-04	1000	126	12.00	300	.1	749
CT- WY 11b	413325073123502	200407141100	07-14-04	1100	126.00	12.00	300	.2	749
CT- WY 23	413121073122701	200312301200	12-30-03	1200	54	4.00	215	.3	749
		200407231000	07-23-04	1000	54	--	215	--	755
		200408110930	08-11-04	0930	54	4.00	215	.5	755
CT- WY 23b	413121073122702	200407231100	07-23-04	1100	54.00	--	215	--	755
CT- WY 67	413046073122601	200407301140	07-30-04	1140	40	--	205	1.2	760
CT- WY 67b	413046073122602	200407301100	07-30-04	1100	40.00	--	205	1.4	760
CT- WY 68	413615073102101	200406231030	06-23-04	1030	40	11.00	450	.1	749
CT- WY 68b	413615073102102	200406231130	06-23-04	1130	40.00	11.00	450	.2	749

HARTFORD COUNTY

CT- PV 86	414143072515801	200406291040	06-29-04	1040	93	5.00	200	.3	758
CT- PV 86b	414143072515802	200406291130	06-29-04	1130	93.00	5.00	200	.2	758
CT- S 402	413349072524301	200406221030	06-22-04	1030	90	10.50	120	.2	756
CT- S 402b	413349072524302	200406221130	06-22-04	1130	90.00	--	120	.4	756
CT- S 403	413627072521801	200406221330	06-22-04	1330	70	12.00	179	.1	756
CT- S 403b	413627072521802	200406221430	06-22-04	1430	70.00	12.00	179	.1	756

NEW HAVEN COUNTY

CT- CS 245	413224072524001	200406171045	06-17-04	1045	102.3	14.00	136	.4	760
CT- CS 245a	413224072524002	200406171330	06-17-04	1330	102.30	14.00	136	.4	760
CT- SB 112	412922073153901	200406181015	06-18-04	1015	76	10.50	175	.6	758
CT- SB 112B	412922073153903	200406181130	06-18-04	1130	76	--	175	--	758
CT- SB 118	412925073132201	200407151115	07-15-04	1115	64	5.10	189	.1	747
CT- SB 118b	412925073132202	200407151000	07-15-04	1000	64.00	5.10	189	.2	747

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	2.6	24	6.5	220	28.0	12.0	--	--	--	--
CT- WY 11b	07-14-04	2.5	24	6.6	222	29.0	12.5	--	--	--	--
CT- WY 23	12-30-03	--	--	6.2	283	10.0	12.0	25.2	7.00	1.58	19.6
	07-23-04	4.7	44	6.3	288	27.0	12.5	--	--	--	--
	08-11-04	5.2	48	6.3	292	27.0	12.5	25.7	6.67	1.43	19.7
CT- WY 23b	07-23-04	11.2	117	7.8	280	27.0	17.0	--	--	--	--
CT- WY 67	07-30-04	6.7	61	6.4	285	28.0	11.5	--	--	--	--
CT- WY 67b	07-30-04	7.1	69	6.4	283	25.0	13.5	--	--	--	--
CT- WY 68	06-23-04	3.8	35	6.3	134	27.0	11.5	--	--	--	--
CT- WY 68b	06-23-04	4.5	43	7.1	170	26.0	13.0	--	--	--	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	9.5	94	7.2	412	26.0	12.5	--	--	--	--
CT- PV 86b	06-29-04	9.3	89	7.1	414	26.0	13.5	--	--	--	--
CT- S 402	06-22-04	4.1	38	7.6	398	25.0	12.0	--	--	--	--
CT- S 402b	06-22-04	11.2	104	7.9	383	26.0	12.0	--	--	--	--
CT- S 403	06-22-04	7.9	74	7.2	470	27.0	12.5	--	--	--	--
CT- S 403b	06-22-04	7.5	73	7.2	484	27.0	14.0	--	--	--	--
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	7.3	71	7.3	272	27.0	14.0	--	--	--	--
CT- CS 245a	06-17-04	10.2	105	7.7	311	28.0	17.0	--	--	--	--
CT- SB 112	06-18-04	7.0	70	6.2	340	25.0	13.5	--	--	--	--
CT- SB 112B	06-18-04	10.3	105	7.0	316	26.0	16.0	--	--	--	--
CT- SB 118	07-15-04	4.2	40	6.8	408	28.0	13.5	--	--	--	--
CT- SB 118b	07-15-04	4.2	43	6.6	215	28.0	15.5	--	--	--	--

MULTIPLE STATION ANALYSES—CONTINUED

[illegible][illegible]

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Dichlorobenzene, water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd, 0.7u GF ug/L (38746)	2,6-Dimethylaniline, water, fltrd, ug/L (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- WY 11b	07-14-04	--	--	<.5	<.5	<.09	--	--	--	<.006	<.5
CT- WY 23	12-30-03	.4	4.1	--	--	<.09	--	--	--	<.006	--
	07-23-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
	08-11-04	.6	4.1	--	--	<.09	--	--	--	<.006	--
CT- WY 23b	07-23-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- WY 67	07-30-04	--	--	<.5	<.5	--	--	--	--	--	<.5
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- WY 68b	06-23-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	<.5	<.5	--	--	--	--	--	<.5
CT- PV 86b	06-29-04	--	--	<.5	<.5	--	--	--	--	--	<.5
CT- S 402	06-22-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- S 402b	06-22-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- S 403	06-22-04	--	--	--	--	<.09	<.009	<.02	<.02mc	<.006	--
CT- S 403b	06-22-04	--	--	--	--	<.09	<.009	<.02	<.02mc	<.006	--

NEW HAVEN COUNTY

CT- CS 245	06-17-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- CS 245a	06-17-04	--	--	<.5	<.5	<.09	--	--	--	<.006	<.5
CT- SB 112	06-18-04	--	--	--	--	<.09	<.009	<.02	<.02mc	<.006	--
CT- SB 112B	06-18-04	--	--	<.5mc	<.5	<.09mc	<.009	<.02	<.02c	<.006	<.5
CT- SB 118	07-15-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5
CT- SB 118b	07-15-04	--	--	<.5	<.5	<.09	<.009	<.02	<.02mc	<.006	<.5

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, (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-methylnaphthalene, water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3,4-Dichloroaniline, 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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	--	<.005	E.016	<.01mc	<.004	E.008mc	<.5	<.004	<2	<.006
CT- WY 11b	07-14-04	--	<.005	E.019	--	<.004	--	<.5	<.004	<2	--
CT- WY 23	12-30-03	<.1	<.005	<.006	--	<.004	--	--	<.004	--	--
	07-23-04	--	<.005	<.006	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
	08-11-04	--	<.005	<.006	--	<.004	--	--	<.004	--	--
CT- WY 23b	07-23-04	--	<.005	<.006	<.01mc	<.004	<.008mc	<.5	E.003n	<2	<.006
CT- WY 67	07-30-04	--	--	--	--	--	--	<.5	--	<2	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	<.005	E.010	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
CT- WY 68b	06-23-04	--	<.005	E.009	<.01mc	<.004	E.005mc	<.5	<.004	<2	<.006

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	--	--	--	--	<.5	--	<2	--
CT- PV 86b	06-29-04	--	--	--	--	--	--	<.5	--	<2	--
CT- S 402	06-22-04	--	<.005	E.002t	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
CT- S 402b	06-22-04	--	<.005	E.002t	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
CT- S 403	06-22-04	--	<.005	E.002t	<.01mc	<.004	E.008mc	--	<.004	--	<.006
CT- S 403b	06-22-04	--	<.005	E.003t	<.01mc	<.004	E.006mc	--	<.004	--	<.006

NEW HAVEN COUNTY

CT- CS 245	06-17-04	--	<.005	E.006	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
CT- CS 245a	06-17-04	--	<.005	E.008	--	<.004	--	<.5	<.004	<2	--
CT- SB 112	06-18-04	--	<.005	E.002t	<.01mc	<.004	<.008mc	--	<.004	--	<.006
CT- SB 112B	06-18-04	--	<.005	E.002mtc	<.01mc	<.004mc	<.008c	<.5	<.004	<2	<.006
CT- SB 118	07-15-04	--	<.005	E.007	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006
CT- SB 118b	07-15-04	--	<.005	E.012	<.01mc	<.004	<.008mc	<.5	<.004	<2	<.006

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- WY 11b	07-14-04	--	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- WY 23	12-30-03	--	--	--	<.006	--	--	--	--	--	--
	07-23-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
	08-11-04	--	--	--	<.006	--	--	--	--	--	--
CT- WY 23b	07-23-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- WY 67	07-30-04	--	<1	<5	--	<1	<1	<5	<1	<2	<.5
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- WY 68b	06-23-04	<.014mc	<1	<5	<.006	<1	<1	E1	<1	<2	<.5

HARTFORD COUNTY

CT- PV 86	06-29-04	--	<1	<5	--	<1	<1	E2	<1	<2	<.5
CT- PV 86b	06-29-04	--	<1	<5	--	<1	<1	<5	<1	<2	<.5
CT- S 402	06-22-04	<.014mc	<1	<5	<.006	<1	<1	<5	M	<2	<.5
CT- S 402b	06-22-04	<.014mc	<1	<5	<.006	<1	<1	E1	<1	<2	<.5
CT- S 403	06-22-04	<.014mc	--	--	<.006	--	--	--	--	--	--
CT- S 403b	06-22-04	<.014mc	--	--	<.006	--	--	--	--	--	--

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- CS 245a	06-17-04	--	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- SB 112	06-18-04	<.014mc	--	--	<.006	--	--	--	--	--	--
CT- SB 112B	06-18-04	<.014mc	<1	<5mc	<.006mc	<1	<1	E1mc	<1	<2	<.5
CT- SB 118	07-15-04	<.014mc	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
CT- SB 118b	07-15-04	<.014mc	<1	<5	E.004n	<1	<1	<5	<1	<2	<.5

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Aceto-chlor, water, fltrd, ug/L (49260)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, 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)	Anthra-cene, water, fltrd, ug/L (34221)	Atra-zine, water, fltrd, ug/L (39632)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	.021
CT- WY 11b	07-14-04	<.006	<.5	<.5	--	<.005	--	--	--	<.5	.024
CT- WY 23	12-30-03	<.006	--	--	--	<.005	--	--	--	--	<.007
	07-23-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	<.007
	08-11-04	<.006	--	--	--	<.005	--	--	--	--	<.007
CT- WY 23b	07-23-04	<.006	<.5	E.1t	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	<.007
CT- WY 67	07-30-04	--	<.5	<.5	--	--	--	--	--	<.5	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	.015
CT- WY 68b	06-23-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	.016
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	<.5	E.1	--	--	--	--	--	<.5	--
CT- PV 86b	06-29-04	--	<.5	<.5	--	--	--	--	--	<.5	--
CT- S 402	06-22-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	E.003t
CT- S 402b	06-22-04	<.006	<.5	M	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	E.003t
CT- S 403	06-22-04	<.006	--	--	<.007	<.005	<.02mc	<.008mc	<.04mc	--	.018
CT- S 403b	06-22-04	<.006	--	--	<.007	<.005	<.02mc	<.008mc	<.04mc	--	.019
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	E.006n
CT- CS 245a	06-17-04	<.006	<.5	<.5	--	<.005	--	--	--	<.5	.009
CT- SB 112	06-18-04	<.006	--	--	<.007	<.005	<.02mc	<.008mc	<.04mc	--	Mt
CT- SB 112B	06-18-04	<.006	<.5	<.5	<.007	<.005	<.02c	<.008c	<.04mc	<.5	<.007
CT- SB 118	07-15-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	.011
CT- SB 118b	07-15-04	<.006	<.5	<.5	<.007	<.005	<.02mc	<.008mc	<.04mc	<.5	.030

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Benomyl, water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone, water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.07	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
CT- WY 11b	07-14-04	<.07	<.050	--	<.010	--	--	--	<.5	<.5	<.2
CT- WY 23	12-30-03	<.02	<.050	--	<.010	--	--	--	--	--	--
	07-23-04	<.07	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
	08-11-04	<.07	<.050	--	<.010	--	--	--	--	--	--
CT- WY 23b	07-23-04	<.07	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
CT- WY 67	07-30-04	--	--	--	--	--	--	--	<.5	<.5	<.2
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
CT- WY 68b	06-23-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	--	--	--	--	--	<.5	E.1	<.2
CT- PV 86b	06-29-04	--	--	--	--	--	--	--	<.5	<.5	<.2
CT- S 402	06-22-04	<.02	<.050	<.03	<.010	<.004	<.02	E.01mc	<.5	<.5	<.2
CT- S 402b	06-22-04	<.02	<.050	<.03	<.010	<.004	<.02	E.01mc	<.5	<.5	<.2
CT- S 403	06-22-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	--	--	--
CT- S 403b	06-22-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	--	--	--

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
CT- CS 245a	06-17-04	<.02	<.050	--	<.010	--	--	--	<.5	M	<.2
CT- SB 112	06-18-04	<.02	<.050	<.03	<.010	<.004	<.02	<.01mc	--	--	--
CT- SB 112B	06-18-04	<.02mc	<.050mc	<.03	<.010	<.004	<.02	<.01c	<.5	<.5	<.2
CT- SB 118	07-15-04	<.07	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2
CT- SB 118b	07-15-04	<.07	<.050	<.03	<.010	<.004	<.02	<.01mc	<.5	<.5	<.2

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	beta-Stigma-stanol, 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)	Camphor, water, fltrd, ug/L (62070)	Car-baryl, water, fltrd, 0.7u GF ug/L (49310)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.2	Mt	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006
CT- WY 11b	07-14-04	<.2	Mt	<.5	--	<.5	<.5	--	<.041	<.5	--
CT- WY 23	12-30-03	--	--	--	--	--	--	--	<.041	--	--
	07-23-04	<.2	<.1	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006
	08-11-04	--	--	--	--	--	--	--	<.041	--	--
CT- WY 23b	07-23-04	<.2	<.1	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006
CT- WY 67	07-30-04	<.2	<.1	<.5	--	<.5	<.5	--	<.1	<.5	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.2	<.1	<.03mc	<.02mc	<.5	<.5	<.03	<.041	<.5	<.006
CT- WY 68b	06-23-04	<.2	<.1	<.03mc	<.02mc	<.5	<.5	<.03	<.041	<.5	<.006

HARTFORD COUNTY

CT- PV 86	06-29-04	<.2	2	<.5	--	<.5	<.5	--	<.1	<.5	--
CT- PV 86b	06-29-04	<.2	<.1	<.5	--	<.5	<.5	--	<.1	<.5	--
CT- S 402	06-22-04	<.2	<.1	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006
CT- S 402b	06-22-04	<.2	<.1	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006
CT- S 403	06-22-04	--	--	<.03mc	<.02mc	<.0096	--	<.03	<.041	--	<.006
CT- S 403b	06-22-04	--	--	<.03mc	<.02mc	<.0096	--	<.03	<.041	--	<.006

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.2	<.1	<.03mc	<.02mc	<.5	<.5	<.03	<.041	<.5	<.006
CT- CS 245a	06-17-04	<.2	<.1	<.5	--	<.5	<.5	--	<.041	<.5	--
CT- SB 112	06-18-04	--	--	<.03mc	<.02mc	<.0096	--	<.03	<.041	--	<.006
CT- SB 112B	06-18-04	<.2	M	<.03c	<.02c	<.0096	<.5	<.03	<.041mc	<.5	<.006
CT- SB 118	07-15-04	<.2	Mt	<.03mc	<.02mc	<.0096	<.5	<.03	E.008t	<.5	<.006
CT- SB 118b	07-15-04	<.2	Mt	<.03mc	<.02mc	<.0096	<.5	<.03	<.041	<.5	<.006

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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 ug/L (49306)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cot-inine, water, fltrd, ug/L (62005)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.02mc	<.010	E.01mtc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- WY 11b	07-14-04	--	--	--	--	<.06	<.005	<2	<.006	--	<1.00
CT- WY 23	12-30-03	--	--	--	--	<.06	<.005	--	<.006	--	--
	07-23-04	<.02mc	<.010	<.04mnc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
	08-11-04	--	--	--	--	<.06	<.005	--	<.006	--	--
CT- WY 23b	07-23-04	<.02mc	<.010	<.04mnc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- WY 67	07-30-04	--	--	--	--	--	<.5	<2	--	--	<1.00
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.02mc	<.010	<.04mc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- WY 68b	06-23-04	<.02mc	<.010	<.04mc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	--	--	--	<.5	<2	--	--	<1.00
CT- PV 86b	06-29-04	--	--	--	--	--	<.5	<2	--	--	<1.00
CT- S 402	06-22-04	<.02mc	<.010	Mmc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- S 402b	06-22-04	<.02mc	<.010	Mmc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- S 403	06-22-04	<.02mc	<.010	<.04mc	<.04mc	<.06	<.005	--	<.006	<.01	--
CT- S 403b	06-22-04	<.02mc	<.010	<.04mc	<.04mc	<.06	<.005	--	<.006	<.01	--

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.02mc	<.010	<.04mc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- CS 245a	06-17-04	--	--	--	--	<.06	<.005	<2	<.006	--	<1.00
CT- SB 112	06-18-04	<.02mc	<.010	Mmc	<.04mc	<.06	<.005	--	<.006	<.01	--
CT- SB 112B	06-18-04	<.02c	<.010mc	Mmc	<.04c	<.06mc	<.005	<2	<.006	<.01	<1.00
CT- SB 118	07-15-04	<.02mc	<.010	<.04mnc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00
CT- SB 118b	07-15-04	<.02mc	<.010	<.04mnc	<.04mc	<.06	<.005	<2	<.006	<.01	<1.00

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin 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)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- WY 11b	07-14-04	--	<.008	<.009	--	<.003	<.5	<.012	<.01	<.005	--
CT- WY 23	12-30-03	--	<.008	<.009	--	<.003	--	<.012	<.01	<.005	--
	07-23-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
	08-11-04	--	<.008	<.009	--	<.003	--	<.012	<.01	<.005	--
CT- WY 23b	07-23-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- WY 67	07-30-04	--	--	--	--	--	<.5	--	--	<.5	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- WY 68b	06-23-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	--	--	--	E.3	--	--	<.5	--
CT- PV 86b	06-29-04	--	--	--	--	--	E.1	--	--	<.5	--
CT- S 402	06-22-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- S 402b	06-22-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- S 403	06-22-04	<.01mc	<.008	<.009	<.01	<.003	--	<.012	<.01	<.005	<.01
CT- S 403b	06-22-04	<.01mc	<.008	<.009	<.01	<.003	--	<.012	<.01	<.005	<.01
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- CS 245a	06-17-04	--	<.008	<.009	--	<.003	E.1	<.012	<.01	<.005	--
CT- SB 112	06-18-04	<.01mc	<.008	<.009	<.01	<.003	--	<.012	<.01	<.005	<.01
CT- SB 112B	06-18-04	<.01c	<.008mc	<.009mc	<.01	<.003	<.5	<.012	<.01	<.005	<.01
CT- SB 118	07-15-04	<.01mc	<.008	<.009	<.01	<.003	<.5	<.012	<.01	.010	<.01
CT- SB 118b	07-15-04	<.01mc	<.008	<.009	<.01	<.003	Mt	<.012	<.01	.005	<.01

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen- amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	D-Limo- nene, water, fltrd, ug/L (62073)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- WY 11b	07-14-04	--	<.08	<.009	<5	<1	<.006	--	--	--	<.5
CT- WY 23	12-30-03	--	<.08	<.009	--	--	<.006	--	--	--	--
	07-23-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
	08-11-04	--	<.08	<.009	--	--	<.006	--	--	--	--
CT- WY 23b	07-23-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- WY 67	07-30-04	--	--	--	<5	<1	--	--	--	--	<.5
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- WY 68b	06-23-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	--	E3	<1	--	--	--	--	<.5
CT- PV 86b	06-29-04	--	--	--	<5	<1	--	--	--	--	<.5
CT- S 402	06-22-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- S 402b	06-22-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- S 403	06-22-04	<.01	<.08	<.009	--	--	<.006	<.01	<.03	<.01	--
CT- S 403b	06-22-04	<.01	<.08	<.009	--	--	<.006	<.01	<.03	<.01	--
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- CS 245a	06-17-04	--	<.08	<.009	<5	<1	<.006	--	--	--	<.5
CT- SB 112	06-18-04	<.01	<.08	<.009	--	--	<.006	<.01	<.03	<.01	--
CT- SB 112B	06-18-04	<.01	<.08mc	<.009	<5mc	<1mc	<.006mc	<.01	<.03	<.01	<.5mc
CT- SB 118	07-15-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5
CT- SB 118b	07-15-04	<.01	<.08	<.009	<5	<1	<.006	<.01	<.03	<.01	<.5

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf- inyl- fipron- il amide, wat flt ug/L (62169)	Fipron- il sulfide water, fltrd, ug/L (62167)	Fipron- il sulfone water, fltrd, ug/L (62168)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024
CT- WY 11b	07-14-04	<.0020	<.004	<1	<.049	<.04	<.03	--	<.029	<.013	<.024
CT- WY 23	12-30-03	<.03	<.004	--	<.008	<.03	<.03	--	<.029	<.013	<.024
	07-23-04	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	E.007n	<.024
	08-11-04	<.0020	<.004	--	<.049	<.04	<.03	--	<.029	<.013	<.024
CT- WY 23b	07-23-04	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	E.007n	<.024
CT- WY 67	07-30-04	--	--	<1	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- WY 68b	06-23-04	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	<1	--	--	--	--	--	--	--
CT- PV 86b	06-29-04	--	--	<1	--	--	--	--	--	--	--
CT- S 402	06-22-04	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- S 402b	06-22-04	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- S 403	06-22-04	<.03	<.004	--	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- S 403b	06-22-04	<.03	<.004	--	<.008	<.03	<.03	<.03	<.029	<.013	<.024
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- CS 245a	06-17-04	<.03	<.004	<1	<.008	<.03	<.03	--	<.029	<.013	<.024
CT- SB 112	06-18-04	<.03	<.004	--	<.008	<.03	<.03	<.03	<.029	<.013	<.024
CT- SB 112B	06-18-04	<.03mc	<.004	<1mc	<.008	<.03mc	<.03	<.03	<.029	<.013	<.024
CT- SB 118	07-15-04	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024
CT- SB 118b	07-15-04	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Fipronil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluometuron 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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.016	--u	<.03	<.5	<.003	<.003	<.5	<.013	<.02mc	<.02mc
CT- WY 11b	07-14-04	<.016	--	--	<.5	<.003	<.003	<.5	<.013	--	--
CT- WY 23	12-30-03	<.016	--	--	--	<.002	<.003	--	<.013	--	--
	07-23-04	E.006t	<.01mc	<.03	<.5	<.003	<.003	<.5	<.013	<.02mc	<.02mc
	08-11-04	<.016	--	--	--	<.003	<.003	--	<.013	--	--
CT- WY 23b	07-23-04	<.016	<.01mc	<.03	<.5	<.003	<.003	<.5	<.013	<.02mc	<.02mc
CT- WY 67	07-30-04	--	--	--	<.5	--	--	<.5	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.016	<.01mc	<.03	<.5	<.002	<.003	<.5	<.013	<.02mc	<.02mc
CT- WY 68b	06-23-04	<.016	<.01mc	<.03	<.5	<.002	<.003	<.5	<.013	<.02mc	<.02mc

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	--	<.5	--	--	E.1	--	--	--
CT- PV 86b	06-29-04	--	--	--	<.5	--	--	<.5	--	--	--
CT- S 402	06-22-04	<.016	<.01mc	<.03	<.5	<.002	<.003	<.5	<.013	<.02mc	<.02mc
CT- S 402b	06-22-04	<.016	<.01mc	<.03	<.5	<.002	<.003	<.5	<.013	<.02mc	<.02mc
CT- S 403	06-22-04	<.016	<.01mc	<.03	--	<.002	<.003	--	<.013	<.02mc	<.02mc
CT- S 403b	06-22-04	<.016	<.01mc	<.03	--	<.002	<.003	--	<.013	<.02mc	<.02mc

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.016	<.01mc	<.03	<.5	<.002	<.003	<.5	<.013	<.02mc	<.02mc
CT- CS 245a	06-17-04	<.016	--	--	<.5	<.002	<.003	<.5	<.013	--	--
CT- SB 112	06-18-04	<.016	<.01mc	<.03	--	<.002	<.003	--	<.013	<.02mc	<.02mc
CT- SB 112B	06-18-04	<.016	<.01c	<.03	<.5	<.002mc	<.003	<.5	<.013	<.02mc	<.02c
CT- SB 118	07-15-04	E.003t	<.01mc	<.03	<.5	<.003	<.003	<.5	<.013	<.02mc	<.02mc
CT- SB 118b	07-15-04	<.016	<.01mc	<.03	<.5	<.003	<.003	<.5	<.013	<.02mc	<.02mc

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.007	<.5	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030
CT- WY 11b	07-14-04	--	<.5	<.387	<.5	<.003	<.5	<.5	<.5	--	<.030
CT- WY 23	12-30-03	--	--	<1	--	<.003	--	--	--	--	<.008
	07-23-04	<.007	<.5	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030
	08-11-04	--	--	<.387	--	<.003	--	--	--	--	<.030
CT- WY 23b	07-23-04	<.007	<.5	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030
CT- WY 67	07-30-04	--	<.5	--	<.5	--	<.5	<.5	<.5	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.007	<.5	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008
CT- WY 68b	06-23-04	<.007	<.5	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	<.5	--	<.5	--	<.5	<.5	<.5	--	--
CT- PV 86b	06-29-04	--	<.5	--	<.5	--	<.5	<.5	<.5	--	--
CT- S 402	06-22-04	<.007	<.5	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008
CT- S 402b	06-22-04	<.007	<.5	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008
CT- S 403	06-22-04	E.006	--	<1	--	<.003	--	--	--	<.01	<.008
CT- S 403b	06-22-04	<.007	--	<1	--	<.003	--	--	--	<.01	<.008
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.007	<.5	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008
CT- CS 245a	06-17-04	--	<.5	<1	<.5	<.003	<.5	<.5	<.5	--	<.008
CT- SB 112	06-18-04	<.007	--	<1	--	<.003	--	--	--	<.01	<.008
CT- SB 112B	06-18-04	<.007	<.5	<1mc	<.5	<.003	<.5	<.5mc	<.5	<.01	<.008
CT- SB 118	07-15-04	<.013	<.5	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030
CT- SB 118b	07-15-04	<.007	<.5	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd, 0.7u GF ug/L (38482)	MCPB, water, fltrd, 0.7u GF ug/L (38487)	Menthol, water, fltrd, ug/L (62080)	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 ug/L (38501)	Meth-omyl, water, fltrd, 0.7u GF ug/L (49296)	Methyl acetate, water, unfltrd, ug/L (77032)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- WY 11b	07-14-04	<.027	--	--	<.5	<.5	<.005	<.006	--	--	--
CT- WY 23	12-30-03	<.027	--	--	--	--	<.005	<.006	--	--	<.4
	07-23-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
	08-11-04	<.027	--	--	--	--	<.005	<.006	--	--	<.4
CT- WY 23b	07-23-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- WY 67	07-30-04	--	--	--	<.5	<.5	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- WY 68b	06-23-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	--	<.5	<.5	--	--	--	--	--
CT- PV 86b	06-29-04	--	--	--	<.5	<.5	--	--	--	--	--
CT- S 402	06-22-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- S 402b	06-22-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- S 403	06-22-04	<.027	<.02	<.01mc	--	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- S 403b	06-22-04	<.027	<.02	<.01mc	--	<.02	<.005	<.006	<.008mc	<.004mc	--
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.027	<.02	<.01mc	<.5	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- CS 245a	06-17-04	<.027	--	--	<.5	E.1	.071	<.006	--	--	--
CT- SB 112	06-18-04	<.027	<.02	<.01mc	--	<.02	<.005	<.006	<.008mc	<.004mc	--
CT- SB 112B	06-18-04	<.027	<.02	<.01c	<.5	<.02	<.005	<.006	<.008c	<.004c	--
CT- SB 118	07-15-04	<.027	<.02	<.01mc	<.5	E.01t	.010	<.006	<.008mc	<.004mc	--
CT- SB 118b	07-15-04	<.027	<.02	<.01mc	<.5	<.02	<.020	<.006	<.008mc	<.004mc	--

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	Myclo-butanil, water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl)-N'-methyl-urea, ug/L (61692)	Naphth-alene, water, fltrd, ug/L (34443)	Neburon, water, fltrd, 0.7u GF ug/L (49294)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.03	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- WY 11b	07-14-04	<.03	<.015	<.5	<.013	<.006	--	<.008	--	<.5	--
CT- WY 23	12-30-03	<.03	<.015	--	<.013	<.006	--	<.008	--	--	--
	07-23-04	<.03	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
	08-11-04	<.03	<.015	--	<.013	<.006	--	<.008	--	--	--
CT- WY 23b	07-23-04	<.03	<.015	E.1t	<.013	<.006	<.03mc	<.008	<.02	Mt	<.01
CT- WY 67	07-30-04	--	--	<.5	<.5	--	--	--	--	<.5	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.03	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- WY 68b	06-23-04	<.03	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	<.5	<.5	--	--	--	--	<.5	--
CT- PV 86b	06-29-04	--	--	<.5	<.5	--	--	--	--	<.5	--
CT- S 402	06-22-04	<.03	<.015	<.5	E.002t	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- S 402b	06-22-04	<.03	<.015	<.5	E.002t	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- S 403	06-22-04	<.03	<.015	--	<.013	<.006	<.03mc	<.008	<.02	--	<.01
CT- S 403b	06-22-04	<.03	<.015	--	<.013	<.006	<.03mc	<.008	<.02	--	<.01
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.03	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- CS 245a	06-17-04	<.03	<.015	<.5	<.013	<.006	--	<.008	--	<.5	--
CT- SB 112	06-18-04	<.03	<.015	--	<.013	<.006	<.03mc	<.008	<.02	--	<.01
CT- SB 112B	06-18-04	<.03mc	<.015	<.5	<.013	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- SB 118	07-15-04	<.03	<.015	<.5	E.006n	<.006	<.03mc	<.008	<.02	<.5	<.01
CT- SB 118b	07-15-04	<.03	<.015	<.5	<.013	<.010	<.03mc	<.008	<.02	<.5	<.01

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate oxon, water, fltrd, ug/L (61666)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	E.2t	<.10
CT- WY 11b	07-14-04	--	--	--	--	<1	<.022	<2	<.5	<.5	<.10
CT- WY 23	12-30-03	--	--	--	--	--	<.022	--	--	--	<.10
	07-23-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	.6	<.10
	08-11-04	--	--	--	--	--	<.022	--	--	--	<.10
CT- WY 23b	07-23-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	E.2t	<.10
CT- WY 67	07-30-04	--	--	--	--	<1	--	<2	<.5	<.5	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	E.2	<.10
CT- WY 68b	06-23-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10

HARTFORD COUNTY

CT- PV 86	06-29-04	--	--	--	--	<1	--	<2	<.5	E.4	--
CT- PV 86b	06-29-04	--	--	--	--	<1	--	<2	<.5	<.5	--
CT- S 402	06-22-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	E.1	<.10
CT- S 402b	06-22-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10
CT- S 403	06-22-04	<.01	<.02mc	<.02	<.01	--	<.022	--	--	--	<.10
CT- S 403b	06-22-04	<.01	<.02mc	<.02	<.01	--	<.022	--	--	--	<.10

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	.8	<.10
CT- CS 245a	06-17-04	--	--	--	--	<1	<.022	<2	<.5	<.5	<.10
CT- SB 112	06-18-04	<.01	<.02mc	<.02	<.01	--	<.022	--	--	--	<.10
CT- SB 112B	06-18-04	<.01mc	<.02c	<.02	<.01	<1	<.022	<2mc	<.5	<.5	<.10mc
CT- SB 118	07-15-04	<.01	<.02mc	<.02	<.01	<1	<.022	<2	<.5	E.4t	<.10
CT- SB 118b	07-15-04	<.01	<.02mc	.07	<.01	<1	<.022	<2	<.5	1.1	<.10

MULTIPLE STATION ANALYSES—CONTINUED

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)	Pic-loram, water, fltrd, 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd, 0.7u GF ug/L (38538)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.011	<.05	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- WY 11b	07-14-04	<.011	<.05	<.008	--	<.01	<.005	<.004	--	--	--
CT- WY 23	12-30-03	<.011	<.06	<.008	--	Mn	<.005	<.004	--	--	--
	07-23-04	<.011	<.05	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
	08-11-04	<.011	--u	--u	--	.01	<.005	<.004	--	--	--
CT- WY 23b	07-23-04	<.011	<.05	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- WY 67	07-30-04	--	--	--	--	<.5	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.011	<.06	<.008	<.02	.01	<.005	<.004	<.010	<.02	<.008
CT- WY 68b	06-23-04	<.011	<.06	<.008	<.02	E.01	<.005	<.004	<.010	<.02	<.008
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	--	--	--	<.5	--	--	--	--	--
CT- PV 86b	06-29-04	--	--	--	--	<.5	--	--	--	--	--
CT- S 402	06-22-04	<.011	<.06	<.008	<.02	Mn	<.005	<.004	<.010	<.02	<.008
CT- S 402b	06-22-04	<.011	<.06	<.008	<.02	Mn	<.005	<.004	<.010	<.02	<.008
CT- S 403	06-22-04	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- S 403b	06-22-04	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- CS 245a	06-17-04	<.011	<.06	<.008	--	<.01	<.005	<.004	--	--	--
CT- SB 112	06-18-04	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- SB 112B	06-18-04	<.011	<.06mc	<.008mc	<.02	<.01	<.005	<.004	<.010	<.02	<.008
CT- SB 118	07-15-04	<.011	<.05	<.008	<.02	E.01	<.005	<.004	<.010	<.02	<.008
CT- SB 118b	07-15-04	<.011	<.05	<.008	<.02	E.01	<.005	<.004	<.010	<.02	<.008

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd, ug/L (04032)	Ter- bufos oxon sulfone fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	tert- Amyl alcohol water unfltrd ug/L (77073)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.5	<.02	<.005	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- WY 11b	07-14-04	<.5	--	<.005	--	<.02	--	<.07	<.02	<.01	--
CT- WY 23	12-30-03	--	--	.006	--	<.02	--	<.07	<.02	<.01	<.4b
	07-23-04	<.5	<.02	.008	<.009	<.02	<.010mc	<.07	<.02	<.01	--
	08-11-04	--	--	.008	--	<.02	--	<.07	<.02	<.01	<.4b
CT- WY 23b	07-23-04	<.5	<.02	.010	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- WY 67	07-30-04	<.5	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.5	<.02	.007	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- WY 68b	06-23-04	<.5	<.02	.006	<.009	<.02	<.010mc	<.07	<.02	<.01	--

HARTFORD COUNTY

CT- PV 86	06-29-04	<.5	--	--	--	--	--	--	--	--	--
CT- PV 86b	06-29-04	<.5	--	--	--	--	--	--	--	--	--
CT- S 402	06-22-04	<.5	<.02	E.001t	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- S 402b	06-22-04	<.5	<.02	E.001t	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- S 403	06-22-04	--	<.02	E.003n	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- S 403b	06-22-04	--	<.02	E.003n	<.009	<.02	<.010mc	<.07	<.02	<.01	--

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.5	<.02	<.005	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- CS 245a	06-17-04	<.5	--	<.005	--	<.02	--	<.07	<.02	<.01	--
CT- SB 112	06-18-04	--	<.02	E.001t	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- SB 112B	06-18-04	<.5	<.02	E.001t	<.009	<.02	<.010c	<.07	<.02	<.01	--
CT- SB 118	07-15-04	<.5	<.02	.007	<.009	<.02	<.010mc	<.07	<.02	<.01	--
CT- SB 118b	07-15-04	<.5	<.02	.011	<.009	<.02	<.010mc	<.07	<.02	<.01	--

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	tert- Butyl- alcohol water unfltrd ug/L (77035)	Tetra- chloro- ethene, water, fltrd, ug/L (34476)	Tri- bromo- methane water, fltrd, ug/L (34288)	Tri- butyl phos- phate, water, fltrd, ug/L (62089)	Tri- clop- pyr, water, fltrd 0.7u GF ug/L (49235)	Triclo- san, water, fltrd, ug/L (62090)	Tri- ethyl citrate water, fltrd, ug/L (62091)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Tri- phenyl phos- phate, water, fltrd, ug/L (62092)	Tris(2- butoxy- ethyl) phos- phate, wat flt ug/L (62093)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	--	<.5	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- WY 11b	07-14-04	--	Mt	<.5	<.5	--	<1	<.5	<.009	<.5	<.5
CT- WY 23	12-30-03	<1.00	--	--	--	--	--	--	<.009	--	--
	07-23-04	--	E.3t	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
	08-11-04	<1.00	--	--	--	--	--	--	<.009	--	--
CT- WY 23b	07-23-04	--	E.1t	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- WY 67	07-30-04	--	<.5	<.5	<.5	--	<1	<.5	--	<.5	<.5
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	<.5	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- WY 68b	06-23-04	--	<.5	M	<.5	<.02	<1	<.5	<.009	<.5	<.5
HARTFORD COUNTY											
CT- PV 86	06-29-04	--	E.2	<.5	E.2	--	<1	<.5	--	E.1	<.5
CT- PV 86b	06-29-04	--	E.3	E.2	<.5	--	<1	<.5	--	<.5	<.5
CT- S 402	06-22-04	--	E3.8	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- S 402b	06-22-04	--	M	E.1	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- S 403	06-22-04	--	--	--	--	<.02	--	--	<.009	--	--
CT- S 403b	06-22-04	--	--	--	--	<.02	--	--	<.009	--	--
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	--	E.2	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- CS 245a	06-17-04	--	<.5	E.2	<.5	--	<1	<.5	<.009	<.5	<.5
CT- SB 112	06-18-04	--	--	--	--	<.02	--	--	<.009	--	--
CT- SB 112B	06-18-04	--	<.5mc	E.1mc	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- SB 118	07-15-04	--	<.5	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5
CT- SB 118b	07-15-04	--	<.5	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Tris(2-chloro-ethyl) phosphate, wat flt ug/L (62087)	Tris(di-chloro-i-Pr) phosphate, wat flt ug/L (62088)	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- WY 11b	07-14-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- WY 23	12-30-03	--	--	<.03b	6.78	<.16	.43	<.06b	E.04b	E.09b	<.03b
	07-23-04	<.5	<.5	<.03b	3.54	<.16	.39	<.06b	E.03n	E.06b	<.03b
	08-11-04	--	--	<.03b	3.34	<.16	.41	<.06b	<.04b	E.08b	<.03b
CT- WY 23b	07-23-04	E.1t	<.5	<.03b	E.08b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- WY 67	07-30-04	<.5	<.5	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	<.5	<.5	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	<.5	<.5	--	--	--	--	--	--	--	--

HARTFORD COUNTY

CT- PV 86	06-29-04	E.1	<.5	<.03b	1.14	<.16	<.04b	<.06b	.14	.11	<.03b
CT- PV 86b	06-29-04	<.5	<.5	<.03b	1.12	<.16	<.04b	<.06b	.13	.10	<.03b
CT- S 402	06-22-04	<.5	<.5	<.03b	.17	<.16	<.04b	<.06b	E.07b	<.02b	<.03b
CT- S 402b	06-22-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- S 403	06-22-04	--	--	<.03b	E.05b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- S 403b	06-22-04	--	--	<.03b	E.04b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.5	<.5	<.03b	E.04b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- CS 245a	06-17-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- SB 112	06-18-04	--	--	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- SB 112B	06-18-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- SB 118	07-15-04	<.5	<.5	<.03b	<.03b	<.16	<.04b	<.06b	<.04b	<.02b	<.03b
CT- SB 118b	07-15-04	<.5	<.5	<.03b	E.01t	<.16	<.04b	<.06b	<.04b	<.02b	<.03b

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- WY 11b	07-14-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- WY 23	12-30-03	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
	07-23-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
	08-11-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- WY 23b	07-23-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	<.1	<.1	<.3	<.18b	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- PV 86b	06-29-04	<.1	<.1	<.3	<.18b	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- S 402	06-22-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- S 402b	06-22-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- S 403	06-22-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- S 403b	06-22-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- CS 245a	06-17-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- SB 112	06-18-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- SB 112B	06-18-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- SB 118	07-15-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b
CT- SB 118b	07-15-04	<.1	<.1	<.3	<.18	<.1b	<.1	<.06b	<.5	<.04b	<.05b

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- WY 11b	07-14-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- WY 23	12-30-03	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
	07-23-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
	08-11-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- WY 23b	07-23-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--

HARTFORD COUNTY

CT- PV 86	06-29-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- PV 86b	06-29-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- S 402	06-22-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- S 402b	06-22-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- S 403	06-22-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- S 403b	06-22-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.1	E.03n	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- CS 245a	06-17-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- SB 112	06-18-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- SB 112B	06-18-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- SB 118	07-15-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc
CT- SB 118b	07-15-04	<.1	<.03b	<.04b	<.03b	<.1b	<.03b	<.05b	<.04b	<.06b	<.50mc

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- WY 11b	07-14-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- WY 23	12-30-03	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
	07-23-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
	08-11-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- WY 23b	07-23-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--

HARTFORD COUNTY

CT- PV 86	06-29-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- PV 86b	06-29-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	.19	<.1	<.3mc
CT- S 402	06-22-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- S 402b	06-22-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	.50	<.1	<.3mc
CT- S 403	06-22-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- S 403b	06-22-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	E.08b	<.1	<.3mc

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- CS 245a	06-17-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	.32	<.1	<.3mc
CT- SB 112	06-18-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc
CT- SB 112B	06-18-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	.21	<.1	<.3mc
CT- SB 118	07-15-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	E.03n	<.1	<.3mc
CT- SB 118b	07-15-04	<.05b	<.08b	<.6	<.1	<.02b	<.03b	<.12	<.03b	<.1	<.3mc

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- WY 11b	07-14-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- WY 23	12-30-03	<.04b	<.03b	<.1	<.2mc	.16	<.05b	<.1	<.05b	<.18mc	<.1b
	07-23-04	<.04b	<.03b	<.1	<.2mc	.16	<.05b	<.1	<.05b	<.18mc	<.1b
	08-11-04	<.04b	<.03b	<.1	<.2mc	.14	<.05b	<.1	<.05b	<.18mc	<.1b
CT- WY 23b	07-23-04	<.04b	<.03b	<.1	<.2mc	E.04b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--

HARTFORD COUNTY

CT- PV 86	06-29-04	<.04b	<.03b	<.1	<.2mc	E.03b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- PV 86b	06-29-04	<.04b	<.03b	<.1	<.2mc	E.03b	<.05b	.4	<.05b	<.18mc	<.1b
CT- S 402	06-22-04	<.04b	<.03b	<.1	<.2mc	.13	<.05b	<.1	<.05b	<.18mc	<.1b
CT- S 402b	06-22-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	.5	<.05b	<.18mc	<.1b
CT- S 403	06-22-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- S 403b	06-22-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	.1	<.05b	<.18mc	<.1b

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- CS 245a	06-17-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	.4	<.05b	<.18mc	<.1b
CT- SB 112	06-18-04	E.03n	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- SB 112B	06-18-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	.4	<.05b	<.18mc	<.1b
CT- SB 118	07-15-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b
CT- SB 118b	07-15-04	<.04b	<.03b	<.1	<.2mc	<.02b	<.05b	<.1	<.05b	<.18mc	<.1b

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- WY 11b	07-14-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- WY 23	12-30-03	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
	07-23-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
	08-11-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- WY 23b	07-23-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	<.1b	<.10	<.2b	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- PV 86b	06-29-04	<.1b	<.10	<.2b	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- S 402	06-22-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- S 402b	06-22-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- S 403	06-22-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- S 403b	06-22-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- CS 245a	06-17-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- SB 112	06-18-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- SB 112B	06-18-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- SB 118	07-15-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b
CT- SB 118b	07-15-04	<.1b	<.10	<.2	<.4.0	<.03b	<.1	<.1	<.35mc	<.4b	<.04b

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- WY 11b	07-14-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- WY 23	12-30-03	<.8	<2.0	<.3	.12	<.06b	<.5	<.7b	<.1	<.04b	<.04b
	07-23-04	<.8	<2.0	<.3	.94	<.06b	<.5	<.7b	<.1	<.04b	<.04b
	08-11-04	<.8	<2.0	<.3	.91	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- WY 23b	07-23-04	<.8	<2.0	<.3	.66	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--

HARTFORD COUNTY

CT- PV 86	06-29-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- PV 86b	06-29-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- S 402	06-22-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- S 402b	06-22-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- S 403	06-22-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- S 403b	06-22-04	<.8	<2.0	<.3	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b

NEW HAVEN COUNTY

CT- CS 245	06-17-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- CS 245a	06-17-04	<.8	<2.0	<.3b	<.08b	E.02t	<.5	<.7b	<.1	<.04b	<.04b
CT- SB 112	06-18-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- SB 112B	06-18-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- SB 118	07-15-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b
CT- SB 118b	07-15-04	<.8	<2.0	<.3b	<.08b	<.06b	<.5	<.7b	<.1	<.04b	<.04b

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	sec-Butylbenzene 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-Butylbenzene water, unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water, unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water, unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.06b	<.04b	<.05b	<.2	<.06b	<.06b	<.06b	<2	<.05b	<.03b
CT- WY 11b	07-14-04	<.06b	<.04b	<.05b	<.2	<.06b	E.02t	<.06b	<2	<.05b	<.03b
CT- WY 23	12-30-03	<.06b	<.04b	E.06b	7.5	<.06b	.54	<.06b	<2	<.05b	<.03b
	07-23-04	<.06b	<.04b	.24	7.8	<.06b	.50	<.06b	<2	<.05b	<.03b
	08-11-04	<.06b	<.04b	.21	8.1	<.06b	.51	<.06b	<2	<.05b	<.03b
CT- WY 23b	07-23-04	<.06b	<.04b	.15	6.0	<.06b	<.06b	<.06b	<2	<.05b	<.03b
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	<.06b	<.04b	<.05b	<.2	<.06b	.56	<.06b	<2	<.05b	<.03b
CT- PV 86b	06-29-04	<.06b	<.04b	<.05b	<.2	<.06b	.54	<.06b	<2	<.05b	<.03b
CT- S 402	06-22-04	<.06b	<.04b	<.05b	.6	<.06b	8.02	<.06b	<2	<.05b	<.03b
CT- S 402b	06-22-04	<.06b	<.04b	<.05b	.4	<.06b	E.02t	<.06b	<2	<.05b	<.03b
CT- S 403	06-22-04	<.06b	<.04b	<.05b	<.2	<.06b	E.05n	<.06b	<2	<.05b	<.03b
CT- S 403b	06-22-04	<.06b	<.04b	<.05b	<.2	<.06b	E.05n	<.06b	<2	<.05b	<.03b
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.06b	<.04b	<.05b	<.2	<.06b	.38	<.06b	<2	<.05b	<.03b
CT- CS 245a	06-17-04	<.06b	<.04b	<.05b	<.2	<.06b	<.06b	<.06b	<2	E.04n	<.03b
CT- SB 112	06-18-04	<.06b	<.04b	<.05b	<.2	<.06b	<.06b	<.06b	<2	<.05b	<.03b
CT- SB 112B	06-18-04	<.06b	<.04b	<.05b	<.2	<.06b	<.06b	<.06b	<2	<.05b	<.03b
CT- SB 118	07-15-04	<.06b	<.04b	<.05b	.7	<.06b	E.02t	<.06b	<2	<.05b	<.03b
CT- SB 118b	07-15-04	<.06b	<.04b	<.05b	<.2	<.06b	<.06b	<.06b	<2	<.05b	<.03b

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)	trans- 1,4-Di- chloro- 2- butene, wat unf 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)	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Di- chlor- vos, water fltrd, ug/L (38775)	Alpha radio- activity water, fltrd, Th-230, pCi/L (04126)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)
LITCHFIELD COUNTY											
CT- WY 11	07-14-04	<.09b	<.7b	<.10	<.04b	<.16	E.02n	<.1b	<.01	--	--
CT- WY 11b	07-14-04	<.09b	<.7b	<.10	<.04b	<.16	E.09b	<.1b	<.01	--	--
CT- WY 23	12-30-03	<.09b	<.7b	<.10	7.89	<.16	E.07b	<.1b	<.01	1.1	-47.50
	07-23-04	<.09b	<.7b	<.10	4.31	<.16	E.09b	<.1b	<.01	--	--
	08-11-04	<.09b	<.7b	<.10	4.47	<.16	E.08b	<.1b	<.01	M	-47.00
CT- WY 23b	07-23-04	<.09b	<.7b	<.10	.29	<.16	E.03b	<.1b	<.01	--	--
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--u	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	<.01	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	<.01	--	--
HARTFORD COUNTY											
CT- PV 86	06-29-04	<.09b	<.7b	<.10	.15	<.16	.15	<.1b	<1.00	--	--
CT- PV 86b	06-29-04	<.09b	<.7b	.22	.14	<.16	.72	<.1b	<1.00	--	--
CT- S 402	06-22-04	<.09b	<.7b	<.10	.36	<.16	E.05b	<.1b	<.01	--	--
CT- S 402b	06-22-04	<.09b	<.7b	.11	<.04b	<.16	.28	<.1b	<.01	--	--
CT- S 403	06-22-04	<.09b	<.7b	<.10	<.04b	<.16	.22	<.1b	<.01	--	--
CT- S 403b	06-22-04	<.09b	<.7b	<.10	<.04b	<.16	.24	<.1b	<.01	--	--
NEW HAVEN COUNTY											
CT- CS 245	06-17-04	<.09b	<.7b	<.10	.20	<.16	.11	<.1b	<.01	--	--
CT- CS 245a	06-17-04	<.09b	<.7b	.18	E.10b	<.16	.11	<.1b	<.01	--	--
CT- SB 112	06-18-04	<.09b	<.7b	<.10	<.04b	<.16	.18	<.1b	<.01	--	--
CT- SB 112B	06-18-04	<.09b	<.7b	.12	<.04b	<.16	.17	<.1b	<.01mc	--	--
CT- SB 118	07-15-04	<.09b	<.7b	<.10	<.04b	E.13n	.17	<.1b	<.01	--	--
CT- SB 118b	07-15-04	<.09b	<.7b	<.10	<.04b	<.16	.12	<.1b	<.01	--	--

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Gross beta radioac water, fltrd, Cs-137, pCi/L (03515)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Ra-226, water, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Rn-222, water, unfltrd pCi/L (82303)	S34/S32 in sulfate water, fltrd, per mil (49932)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)
LITCHFIELD COUNTY									
CT- WY 11	07-14-04	--	--	--	--	--	--	--	--
CT- WY 11b	07-14-04	--	--	--	--	--	--	--	--
CT- WY 23	12-30-03	1.6	-7.87	.08	M	1,140	7.92	20.2	.05
	07-23-04	--	--	--	--	--	--	--	--
	08-11-04	2	-7.73	.13	M	1,250	8.25	19.6	.07
CT- WY 23b	07-23-04	--	--	--	--	--	--	--	--
CT- WY 67	07-30-04	--	--	--	--	--	--	--	--
CT- WY 67b	07-30-04	--	--	--	--	--	--	--	--
CT- WY 68	06-23-04	--	--	--	--	--	--	--	--
CT- WY 68b	06-23-04	--	--	--	--	--	--	--	--
HARTFORD COUNTY									
CT- PV 86	06-29-04	--	--	--	--	--	--	--	--
CT- PV 86b	06-29-04	--	--	--	--	--	--	--	--
CT- S 402	06-22-04	--	--	--	--	--	--	--	--
CT- S 402b	06-22-04	--	--	--	--	--	--	--	--
CT- S 403	06-22-04	--	--	--	--	--	--	--	--
CT- S 403b	06-22-04	--	--	--	--	--	--	--	--
NEW HAVEN COUNTY									
CT- CS 245	06-17-04	--	--	--	--	--	--	--	--
CT- CS 245a	06-17-04	--	--	--	--	--	--	--	--
CT- SB 112	06-18-04	--	--	--	--	--	--	--	--
CT- SB 112B	06-18-04	--	--	--	--	--	--	--	--
CT- SB 118	07-15-04	--	--	--	--	--	--	--	--
CT- SB 118b	07-15-04	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

M-- Presence verified, not quantified

Value qualifier codes used in this table:

b -- Value extrapolated at low end

c -- See laboratory comment

m -- Value is highly variable by this method

n -- Below the LRL and above the LT-MDL

t -- Below the long-term MDL

Null value qualifier codes used in this table:

u -- Unable to determine-matrix interference

GROUND-WATER QUALITY

MULTIPLE NAWQA STATION ANALYSES

Local identifier	Station number	Date- time	Date	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)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)
LITCHFIELD COUNTY									
CT- WY 88	413118073123201	200311240900	11-24-03	45	2.50	250	92	--	--
		200409141230	09-14-04	45	--	250	--	--	--
CT-WY 35	413119073123501	200312011100	12-01-03	22.7	6.92	223.00	8.8	--	--
		200409161100	09-16-04	22.7	14.27	223.00	--	.014	.012
CT- WY 89	413121073120701	200408181030	08-18-04	36.68	25.55	263.20	23	--	--
CT- WY 72	413122073122401	200312161200	12-16-03	59.8	4.12	230	14	--	--
CT- WY 73	413122073122402	200312171200	12-17-03	35.0	4.41	230	1.1	--	--
CT- WY 74	413122073122403	200311061130	11-06-03	14.4	4.26	230	.3	--	--
		200407281030	07-28-04	14.4	5.81	230	.7	.009	.007
CT- WY 100	413122073122501	200408031115	08-03-04	44	10.18	219.80	8.6	.004	<.004
		200408060940	08-06-04	44	10.19	219.80	--	--	--
CT- WY 101	413122073122502	200408041015	08-04-04	52	15.84	219.67	2.7	.006	.004
		200408061030	08-06-04	52	15.85	219.67	--	--	--
CT- WY 102	413122073122503	200408051130	08-05-04	14.23	10.17	219.70	30	.055	.043
CT- WY 86	413126073115001	200312041100	12-04-03	101.9	.00	270	3.9	--	--
		200409301230	09-30-04	101.9	--	270	--	--	--
CT- WY 77	413126073121101	200312091100	12-09-03	60	17.76	240	140	--	--
CT- WY 78	413126073121102	200311201100	11-20-03	16.2	9.23	240	3.2	--	--
		200407281300	07-28-04	16.2	11.40	240	13	.069	.052
CT- WY 75	413127073122401	200311131000	11-13-03	55	8.71	230	11	--	--
CT- WY 76	413127073122402	200311121030	11-12-03	14	9.21	230	1.4	--	--
		200407261130	07-26-04	14	4.75	230	8.6	.009	.007
CT- WY 84	413128073121001	200311181000	11-18-03	73.2	17.82	240	10	--	--
		200311191000	11-19-03	73.2	--	240	--	--	--
CT- WY 85	413128073121002	200311190930	11-19-03	21.6	12.79	240	14	--	--
		200408100945	08-10-04	21.6	14.50	240	120	.123	.094
CT- WY 69	413129073122001	200312101200	12-10-03	67.7	14.24	250	3.1	--	--
CT- WY 70	413129073122002	200312291000	12-29-03	44.20	9.08	250	.3	--	--
CT- WY 71	413129073122003	200312221200	12-22-03	17.55	8.77	250	.6	--	--
		200407271100	07-27-04	17.55	14.03	250	3.5	.022	.015
CT- WY 80	413130073120401	200311051000	11-05-03	13.4	7.50	250	54	--	--
		200408301115	08-30-04	13.4	10.82	250	50	.019	.014
CT- WY 98	413130073120501	200408251300	08-25-04	21	12.00	252.23	5.2	.050	.035
		200408260930	08-26-04	21	--	252.23	--	--	--
CT- WY 95	413132073121901	200408021200	08-02-04	13.25	4.96	228.91	6.3	.016	.011
CT- WY 93	413134073120401	200408241100	08-24-04	25.12	15.23	251.48	7.5	.012	.010
		200408250900	08-25-04	25.12	--	251.48	--	--	--
CT- WY 91	413135073122401	200408191000	08-19-04	57	6.33	229.50	2.3	.004	<.004
CT- WY 92	413135073122402	200408231015	08-23-04	14	5.60	229.45	1.9	.004	<.004
CT- WY 83	413137073122701	200311040900	11-04-03	27.9	19.22	250	40	--	--
		200408311000	08-31-04	27.9	20.95	250	14	.047	.039
CT- WY 79	413138073121201	200311041300	11-04-03	14	4.50	240	1.8	--	--
		200407291015	07-29-04	14	6.33	240	5.8	.008	.005
CT- WY 81	413144073115701	200312021100	12-02-03	21.3	11.23	260	20	--	--
		200407291330	07-29-04	21.3	19.95	260	3.6	.009	.007
CT- WY 82	413144073115702	200312081100	12-08-03	55.5	18.82	260	.7	--	--

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	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)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	758	--	--	7.2	279	5.5	10.5	32.5	6.99	2.19
	09-14-04	768	4.6	43	7.0	259	25.0	12.0	--	--	--
CT- WY 35	12-01-03	751	--	--	6.0	141	10.0	12.5	9.93	2.59	1.67
	09-16-04	--	1.4	14	6.2	119	--	15.0	8.64	2.08	1.61
CT- WY 89	08-18-04	759	7.9	86	7.3	572	28.0	19.0	62.3	15.3	3.71
CT- WY 72	12-16-03	760	--	--	6.9	291	5.0	10.5	35.0	8.50	1.57
CT- WY 73	12-17-03	749	--	--	6.1	297	10.0	11.0	22.8	6.61	1.50
CT- WY 74	11-06-03	760	--	--	6.2	344	11.0	12.0	26.6	7.82	1.89
	07-28-04	757	5.9	56	6.2	385	20.0	13.0	30.9	8.02	1.82
CT- WY 100	08-03-04	754	4.0	39	6.2	249	29.0	15.0	20.9	5.77	1.55
	08-06-04	753	--	--	--	--	26.0	11.0	--	--	--
CT- WY 101	08-04-04	751	4.0	39	6.5	300	27.0	14.0	25.4	6.15	2.40
	08-06-04	753	--	--	--	--	27.0	11.5	--	--	--
CT- WY 102	08-05-04	750	2.3	22	6.2	252	27.0	13.5	16.5	4.45	1.13
CT- WY 86	12-04-03	762	--	--	7.5	224	1.0	8.5	35.1	.781	.41
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	762	--	--	6.5	172	.0	8.5	18.7	4.76	1.44
CT- WY 78	11-20-03	745	3.2	46	6.2	104	14.0	10.5	6.62	2.20	1.10
	07-28-04	757	.4	4	6.3	128	27.0	18.0	7.29	2.35	1.40
CT- WY 75	11-13-03	739	--	--	6.4	345	10.0	11.5	35.6	6.43	1.60
CT- WY 76	11-12-03	754	--	--	6.2	265	8.0	13.0	19.5	5.80	2.20
	07-26-04	761	2.0	18	6.1	274	26.5	12.0	22.7	6.24	1.84
CT- WY 84	11-18-03	765	.2	5	6.6	220	8.0	13.0	24.2	5.83	1.32
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	754	.0	8	5.3	1,450	13.0	16.0	128	35.3	9.56
	08-10-04	758	.7	7	6.0	906	27.0	17.0	67.7	15.3	16.7
CT- WY 69	12-10-03	759	--	--	6.5	276	9.0	11.5	31.1	7.44	1.78
CT- WY 70	12-29-03	759	5.1	50	6.1	218	.0	11.0	17.3	5.64	1.79
CT- WY 71	12-22-03	757	--	--	6.1	400	9.0	11.0	22.1	6.04	2.28
	07-27-04	759	.8	8	6.2	511	24.0	13.5	35.9	9.25	2.48
CT- WY 80	11-05-03	759	2.0	33	5.9	150	12.0	13.0	12.7	4.71	1.07
	08-30-04	757	1.2	15	6.1	141	28.0	17.0	12.3	3.85	1.06
CT- WY 98	08-25-04	764	2.9	29	6.5	242	28.0	16.0	22.7	7.12	1.59
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	757	.6	6	6.0	417	28.5	16.0	27.3	7.06	2.69
CT- WY 93	08-24-04	760	2.5	28	7.5	258	28.0	18.5	33.6	7.84	1.59
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	755	5.2	48	6.6	222	28.0	11.5	26.7	4.88	1.60
CT- WY 92	08-23-04	757	3.3	31	6.3	271	27.0	13.0	25.3	4.84	2.08
CT- WY 83	11-04-03	761	.5	34	6.5	329	12.0	12.5	30.2	8.25	1.40
	08-31-04	755	.8	8	6.5	328	28.0	13.5	28.4	7.40	1.28
CT- WY 79	11-04-03	761	--	--	6.2	347	13.0	14.0	25.3	5.53	1.89
	07-29-04	759	1.8	17	6.1	366	28.0	14.5	27.5	5.52	1.66
CT- WY 81	12-02-03	757	--	--	6.2	334	2.0	9.0	22.0	3.36	1.29
	07-29-04	759	8.0	87	6.1	362	27.0	20.0	24.6	3.52	1.28
CT- WY 82	12-08-03	757	--	--	6.2	309	2.0	9.0	24.4	3.75	1.58

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	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)	Bromide water, fltrd, mg/L (71870)	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)	Sulfide water, fltrd, field, mg/L (99118)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	8.75	82	101	.0	.02	25.3	<.2	15.1	12.9	.460
	09-14-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 35	12-01-03	7.03	27	33	.0	.07	15.1	<.2	13.0	12.7	.019
	09-16-04	6.50	26	31	.0	.07	8.79	<.2	13.3	11.7	--
CT- WY 89	08-18-04	15.9	117	141	.0	.05	76.9	<.2	19.6	9.7	--
CT- WY 72	12-16-03	11.1	69	84	.0	.03	29.2	<.2	19.3	25.8	.068
CT- WY 73	12-17-03	26.8	65	79	.0	.03	36.8	<.2	13.7	12.4	.000
CT- WY 74	11-06-03	31.9	90	110	.0	.04	42.0	<.2	12.4	13.2	.000
	07-28-04	29.6	96	116	.0	.05	50.3	<.2	11.4	10.7	--
CT- WY 100	08-03-04	16.5	50	61	.0	.05	28.0	<.2	16.1	15.7	--
	08-06-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 101	08-04-04	20.7	75	91	.0	.04	31.7	<.2	15.8	15.8	--
	08-06-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 102	08-05-04	24.3	52	63	.0	.03	27.2	<.2	13.9	16.2	--
CT- WY 86	12-04-03	9.84	77	94	.0	.03	5.41	.3	21.1	24.7	.003
	09-30-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 77	12-09-03	9.99	44	54	.0	.03	19.4	<.2	16.1	12.4	.186
CT- WY 78	11-20-03	8.95	18	22	.0	E.01	12.6	<.2	10.9	8.1	.007
	07-28-04	10.8	24	30	.0	<.02	17.2	<.2	12.0	7.5	.014
CT- WY 75	11-13-03	19.7	60	73	.0	.03	43.3	<.2	18.6	29.4	.027
CT- WY 76	11-12-03	21.8	50	61	.0	.03	32.4	<.2	16.5	11.5	.001
	07-26-04	20.6	50	61	.0	.04	33.8	<.2	16.3	12.6	--
CT- WY 84	11-18-03	9.50	67	82	.0	.03	25.0	<.2	20.4	10.8	.024
	11-19-03	--	--	--	.0	--	--	--	--	--	--
CT- WY 85	11-19-03	65.3	73	89	.0	.17	400	<.2	16.7	8.7	.007
	08-10-04	44.7	53	65	.0	.07	200	<.2	11.7	8.6	.260
CT- WY 69	12-10-03	10.0	67	73	.0	.03	19.6	<.2	17.2	33.0	.014
CT- WY 70	12-29-03	15.2	48	59	.0	.03	21.9	<.2	15.5	11.1	.004
CT- WY 71	12-22-03	49.6	84	103	.0	.10	54.8	<.2	12.5	16.0	--
	07-27-04	51.8	131	160	.0	.08	67.6	<.2	11.9	12.5	.003
CT- WY 80	11-05-03	8.68	44	54	.0	.03	10.7	<.2	19.8	9.6	.290
	08-30-04	8.29	34	42	.0	<.02	14.8	<.2	18.9	8.0	--
CT- WY 98	08-25-04	14.4	82	99	.0	E.01	16.7	<.2	17.4	7.0	--
	08-26-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 95	08-02-04	40.3	76	90	.0	.08	71.5	<.2	15.9	13.8	.011
CT- WY 93	08-24-04	8.25	93	112	.0	.03	12.6	<.2	15.0	13.3	--
	08-25-04	--	--	--	.0	--	--	--	--	--	--
CT- WY 91	08-19-04	7.28	54	66	.0	.02	18.6	<.2	18.6	14.5	--
CT- WY 92	08-23-04	16.1	42	51	.0	.03	39.2	<.2	15.8	18.2	--
CT- WY 83	11-04-03	8.67	133	162	.0	.05	25.2	<.2	32.1	9.2	.080
	08-31-04	8.22	119	144	.0	.05	24.2	<.2	31.6	8.3	--
CT- WY 79	11-04-03	33.0	71	87	.0	.05	44.2	<.2	16.2	16.5	.097
	07-29-04	35.1	73	89	.0	.06	45.5	<.2	15.3	19.1	--
CT- WY 81	12-02-03	32.9	40	49	.0	.04	55.2	<.2	13.8	24.3	.032
	07-29-04	30.8	29	36	.0	.03	72.4	<.2	12.9	15.3	--
CT- WY 82	12-08-03	26.1	36	43	.0	.03	51.9	<.2	14.8	21.6	.003

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Residue on evap. at 180degC wat flt mg/L (70300)	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- phos- phate, water, fltrd, mg/L as P (00671)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsen- ate, water, fltrd, ug/L as As (62453)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	152	<.04	1.34	<.008	.006	1.39	.6	5	<.20	<1.2
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	75	E.03	.26	<.008	E.009	.32	.5	E1	<.20	--
	09-16-04	74	.05	.13	<.008	.016	.22	.5	--	--	--
CT- WY 89	08-18-04	311	.06	6.73	.009	.016	6.77	--	5	E.12	.6
CT- WY 72	12-16-03	168	<.04	1.24	<.008	<.006	1.29	E.3	<2	<.20	<1.2
CT- WY 73	12-17-03	176	<.04	2.10	<.008	E.005	2.16	.6	<2	<.20	<1.2
CT- WY 74	11-06-03	205	<.04	1.91	<.008	.007	2.04	.7	<2	<.20	--
	07-28-04	201	<.04	1.64	<.008	.026	1.66	.7	--	--	--
CT- WY 100	08-03-04	146	<.04	2.31	<.008	.015	2.31	.4	<2	<.20	<.3
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	174	<.04	1.61	<.008	--	1.62	.5	<2	<.20	.9
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	150	.05	1.80	<.008	.014	1.93	1.0	5	<.20	--
CT- WY 86	12-04-03	143	<.04	.16	<.008	E.004	.14	.4	5	<.20	1.4
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	100	<.04	.34	<.008	E.003	.36	.5	40	<.20	<1.2
CT- WY 78	11-20-03	68	<.04	.10	<.008	E.005	.21	4.7	10	<.20	<1.2
	07-28-04	82	<.04	<.06	<.008	.025	.09	1.8	--	--	--
CT- WY 75	11-13-03	204	<.04	1.47	<.008	<.006	1.60	--	<2	<.20	--
CT- WY 76	11-12-03	150	<.04	3.84	<.008	.007	3.81	--	<2	<.20	--
	07-26-04	165	<.04	2.55	<.008	.022	2.59	.6	--	--	--
CT- WY 84	11-18-03	132	--	--	--	--	--	.5	<2	<.20	--
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	841	--	--	--	--	--	7.8	11	<.20	--
	08-10-04	628	1.14	13.8	<.008	.013	15.5	89.2	--	--	--
CT- WY 69	12-10-03	164	<.04	1.48	<.008	.006	1.41	.4	<2	<.20	<1.2
CT- WY 70	12-29-03	118	<.04	3.21	<.008	E.005	3.52	.4	<2	<.20	<1.2
CT- WY 71	12-22-03	215	<.04	1.10	<.008	E.004	1.14	--	<2	<.20	<1.2
	07-27-04	273	<.04	.88	<.008	.017	.90	1.0	--	--	--
CT- WY 80	11-05-03	105	<.04	<.06	<.008	.007	.05	1.0	2	<.20	--
	08-30-04	95	<.04	<.06	<.008	.010	.03	.9	--	--	--
CT- WY 98	08-25-04	144	E.04	<.06	<.008	.014	.17	2.2	2	E.11	.8
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	237	E.03	.26	<.008	.018	.32	1.8	--	--	<.3
CT- WY 93	08-24-04	153	E.04	.25	.010	.022	.35	.5	5	<.20	.7
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	131	<.04	1.60	<.008	.011	1.62	.4	<2	<.20	<.3
CT- WY 92	08-23-04	162	<.04	1.15	<.008	.017	1.20	.4	<2	<.20	.8
CT- WY 83	11-04-03	204	.20	<.06	E.006	.006	.28	1.6	<2	<.20	--
	08-31-04	198	.21	<.06	<.008	.158	.25	2.1	--	--	2.3
CT- WY 79	11-04-03	195	<.04	3.71	<.008	E.003	3.77	.9	<2	<.20	--
	07-29-04	209	<.04	3.02	<.008	.018	3.03	.5	--	--	--
CT- WY 81	12-02-03	190	<.04	1.41	<.008	<.006	1.50	.7	M	<.20	<1.2
	07-29-04	228	<.04	1.32	<.008	.013	1.36	.6	--	--	--
CT- WY 82	12-08-03	164	<.04	1.10	<.008	<.006	1.07	.6	<2	<.20	<1.2

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Arsenic water, fltrd, ug/L (01000)	Arsen- ite, water, fltrd, ug/L as As (62452)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Hydro- gen sulfide water unfltrd mg/L (71875)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	.4	<1.0	10	<.06	27	E.02	<.8	.443	E.3	1.0
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	2.2	--	41	<.06	19	E.04	E.6	2.37	E.2	.0
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	<.2	<.3	17	<.06	51	.12	E.7	.665	1.9	--
CT- WY 72	12-16-03	<.2	<1.0	7	<.06	23	<.04	<.8	.125	E.2	.0
CT- WY 73	12-17-03	<.2	<1.0	23	<.06	102	<.04	<.8	.388	.5	.0
CT- WY 74	11-06-03	E.1	--	40	<.06	124	<.04	<.8	.403	.6	.0
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.2	<.3	15	<.06	37	<.04	E.5	.282	E.4	--
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.2	<.3	16	<.06	119	<.04	<.8	.397	2.5	--
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	E.1	--	12	<.06	25	<.04	<.8	.607	1.3	--
CT- WY 86	12-04-03	1.8	<1.0	38	<.06	27	E.03	<.8	.146	7.5	.0
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.2	<1.0	10	<.06	18	<.04	<.8	.189	E.3	1.0
CT- WY 78	11-20-03	<.2	<1.0	10	<.06	13	<.04	1.1	.089	3.1	.0
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	E.1	--	11	<.06	21	<.04	E.4	.093	E.3	.0
CT- WY 76	11-12-03	<.2	--	24	<.06	76	E.03	E.6	.453	.5	.0
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.2	--	11	<.06	8	.05	<.8	.564	2.0	.0
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.2	--	345	E.06	34	2.03	1.8	30.4	20.4	.0
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.2	<1.0	15	<.06	15	<.04	<.8	.113	E.3	.0
CT- WY 70	12-29-03	<.2	<1.0	18	<.06	34	<.04	<.8	.186	.6	.0
CT- WY 71	12-22-03	<.2	<1.0	47	<.06	32	<.04	<.8	.258	.7	.0
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	<.2	--	16	<.06	11	E.02	E.6	.308	.4	.0
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	E.2	E.2	11	<.06	26	.09	<.8	.340	2.4	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	<.3	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	E.1	<.3	10	<.06	13	.18	E.4	.175	1.6	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.2	<.3	11	<.06	33	<.04	<.8	.078	E.3	--
CT- WY 92	08-23-04	<.2	<.3	25	<.06	23	<.04	<.8	.106	.5	--
CT- WY 83	11-04-03	5.8	--	53	<.06	26	E.02	E.5	3.29	E.4	.0
	08-31-04	--	4.7	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	<.2	--	34	<.06	22	E.02	<.8	.829	.4	.0
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.2	<1.0	28	<.06	25	<.04	E.6	.138	2.4	.0
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.2	<1.0	23	<.06	18	E.02	<.8	.178	.8	.0

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Iron- (II), water, unfltrd ug/L (99032)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	M	8	<.08	4.1	728	7.9	1.85	<.4	<.2	75.9
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	2	5,130	<.08	1.5	536	.4	1.38	<.4	<.2	49.9
	09-16-04	--	3,520	--	--	536	--	--	--	--	--
CT- WY 89	08-18-04	--	29	.08	9.5	16.2	15.2	3.88	<.4	<.2	141
CT- WY 72	12-16-03	M	<6	<.08	2.4	2.7	<.4	.53	<.4	<.2	90.7
CT- WY 73	12-17-03	.0	E4	<.08	1.3	1.8	<.4	1.07	<.4	<.2	130
CT- WY 74	11-06-03	.0	E4	<.08	.7	3.4	<.4	1.26	<.4	<.2	140
	07-28-04	.0	11	--	--	E.6	--	--	--	--	--
CT- WY 100	08-03-04	.0	<6	<.08	1.1	1.2	<.4	.85	<.4	<.2	90.3
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	.0	<6	.10	3.0	1.7	E.3	1.60	E.3	<.2	98.8
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	M	44	<.08	E.4	237	.5	.61	<.4	<.2	66.8
CT- WY 86	12-04-03	.0	E5	E.07	13.8	15.6	2.0	1.37	<.4	<.2	227
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	.0	52	<.08	1.2	161	E.3	.77	<.4	<.2	69.5
CT- WY 78	11-20-03	M	14	.22	<.6	6.5	E.3	1.23	<.4	<.2	37.4
	07-28-04	M	17	--	--	8.0	--	--	--	--	--
CT- WY 75	11-13-03	M	<6	<.08	2.4	.6	E.3	.67	E.3	<.2	136
CT- WY 76	11-12-03	.0	E6	.19	1.1	17.1	.5	1.39	<.4	<.2	95.8
	07-26-04	M	E4	--	--	2.8	--	--	--	--	--
CT- WY 84	11-18-03	M	48	<.08	1.0	320	.8	1.51	<.4	<.2	64.8
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	M	3,120	1.58	1.8	10,400	.5	50.0	E.2	<.2	718
	08-10-04	M	602	--	--	7,270	--	--	--	--	--
CT- WY 69	12-10-03	.0	<6	<.08	.8	1.2	.4	.69	<.4	<.2	117
CT- WY 70	12-29-03	.0	E4	<.08	.6	1.1	E.2	.77	E.2	<.2	92.8
CT- WY 71	12-22-03	--	E6	<.08	<.6	1.6	<.4	.94	<.4	<.2	137
	07-27-04	.0	7	--	--	1.8	--	--	--	--	--
CT- WY 80	11-05-03	M	9	<.08	1.0	173	E.3	1.22	<.4	<.2	31.7
	08-30-04	M	<6	--	--	137	--	--	--	--	--
CT- WY 98	08-25-04	--	E3	.20	E.5	866	12.1	1.40	<.4	<.2	57.2
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	.0	9	--	--	486	--	--	--	--	--
CT- WY 93	08-24-04	M	<6	E.04	1.4	51.9	53.2	1.33	<.4	<.2	69.0
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	.0	<6	<.08	4.0	15.9	E.3	.45	<.4	<.2	96.9
CT- WY 92	08-23-04	.0	<6	E.04	3.1	.7	<.4	.43	<.4	<.2	105
CT- WY 83	11-04-03	2	26,500	<.08	6.9	2,130	E.4	1.70	<.4	<.2	57.1
	08-31-04	--	22,800	--	--	1,770	--	--	--	--	--
CT- WY 79	11-04-03	M	E5	.13	1.9	3.9	<.4	1.08	<.4	<.2	148
	07-29-04	M	9	--	--	1.6	--	--	--	--	--
CT- WY 81	12-02-03	M	12	<.08	2.0	7.2	.4	2.44	<.4	<.2	145
	07-29-04	.0	7	--	--	5.5	--	--	--	--	--
CT- WY 82	12-08-03	M	<6	<.08	2.7	42.6	<.4	.97	<.4	<.2	140

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Thall- ium, water, fltrd, ug/L (01057)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1-Naph- thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2-[(2- ethyl- -Ph)- -amino] propan- 1-ol, ug/L (61615)	2Chloro -2,6'- diethyl acet- anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, ug/L (61620)	3,4-Di- chloro- aniline water fltrd, ug/L (61625)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.04	.7	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	<.04	<.1	1.4	--	--	--	--	--	--	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	<.04	1.0	3.0	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.04	1.1	E.3	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 73	12-17-03	<.04	E.1	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 74	11-06-03	<.04	.5	.8	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.04	E.1	E.5	<.09	<.006	--	<.005	<.006	<.004	<.004
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.04	.6	<.6	<.09	<.006	--	<.005	<.006	<.004	<.004
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.04	1.3	<.6	<.09	<.006	--	<.005	<.006	<.004	<.004
CT- WY 86	12-04-03	<.04	E.1	.9	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.04	1.0	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 78	11-20-03	<.04	<.1	.7	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.04	1.3	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 76	11-12-03	<.04	.4	E.5	<.09	<.006	--	<.005	<.006	<.004	<.004
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.04	1.4	E.4	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	.08	.4	2.6	<.09	<.006	<.1	<.005	<.006	<.004	<.065
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.04	1.0	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 70	12-29-03	<.04	E.1	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
CT- WY 71	12-22-03	<.04	.2	E.4	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	<.04	.6	1.1	--	--	--	--	--	--	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	<.04	1.1	9.1	--	--	--	--	--	--	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	<.04	1.8	E.5	--	--	--	--	--	--	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	E.04	.8	<.6	--	--	--	--	--	--	--
CT- WY 92	08-23-04	<.04	.2	<.6	--	--	--	--	--	--	--
CT- WY 83	11-04-03	<.04	.2	.9	--	--	--	--	--	--	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	<.04	.4	E.5	--	--	--	--	--	--	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.04	.4	<.6	<.09	<.006	<.1	<.005	<.006	<.004	<.004
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.04	.4	E.3	<.09	<.006	<.1	<.005	<.006	<.004	<.004

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	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)	Ben- flur- alin, water, fltrd, 0.7u GF ug/L (82673)	Car- baryl, water, fltrd, 0.7u GF ug/L (82680)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.006	<.006	<.005	E.005	<.02	<.050	<.010	<.041	<.06	<.005
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	--	--	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
CT- WY 73	12-17-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
CT- WY 74	11-06-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.006	<.006	<.005	<.007	<.07	<.050	<.010	<.041	<.06	<.005
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.006	<.006	<.005	<.007	<.07	<.050	<.010	<.041	<.06	<.005
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.006	<.006	<.005	<.007	<.07	<.050	<.010	<.041	<.06	<.005
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
CT- WY 78	11-20-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.006	<.006	<.005	<.007	<.03	<.050	<.010	<.041	<.06	<.005
CT- WY 76	11-12-03	<.006	<.006	<.005	<.007	<.03	<.050	<.010	<.041	<.06	<.005
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	E.009	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
CT- WY 70	12-29-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
CT- WY 71	12-22-03	<.006	<.006	<.005	<.007	<.03	<.050	<.010	<.041	<.06	<.005
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	--	--	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	--	--	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	--	--	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	--	--	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	--	--	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	--	--	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.006	<.006	<.005	<.007	<.02	<.050	<.010	<.041	<.06	<.005

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyflu- thrin, water, fltrd, ug/L (61585)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	--	--	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
CT- WY 73	12-17-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
CT- WY 74	11-06-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
CT- WY 78	11-20-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
CT- WY 76	11-12-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
CT- WY 70	12-29-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
CT- WY 71	12-22-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	--	--	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	--	--	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	--	--	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	--	--	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	--	--	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	--	--	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.006	<.008	<.009	<.003	<.012	<.01	<.005	--	<.009	<.006

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	--	--	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 73	12-17-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 74	11-06-03	<.03	<.004	<.008	<.03	<.03	<.029	E.003	<.024	E.006	<.002
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.0020	<.004	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.0020	<.004	<.049	<.04	<.03	<.029	E.007	<.024	E.010	<.003
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.0020	<.004	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 78	11-20-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 76	11-12-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 70	12-29-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
CT- WY 71	12-22-03	<.03	<.004	<.008	--	<.03	<.029	<.013	<.024	<.016	<.002
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	--	--	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	--	--	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	--	--	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	--	--	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	--	--	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	--	--	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.03	<.004	<.008	<.03	<.03	<.029	<.013	<.024	<.016	<.002

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	Methyl acetate water unfltrd ug/L (77032)	Methyl para- oxon, water, fltrd, ug/L (61664)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	--	<.4	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 73	12-17-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 74	11-06-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.4	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.4	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.4	<.03
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 78	11-20-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 76	11-12-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 70	12-29-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
CT- WY 71	12-22-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	--	<.4	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	--	<.4	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	--	<.4	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	--	<.4	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	--	<.4	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	--	<.4	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	--	<.4	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.4	<.03

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Methyl para- thion, water, fltrd 0.7u GF (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Myclo- butanil water, fltrd, ug/L (61599)	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome- ton, water, fltrd, ug/L (04037)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	--	--	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01
CT- WY 73	12-17-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01
CT- WY 74	11-06-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.015	<.013	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.015	<.013	<.006	<.008	<.022	<.10	<.011	<.05	<.008	.01
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
CT- WY 78	11-20-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	<.008	<.01
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
CT- WY 76	11-12-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	<.008	.01
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	<.008	<.01
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	<.008	.01
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	<.01
CT- WY 70	12-29-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01
CT- WY 71	12-22-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	<.008	.01
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	--	--	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	--	--	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	--	--	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	--	--	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	--	--	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	--	--	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	--	--	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	.01
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.015	<.013	<.006	<.008	<.022	<.10	<.011	--	--	.01

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Promethy- n, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	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)	tert- Amyl alcohol water unfltrd ug/L (77073)	tert- Butyl- alcohol water unfltrd ug/L (77035)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.005	<.004	E.003	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	09-14-04	--	--	--	--	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	--	--	<.4	<1.00	--
	09-16-04	--	--	--	--	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.005	<.004	.009	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 73	12-17-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 74	11-06-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 100	08-03-04	<.005	<.004	.008	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.005	<.004	.012	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.005	<.004	E.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 78	11-20-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	--	<.009
	07-28-04	--	--	--	--	--	--	--	--	--	--
CT- WY 75	11-13-03	<.005	<.004	.018	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 76	11-12-03	<.005	<.004	E.005	<.02	<.07	<.02	<.01	<.4	<1.48	<.009
	07-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 84	11-18-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	08-10-04	--	--	--	--	--	--	--	--	--	--
CT- WY 69	12-10-03	<.005	<.004	E.003	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 70	12-29-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
CT- WY 71	12-22-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	07-27-04	--	--	--	--	--	--	--	--	--	--
CT- WY 80	11-05-03	--	--	--	--	--	--	--	<.4	<1.00	--
	08-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	--	--	--	--	<.4	<1.00	--
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	--	--	--	--	--	--	--	--	--	--
CT- WY 93	08-24-04	--	--	--	--	--	--	--	<.4	<1.00	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	--	--	--	--	--	--	--	<.4	<1.00	--
CT- WY 92	08-23-04	--	--	--	--	--	--	--	<.4	<1.00	--
CT- WY 83	11-04-03	--	--	--	--	--	--	--	<.4	<1.00	--
	08-31-04	--	--	--	--	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	--	--	<.4	<1.00	--
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 81	12-02-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009
	07-29-04	--	--	--	--	--	--	--	--	--	--
CT- WY 82	12-08-03	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.4	<1.00	<.009

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.03	2.59	<.16	.22	<.06	E.07	E.06	<.03	<.1	<.1
	09-14-04	<.03	1.93	<.16	E.16	<.06	E.03	E.03	<.03	<.1	<.1
CT- WY 35	12-01-03	<.03	.60	<.16	E.05	<.06	E.06	<.02	<.03	<.1	<.1
	09-16-04	<.03	.13	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 73	12-17-03	<.03	E.04	<.16	<.04	<.06	E.05	<.02	<.03	<.1	<.1
CT- WY 74	11-06-03	<.03	E.03	<.16	<.04	<.06	E.06	<.02	<.03	<.1	<.1
	07-28-04	<.03	E.02	<.16	<.04	<.06	E.09	<.02	<.03	<.1	<.1
CT- WY 100	08-03-04	<.03	19.2	<.16	2.18	<.06	E.08	.24	<.03	<.1	<.1
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.03	E.05	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.03	22.5	<.16	2.71	<.06	.16	.35	<.03	<.1	<.1
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 78	11-20-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-28-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 75	11-13-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 76	11-12-03	<.03	18.3	<.16	.87	<.06	E.06	.25	<.03	<.1	<.1
	07-26-04	<.03	6.24	<.16	.66	<.06	E.04	E.07	<.03	<.1	<.1
CT- WY 84	11-18-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.03	<.03	<.16	<.04	<.06	.12	<.02	<.03	<.1	<.1
	08-10-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 69	12-10-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 70	12-29-03	<.03	E.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 71	12-22-03	<.03	E.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-27-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 80	11-05-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	08-30-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 98	08-25-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.03	E.04	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 93	08-24-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 92	08-23-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 83	11-04-03	<.03	<.03	<.16	<.04	<.06	.21	<.02	<.03	<.1	<.1
	08-31-04	<.03	<.03	<.16	<.04	<.06	.16	<.02	<.03	<.1	<.1
CT- WY 79	11-04-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-29-04	<.03	<.03	<.16	<.04	<.06	E.04	<.02	<.03	<.1	<.1
CT- WY 81	12-02-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
	07-29-04	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1
CT- WY 82	12-08-03	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	09-14-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 35	12-01-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	09-16-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 73	12-17-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 74	11-06-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-28-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 100	08-03-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 78	11-20-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-28-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 75	11-13-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 76	11-12-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-26-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 84	11-18-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-10-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 69	12-10-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 70	12-29-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 71	12-22-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-27-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 80	11-05-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-30-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 98	08-25-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.3	<.18	<.1	<.1	E.04	<.5	<.04	<.05	<.1	<.03
CT- WY 93	08-24-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 92	08-23-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 83	11-04-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	08-31-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 79	11-04-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-29-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 81	12-02-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
	07-29-04	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
CT- WY 82	12-08-03	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	09-14-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 35	12-01-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	09-16-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 73	12-17-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 74	11-06-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-28-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 100	08-03-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 78	11-20-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-28-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 75	11-13-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 76	11-12-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-26-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 84	11-18-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.04	<.03	<.1	.31	<.05	<.04	E.02	<.50	<.05	<.08
	08-10-04	<.04	<.03	<.1	E.06	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 69	12-10-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 70	12-29-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 71	12-22-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-27-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 80	11-05-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-30-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 98	08-25-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 93	08-24-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 92	08-23-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 83	11-04-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	08-31-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 79	11-04-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-29-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 81	12-02-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
	07-29-04	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08
CT- WY 82	12-08-03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Acetone water unfltrd ug/L (81552)	Acrylo- nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<6	<1	E.02	<.03	<.12	<.03	<.1	<.3	E.08	<.03
	09-14-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 35	12-01-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	E.04	<.03
	09-16-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 73	12-17-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 74	11-06-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-28-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 100	08-03-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 78	11-20-03	--	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-28-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 75	11-13-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 76	11-12-03	<6	<1	E.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-26-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 84	11-18-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<6	<1	E.03	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-10-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 69	12-10-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 70	12-29-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 71	12-22-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-27-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 80	11-05-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-30-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 98	08-25-04	<6	<4	.16	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<6	<1	.94	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 93	08-24-04	<6	<1	E.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 92	08-23-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 83	11-04-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	08-31-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 79	11-04-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-29-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 81	12-02-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
	07-29-04	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03
CT- WY 82	12-08-03	<6	<1	<.02	<.03	<.12	<.03	<.1	<.3	<.04	<.03

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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 unf 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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	09-14-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 35	12-01-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	09-16-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 73	12-17-03	<.1	<.2	E.06	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 74	11-06-03	<.1	<.2	E.10	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-28-04	<.1	<.2	E.04	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 100	08-03-04	<.1	<.2	.57	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.1	<.2	.13	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.1	<.2	.53	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 78	11-20-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-28-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 75	11-13-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 76	11-12-03	<.1	<.2	.89	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-26-04	<.1	<.2	.45	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 84	11-18-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.1	<.2	.14	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-10-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 69	12-10-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 70	12-29-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 71	12-22-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-27-04	E.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 80	11-05-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-30-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 98	08-25-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.1	<.2	2.19	<.05	<.1	<.05	<.18	<.1	<.1	.41
CT- WY 93	08-24-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 92	08-23-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 83	11-04-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	08-31-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 79	11-04-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-29-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 81	12-02-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
	07-29-04	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10
CT- WY 82	12-08-03	<.1	<.2	<.02	<.05	<.1	<.05	<.18	<.1	<.1	<.10

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Ethyl methac- rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl- benzene water unfltrd ug/L (34371)	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 acryl- ate, water, unfltrd ug/L (49991)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	09-14-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 35	12-01-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	09-16-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 73	12-17-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 74	11-06-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	07-28-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 100	08-03-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 78	11-20-03	<.2	--	<.03	<.1	<.1	<.35	<.4	<.04	<.8	--
	07-28-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 75	11-13-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 76	11-12-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	07-26-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 84	11-18-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.2	<4.0	E.02	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-10-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 69	12-10-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 70	12-29-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 71	12-22-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	07-27-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 80	11-05-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-30-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 98	08-25-04	<.2	<4.0	E.04	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.2	<4.0	.12	<.1	<.1	<.35	<.4	E.03	<.8	<2.0
CT- WY 93	08-24-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 92	08-23-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 83	11-04-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	08-31-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 79	11-04-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	07-29-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 81	12-02-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
	07-29-04	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0
CT- WY 82	12-08-03	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Methyl methac- rylate, water, unfltrd ug/L (81597)	Methyl tert- pentyl ether, water, unfltrd ug/L (50005)	meta- + para- Xylene, water, unfltrd ug/L (85795)	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)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	09-14-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 35	12-01-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	09-16-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 73	12-17-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 74	11-06-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-28-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 100	08-03-04	<.3	.13	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.3	.31	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 78	11-20-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-28-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 75	11-13-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 76	11-12-03	<.3	15.2	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-26-04	<.3	E.06	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 84	11-18-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.3	.24	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-10-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 69	12-10-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 70	12-29-03	<.3	E.02	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 71	12-22-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-27-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 80	11-05-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-30-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 98	08-25-04	<.3	<.08	E.05	<.5	<.7	<.1	<.04	E.03	<.06	<.04
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	<.3	2,770	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 93	08-24-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 92	08-23-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 83	11-04-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	08-31-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 79	11-04-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-29-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 81	12-02-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
	07-29-04	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04
CT- WY 82	12-08-03	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	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 unfl ug/L (73547)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.05	E.1	<.06	E.09	<.06	<2	E.02	<.03	<.09	<.7
	09-14-04	<.05	E.2	<.06	E.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 35	12-01-03	<.05	<.2	<.06	E.03	<.06	M	<.05	<.03	<.09	<.7
	09-16-04	<.05	<.2	<.06	<.06	<.06	E1	<.05	<.03	<.09	<.7
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.05	.3	<.06	E.04	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 73	12-17-03	<.05	.4	<.06	.14	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 74	11-06-03	<.05	.3	<.06	.13	<.06	<2	<.05	<.03	<.09	<.7
	07-28-04	<.05	1.2	<.06	E.07	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 100	08-03-04	1.09	5.0	<.06	1.77	E.03	<2	<.05	<.03	<.09	<.7
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.05	8.8	<.06	.75	<.06	<2	<.05	<.03	<.09	<.7
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	1.05	.4	<.06	1.68	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 86	12-04-03	--	--	--	--	--	--	--	--	--	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 78	11-20-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	07-28-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 75	11-13-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 76	11-12-03	.90	305	<.06	2.30	<.06	<2	<.05	<.03	<.09	<.7
	07-26-04	1.90	52.7	<.06	2.62	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 84	11-18-03	<.05	E.1	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.05	8.4	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	08-10-04	<.05	.4	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 69	12-10-03	<.05	.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 70	12-29-03	<.05	.7	<.06	.10	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 71	12-22-03	<.05	.8	<.06	E.07	<.06	<2	<.05	<.03	<.09	<.7
	07-27-04	<.05	.4	<.06	E.03	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 80	11-05-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	08-30-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 98	08-25-04	<.05	<.2	<.06	<.06	<.06	<2	.12	<.03	<.09	<.7
	08-26-04	--	--	--	--	--	--	--	--	--	--
CT- WY 95	08-02-04	40.9	16,900	<.06	11.1	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 93	08-24-04	<.05	<.2	<.06	<.06	<.06	<2	E.04	<.03	<.09	<.7
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 92	08-23-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 83	11-04-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	08-31-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 79	11-04-03	<.05	E.1	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	07-29-04	<.05	.3	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 81	12-02-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
	07-29-04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7
CT- WY 82	12-08-03	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	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)	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Di- chlor- vos, water fltrd, ug/L (38775)	Alpha radio- activity water, Th-230, pCi/L (04126)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	Gross beta radioac water, fltrd, Cs-137, pCi/L (03515)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
LITCHFIELD COUNTY											
CT- WY 88	11-24-03	<.10	2.78	<.16	E.06	<.1	<.01	.6	-46.80	3.6	-7.55
	09-14-04	<.10	2.10	<.16	E.06	<.1	--	--	--	--	--
CT- WY 35	12-01-03	<.10	.60	<.16	E.02	<.1	--	--	-46.20	--	-7.56
	09-16-04	<.10	.14	<.16	<.02	<.1	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	--	--	--	--	--
CT- WY 72	12-16-03	<.10	<.04	<.16	E.02	<.1	<.01	.1	-49.20	1.3	-7.90
CT- WY 73	12-17-03	<.10	E.03	<.16	.48	<.1	<.01	.3	-48.20	1.9	-7.83
CT- WY 74	11-06-03	<.10	E.04	<.16	.45	<.1	<.01	-.1	-49.80	1.8	-8.00
	07-28-04	<.10	E.03	<.16	.39	<.1	--	--	--	--	--
CT- WY 100	08-03-04	<.10	15.3	<.16	E.04	<.1	<.01	M	-46.60	2	-7.73
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 101	08-04-04	<.10	.29	<.16	E.02	<.1	<.01	M	-49.00	2	-7.94
	08-06-04	--	--	--	--	--	--	--	--	--	--
CT- WY 102	08-05-04	<.10	24.8	<.16	E.04	<.1	<.01	M	-46.60	1	-7.66
CT- WY 86	12-04-03	--	--	--	--	--	--	3.5	--	3.5	--
	09-30-04	--	--	--	--	--	--	--	--	--	--
CT- WY 77	12-09-03	<.10	<.04	<.16	E.05	<.1	<.01	.2	-50.10	2.0	-7.93
CT- WY 78	11-20-03	<.10	<.04	<.16	<.02	<.1	<.01	.1	-44.60	2.2	-7.30
	07-28-04	<.10	<.04	<.16	<.02	<.1	--	--	-40.60	--	-6.55
CT- WY 75	11-13-03	<.10	<.04	<.16	<.02	<.1	<.01	.3	--	2.6	--
CT- WY 76	11-12-03	<.10	20.8	<.16	E.04	<.1	<.01	.1	--	2.0	--
	07-26-04	<.10	7.94	<.16	E.04	<.1	--	--	--	--	--
CT- WY 84	11-18-03	<.10	<.04	<.16	<.02	<.1	<.01	.6	--	1.3	--
	11-19-03	--	--	--	--	--	--	--	--	--	--
CT- WY 85	11-19-03	<.10	.11	<.16	<.02	<.1	<.01	1.2	--	8.6	--
	08-10-04	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
CT- WY 69	12-10-03	<.10	<.04	<.16	E.04	<.1	<.01	.2	--	1.7	--
CT- WY 70	12-29-03	<.10	<.04	<.16	E.02	<.1	<.01	.1	--	1.6	--
CT- WY 71	12-22-03	<.10	<.04	<.16	E.06	<.1	<.01	.2	--	3.5	--
	07-27-04	<.10	<.04	<.16	.13	<.1	--	--	--	--	--
CT- WY 80	11-05-03	<.10	<.04	<.16	<.02	<.1	--	-.1	-44.90	.8	-7.23
	08-30-04	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
CT- WY 98	08-25-04	<.10	<.04	<.16	<.02	<.1	--	--	-44.10	--	-7.18
	08-26-04	--	--	--	--	--	--	M	--	2	--
CT- WY 95	08-02-04	<.10	2.41	<.16	<.02	<.1	--	--	--	--	--
CT- WY 93	08-24-04	<.10	<.04	<.16	<.02	<.1	--	M	--	2	--
	08-25-04	--	--	--	--	--	--	--	--	--	--
CT- WY 91	08-19-04	<.10	<.04	<.16	E.02	<.1	--	M	--	2	--
CT- WY 92	08-23-04	<.10	<.04	<.16	<.02	<.1	--	l	--	2	--
CT- WY 83	11-04-03	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
	08-31-04	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
CT- WY 79	11-04-03	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
	07-29-04	<.10	<.04	<.16	<.02	<.1	--	--	--	--	--
CT- WY 81	12-02-03	<.10	<.04	<.16	E.09	<.1	<.01	.2	--	1.8	--
	07-29-04	<.10	<.04	<.16	E.04	<.1	--	--	--	--	--
CT- WY 82	12-08-03	<.10	<.04	<.16	E.04	<.1	<.01	.9	--	2.3	--

GROUND-WATER QUALITY—Continued

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Rn-222, water, unfltrd pCi/L (82303)	S34/S32 in sulfate water, fltrd, per mil (49932)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)
LITCHFIELD COUNTY							
CT- WY 88	11-24-03	.01	M	2,200	7.07	21.0	.95
	09-14-04	--	--	--	--	--	--
CT- WY 35	12-01-03	--	--	--	--	--	<.04
	09-16-04	--	--	--	--	--	--
CT- WY 89	08-18-04	--	--	--	--	--	.35
CT- WY 72	12-16-03	.04	M	490	9.79	--	.12
CT- WY 73	12-17-03	.08	M	1,260	5.89	--	<.04
CT- WY 74	11-06-03	.15	M	1,660	4.32	21.7	.06
	07-28-04	--	--	--	--	--	--
CT- WY 100	08-03-04	.09	M	--	7.12	--	E.02
	08-06-04	--	--	--	--	--	--
CT- WY 101	08-04-04	.07	M	860	8.06	--	.09
	08-06-04	--	--	--	--	--	--
CT- WY 102	08-05-04	.06	M	2,360	7.13	--	.07
CT- WY 86	12-04-03	.95	M	8,570	11.78	--	1.28
	09-30-04	--	--	--	--	--	--
CT- WY 77	12-09-03	.04	M	720	5.89	21.7	.04
CT- WY 78	11-20-03	.03	M	1,110	6.70	21.8	E.03
	07-28-04	--	--	--	--	--	--
CT- WY 75	11-13-03	.04	M	880	10.01	--	.12
CT- WY 76	11-12-03	.05	M	1,450	6.30	23.6	<.04
	07-26-04	--	--	--	--	--	--
CT- WY 84	11-18-03	.05	M	--	--	--	.07
	11-19-03	--	--	740	5.93	--	--
CT- WY 85	11-19-03	.42	M	1,850	5.87	--	.08
	08-10-04	--	--	--	--	--	--
CT- WY 69	12-10-03	.03	M	970	10.24	--	.12
CT- WY 70	12-29-03	.06	M	680	5.78	--	E.03
CT- WY 71	12-22-03	--	--	940	5.12	--	.06
	07-27-04	--	--	--	--	--	--
CT- WY 80	11-05-03	.03	M	1,140	5.86	--	<.04
	08-30-04	--	--	--	--	--	--
CT- WY 98	08-25-04	--	--	--	6.66	22.2	.47
	08-26-04	.06	M	740	--	--	--
CT- WY 95	08-02-04	--	--	1,160	--	--	--
CT- WY 93	08-24-04	.07	M	--	5.83	22.0	1.80
	08-25-04	--	--	770	--	--	--
CT- WY 91	08-19-04	.04	M	1,350	4.98	20.4	.13
CT- WY 92	08-23-04	.12	M	970	6.71	19.6	E.03
CT- WY 83	11-04-03	--	--	--	--	--	E.02
	08-31-04	--	--	--	--	--	--
CT- WY 79	11-04-03	--	--	--	--	--	.04
	07-29-04	--	--	--	--	--	--
CT- WY 81	12-02-03	.10	M	1,020	9.66	23.7	.05
	07-29-04	--	--	--	--	--	--
CT- WY 82	12-08-03	.05	M	1,770	9.25	22.8	.11

Remark codes used in this table:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

Value qualifier codes used in this table:

b -- Value extrapolated at low end

c -- See laboratory comment

m -- Value is highly variable by this method

n -- Below the LRL and above the LT-MDL

t -- Below the long-term MDL

Null value qualifier codes used in this table:

u -- Unable to determine-matrix interference

BROAD BROOK BASIN

MULTIPLE STATION ANALYSES

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)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
TOLLAND COUNTY										
CT-EL 82	415458072291901	04-29-04	1430	24.50	5.32	193	770	8.3	81	8.1
CT-EL 142	415542072273601	05-07-04	1015	37.54	16.15	250	754	10.9	104	6.2
CT-EL 143	415442072274601	05-05-04	1045	41.4	11.96	230	756	1.0	10	6.5
CT-EL 144	415442072274602	05-05-04	1330	24	14.96	230	756	.1	1	5.7
CT-EL 145	415450072290901	04-29-04	1200	89	7.62	205	770	8.1	73	8.4
CT-EL 146	415450072290902	04-28-04	1345	40.2	8.73	205	753	8.4	78	7.8
CT-EL 147	415450072290903	04-28-04	1030	20	8.50	205	753	4.7	41	5.6
HARTFORD COUNTY										
CT-EW 133	415450072332201	05-11-04	1200	22.6	4.48	40.00	--	9.0	--	7.8
CT-EW 134	415548072311301	05-10-04	1200	102	49.80	185.00	762	7.9	78	7.8
CT-EW 142	415552072311601	05-04-04	1100	35.9	2.05	130	755	6.1	56	6.4
		05-04-04	1101	35.9	2.05	130	755	6.1	56	6.4
CT-EW 143	415552072311602	05-04-04	1340	18.7	1.65	130	755	4.8	43	6.4

MULTIPLE STATION ANALYSES—CONTINUED

Local identifier	Date	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	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)	Phosphorus, water, fltrd, mg/L (00666)
TOLLAND COUNTY									
CT-EL 82	04-29-04	471	15.0	E.05n	<.04	8.05d	<.008	.02	.025
CT-EL 142	05-07-04	204	12.6	E.07n	<.04	2.24	<.008	.04	.045
CT-EL 143	05-05-04	270	15.3	E.08n	.05	<.06	E.007n	<.02	<.004
CT-EL 144	05-05-04	195	11.6	E.08n	<.04	.43	E.006n	<.02	.008
CT-EL 145	04-29-04	180	11.5	<.10	<.04	4.36	<.008	.09	.101
CT-EL 146	04-28-04	211	11.3	<.10	<.04	5.70d	<.008	.04	.046
CT-EL 147	04-28-04	354	9.1	E.07n	<.04	8.31d	<.008	E.01n	.016
HARTFORD COUNTY									
CT-EW 133	05-11-04	255	18.6	E.05n	<.04	1.78	<.008	.02	.018
CT-EW 134	05-10-04	322	14.7	E.06n	<.04	3.13	<.008	.02	.022
CT-EW 142	05-04-04	454	11.2	E.05n	<.04	9.74d	<.008	E.02n	.021
	05-04-04	454	11.2	--	--	--	--	--	--
CT-EW 143	05-04-04	396	10.6	E.05n	<.04	9.46d	<.008	.02	.095

Remark codes used in this table:

< -- Less than

E -- Estimated value

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded

n -- Below the LRL and above the LT-MDL

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.

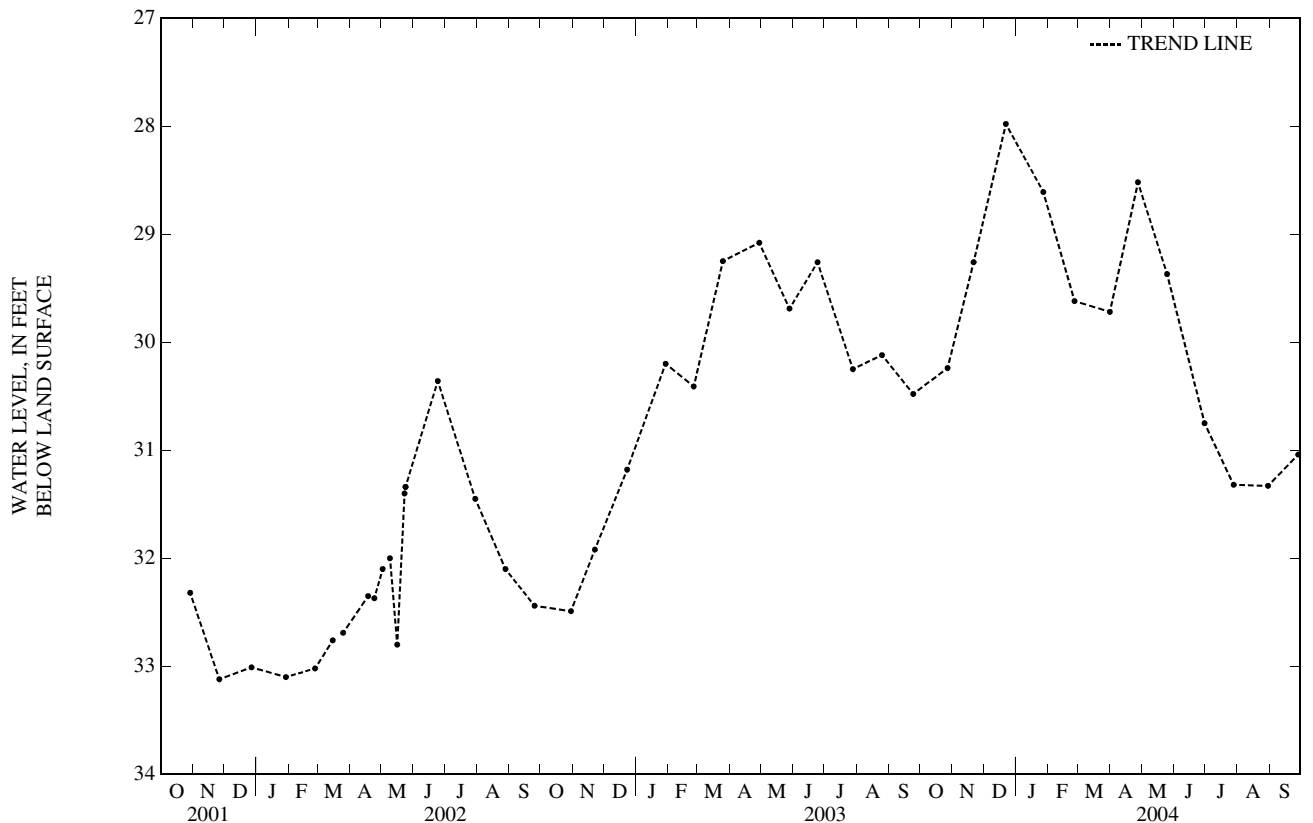
DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.40 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	30.24	DEC 22	27.98	FEB 26	29.62	APR 27	28.52	JUN 30	30.75	AUG 30	31.33
NOV 21	29.26	JAN 27	28.61	MAR 31	29.72	MAY 25	29.37	JUL 28	31.32	SEP 28	31.04
WATER YEAR 2004 HIGHEST 27.98 DEC 22, 2003 LOWEST 31.33 AUG 30, 2004											



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.

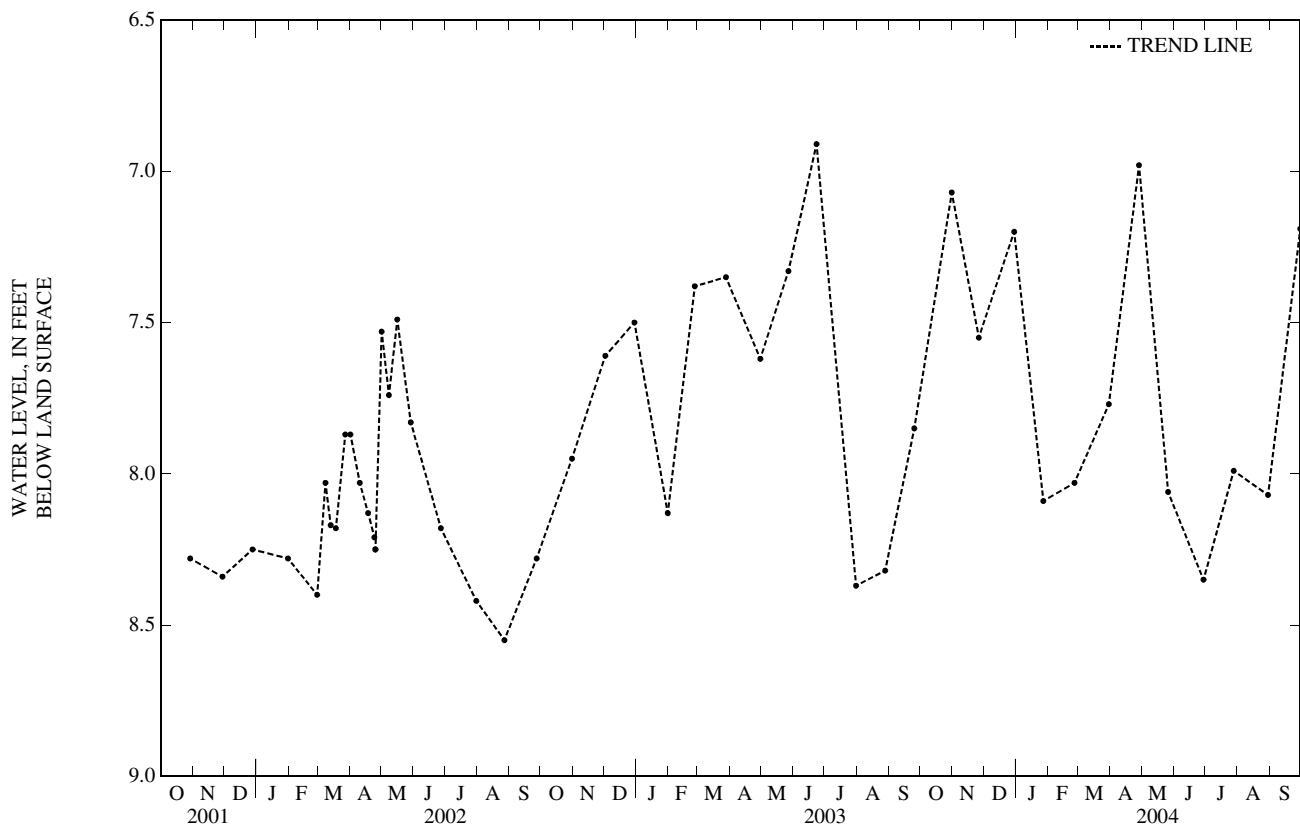
PERIOD OF RECORD.--September 1966 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	7.07	DEC 30	7.20	FEB 26	8.03	APR 28	6.98	JUN 29	8.35	AUG 30	8.07
NOV 26	7.55	JAN 27	8.09	MAR 30	7.77	MAY 26	8.06	JUL 28	7.99	SEP 30	7.19

WATER YEAR 2004 HIGHEST 6.98 APR 28, 2004 LOWEST 8.35 JUN 29, 2004



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.

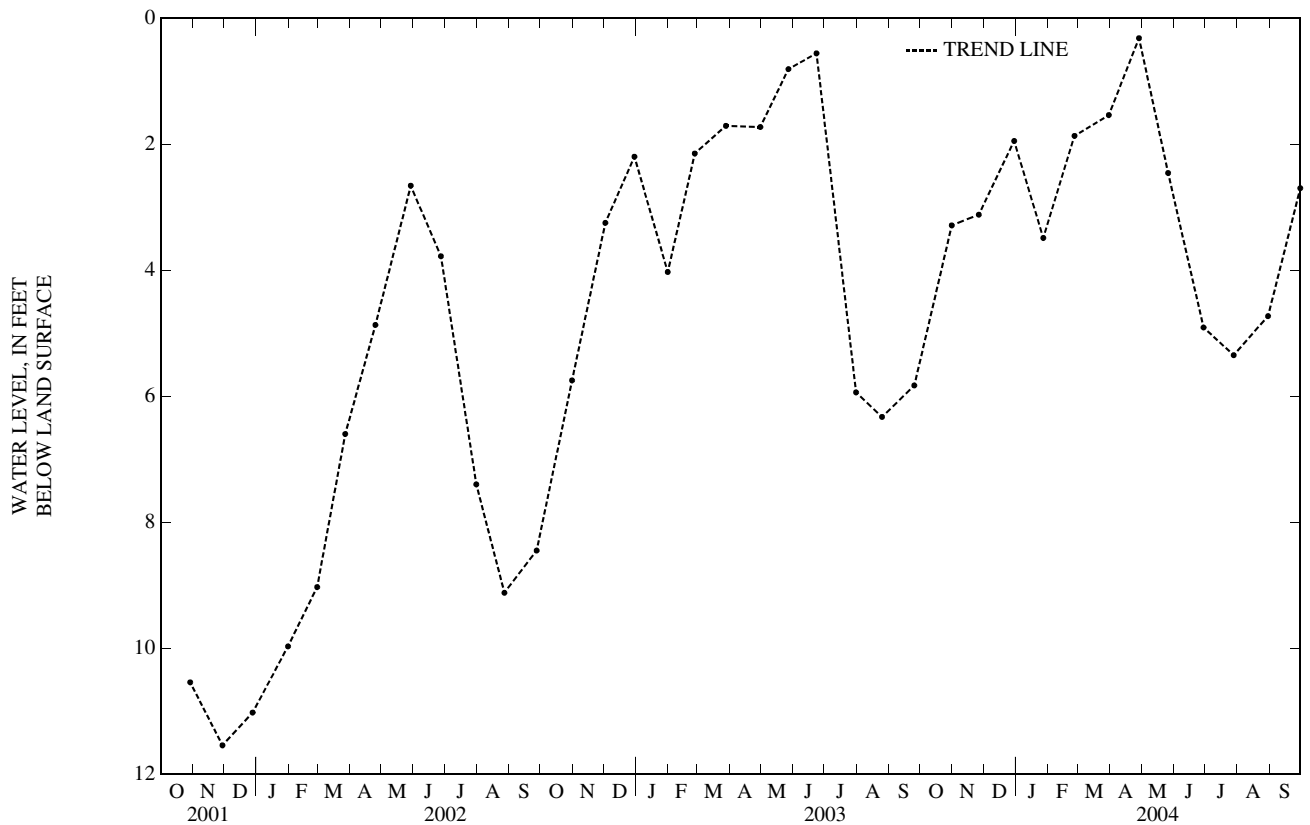
DATUM.--Elevation of land-surface datum is 335 ft above sea level, from topographic map. Measuring point (modified Nov. 29, 2001): Top of PVC protective casing between hacksaw marks under manhole cover in new cul-de-sac, 0.45 ft below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.32 ft below land-surface datum Apr. 28, 2004; 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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	3.29	DEC 30	1.95	FEB 26	1.87	APR 28	.32	JUN 29	4.91	AUG 30	4.73
NOV 26	3.12	JAN 27	3.49	MAR 30	1.54	MAY 26	2.46	JUL 28	5.35	SEP 30	2.70
WATER YEAR 2004		HIGHEST	.32	APR 28, 2004	LOWEST	5.35	JUL 28, 2004				



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.

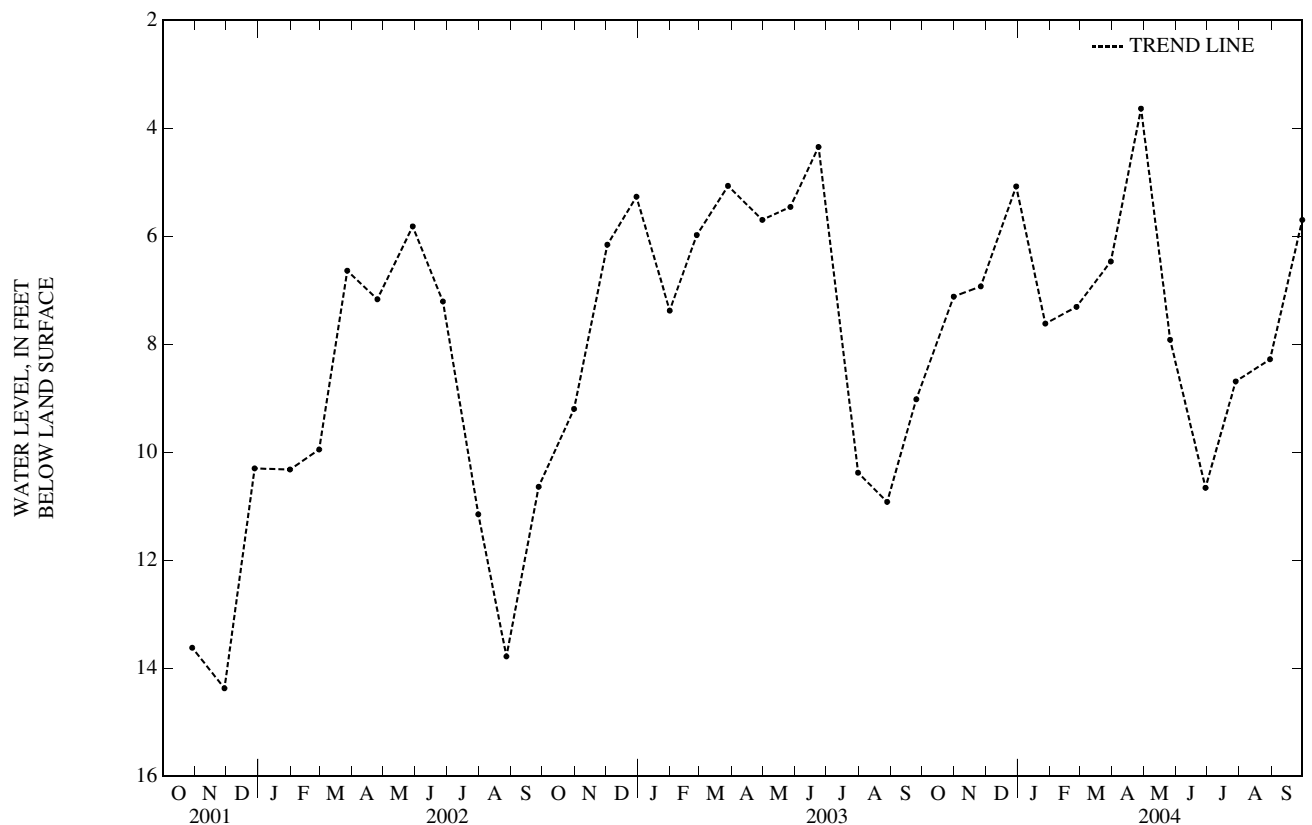
PERIOD OF RECORD.--October 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	7.12	DEC 30	5.08	FEB 26	7.31	APR 28	3.64	JUN 29	10.66	AUG 30	8.28
NOV 26	6.93	JAN 27	7.62	MAR 30	6.47	MAY 26	7.92	JUL 28	8.69	SEP 30	5.70

WATER YEAR 2004 HIGHEST 3.64 APR 28, 2004 LOWEST 10.66 JUN 29, 2004



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.

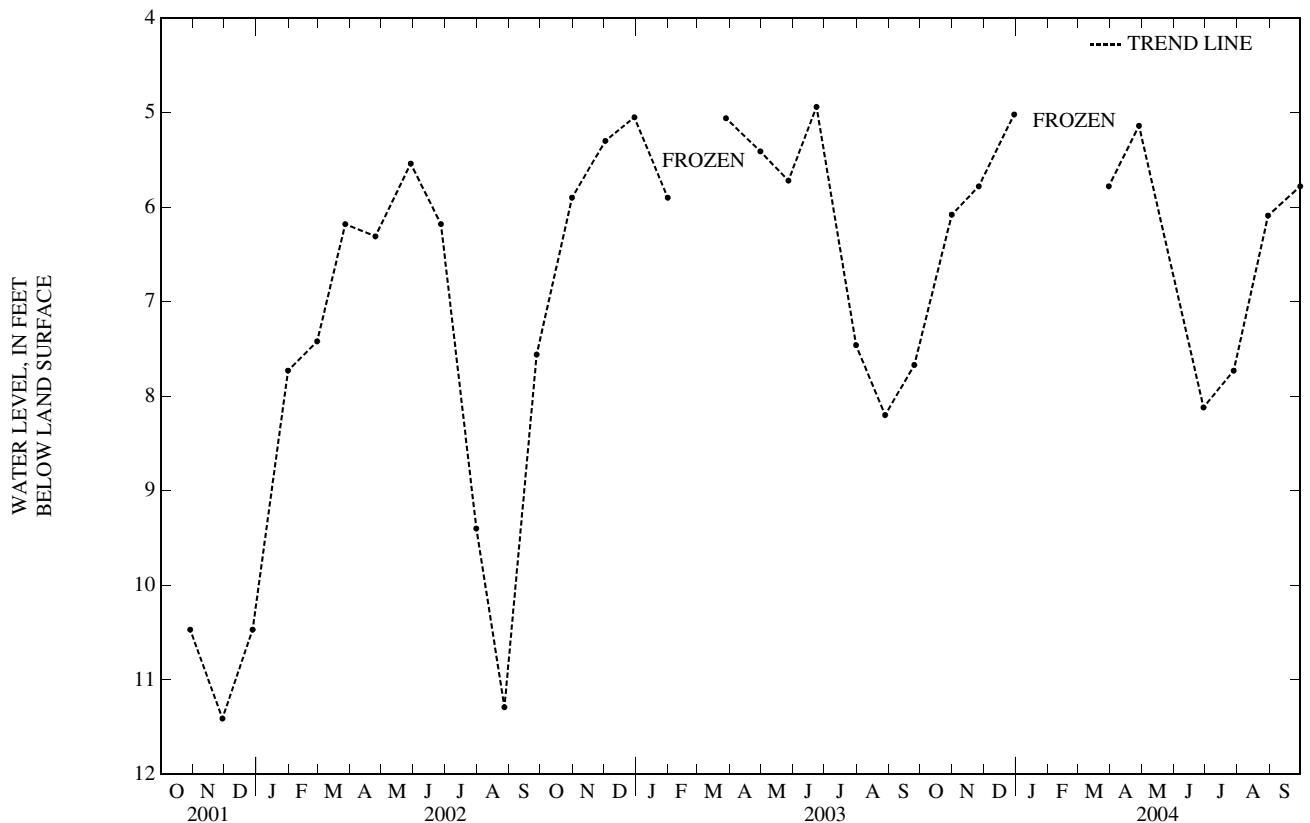
DATUM.--Elevation of land-surface datum is 225 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 0.50 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	6.08	DEC 30	5.02	FEB 26	frozen	APR 28	5.14	JUL 28	7.73	SEP 30	5.78
NOV 26	5.78	JAN 27	frozen	MAR 30	5.78	JUN 29	8.12	AUG 30	6.09		
WATER YEAR 2004 HIGHEST 5.02 DEC 30, 2003 LOWEST 8.12 JUN 29, 2004											



GROUND-WATER LEVELS
FAIRFIELD COUNTY—Continued

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.

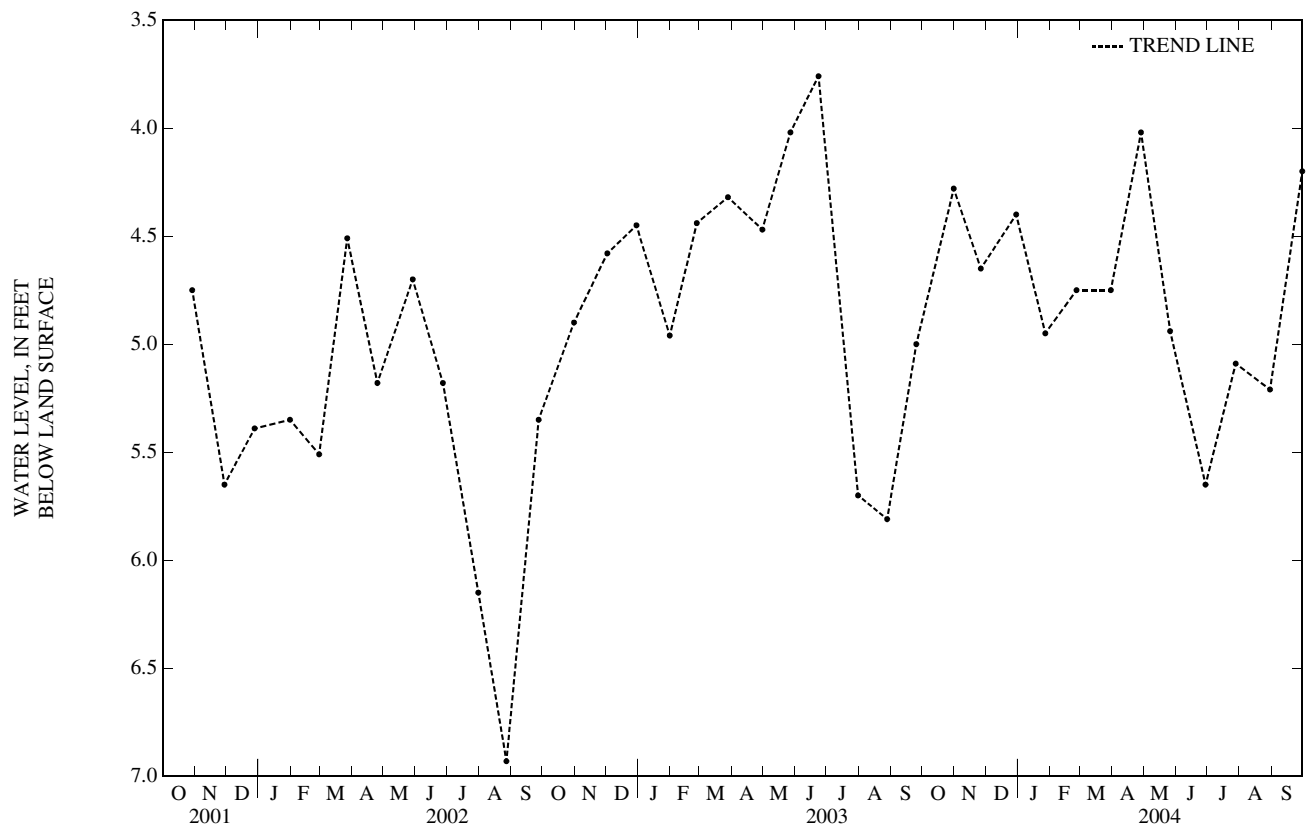
PERIOD OF RECORD.--August 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	4.28	DEC 30	4.40	FEB 26	4.75	APR 28	4.02	JUN 29	5.65	AUG 30	5.21
NOV 26	4.65	JAN 27	4.95	MAR 30	4.75	MAY 26	4.94	JUL 28	5.09	SEP 30	4.20

WATER YEAR 2004 HIGHEST 4.02 APR 28, 2004 LOWEST 5.65 JUN 29, 2004



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 John 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.

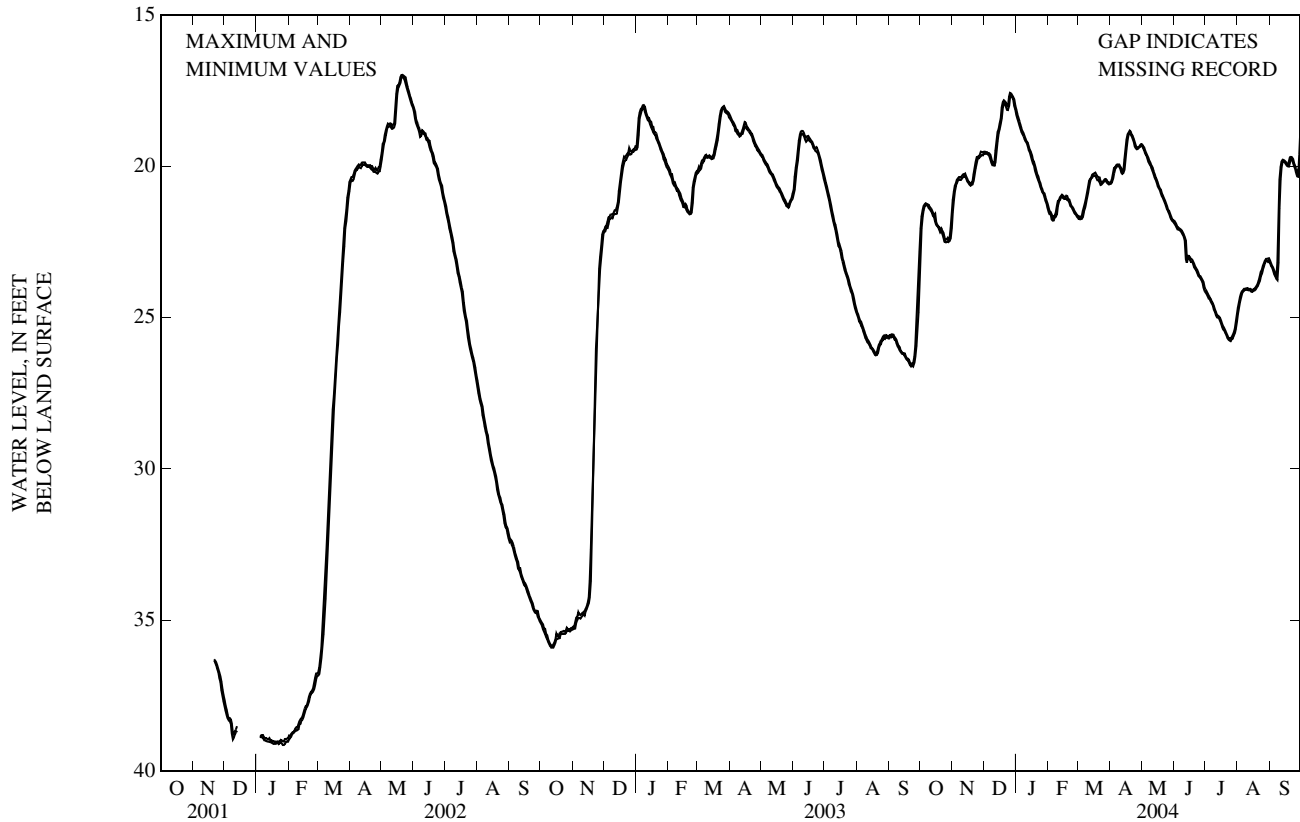
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 6 in, depth 350 ft, steel casing 18.7 ft below land surface, open hole.

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 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.



GROUND-WATER LEVELS
FAIRFIELD COUNTY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.81	22.05	21.52	21.12	19.57	19.52	18.29	18.12	21.50	21.37	21.74	21.67
2	22.05	21.66	21.12	20.84	19.58	19.52	18.42	18.28	21.58	21.49	21.75	21.66
3	21.66	21.45	20.84	20.65	19.58	19.55	18.52	18.38	21.58	21.51	21.75	21.70
4	21.45	21.31	20.65	20.56	19.59	19.54	18.65	18.51	21.75	21.58	21.74	21.64
5	21.31	21.25	20.56	20.45	19.61	19.57	18.75	18.62	21.79	21.72	21.68	21.48
6	21.28	21.22	20.47	20.40	19.65	19.57	18.88	18.75	21.79	21.65	21.50	21.34
7	21.29	21.24	20.43	20.36	19.77	19.62	18.93	18.84	21.69	21.63	21.40	21.22
8	21.31	21.26	20.45	20.37	19.87	19.74	19.01	18.91	21.67	21.54	21.22	21.05
9	21.39	21.28	20.45	20.36	19.96	19.85	19.10	19.00	21.59	21.31	21.05	20.87
10	21.42	21.36	20.40	20.31	19.96	19.93	19.18	19.10	21.31	21.15	20.87	20.6
11	21.48	21.39	20.36	20.27	19.98	19.85	19.22	19.18	21.16	21.12	20.68	20.49
12	21.53	21.45	20.32	20.27	19.86	19.48	19.33	19.22	21.12	21.03	20.49	20.41
13	21.65	21.53	20.34	20.24	19.48	19.18	19.46	19.33	21.03	20.98	20.41	20.38
14	21.67	21.61	20.41	20.34	19.18	18.88	19.54	19.46	21.00	20.94	20.38	20.28
15	21.83	21.57	20.50	20.41	18.90	18.77	19.66	19.52	21.05	20.97	20.31	20.25
16	21.93	21.83	20.54	20.50	18.77	18.59	19.80	19.63	21.08	21.01	20.30	20.23
17	21.98	21.93	20.60	20.53	18.59	18.42	19.90	19.79	21.08	21.02	20.32	20.21
18	22.01	21.98	20.64	20.60	18.42	18.06	19.98	19.85	21.06	20.97	20.38	20.28
19	22.10	22.01	20.62	20.55	18.06	17.88	20.14	19.96	21.12	20.99	20.46	20.33
20	22.19	22.10	20.60	20.50	17.91	17.82	20.26	20.12	21.13	21.08	20.46	20.37
21	22.14	22.05	20.50	20.27	17.93	17.85	20.36	20.24	21.20	21.10	20.51	20.37
22	22.23	22.13	20.27	20.04	18.02	17.89	20.46	20.32	21.31	21.20	20.62	20.50
23	22.35	22.20	20.06	19.86	18.13	17.99	20.54	20.45	21.35	21.31	20.60	20.53
24	22.49	22.34	19.88	19.70	18.14	18.02	20.67	20.54	21.40	21.35	20.56	20.51
25	22.51	22.43	19.74	19.69	18.02	17.70	20.75	20.67	21.48	21.40	20.52	20.48
26	22.51	22.42	19.74	19.66	17.72	17.57	20.86	20.75	21.55	21.48	20.48	20.43
27	22.49	22.37	19.70	19.63	17.65	17.59	20.90	20.86	21.59	21.54	20.46	20.42
28	22.50	22.46	19.66	19.52	17.71	17.65	21.01	20.89	21.65	21.59	20.54	20.46
29	22.47	22.34	19.63	19.53	17.79	17.71	21.13	21.01	21.69	21.63	20.57	20.52
30	22.39	22.04	19.64	19.55	18.00	17.78	21.22	21.12	---	---	20.60	20.55
31	22.04	21.52	---	---	18.12	18.00	21.37	21.22	---	---	20.59	20.54
MONTH	22.81	21.22	21.52	19.52	19.98	17.57	21.37	18.12	21.79	20.94	21.75	20.21
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.58	20.52	19.34	19.28	21.89	21.80	24.17	24.07	24.89	24.68	23.21	23.12
2	20.54	20.42	19.39	19.33	21.94	21.86	24.22	24.13	24.68	24.49	23.30	23.21
3	20.42	20.22	19.48	19.38	22.01	21.92	24.29	24.20	24.49	24.33	23.35	23.30
4	20.24	20.06	19.58	19.48	22.08	22.01	24.37	24.27	24.33	24.20	23.45	23.35
5	20.09	20.03	19.64	19.57	22.10	22.03	24.39	24.34	24.21	24.13	23.58	23.45
6	20.05	19.97	19.73	19.64	22.11	22.06	24.48	24.39	24.14	24.09	23.63	23.58
7	19.99	19.94	19.86	19.72	22.14	22.08	24.54	24.47	24.11	24.05	23.72	23.63
8	19.98	19.94	19.92	19.82	22.19	22.12	24.61	24.53	24.08	24.05	23.76	23.19
9	20.01	19.94	19.97	19.89	22.26	22.18	24.73	24.61	24.08	24.04	23.19	21.39
10	20.08	20.01	20.06	19.97	22.33	22.25	24.81	24.73	24.08	24.03	21.39	20.44
11	20.21	20.07	20.16	20.04	22.45	22.33	24.92	24.81	24.10	24.04	20.44	20.03
12	20.25	20.16	20.26	20.16	23.07	22.45	24.99	24.92	24.10	24.06	20.03	19.84
13	20.22	20.13	20.37	20.25	23.19	23.04	24.99	24.94	24.10	24.05	19.84	19.78
14	20.13	19.77	20.44	20.37	23.04	22.96	25.03	24.97	24.15	24.07	19.84	19.79
15	19.77	19.43	20.54	20.44	23.03	22.96	25.11	25.01	24.15	24.10	19.87	19.82
16	19.43	19.12	20.65	20.53	23.09	23.01	25.21	25.11	24.12	24.06	19.92	19.85
17	19.12	18.94	20.73	20.65	23.16	23.07	25.31	25.21	24.11	24.05	19.98	19.92
18	18.95	18.89	20.78	20.72	23.16	23.08	25.40	25.30	24.07	24.00	20.00	19.96
19	18.90	18.82	20.90	20.78	23.22	23.14	25.43	25.36	24.02	23.95	20.01	19.84
20	18.95	18.85	20.99	20.90	23.34	23.22	25.52	25.43	23.97	23.88	19.89	19.71
21	19.01	18.95	21.05	20.97	23.39	23.31	25.59	25.52	23.89	23.78	19.74	19.69
22	19.10	19.00	21.13	21.05	23.44	23.38	25.68	25.59	23.80	23.64	19.76	19.70
23	19.20	19.10	21.22	21.13	23.52	23.42	25.73	25.68	23.65	23.49	19.89	19.76
24	19.35	19.20	21.32	21.22	23.62	23.51	25.76	25.70	23.56	23.42	19.99	19.89
25	19.41	19.32	21.43	21.32	23.66	23.61	25.78	25.70	23.43	23.30	20.08	19.98
26	19.44	19.39	21.49	21.43	23.69	23.63	25.72	25.66	23.32	23.21	20.22	20.08
27	19.42	19.38	21.57	21.48	23.77	23.69	25.70	25.58	23.21	23.12	20.33	20.22
28	19.38	19.36	21.67	21.57	23.84	23.76	25.61	25.51	23.13	23.06	20.35	20.31
29	19.36	19.30	21.76	21.67	24.00	23.82	25.52	25.38	23.12	23.06	20.34	19.60
30	19.31	19.27	21.81	21.75	24.12	24.00	25.38	25.14	23.16	23.05	19.60	18.85
31	---	---	21.84	21.79	---	---	25.14	24.89	23.13	23.04	---	---
MONTH	20.58	18.82	21.84	19.28	24.12	21.80	25.78	24.07	24.89	23.04	23.76	18.85
YEAR	25.78	17.57										

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, collected 1-hour water-level data until removed on Oct. 22, 2002. Monthly data collected since Oct. 2002. 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.

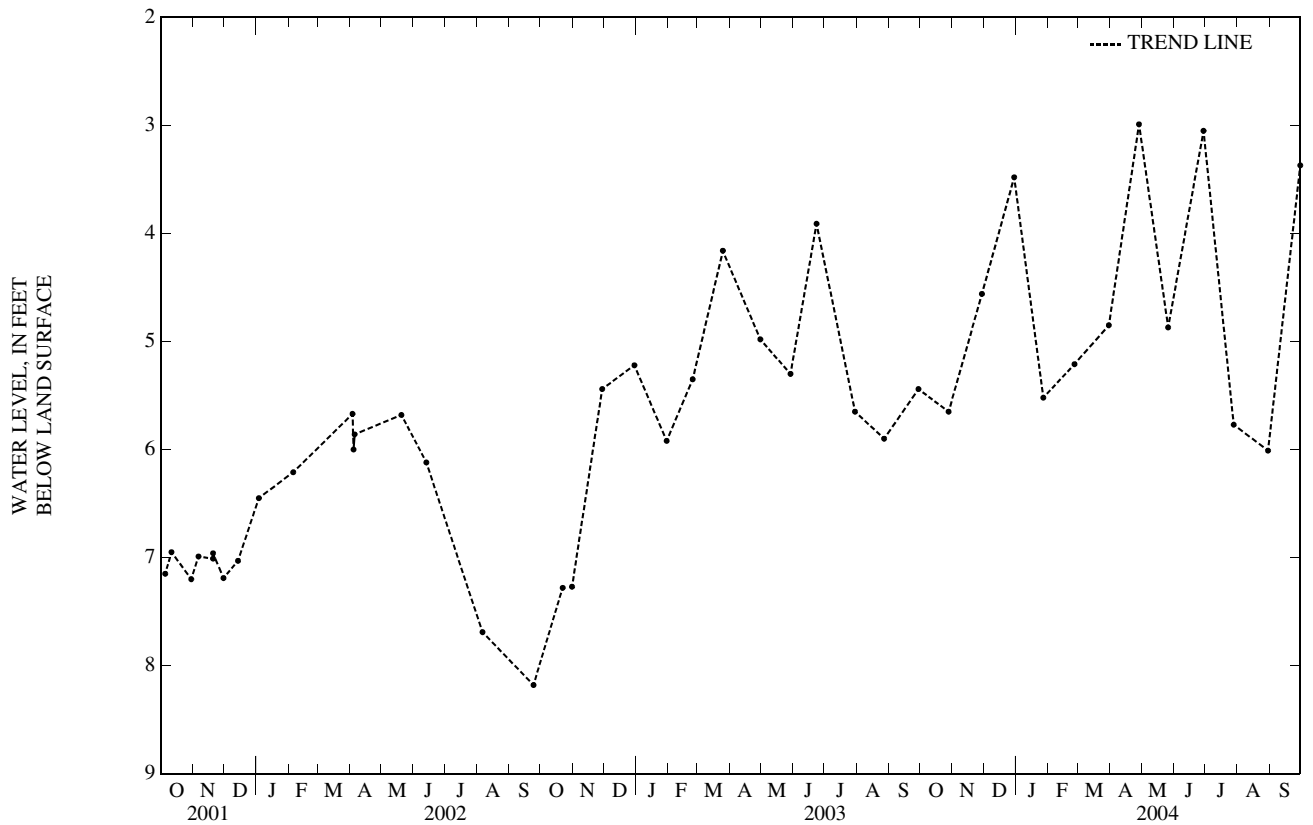
PERIOD OF RECORD.--Nov. 2001 to Sept. 30, 2002 (continuous). Nov. 2001 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.99 ft below land-surface datum, April 28, 2004; lowest water level measured, 9.00 ft below land-surface datum on Sept. 25, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.65	DEC 30	3.48	FEB 26	5.21	APR 28	2.99	JUN 29	3.05	AUG 30	6.01
NOV 29	4.56	JAN 27	5.52	MAR 30	4.85	MAY 26	4.87	JUL 28	5.77	SEP 30	3.37

WATER YEAR 2004 HIGHEST 2.99 APR 28, 2004 LOWEST 6.01 AUG 30, 2004



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, collected 1-hour data until removed on Oct. 22, 2002. Monthly data since Oct. 2002. 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.

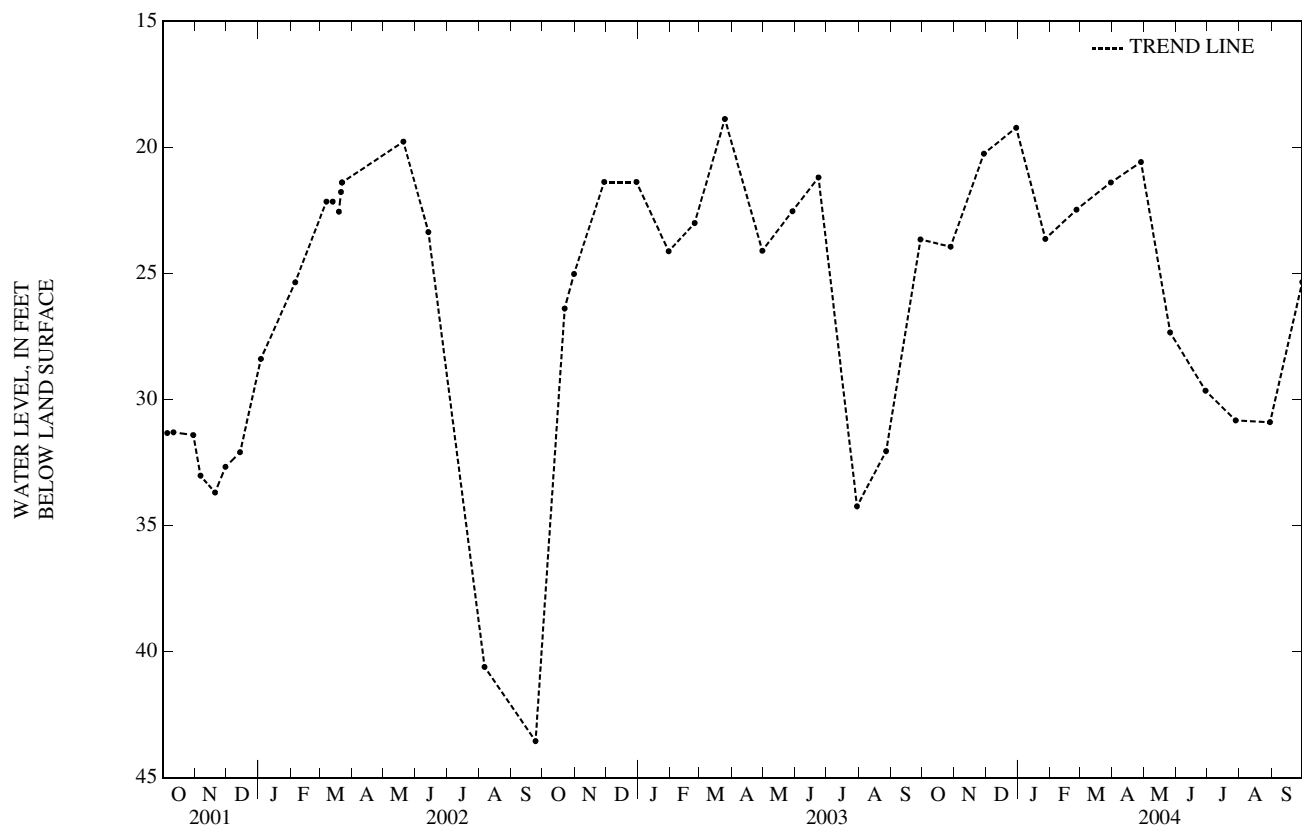
PERIOD OF RECORD.--Nov. 2001 to Sept. 30, 2002 (continuous). Nov. 2001 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.22 ft below land-surface datum, Dec. 30, 2003; lowest water level measured, 46.60 ft below land-surface datum on July 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	23.94	DEC 30	19.22	FEB 26	22.47	APR 28	20.58	JUN 29	29.65	AUG 30	30.90
NOV 29	20.25	JAN 27	23.63	MAR 30	21.39	MAY 26	27.34	JUL 28	30.83	SEP 30	25.34

WATER YEAR 2004 HIGHEST 19.22 DEC 30, 2003 LOWEST 30.90 AUG 30, 2004



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.

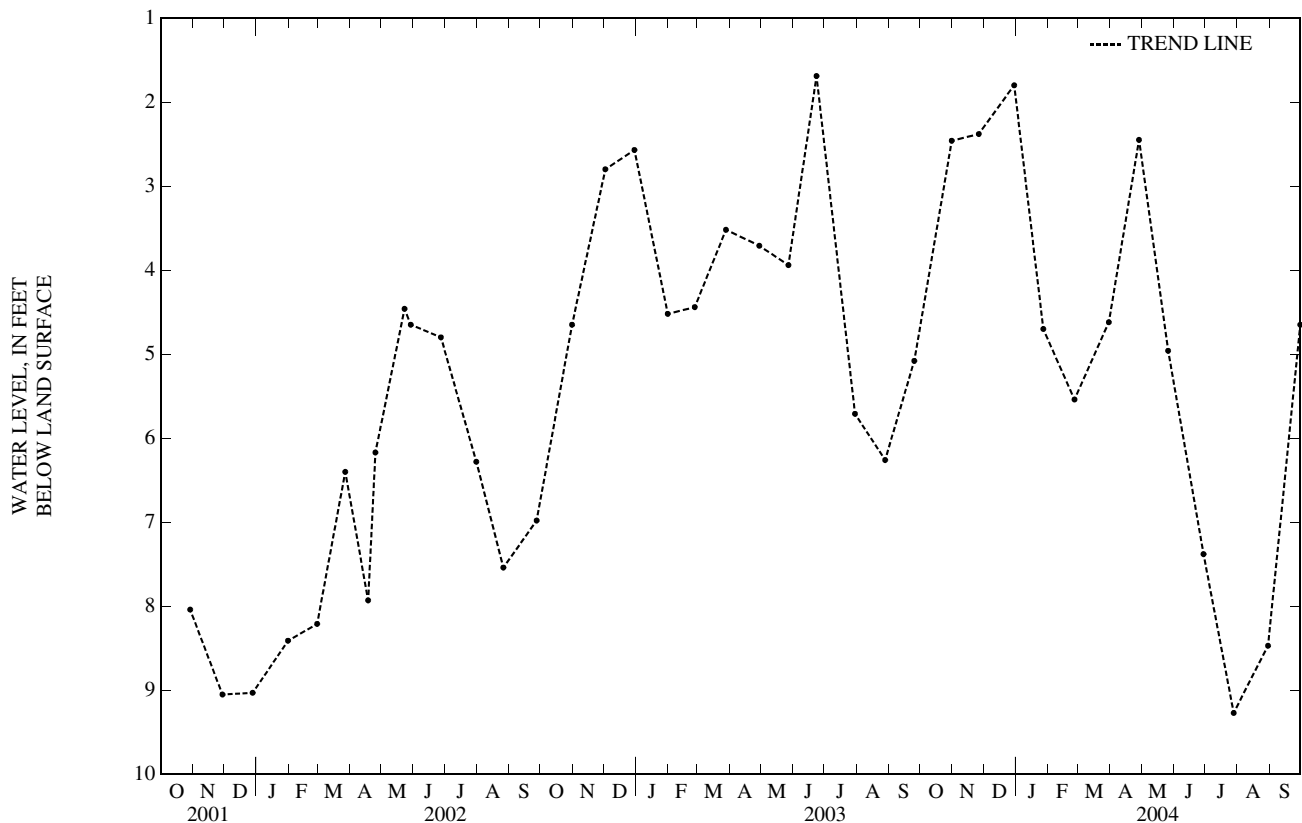
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, between hacksaw marks, 2.20 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.46	DEC 30	1.80	FEB 26	5.54	APR 28	2.45	JUN 29	7.38	AUG 30	8.47
NOV 26	2.38	JAN 27	4.70	MAR 30	4.62	MAY 26	4.96	JUL 28	9.27	SEP 30	4.65
WATER YEAR 2004		HIGHEST	1.80 DEC 30, 2003	LOWEST		9.27 JUL 28, 2004					



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.

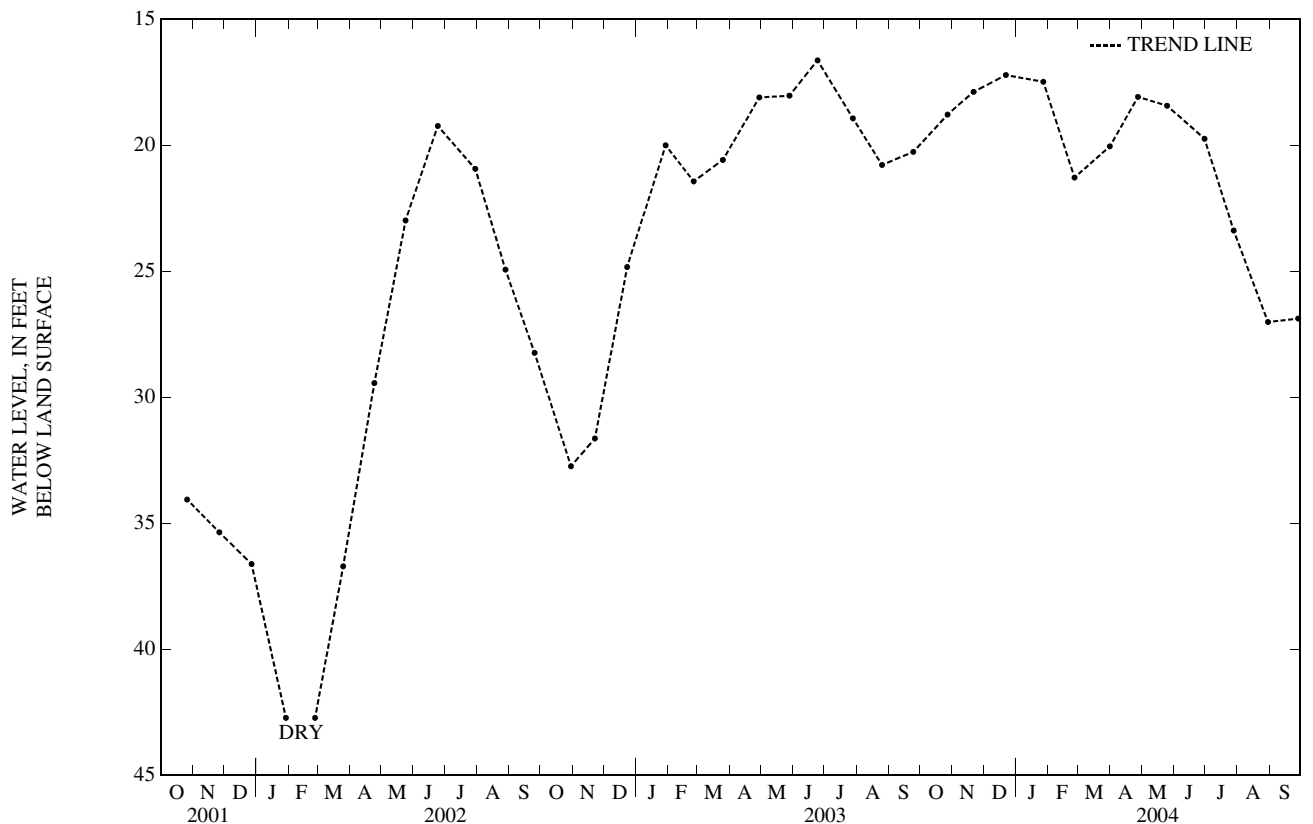
PERIOD OF RECORD.--April 1946 to September 1987 and February 1988 to current year.

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.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.79	DEC 22	17.22	FEB 26	21.29	APR 27	18.09	JUN 30	19.75	AUG 30	27.02
NOV 21	17.89	JAN 27	17.49	MAR 31	20.05	MAY 25	18.44	JUL 28	23.39	SEP 28	26.88
WATER YEAR 2004		HIGHEST	17.22	DEC 22, 2003	LOWEST	27.02	AUG 30, 2004				



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 case between two hacksaw marks, 2.20 ft above land-surface datum.

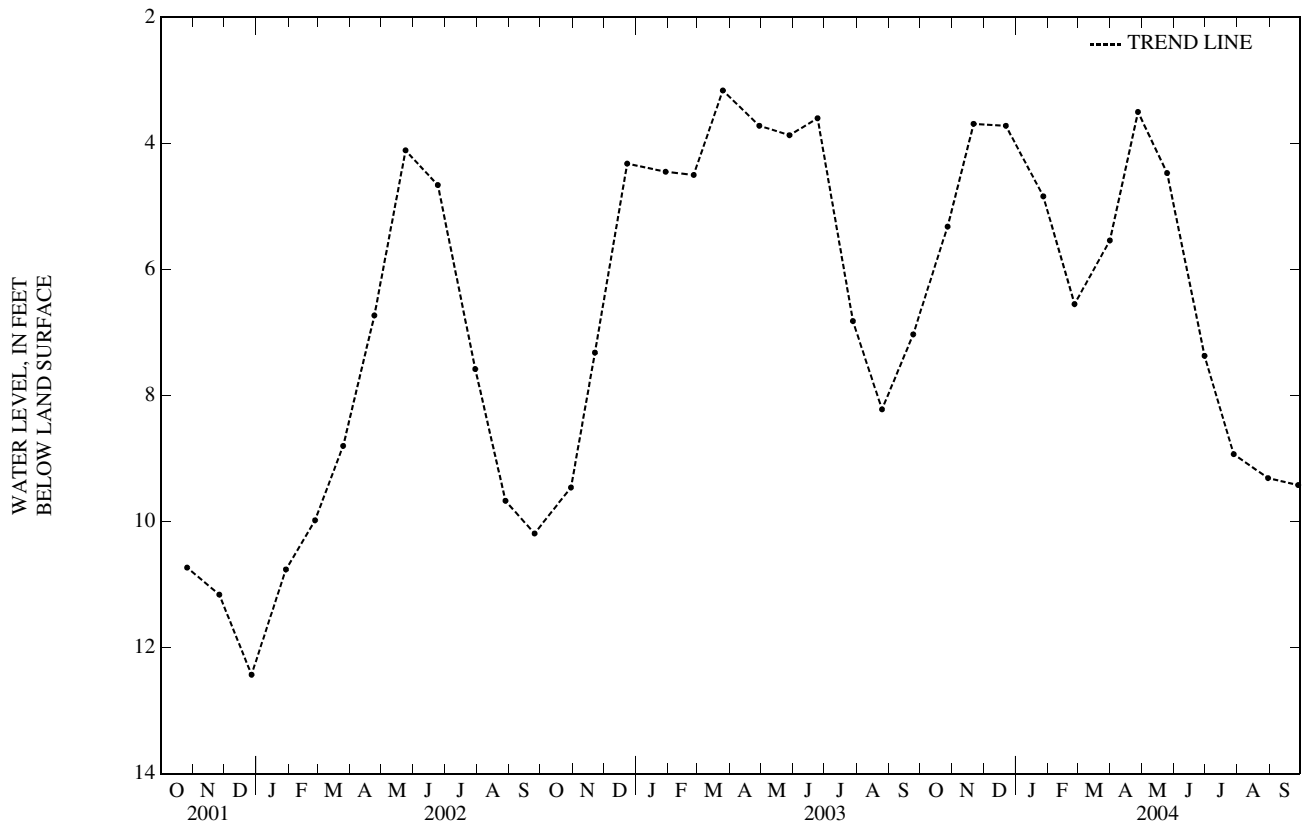
PERIOD OF RECORD.--October 1996 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	5.32	DEC 22	3.72	FEB 26	6.55	APR 27	3.50	JUN 30	7.37	AUG 30	9.31
NOV 21	3.69	JAN 27	4.84	MAR 31	5.54	MAY 25	4.47	JUL 28	8.93	SEP 28	9.42

WATER YEAR 2004 HIGHEST 3.50 APR 27, 2004 LOWEST 9.42 SEP 28, 2004



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 case between two hacksaw marks, 3.00 ft above land-surface datum.

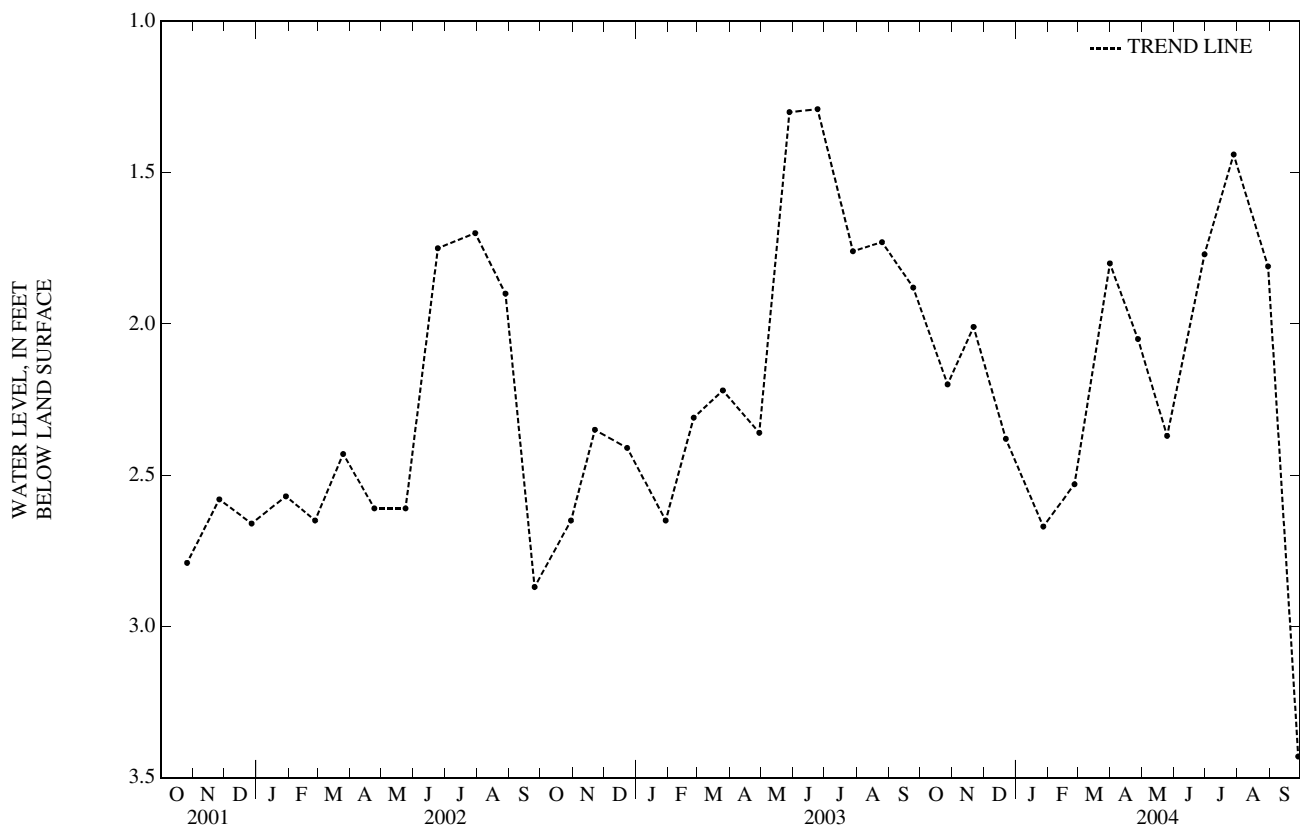
PERIOD OF RECORD.--October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft below land-surface datum, July 1, 1998; lowest water level measured, 3.62 ft below land-surface datum, Feb. 27, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	2.20	DEC 22	2.38	FEB 26	2.53	APR 27	2.05	JUN 30	1.77	AUG 30	1.81
NOV 21	2.01	JAN 27	2.67	MAR 31	1.80	MAY 25	2.37	JUL 28	1.44	SEP 28	3.43

WATER YEAR 2004 HIGHEST 1.44 JUL 28, 2004 LOWEST 3.43 SEP 28, 2004



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.

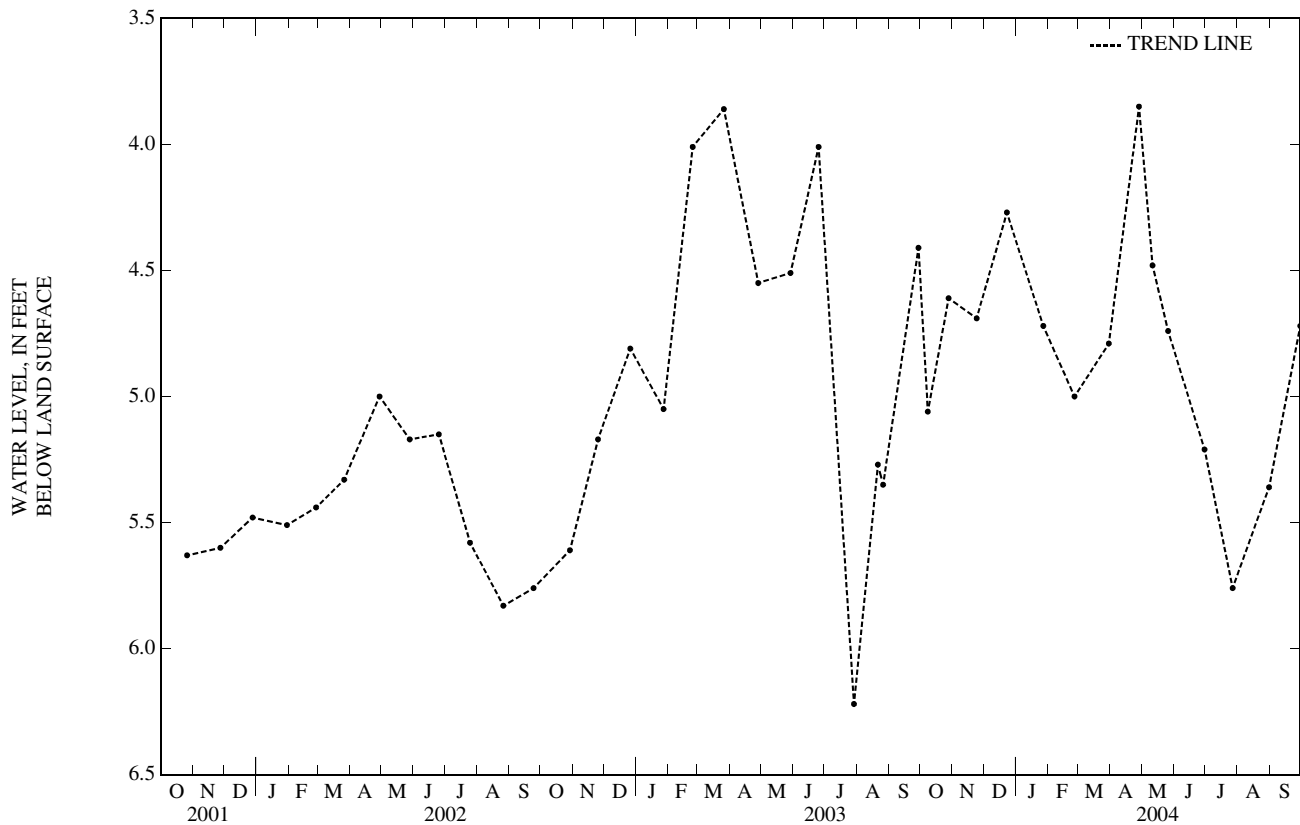
PERIOD OF RECORD.--January 1986 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	5.06	DEC 23	4.27	MAR 30	4.79	MAY 26	4.74	AUG 31	5.36
28	4.61	JAN 27	4.72	APR 28	3.85	JUN 30	5.21	SEP 30	4.72
NOV 24	4.69	FEB 26	5.00	MAY 11	4.48	JUL 27	5.76		

WATER YEAR 2004 HIGHEST 3.85 APR 28, 2004 LOWEST 5.76 JUL 27, 2004



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.

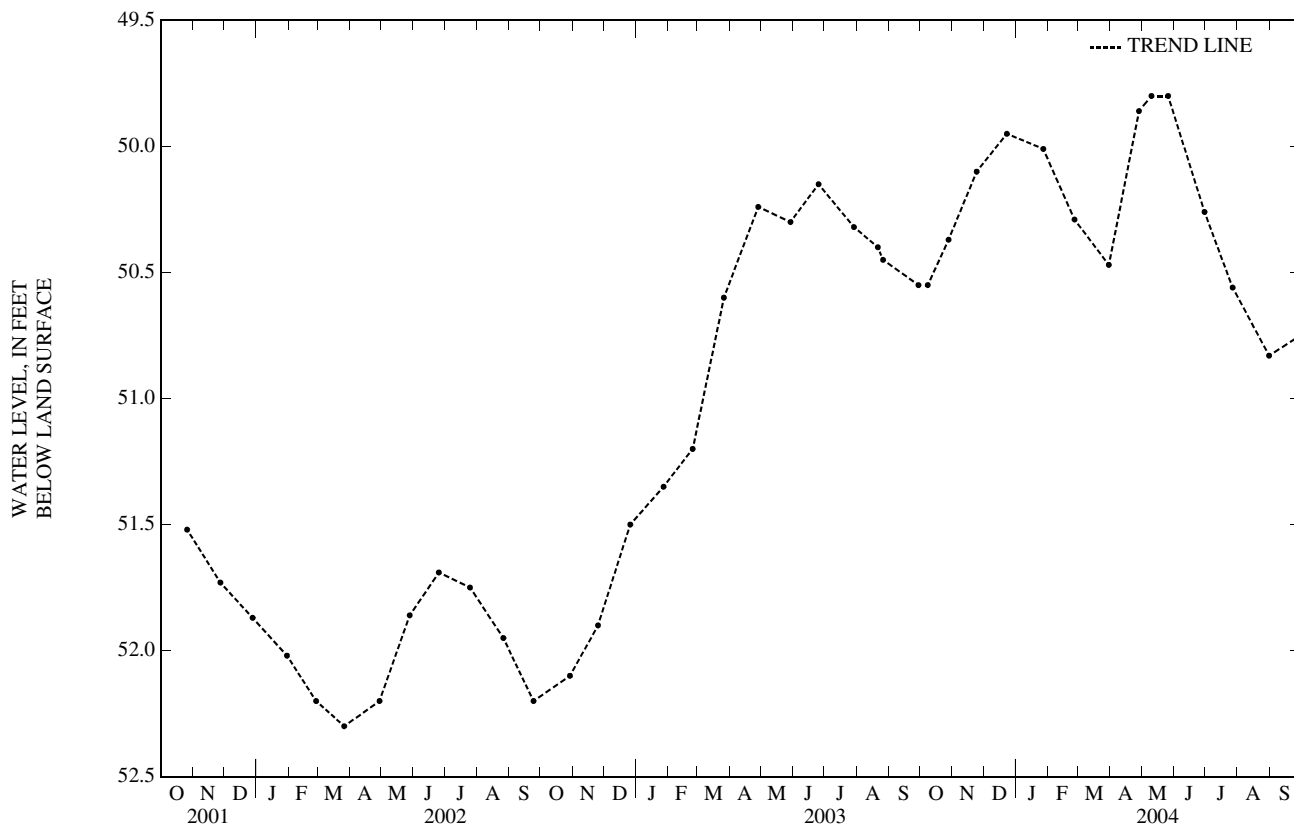
PERIOD OF RECORD.--January 1986 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	50.55	DEC 23	49.95	MAR 30	50.47	MAY 26	49.80	AUG 31	50.83
28	50.37	JAN 27	50.01	APR 28	49.86	JUN 30	50.26	SEP 30	50.75
NOV 24	50.10	FEB 26	50.29	MAY 10	49.8	JUL 27	50.56		

WATER YEAR 2004 HIGHEST 49.8 MAY 10, 2004 MAY 26, 2004 LOWEST 50.83 AUG 31, 2004



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.

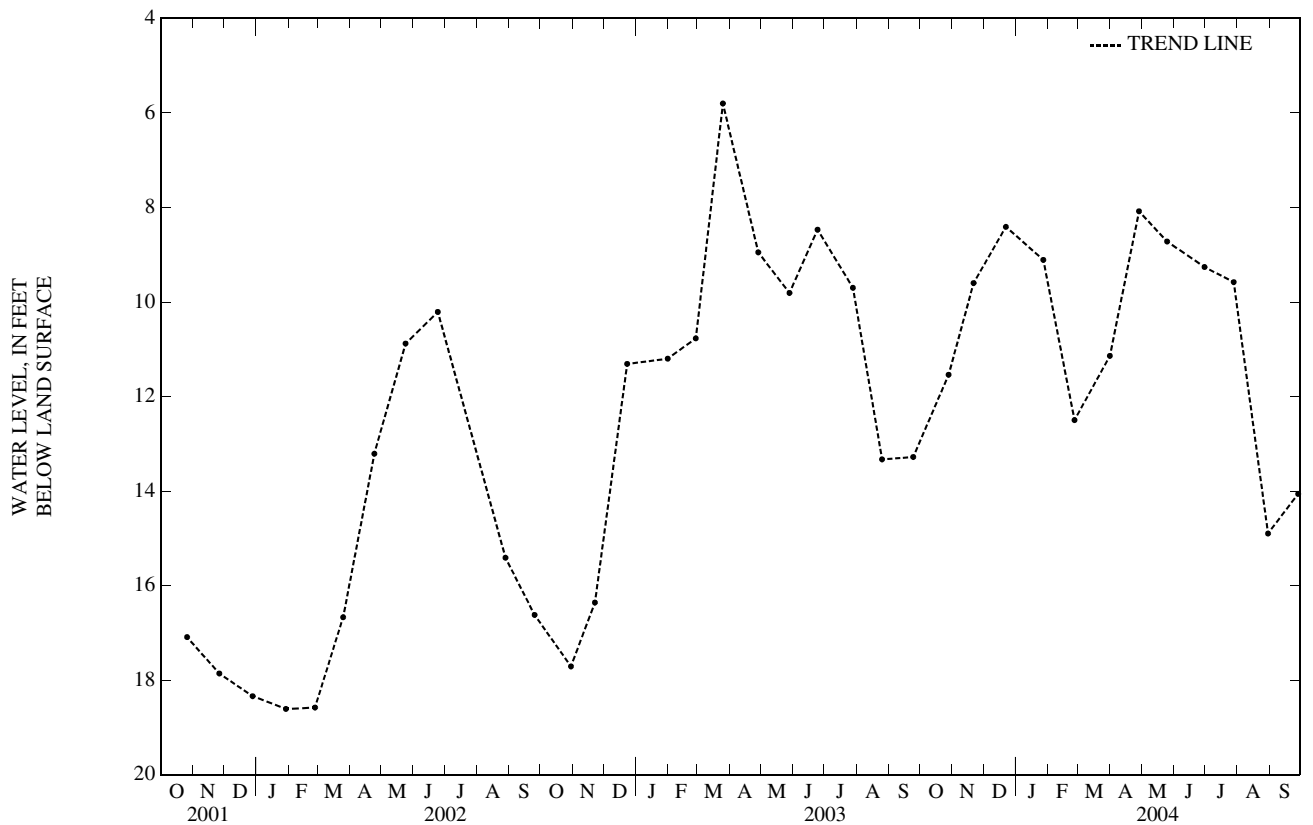
PERIOD OF RECORD.--June 1981 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	11.54	DEC 22	8.41	FEB 26	12.50	APR 28	8.08	JUN 30	9.26	AUG 30	14.90
NOV 21	9.60	JAN 27	9.11	MAR 31	11.14	MAY 25	8.72	JUL 28	9.58	SEP 28	14.06

WATER YEAR 2004 HIGHEST 8.08 APR 28, 2004 LOWEST 14.90 AUG 30, 2004



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.

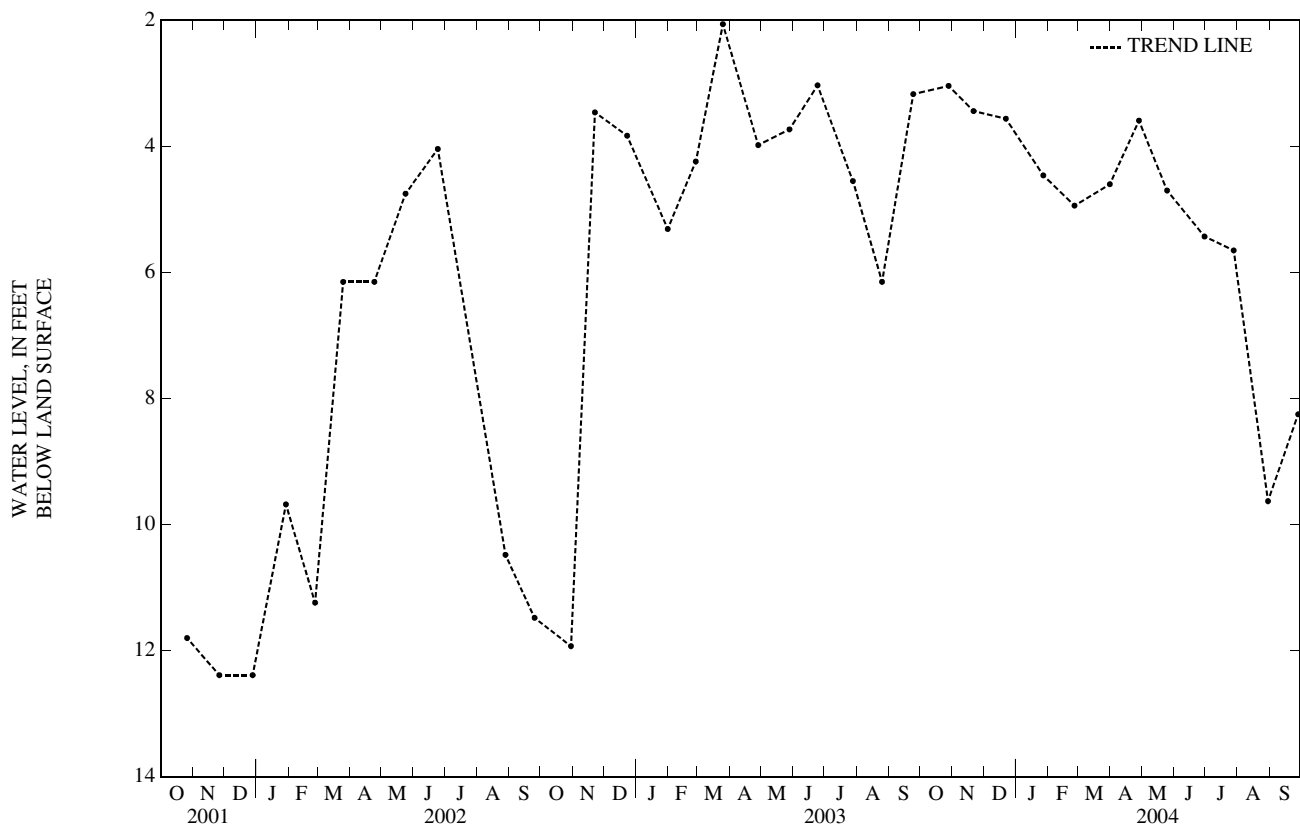
PERIOD OF RECORD.--May 1982 to September 1992. Only 4 measurements during water year 1993. October 1994 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.04	DEC 22	3.56	FEB 26	4.94	APR 28	3.59	JUN 30	5.43	AUG 30	9.63
NOV 21	3.44	JAN 27	4.46	MAR 31	4.60	MAY 25	4.70	JUL 28	5.65	SEP 28	8.25

WATER YEAR 2004 HIGHEST 3.04 OCT 28, 2003 LOWEST 9.63 AUG 30, 2004



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.

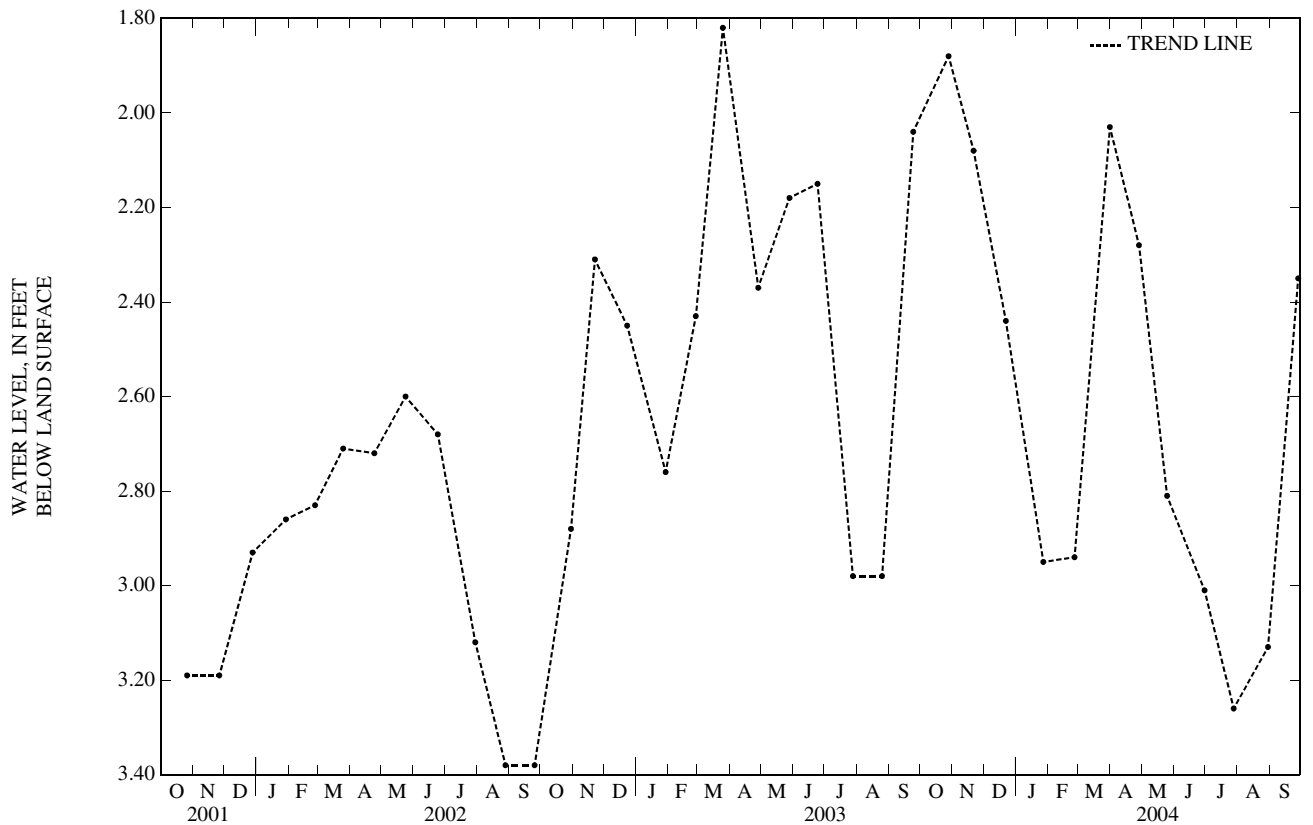
PERIOD OF RECORD.-- May 1982 to September 1992. Only 4 measurements made during water year 1993. October 1994 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	1.88	DEC 22	2.44	FEB 26	2.94	APR 28	2.28	JUN 30	3.01	AUG 30	3.13
NOV 21	2.08	JAN 27	2.95	MAR 31	2.03	MAY 25	2.81	JUL 28	3.26	SEP 28	2.35

WATER YEAR 2004 HIGHEST 1.88 OCT 28, 2003 LOWEST 3.26 JUL 28, 2004



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.

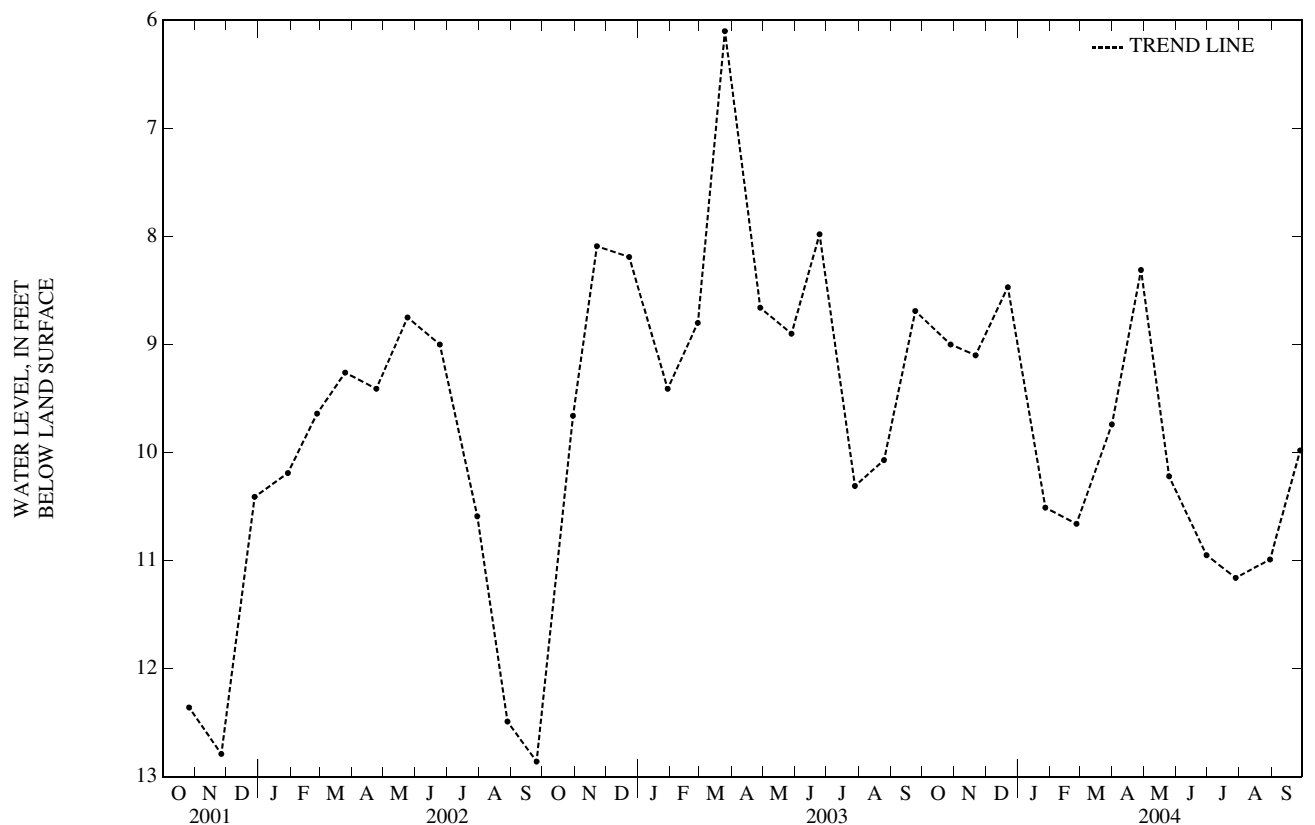
PERIOD OF RECORD.--March 1983 to September 1992. Only 4 measurements made during water year 1993. October 1994 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.00	DEC 22	8.47	FEB 26	10.66	APR 28	8.31	JUN 30	10.95	AUG 30	10.99
NOV 21	9.10	JAN 27	10.51	MAR 31	9.74	MAY 25	10.22	JUL 28	11.16	SEP 28	9.98

WATER YEAR 2004 HIGHEST 8.31 APR 28, 2004 LOWEST 11.16 JUL 28, 2004



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.

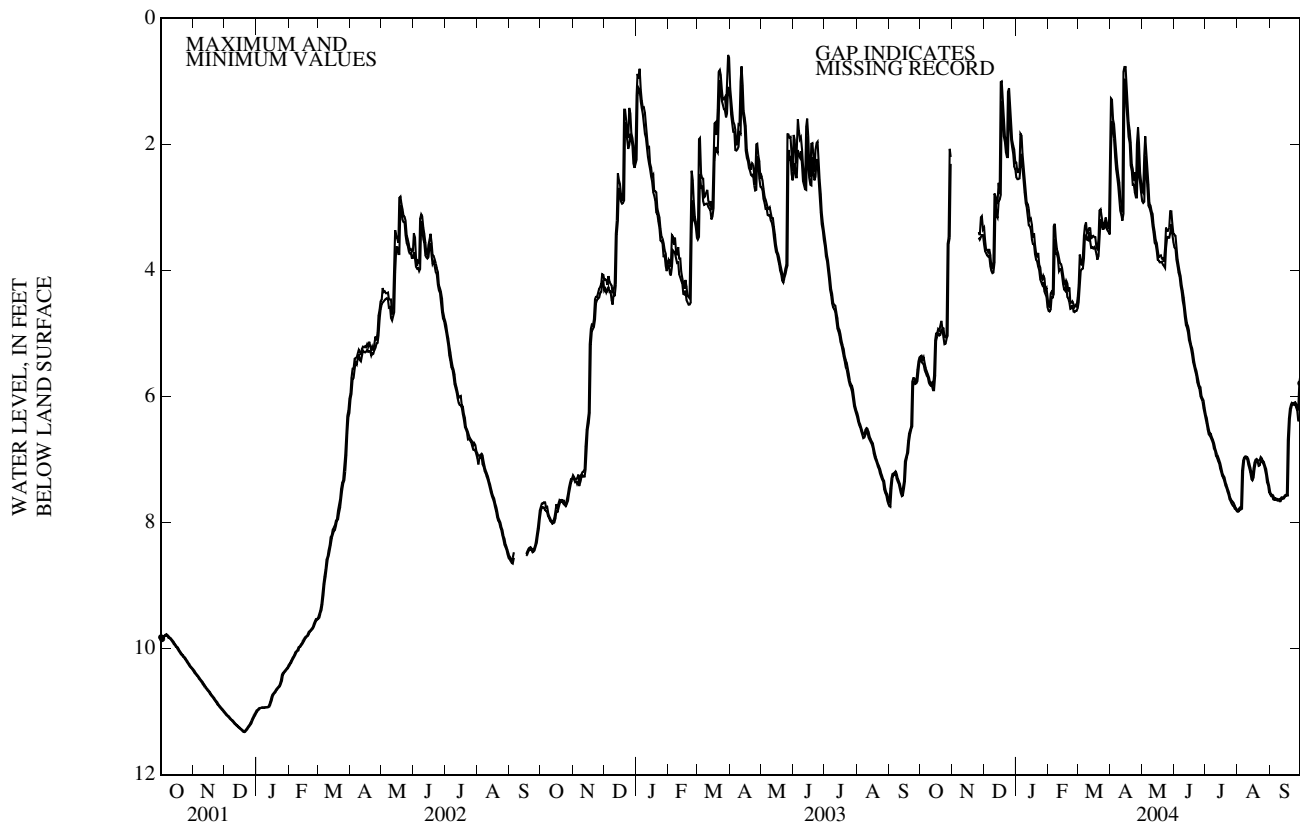
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 16.5 ft, PVC casing, screened 14.6 to 16.5 ft.

INSTRUMENTATION.--Prior to September 1991 measurements made monthly; from September 1991 through September 1993 measurements made with a chalked tape by State Natural Resources Center personnel; from October 1993 through September 1994 measurements made biweekly with a chalked tape; from October 1994 through September 1996 measurements made biweekly with an electric tape; since October 1996 measurements made monthly with an electric tape. 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, 0.30 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 11.31 ft below land-surface datum, Dec. 21, 2001.



GROUND-WATER LEVELS

HARTFORD COUNTY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.40	5.36	---	---	3.59	3.32	2.52	2.29	4.64	4.57	4.50	4.23
2	5.45	5.35	---	---	3.69	3.52	2.55	2.44	4.65	4.58	4.24	3.75
3	5.47	5.41	---	---	3.72	3.66	2.55	2.44	4.62	4.37	4.00	3.86
4	5.49	5.38	---	---	3.76	3.67	2.54	2.38	4.42	4.34	3.98	3.92
5	5.58	5.48	---	---	3.78	3.71	2.38	1.83	4.43	4.37	3.97	3.78
6	5.62	5.55	---	---	3.77	3.66	2.15	1.86	4.38	3.30	3.81	3.45
7	5.67	5.60	---	---	3.93	3.76	2.37	2.15	3.50	3.26	3.47	3.30
8	5.69	5.64	---	---	4.00	3.93	2.57	2.37	3.73	3.50	3.44	3.24
9	5.78	5.69	---	---	4.04	3.98	2.76	2.56	3.74	3.66	3.51	3.41
10	5.81	5.77	---	---	4.03	3.87	2.93	2.76	3.80	3.71	3.52	3.38
11	5.83	5.80	---	---	3.87	2.78	2.99	2.92	4.01	3.80	3.40	3.33
12	5.83	5.78	---	---	2.94	2.82	3.14	2.95	3.98	3.88	3.54	3.33
13	5.90	5.83	---	---	3.13	2.94	3.28	3.02	3.98	3.90	3.64	3.50
14	5.90	5.67	---	---	3.16	2.90	3.30	3.20	4.08	3.96	3.63	3.46
15	5.67	5.11	---	---	2.90	2.61	3.35	3.18	4.22	4.08	3.65	3.45
16	5.11	5.00	---	---	2.88	2.79	3.51	3.28	4.30	4.18	3.63	3.47
17	5.04	4.99	---	---	2.80	1.01	3.58	3.48	4.32	4.22	3.66	3.47
18	5.00	4.93	---	---	1.31	1.00	3.59	3.41	4.24	4.16	3.74	3.64
19	5.03	4.95	---	---	1.54	1.31	3.74	3.59	4.42	4.20	3.83	3.66
20	5.02	4.88	---	---	1.87	1.54	3.83	3.73	4.44	4.33	3.78	3.50
21	4.94	4.80	---	---	1.96	1.87	3.85	3.79	4.51	4.27	3.50	3.05
22	4.95	4.92	---	---	2.12	1.96	3.94	3.72	4.61	4.51	3.19	3.03
23	5.06	4.92	---	---	2.20	2.11	3.99	3.90	4.60	4.51	3.27	3.13
24	5.17	5.05	---	---	2.20	1.17	4.14	3.95	4.55	4.49	3.34	3.26
25	5.16	5.06	---	---	1.33	1.11	4.18	4.11	4.65	4.53	3.34	3.29
26	5.09	5.03	3.48	3.39	1.61	1.33	4.23	4.14	4.66	4.58	3.32	3.24
27	5.04	3.58	3.51	3.44	1.93	1.61	4.19	4.08	4.64	4.55	3.27	3.16
28	3.58	3.48	3.47	3.16	2.04	1.93	4.33	4.12	4.64	4.57	3.34	3.24
29	3.48	2.07	3.44	3.14	2.15	2.02	4.37	4.31	4.60	4.43	3.37	3.30
30	2.31	2.20	3.44	3.35	2.35	2.08	4.42	4.28	---	---	3.40	3.33
31	---	---	---	---	2.39	2.28	4.58	4.42	---	---	3.43	2.06
MONTH	5.90	2.07	3.51	3.14	4.04	1.00	4.58	1.83	4.66	3.26	4.50	2.06
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2.06	1.27	2.90	2.75	3.63	3.43	6.34	6.27	7.83	7.81	7.55	7.52
2	1.63	1.29	2.93	2.77	3.65	3.45	6.43	6.33	7.82	7.78	7.58	7.55
3	1.74	1.61	2.91	2.17	3.83	3.62	6.52	6.43	7.79	7.76	7.58	7.56
4	1.91	1.68	2.19	1.87	3.93	3.82	6.60	6.52	7.79	7.76	7.63	7.57
5	2.20	1.89	2.46	2.18	4.03	3.91	6.62	6.58	7.78	7.18	7.64	7.61
6	2.39	2.11	2.66	2.42	4.10	4.02	6.65	6.59	7.18	7.02	7.64	7.61
7	2.52	2.34	2.97	2.64	4.24	4.09	6.69	6.64	7.02	6.97	7.64	7.62
8	2.65	2.48	3.00	2.93	4.34	4.24	6.74	6.68	6.97	6.95	7.65	7.63
9	2.87	2.61	3.06	2.97	4.48	4.32	6.82	6.73	6.97	6.95	7.64	7.63
10	3.05	2.82	3.14	3.05	4.58	4.44	6.86	6.81	7.00	6.96	7.66	7.64
11	3.12	2.95	3.30	3.10	4.73	4.58	6.94	6.86	7.08	6.99	7.66	7.62
12	3.21	3.08	3.40	3.28	4.86	4.73	6.97	6.92	7.14	7.07	7.63	7.60
13	3.10	0.85	3.56	3.39	4.90	4.83	7.02	6.95	7.21	7.13	7.62	7.60
14	0.96	0.77	3.58	3.51	4.98	4.88	7.06	7.00	7.31	7.21	7.62	7.60
15	1.06	0.77	3.69	3.56	5.10	4.95	7.14	7.05	7.33	7.29	7.60	7.57
16	1.40	1.05	3.83	3.68	5.17	5.10	7.20	7.13	7.29	7.14	7.58	7.56
17	1.66	1.39	3.84	3.79	5.24	5.17	7.26	7.20	7.15	7.05	7.57	7.56
18	1.88	1.65	3.87	3.77	5.34	5.23	7.29	7.25	7.05	7.00	7.57	6.69
19	1.98	1.79	3.87	3.76	5.45	5.32	7.35	7.28	7.03	6.99	6.69	6.35
20	2.33	1.97	3.86	3.81	5.52	5.45	7.41	7.35	7.04	7.02	6.35	6.20
21	2.42	2.32	3.91	3.81	5.59	5.52	7.45	7.40	7.10	7.02	6.20	6.13
22	2.64	2.39	3.93	3.86	5.66	5.58	7.51	7.45	7.09	7.01	6.13	6.10
23	2.64	2.57	3.96	3.64	5.77	5.66	7.56	7.50	7.01	6.96	6.13	6.11
24	2.76	2.44	3.64	3.32	5.83	5.75	7.63	7.56	7.03	6.98	6.13	6.10
25	2.84	2.75	3.47	3.37	5.87	5.83	7.66	7.62	7.05	7.02	6.12	6.09
26	2.84	2.00	3.48	3.37	5.99	5.85	7.70	7.65	7.09	7.04	6.17	6.11
27	2.00	1.73	3.48	3.32	6.03	5.98	7.73	7.67	7.15	7.09	6.22	6.16
28	2.48	1.98	3.41	3.06	6.08	6.03	7.74	7.69	7.24	7.14	6.38	6.22
29	2.61	2.45	3.27	3.06	6.18	6.06	7.78	7.73	7.36	7.24	6.38	5.79
30	2.76	2.60	3.42	3.25	6.27	6.18	7.79	7.77	7.41	7.35	5.79	5.67
31	---	---	3.55	3.42	---	---	7.82	7.79	7.52	7.41	---	---
MONTH	3.21	0.77	3.96	1.87	6.27	3.43	7.82	6.27	7.83	6.95	7.66	5.67
YEAR	7.83	0.77										

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.

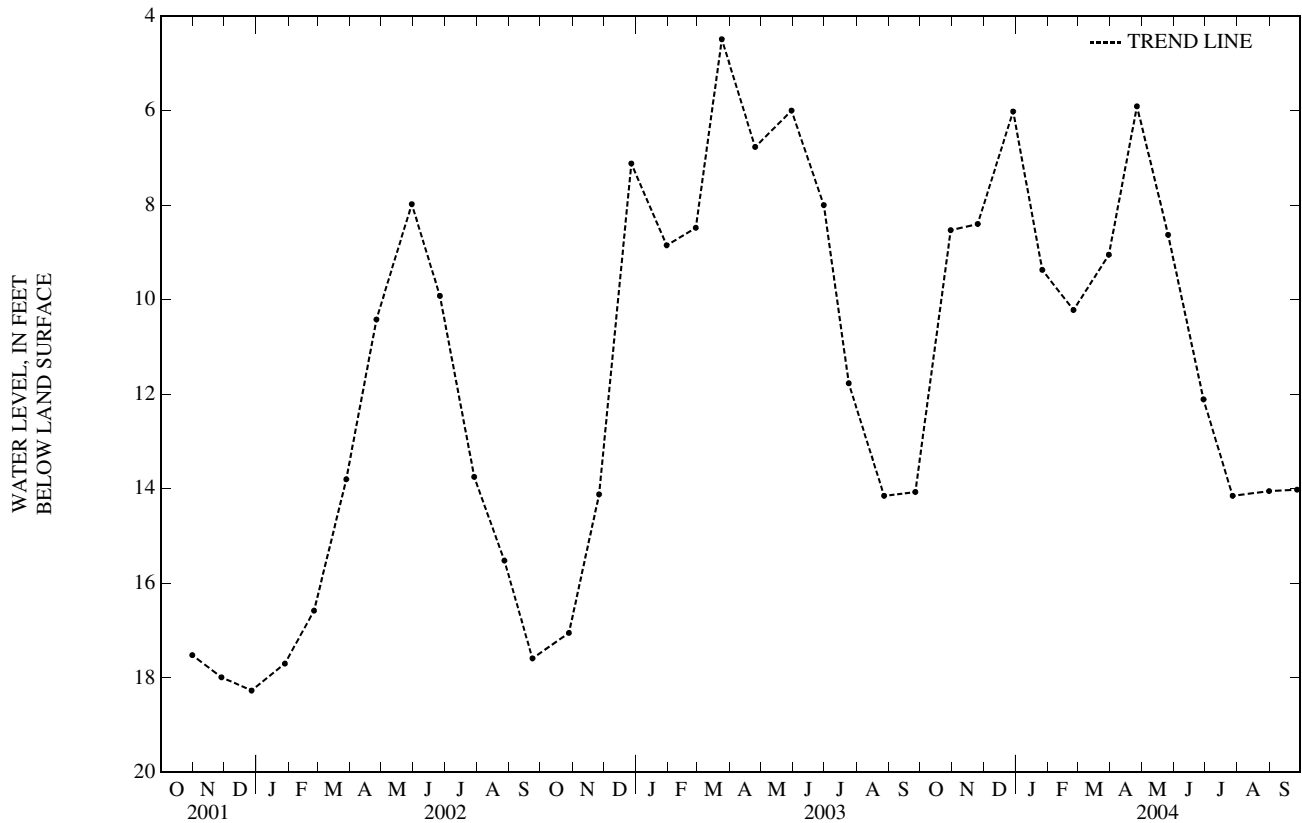
DATUM.--Elevation of land-surface datum is 515 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.0 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	8.53	DEC 29	6.02	FEB 25	10.22	APR 26	5.91	JUN 29	12.11	AUG 31	14.05
NOV 25	8.40	JAN 26	9.37	MAR 30	9.05	MAY 26	8.63	JUL 27	14.15	SEP 27	14.02
WATER YEAR 2004		HIGHEST	5.91	APR 26, 2004	LOWEST	14.15	JUL 27, 2004				



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.

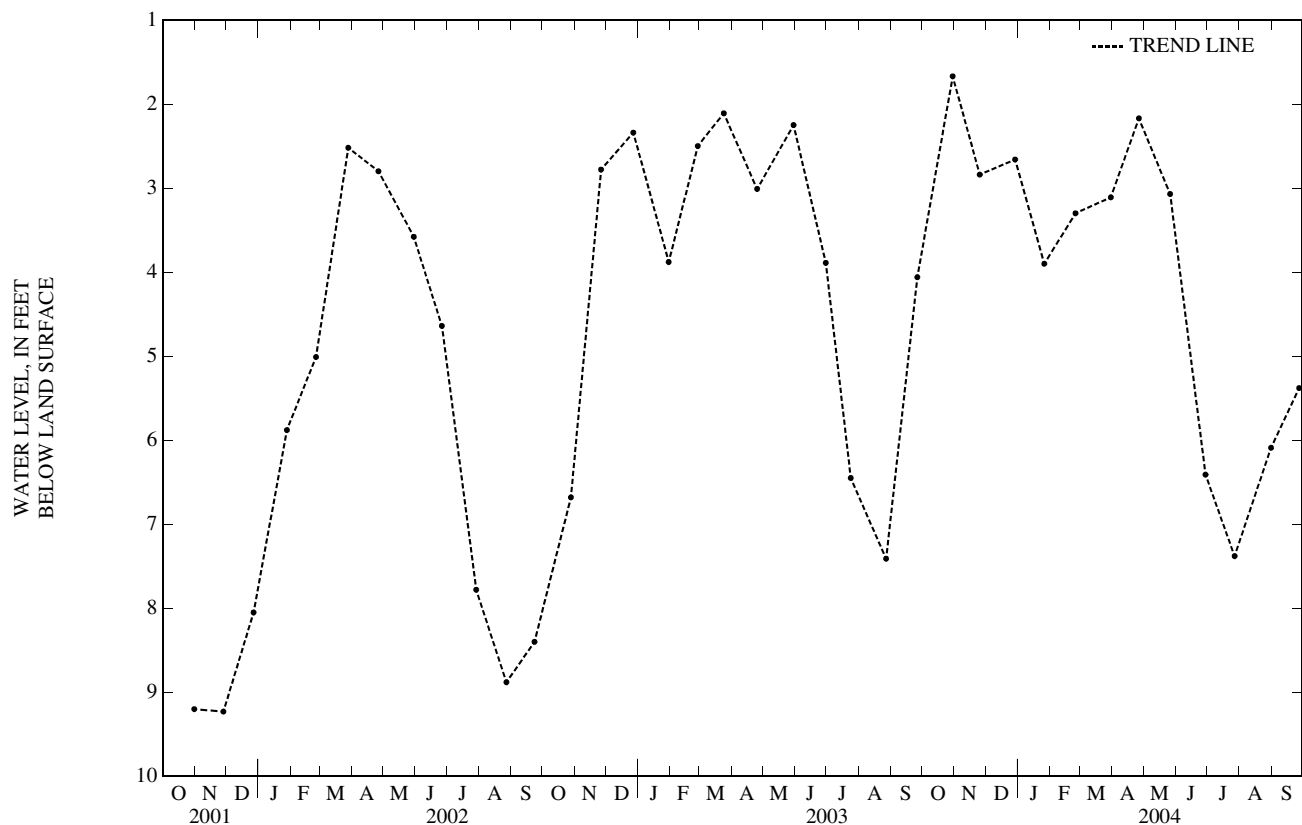
PERIOD OF RECORD.--August 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	1.67	DEC 29	2.66	FEB 25	3.30	APR 26	2.17	JUN 29	6.41	AUG 31	6.09
NOV 25	2.84	JAN 26	3.90	MAR 30	3.11	MAY 26	3.07	JUL 27	7.38	SEP 27	5.38

WATER YEAR 2004 HIGHEST 1.67 OCT 30, 2003 LOWEST 7.38 JUL 27, 2004



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.

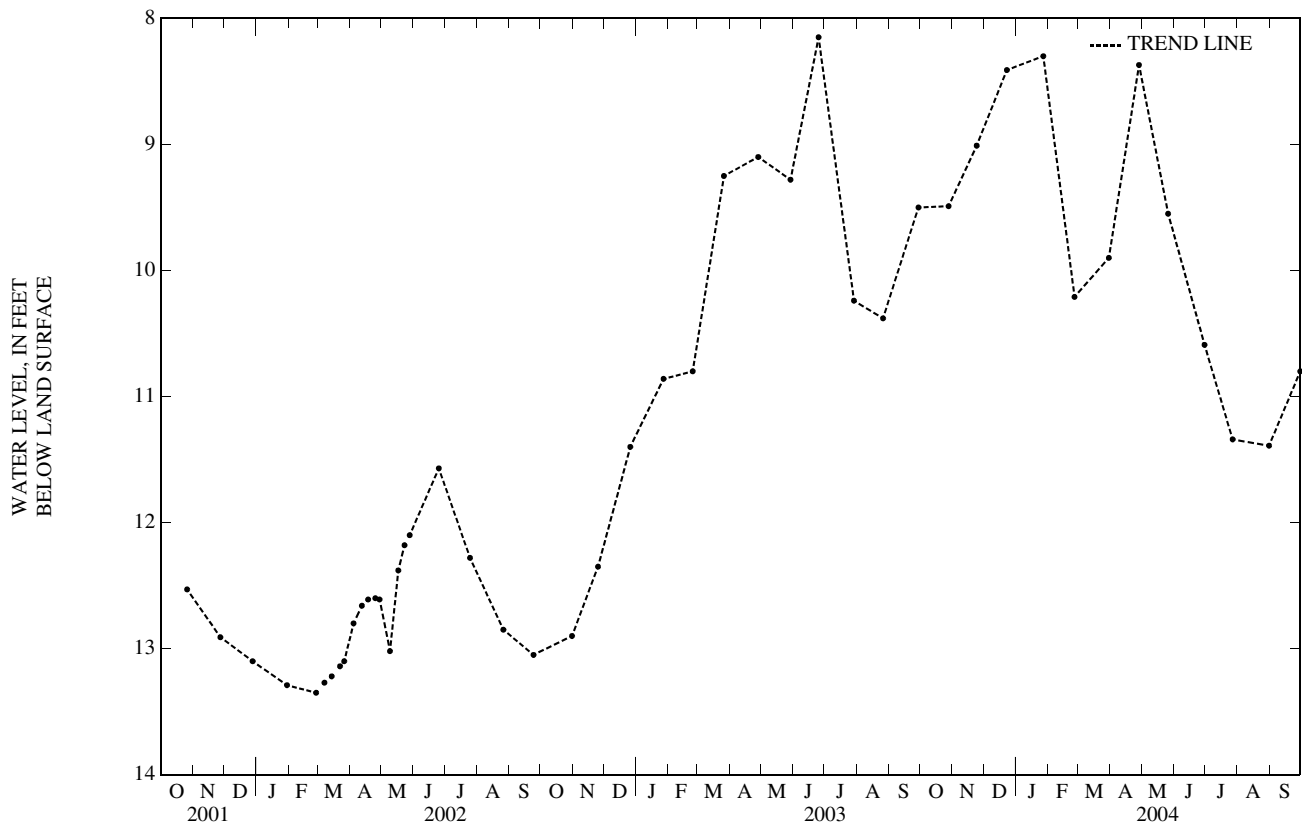
PERIOD OF RECORD.--October 1934 to September 1939 and October 1948 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.49	DEC 23	8.41	FEB 26	10.21	APR 28	8.37	JUN 30	10.59	AUG 31	11.39
NOV 24	9.01	JAN 27	8.30	MAR 30	9.90	MAY 26	9.55	JUL 27	11.34	SEP 30	10.80

WATER YEAR 2004 HIGHEST 8.30 JAN 27, 2004 LOWEST 11.39 AUG 31, 2004



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.

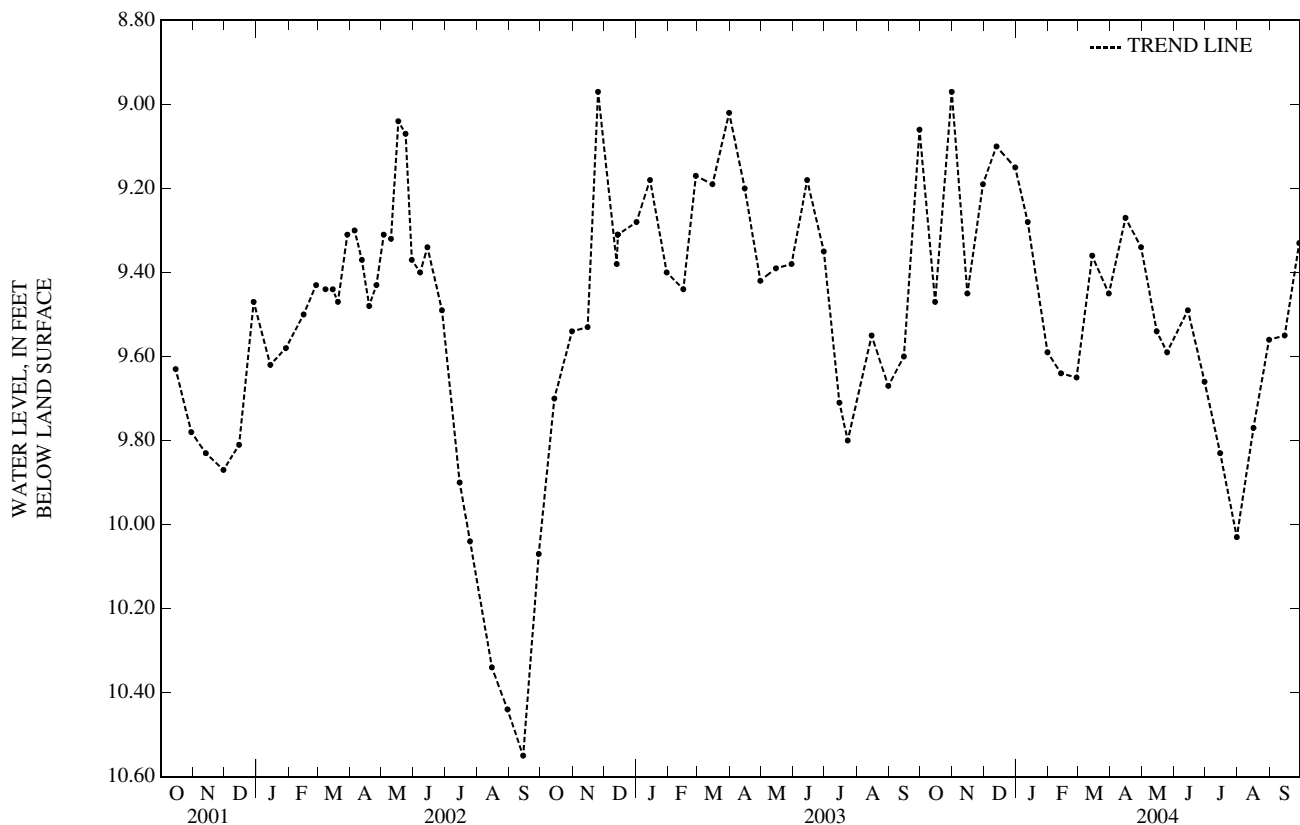
PERIOD OF RECORD.--August 1958 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	9.47	DEC 13	9.10	FEB 13	9.64	APR 15	9.27	JUN 14	9.49	AUG 16	9.77
31	8.97	31	9.15	28	9.65	30	9.34	30	9.66	31	9.56
NOV 15	9.45	JAN 12	9.28	MAR 14	9.36	MAY 15	9.54	JUL 15	9.83	SEP 15	9.55
30	9.19	31	9.59	30	9.45	25	9.59	31	10.03	29	9.33

WATER YEAR 2004 HIGHEST 8.97 OCT 31, 2003 LOWEST 10.03 JUL 31, 2004



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 24.0 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.

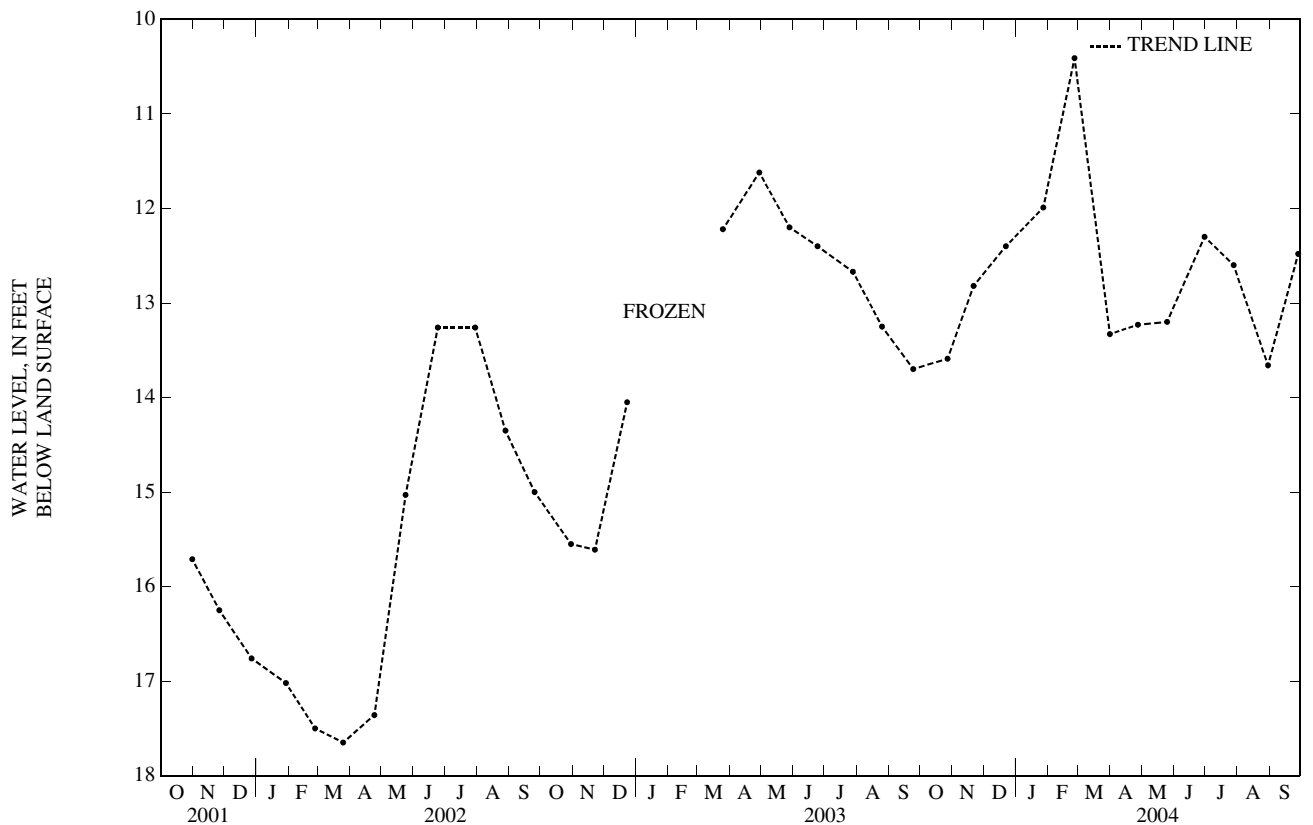
PERIOD OF RECORD.--December 1966 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	13.59	DEC 22	12.40	FEB 26	10.41	APR 27	13.23	JUN 30	12.30	AUG 30	13.66
NOV 21	12.82	JAN 27	11.99	MAR 31	13.33	MAY 25	13.20	JUL 28	12.60	SEP 28	12.48

WATER YEAR 2004 HIGHEST 10.41 FEB 26, 2004 LOWEST 13.66 AUG 30, 2004



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.

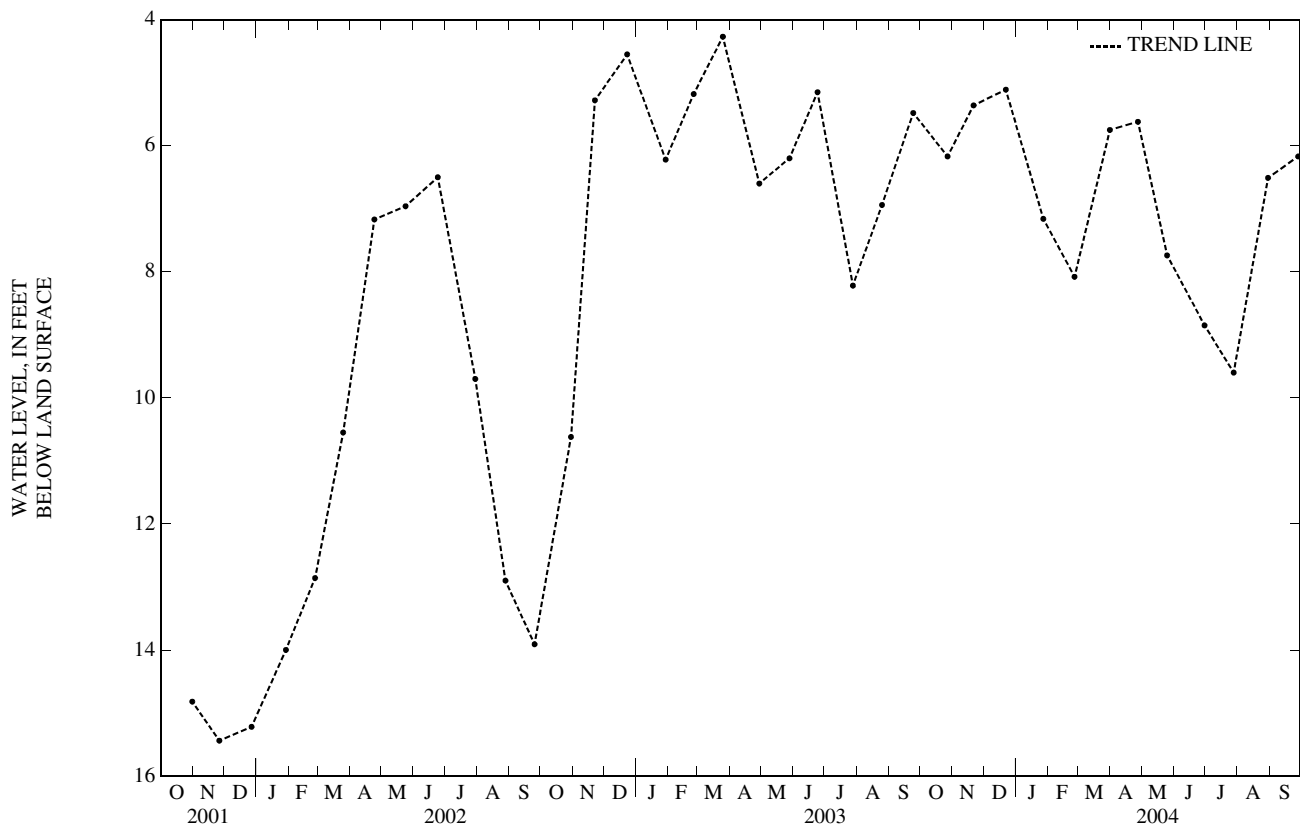
PERIOD OF RECORD.--December 1987 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	6.17	DEC 22	5.11	FEB 26	8.08	APR 27	5.62	JUN 30	8.85	AUG 30	6.51
NOV 21	5.36	JAN 27	7.16	MAR 31	5.75	MAY 25	7.74	JUL 28	9.60	SEP 28	6.17

WATER YEAR 2004 HIGHEST 5.11 DEC 22, 2003 LOWEST 9.60 JUL 28, 2004



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.

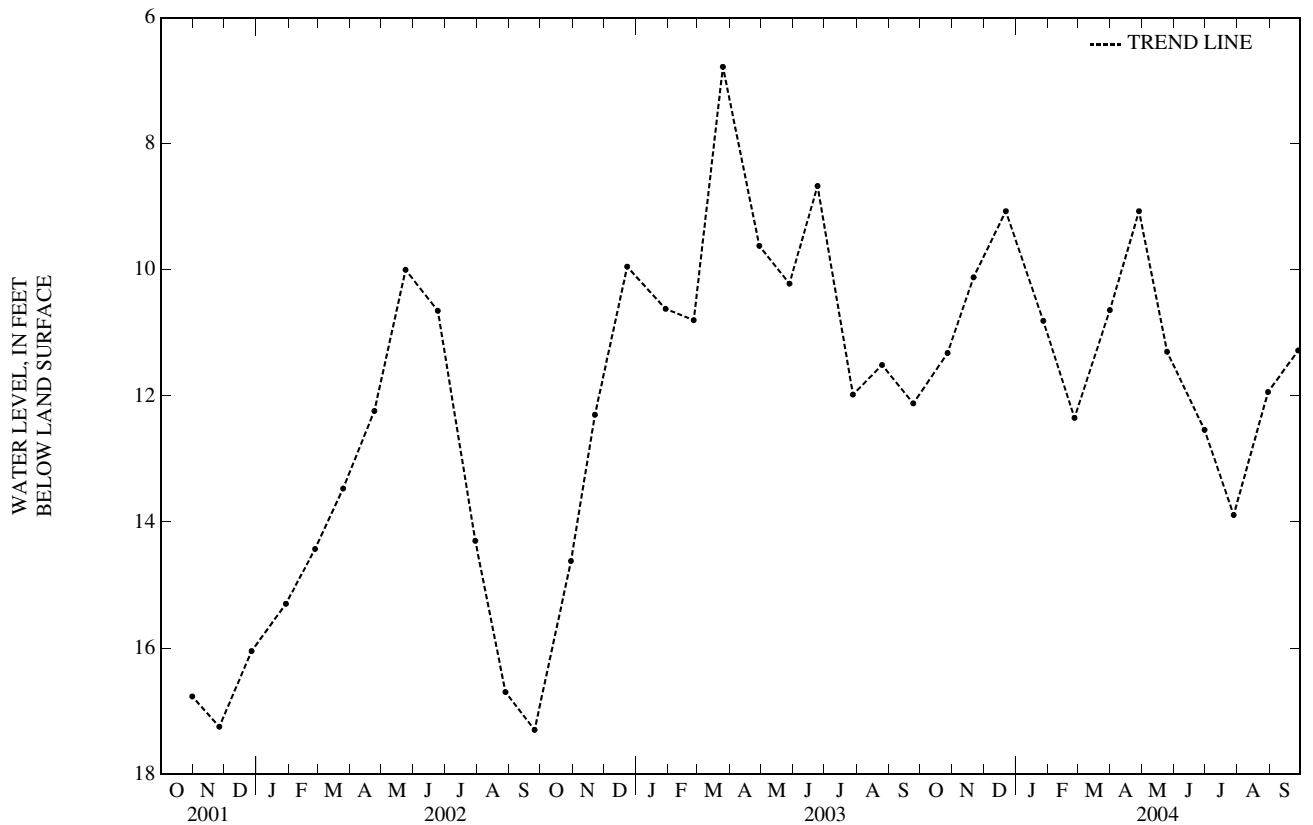
DATUM.--Elevation of land-surface datum is 815 ft above sea level, from topographic map. Measuring point: Top of PVC casing between hacksaw marks, 2.00 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	11.32	DEC 22	9.07	FEB 26	12.35	APR 28	9.07	JUN 30	12.54	AUG 30	11.94
NOV 21	10.12	JAN 27	10.81	MAR 31	10.64	MAY 25	11.30	JUL 28	13.89	SEP 28	11.28
WATER YEAR 2004		HIGHEST	9.07 DEC 22, 2003	APR 28, 2004	LOWEST	13.89 JUL 28, 2004					



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 2004. Monthly measurements made by USGS personnel; weekly measurements made by observers.

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, but there is a lack of documentation of measuring-point height for this time period.

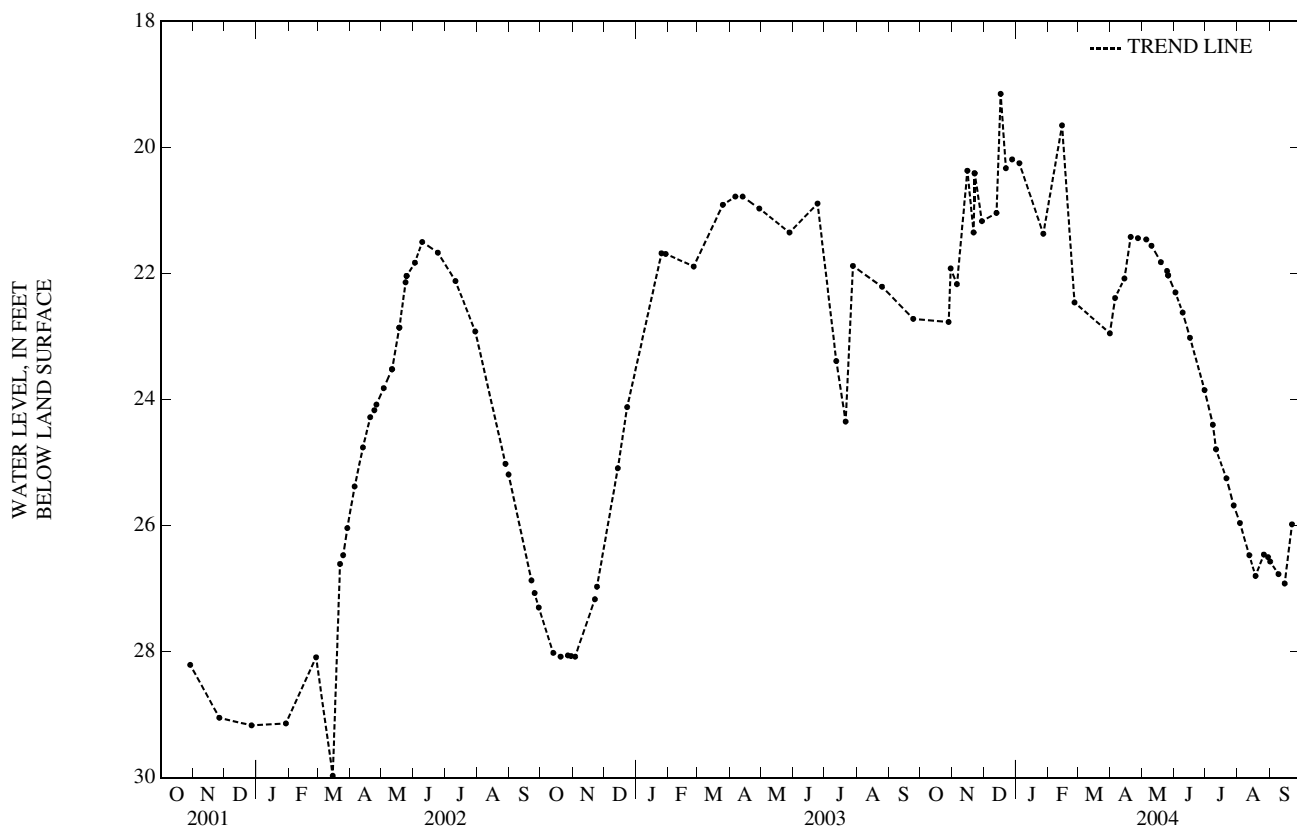
PERIOD OF RECORD.--October 1913 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, Apr. 26, 1983; lowest water level measured, 33.50 ft below land-surface datum, Oct. 10, 1914.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	22.77	DEC 17	19.15	APR 05	22.39	MAY 26	22.03	JUL 28	25.68	SEP 15	26.92
30	21.92	22	20.33	14	22.08	JUN 02	22.30	AUG 03	25.96	22	25.98
NOV 05	22.17	28	20.19	20	21.42	09	22.62	12	26.47	30	25.91
15	20.37	JAN 04	20.25	27	21.44	16	23.02	18	26.80		
21	21.35	27	21.37	MAY 05	21.46	30	23.85	26	26.46		
22	20.41	FEB 14	19.65	10	21.56	JUL 08	24.40	30	26.50		
29	21.17	26	22.46	19	21.82	11	24.79	SEP 01	26.57		
DEC 13	21.04	MAR 31	22.95	25	21.96	21	25.25	09	26.77		

WATER YEAR 2004 HIGHEST 19.15 DEC 17, 2003 LOWEST 26.92 SEP 15, 2004



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.

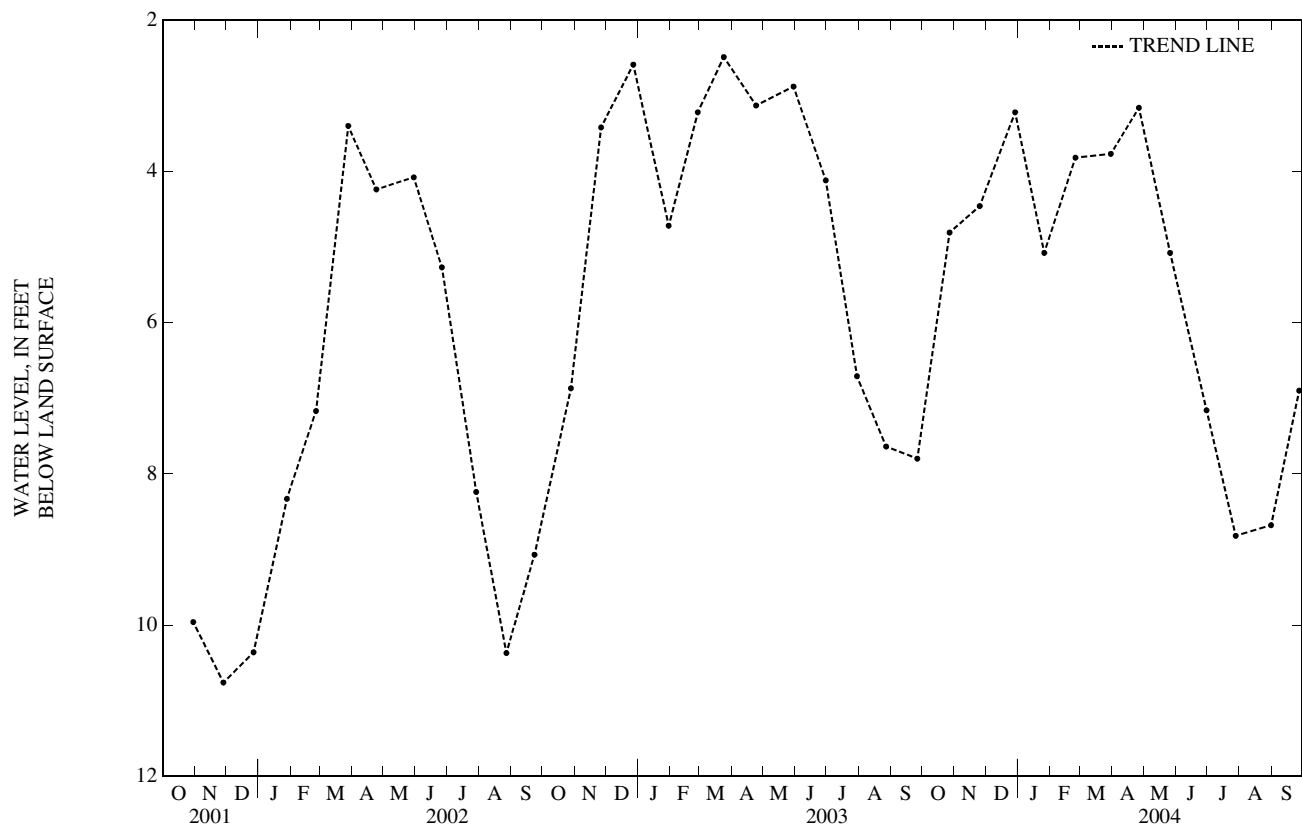
PERIOD OF RECORD.-- October 1991 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	4.81	DEC 29	3.22	FEB 25	3.82	APR 26	3.16	JUN 30	7.16	AUG 31	8.68
NOV 25	4.46	JAN 26	5.08	MAR 30	3.77	MAY 26	5.08	JUL 28	8.82	SEP 27	6.90

WATER YEAR 2004 HIGHEST 3.16 APR 26, 2004 LOWEST 8.82 JUL 28, 2004



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.

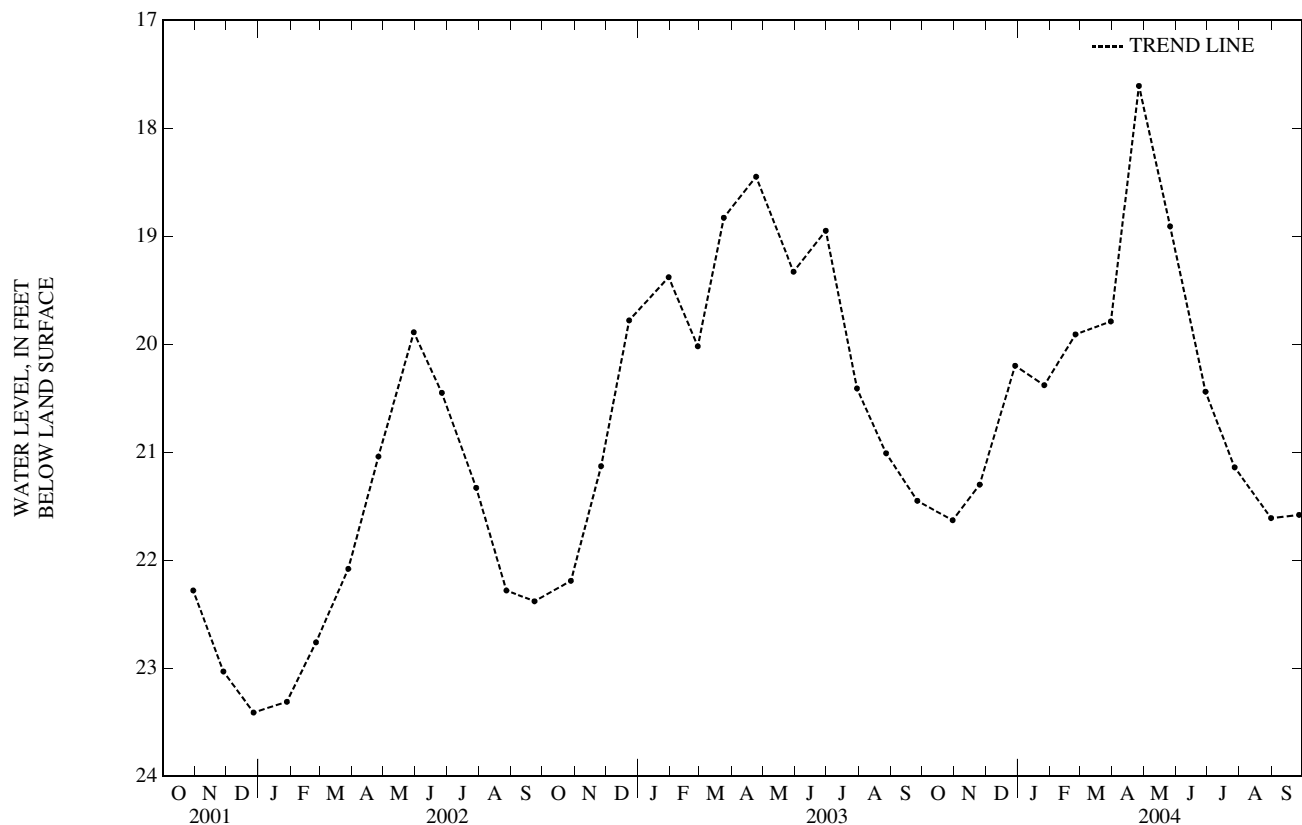
PERIOD OF RECORD.-- October 1991 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	21.63	DEC 29	20.20	FEB 25	19.91	APR 26	17.61	JUN 29	20.44	AUG 31	21.61
NOV 25	21.30	JAN 26	20.38	MAR 30	19.79	MAY 26	18.91	JUL 27	21.14	SEP 27	21.58

WATER YEAR 2004 HIGHEST 17.61 APR 26, 2004 LOWEST 21.63 OCT 30, 2003



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.

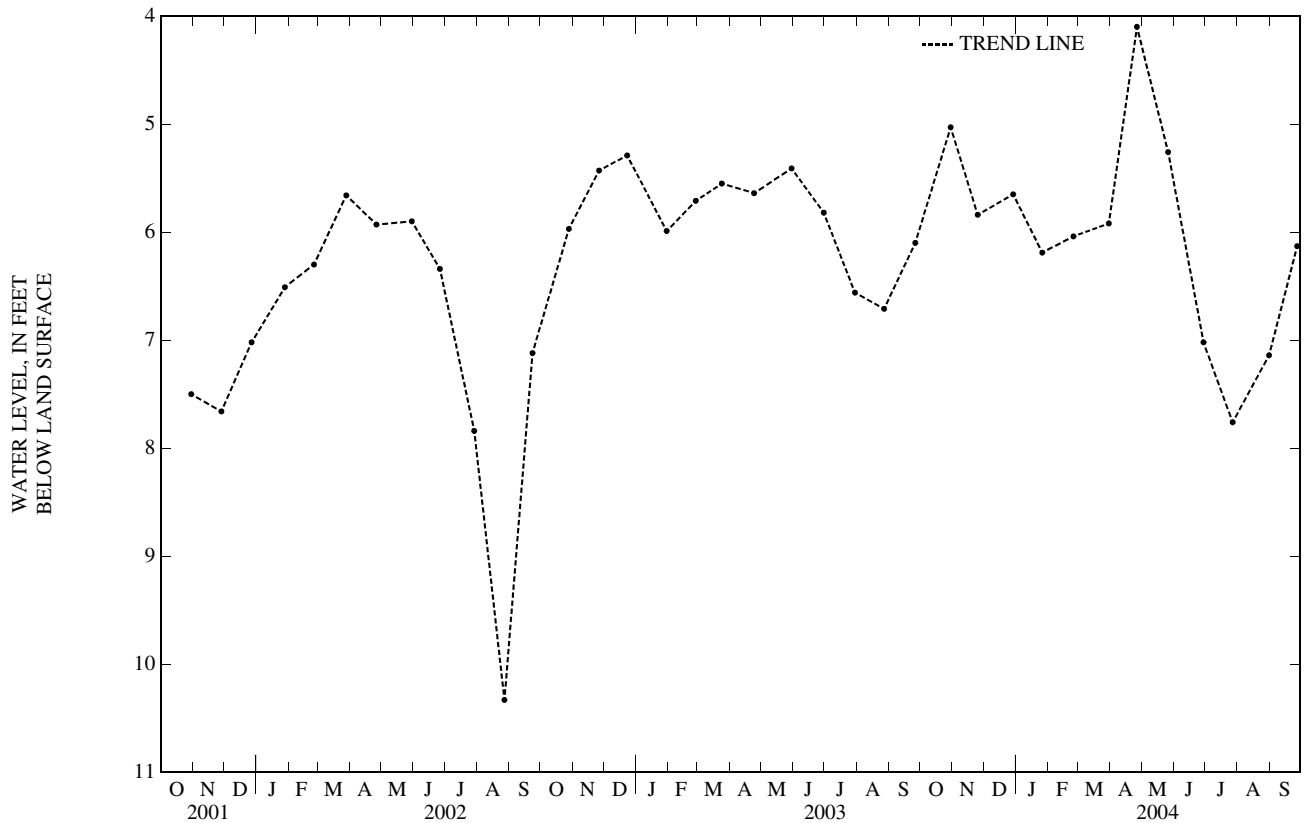
DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.88 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.03	DEC 29	5.65	FEB 25	6.04	APR 26	4.10	JUN 29	7.02	AUG 31	7.14
NOV 25	5.84	JAN 26	6.19	MAR 30	5.92	MAY 26	5.26	JUL 27	7.76	SEP 27	6.13
WATER YEAR 2004		HIGHEST	4.10	APR 26, 2004	LOWEST	7.76	JUL 27, 2004				



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 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.

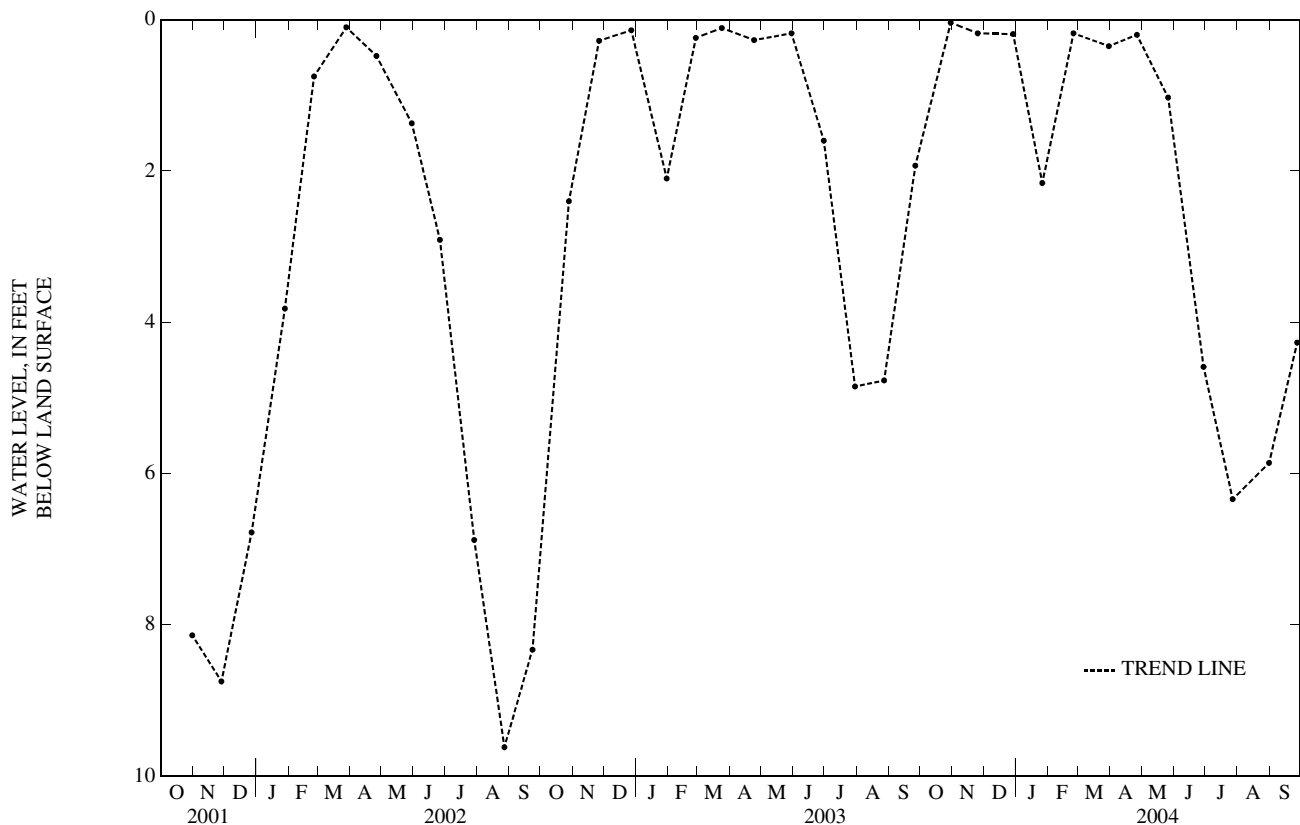
PERIOD OF RECORD.--January 1986 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	.04	DEC 29	.19	FEB 25	.18	APR 26	.20	JUN 29	4.59	AUG 31	5.86
NOV 25	.18	JAN 26	2.16	MAR 30	.35	MAY 26	1.03	JUL 27	6.34	SEP 27	4.27

WATER YEAR 2004 HIGHEST .04 OCT 30, 2003 LOWEST 6.34 JUL 27, 2004



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 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.

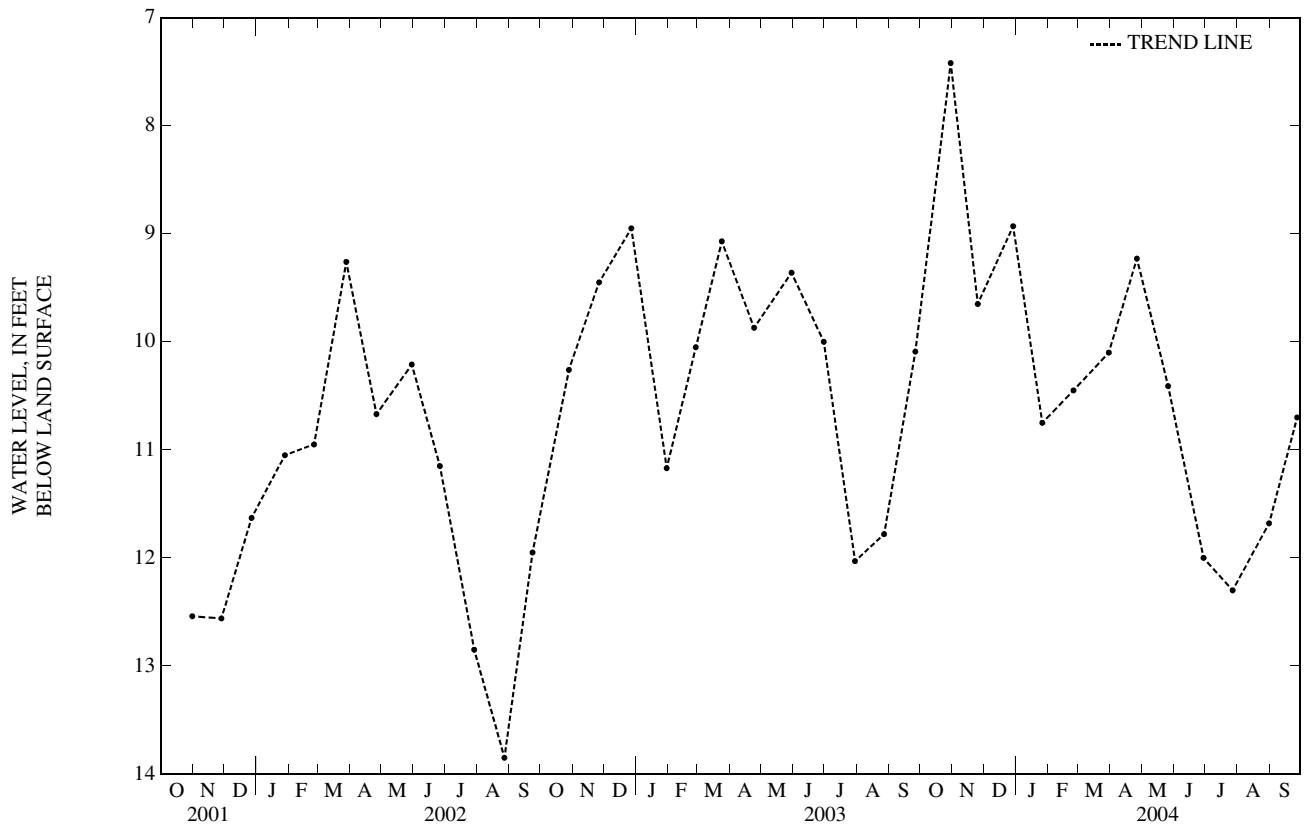
PERIOD OF RECORD.--January 1986 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	7.42	DEC 29	8.93	FEB 25	10.45	APR 26	9.23	JUN 29	12.00	AUG 31	11.68
NOV 25	9.65	JAN 26	10.75	MAR 30	10.10	MAY 26	10.41	JUL 27	12.30	SEP 27	10.70

WATER YEAR 2004 HIGHEST 7.42 OCT 30, 2003 LOWEST 12.30 JUL 27, 2004



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.

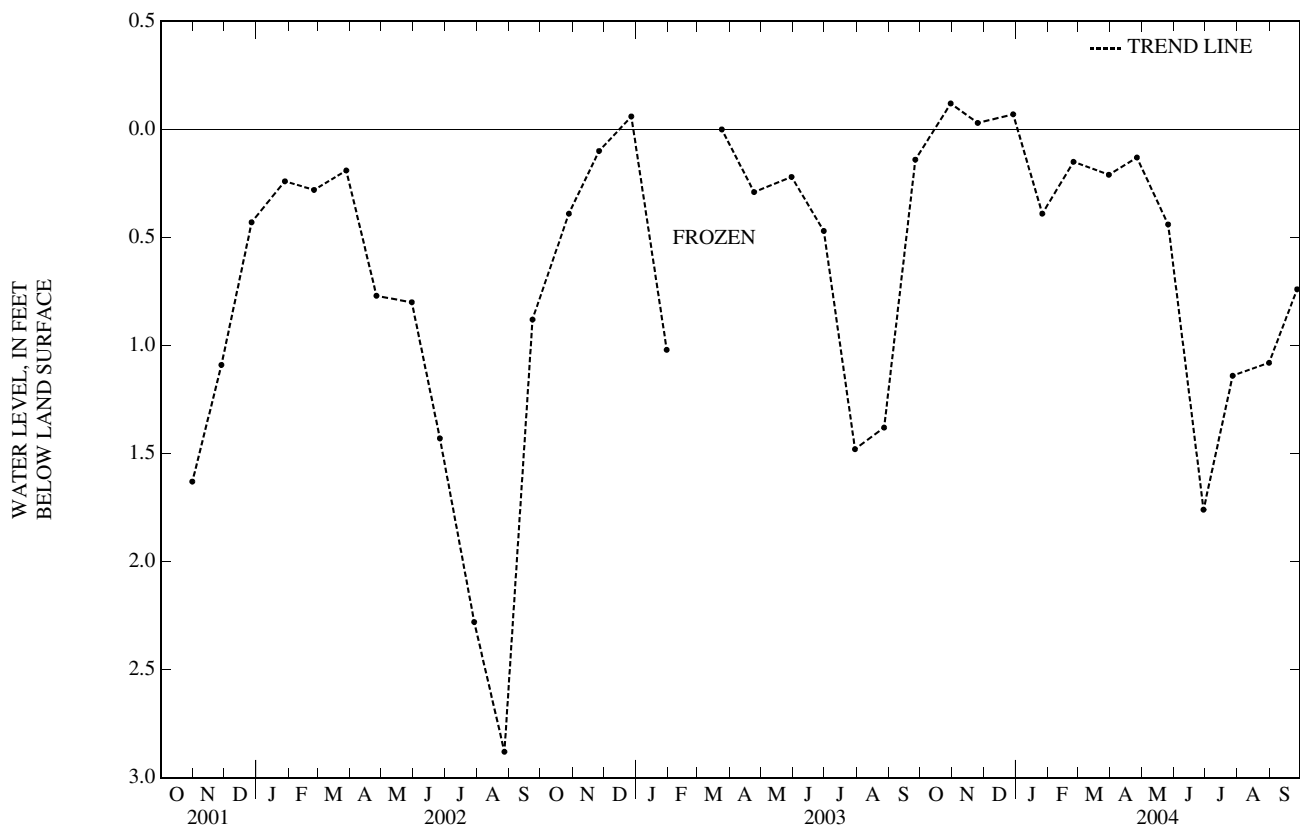
REMARKS.--Shallow, southern well of pair.

PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.12 ft above land-surface datum, Oct. 30, 2003; 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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	+0.12	DEC 29	+0.07	FEB 25	.15	APR 26	.13	JUN 29	1.76	AUG 31	1.08
NOV 25	+0.03	JAN 26	.39	MAR 30	.21	MAY 26	.44	JUL 27	1.14	SEP 27	.74
WATER YEAR 2004		HIGHEST	+0.12	OCT 30, 2003	LOWEST	1.76	JUN 29, 2004				



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.

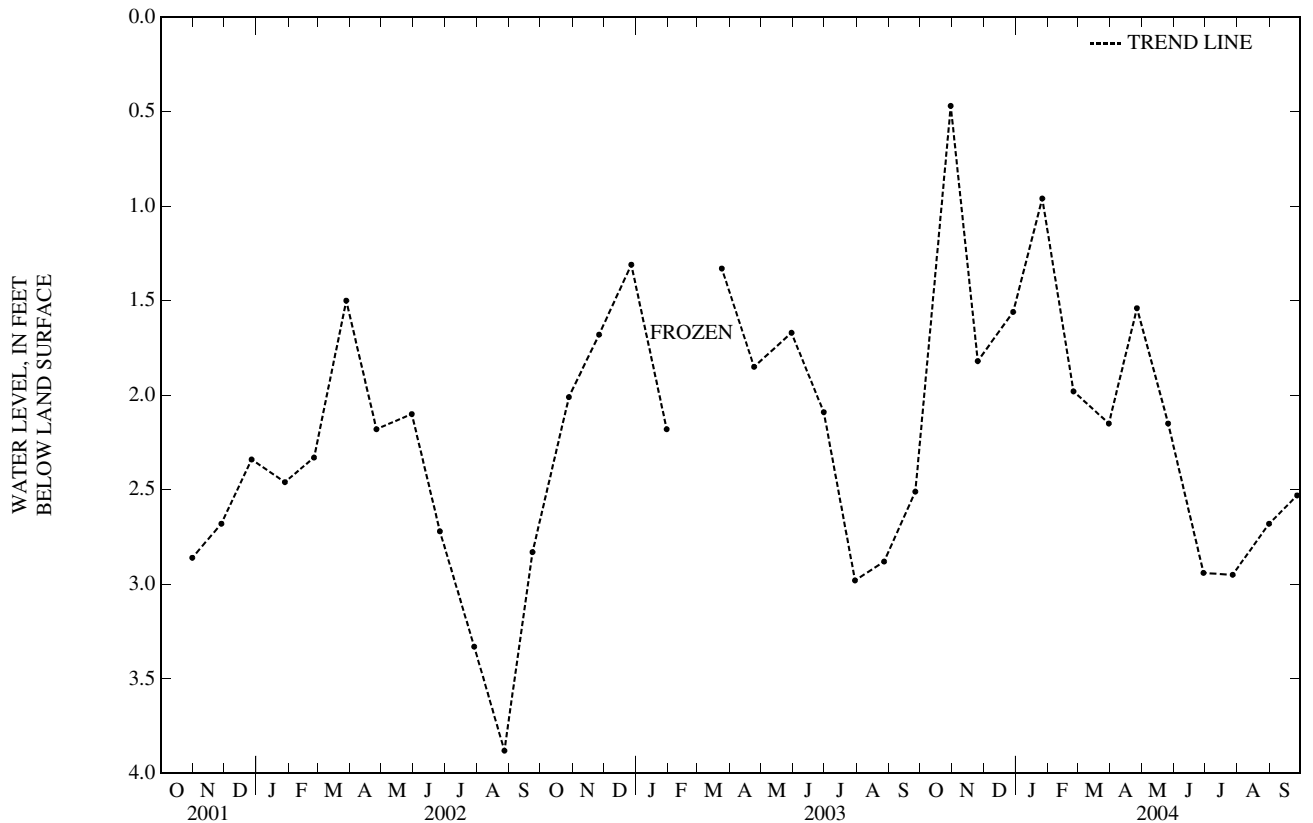
REMARKS.--Deep, northern well of pair.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	.47	DEC 29	1.56	FEB 25	1.98	APR 26	1.54	JUN 29	2.94	AUG 31	2.68
NOV 25	1.82	JAN 26	.96	MAR 30	2.15	MAY 26	2.15	JUL 27	2.95	SEP 27	2.53
WATER YEAR 2004		HIGHEST	.47	OCT 30, 2003	LOWEST	2.95	JUL 27, 2004				



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.

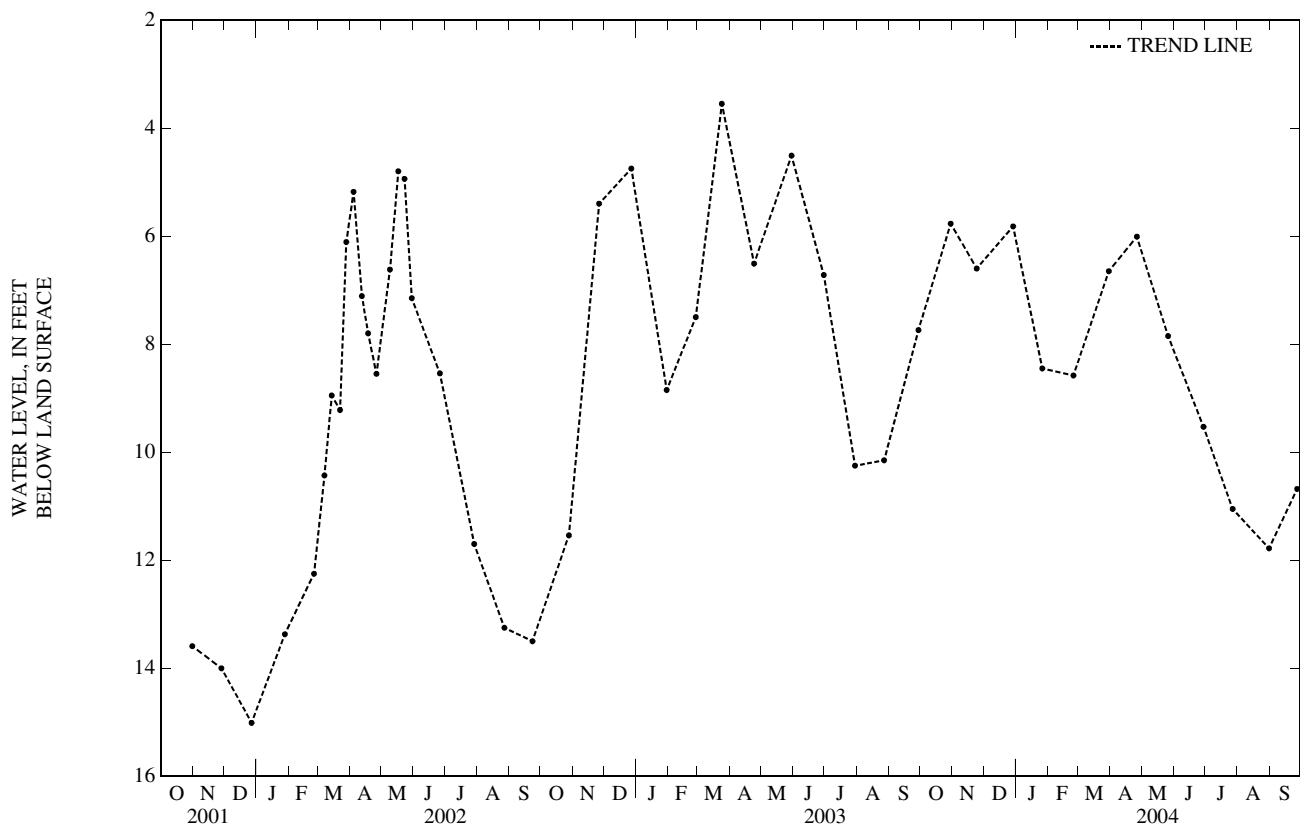
PERIOD OF RECORD.--July 1946 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.77	DEC 29	5.82	FEB 25	8.58	APR 26	6.01	JUN 29	9.53	AUG 31	11.78
NOV 24	6.60	JAN 26	8.45	MAR 30	6.65	MAY 26	7.85	JUL 27	11.05	SEP 27	10.68

WATER YEAR 2004 HIGHEST 5.77 OCT 30, 2003 LOWEST 11.78 AUG 31, 2004



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 27.6 ft, fieldstone-lined. Well modified on October 24, 1995. A 2-inch PVC well casing was installed with slotted screen 21.2 to 26.2 feet. As a result, well depth decreased to 26.2 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. Measurements suspended since March 2004 because of new security regulations at the well site. 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.

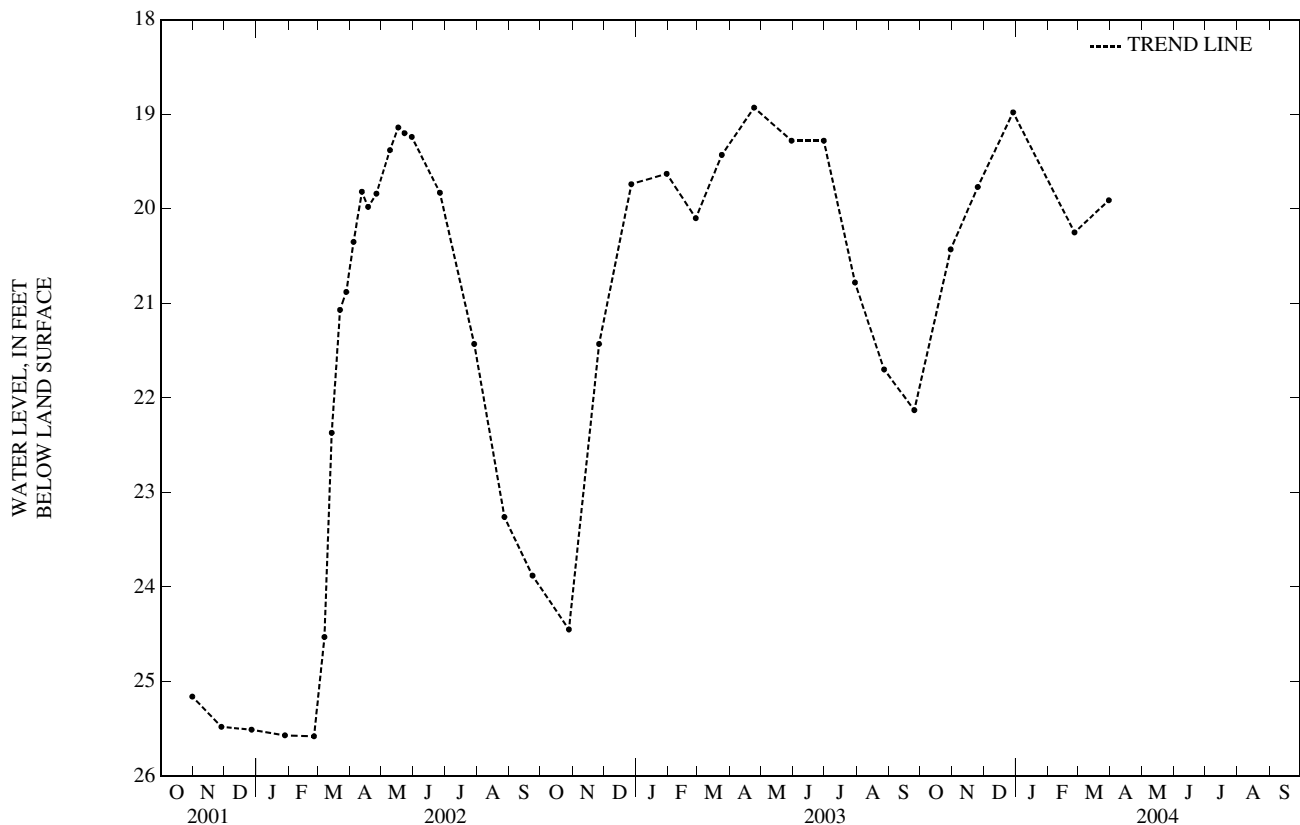
REMARKS.--Correction factor of 2.63 ft applied to measurements to correct to former land-surface elevation prior to modification on October 24, 1995

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 26.2 ft below land-surface datum) on Nov. 1 and Dec. 2, 1957; Nov. 25, 1964; Oct. 31, 1986; and Oct. 17, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	20.43	NOV 25	19.77	DEC 29	18.98	FEB 26	20.25	MAR 30	19.91
WATER YEAR 2004 HIGHEST 18.98 DEC 29, 2003 LOWEST 20.43 OCT 30, 2003									



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, PVC casing (0-12 ft), depth 36.35 ft, 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.

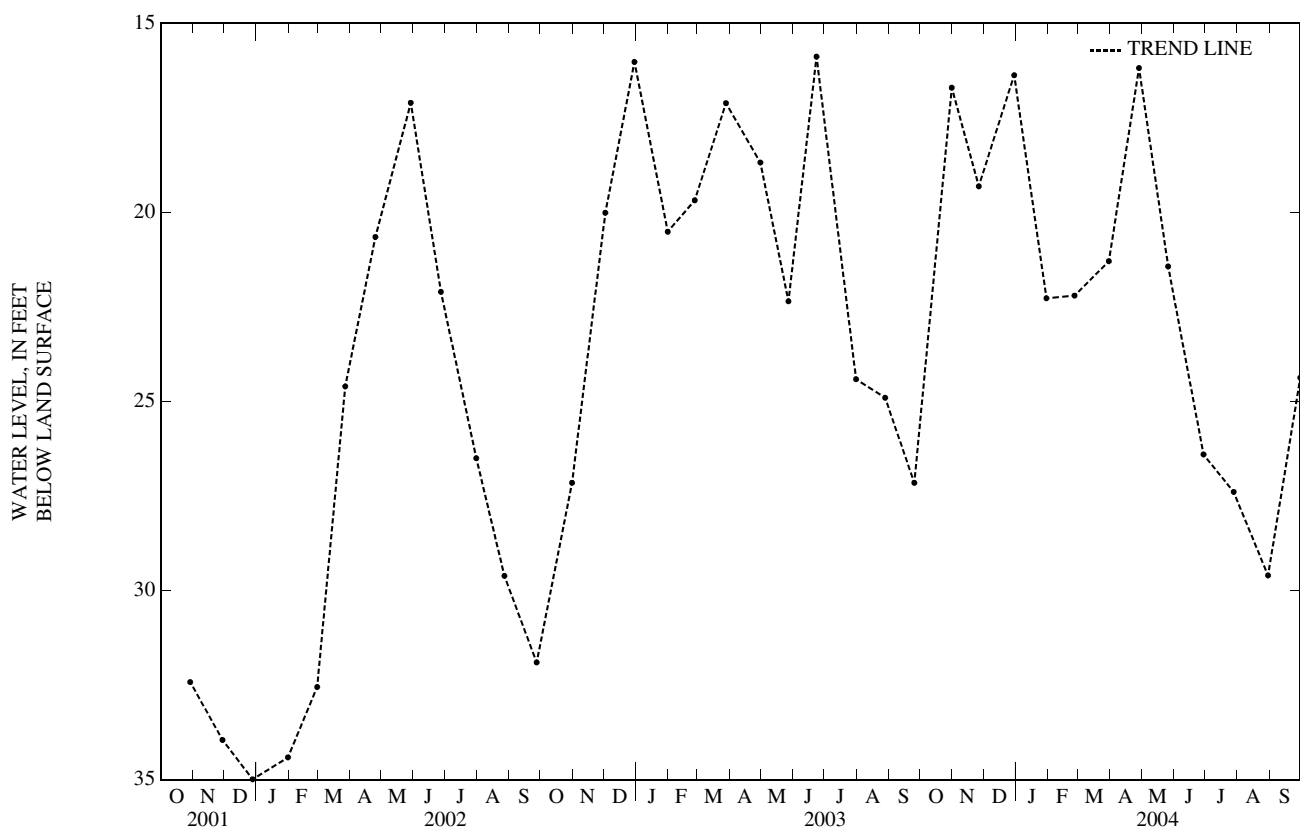
REMARKS.--Water level records missing from May 1996 through May 1997.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	16.70	DEC 30	16.37	FEB 26	22.20	APR 28	16.18	JUN 29	26.40	AUG 30	29.60
NOV 26	19.31	JAN 30	22.27	MAR 30	21.29	MAY 26	21.43	JUL 28	27.39	SEP 30	24.37
WATER YEAR 2004 HIGHEST 16.18 APR 28, 2004 LOWEST 29.60 AUG 30, 2004											



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.

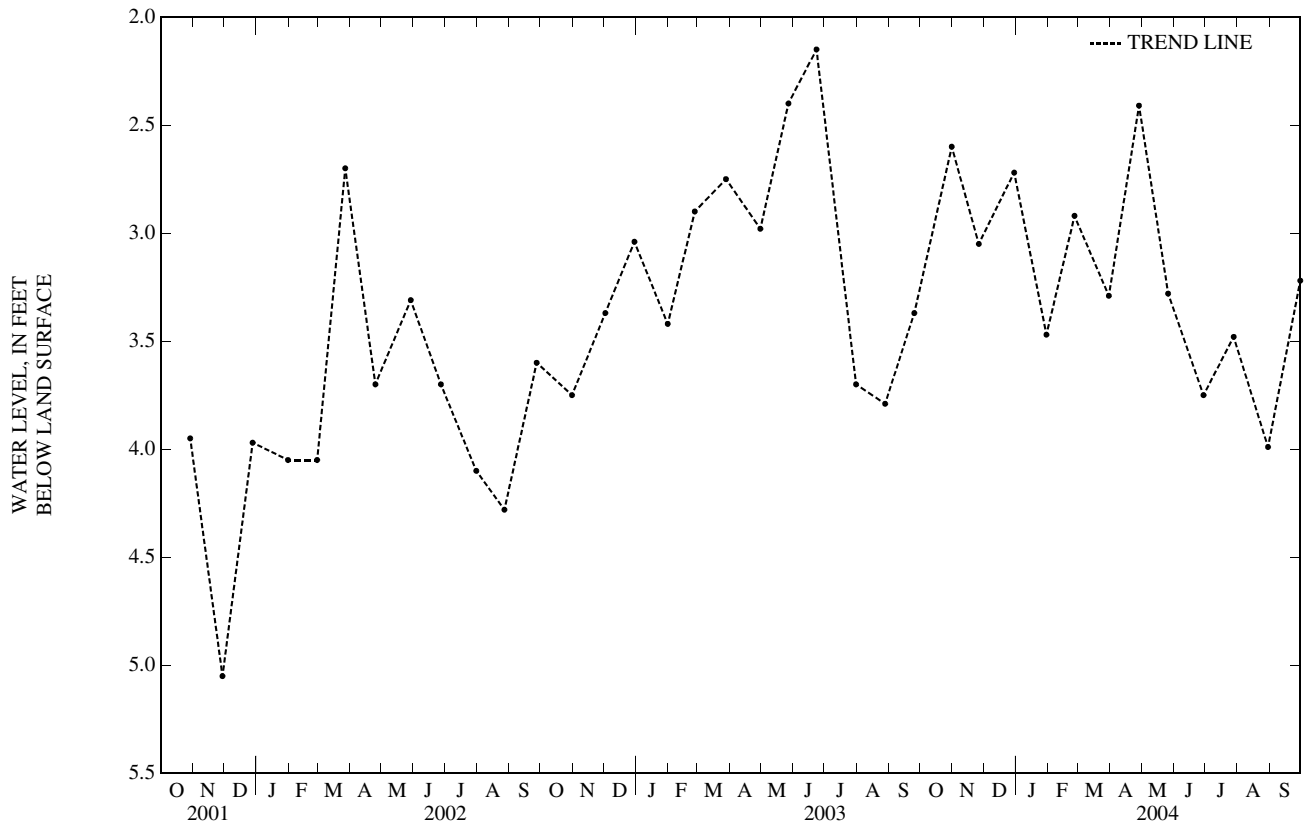
REMARKS.--Northern, shallow well of pair. Water level records missing from May 1996 through May 1997.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.60	DEC 30	2.72	FEB 26	2.92	APR 28	2.41	JUN 29	3.75	AUG 30	3.99
NOV 26	3.05	JAN 30	3.47	MAR 30	3.29	MAY 26	3.28	JUL 28	3.48	SEP 30	3.22
WATER YEAR 2004 HIGHEST 2.41 APR 28, 2004 LOWEST 3.99 AUG 30, 2004											



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.

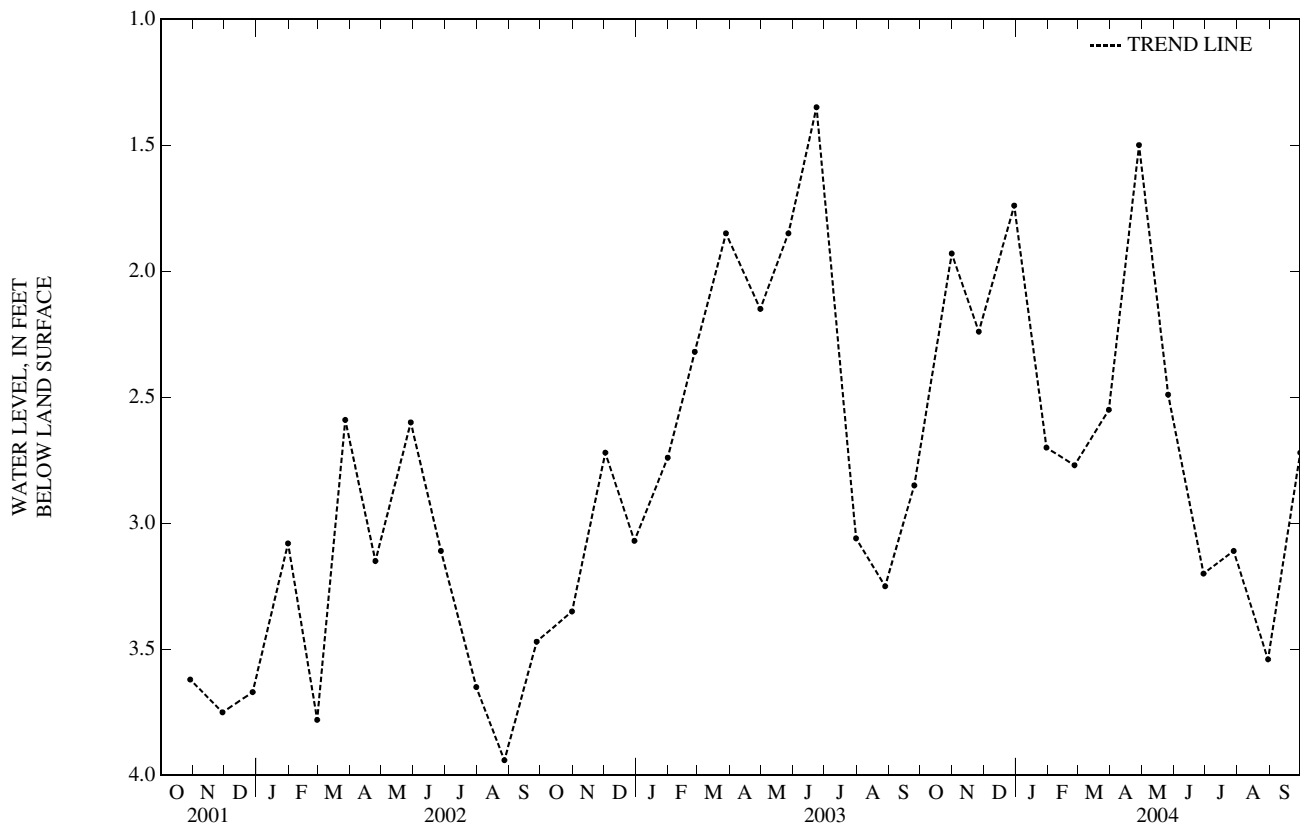
REMARKS.--Southern, deeper well of pair. Water level records missing from May 1996 through May 1997.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	1.93	DEC 30	1.74	FEB 26	2.77	APR 28	1.50	JUN 29	3.20	AUG 30	3.54
NOV 26	2.24	JAN 30	2.70	MAR 30	2.55	MAY 26	2.49	JUL 28	3.11	SEP 30	2.72
WATER YEAR 2004 HIGHEST 1.50 APR 28, 2004 LOWEST 3.54 AUG 30, 2004											



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.

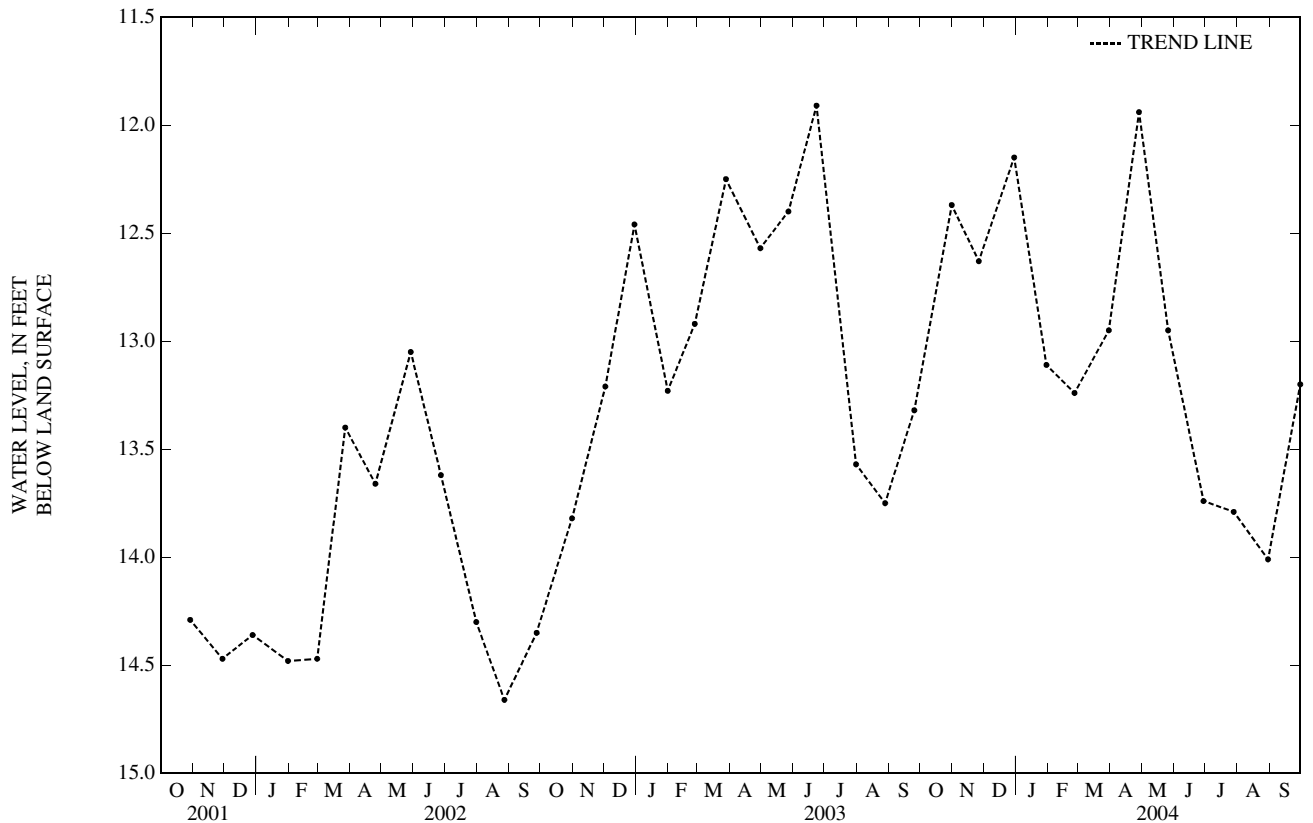
REMARKS.--Water level records missing from May 1996 through May 1997.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	12.37	DEC 30	12.15	FEB 26	13.24	APR 28	11.94	JUN 29	13.74	AUG 30	14.01
NOV 26	12.63	JAN 30	13.11	MAR 30	12.95	MAY 26	12.95	JUL 28	13.79	SEP 30	13.20
WATER YEAR 2004 HIGHEST 11.94 APR 28, 2004 LOWEST 14.01 AUG 30, 2004											



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.

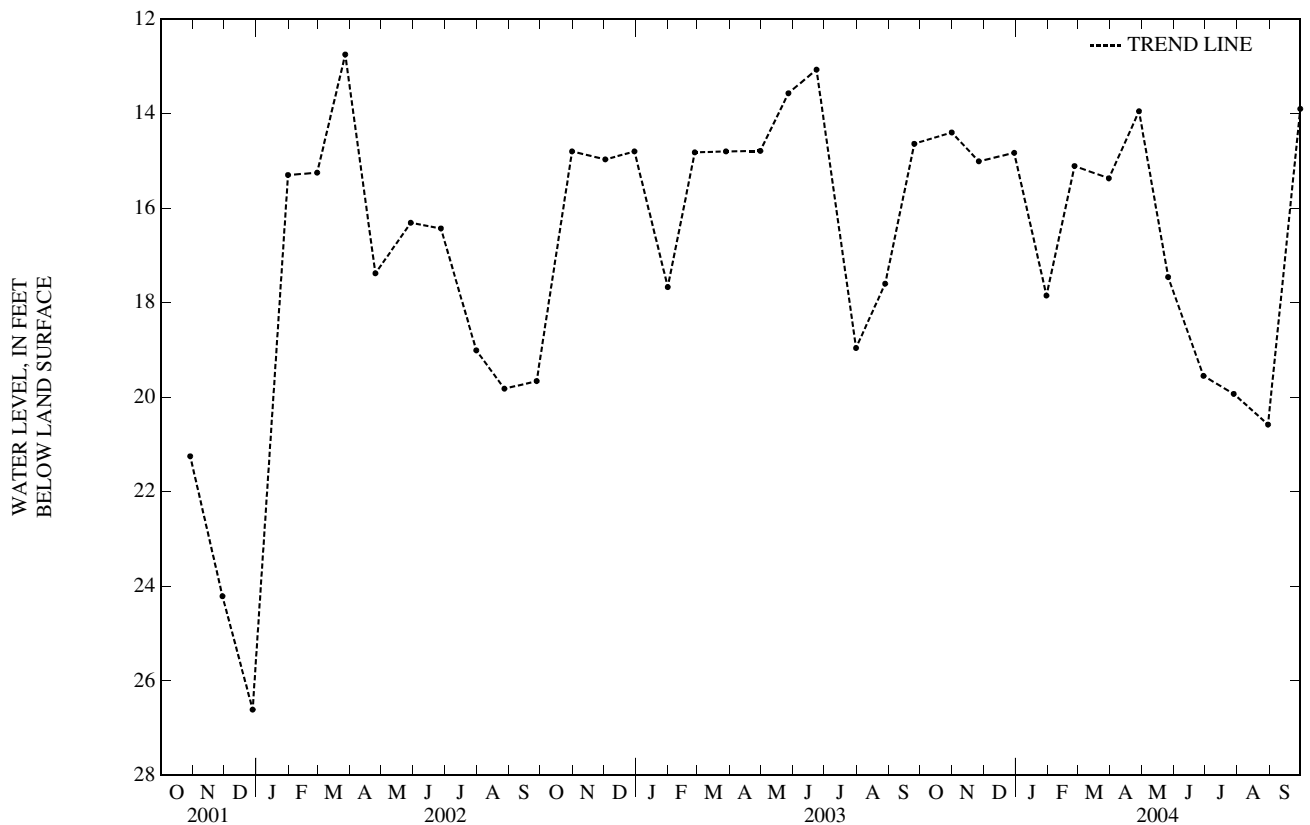
REMARKS.--Northern well of pair. Water level records missing from May 1996 through May 1997.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.40	DEC 30	14.83	FEB 26	15.11	APR 28	13.95	JUN 29	19.55	AUG 30	20.58
NOV 26	15.01	JAN 30	17.85	MAR 30	15.37	MAY 26	17.46	JUL 28	19.93	SEP 30	13.90
WATER YEAR 2004		HIGHEST	13.90	SEP 30, 2004	LOWEST	20.58	AUG 30, 2004				



GROUND-WATER LEVELS
NEW HAVEN COUNTY—Continued

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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.

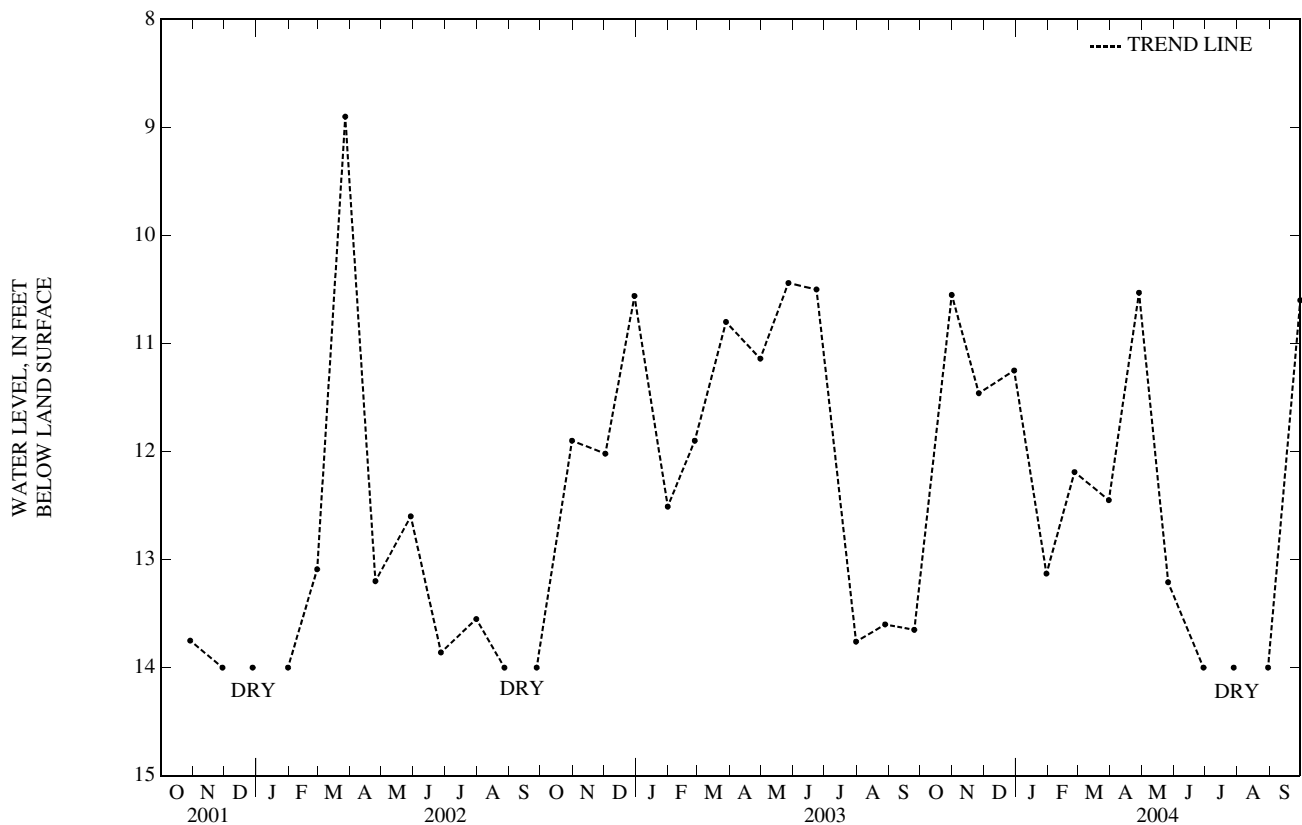
PERIOD OF RECORD.--January 1993 to current year.

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; June 29, 2004; July 28, 2004; Aug. 30, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	10.55	DEC 30	11.25	FEB 26	12.19	APR 28	10.53	JUN 29	DRY	AUG 30	DRY
NOV 26	11.46	JAN 30	13.13	MAR 30	12.45	MAY 26	13.21	JUL 28	DRY	SEP 30	10.60

WATER YEAR 2004 HIGHEST 10.53 APR 28, 2004 LOWEST DRY JUN 29, JUL 28, AUG 30, 2004



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.

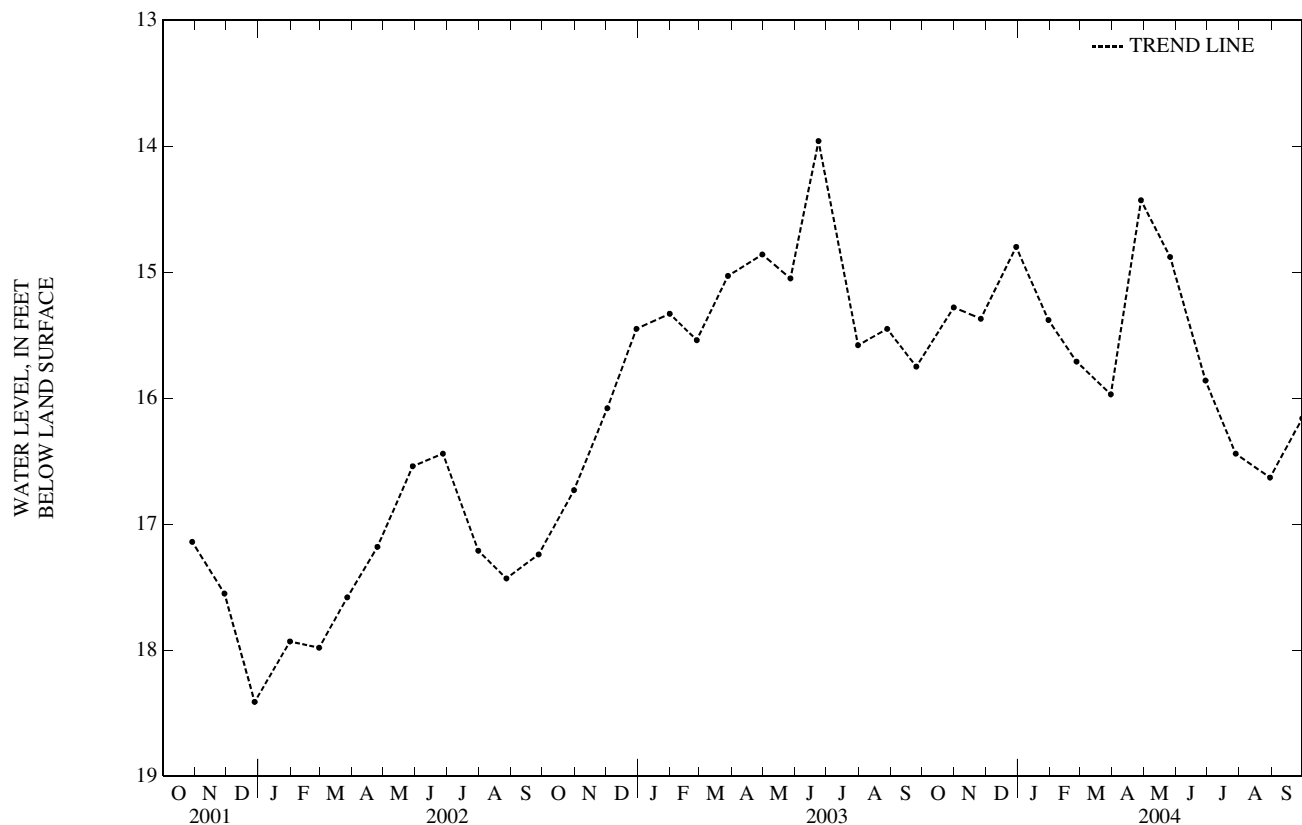
PERIOD OF RECORD.--September 1975 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	15.28	DEC 30	14.80	FEB 26	15.71	APR 28	14.43	JUN 29	15.86	AUG 30	16.63
NOV 26	15.37	JAN 30	15.38	MAR 30	15.97	MAY 26	14.88	JUL 28	16.44	SEP 30	16.16

WATER YEAR 2004 HIGHEST 14.43 APR 28, 2004 LOWEST 16.63 AUG 30, 2004



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 2004. Monthly measurements made by USGS personnel; weekly measurements made by 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.

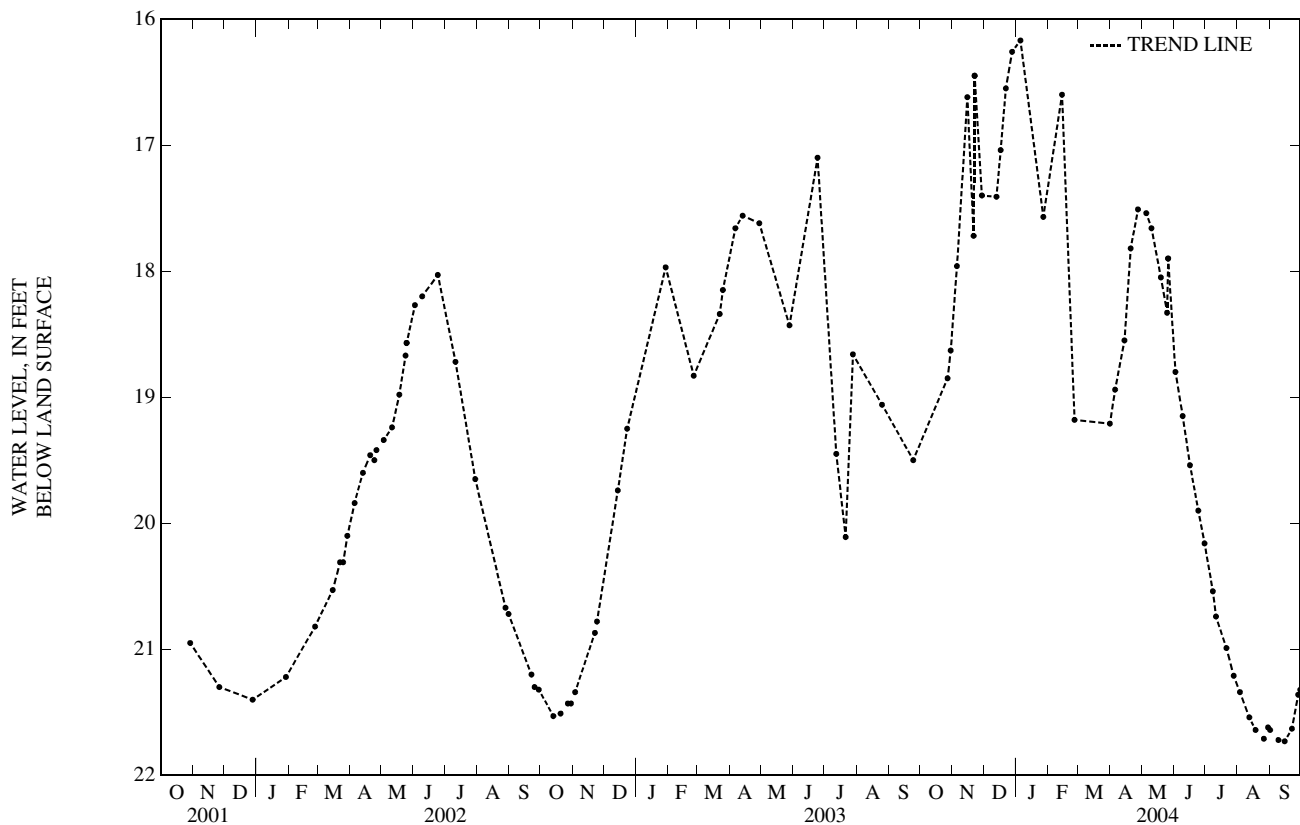
PERIOD OF RECORD.-- January 1979 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.85	DEC 17	17.04	APR 05	18.94	MAY 26	17.90	JUL 21	20.99	SEP 09	21.72
30	18.63	22	16.55	14	18.55	JUN 02	18.80	28	21.21	15	21.73
NOV 05	17.96	28	16.26	20	17.82	09	19.15	AUG 03	21.34	22	21.63
15	16.62	JAN 05	16.17	27	17.51	16	19.54	12	21.54	28	21.36
21	17.72	27	17.57	MAY 05	17.54	24	19.90	18	21.64	30	21.32
22	16.45	FEB 14	16.60	10	17.66	30	20.16	26	21.71		
29	17.40	26	19.18	19	18.05	JUL 08	20.54	30	21.62		
DEC 13	17.41	MAR 31	19.21	25	18.33	11	20.74	SEP 01	21.64		

WATER YEAR 2004 HIGHEST 16.17 JAN 05, 2004 LOWEST 21.73 SEP 15, 2004



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.

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 to September 2004. Monthly measurements made by USGS personnel; weekly measurements made by observers.

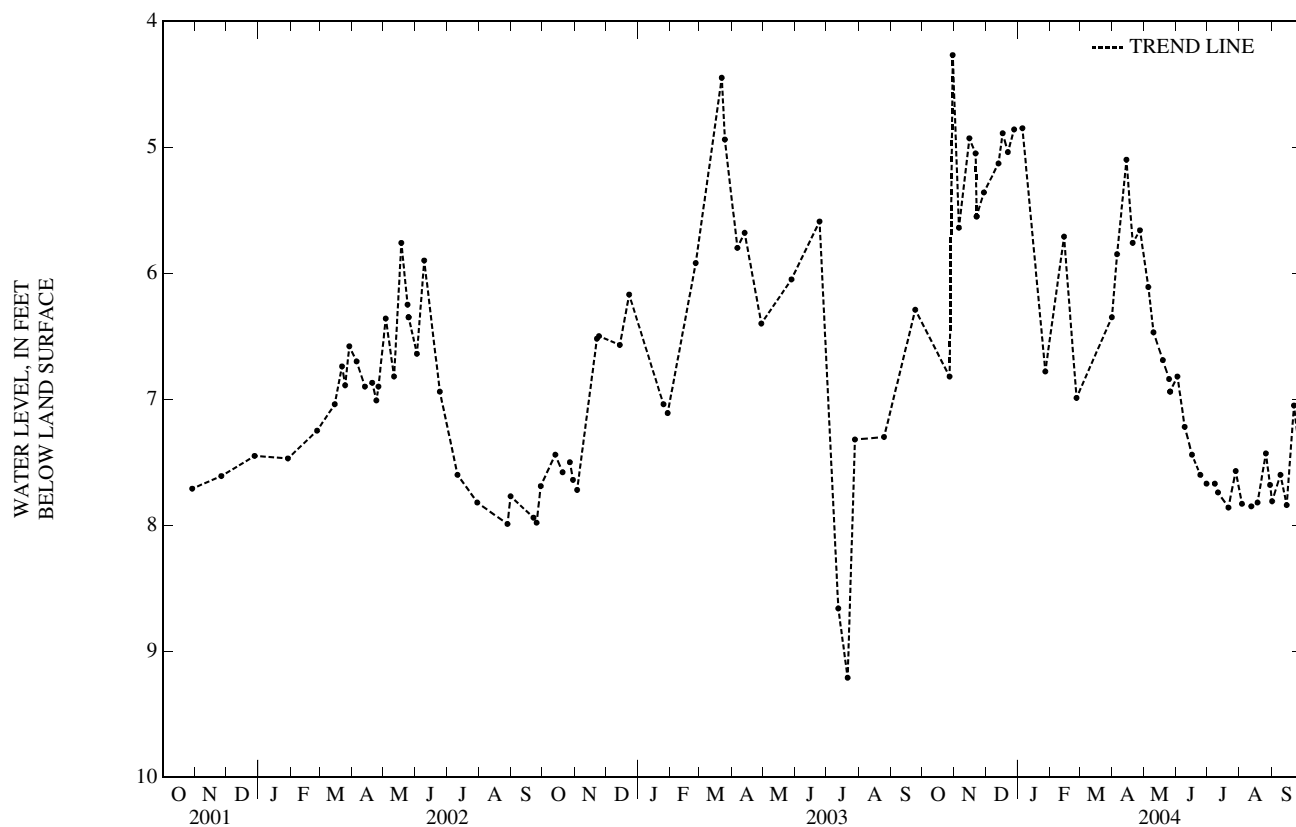
DATUM.--Elevation of land-surface datum is 185 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks. 1.63 ft above land-surface datum.

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.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	6.82	DEC 17	4.89	APR 05	5.85	MAY 26	6.94	JUL 21	7.86	SEP 09	7.60
30	4.27	22	5.04	14	5.10	JUN 02	6.82	28	7.57	15	7.84
NOV 05	5.64	28	4.86	20	5.76	09	7.22	AUG 03	7.83	22	7.05
15	4.93	JAN 05	4.85	27	5.66	16	7.44	12	7.85	28	7.48
21	5.05	27	6.78	MAY 05	6.11	24	7.60	18	7.82	30	6.54
22	5.55	FEB 14	5.71	10	6.47	30	7.67	26	7.43		
29	5.36	26	6.99	19	6.69	JUL 08	7.67	30	7.68		
DEC 13	5.13	MAR 31	6.35	25	6.84	11	7.74	SEP 01	7.81		

WATER YEAR 2004 HIGHEST 4.27 OCT 30, 2003 LOWEST 7.86 JUL 21, 2004



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 to September 2004. Monthly measurements made by USGS personnel; weekly measurements made by 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.

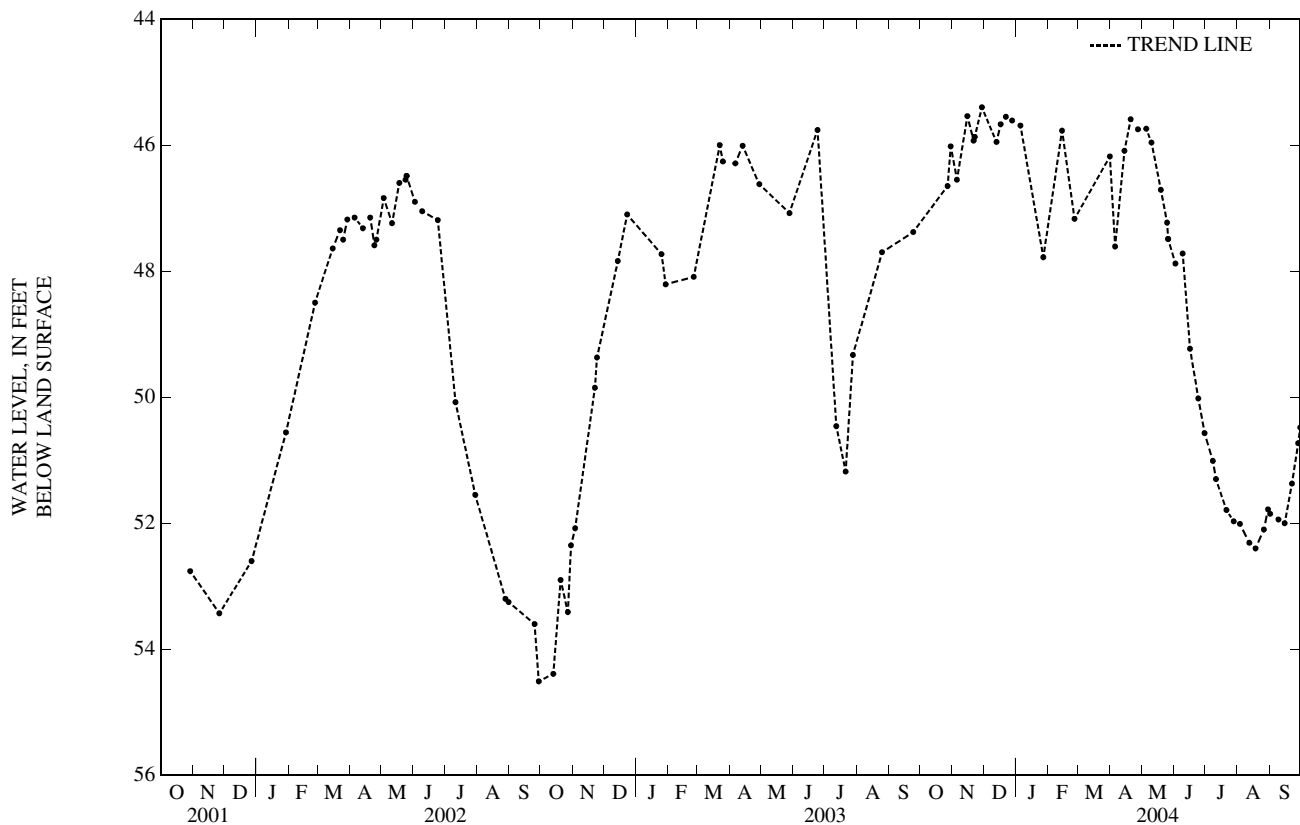
PERIOD OF RECORD.-- October 1991 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	46.65	DEC 17	45.67	APR 05	47.61	MAY 26	47.49	JUL 21	51.79	SEP 09	51.94
30	46.02	22	45.55	14	46.09	JUN 02	47.88	28	51.97	15	52.00
NOV 05	46.55	28	45.61	20	45.59	09	47.72	AUG 03	52.01	22	51.37
15	45.54	JAN 05	45.69	27	45.75	16	49.23	12	52.31	28	50.73
21	45.93	27	47.78	MAY 05	45.74	24	50.02	18	52.40	30	50.48
22	45.87	FEB 14	45.77	10	45.96	30	50.57	26	52.10		
29	45.40	26	47.17	19	46.71	JUL 08	51.01	30	51.78		
DEC 13	45.95	MAR 31	46.18	25	47.23	11	51.30	SEP 01	51.85		

WATER YEAR 2004 HIGHEST 45.40 NOV 29, 2003 LOWEST 52.40 AUG 18, 2004



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.

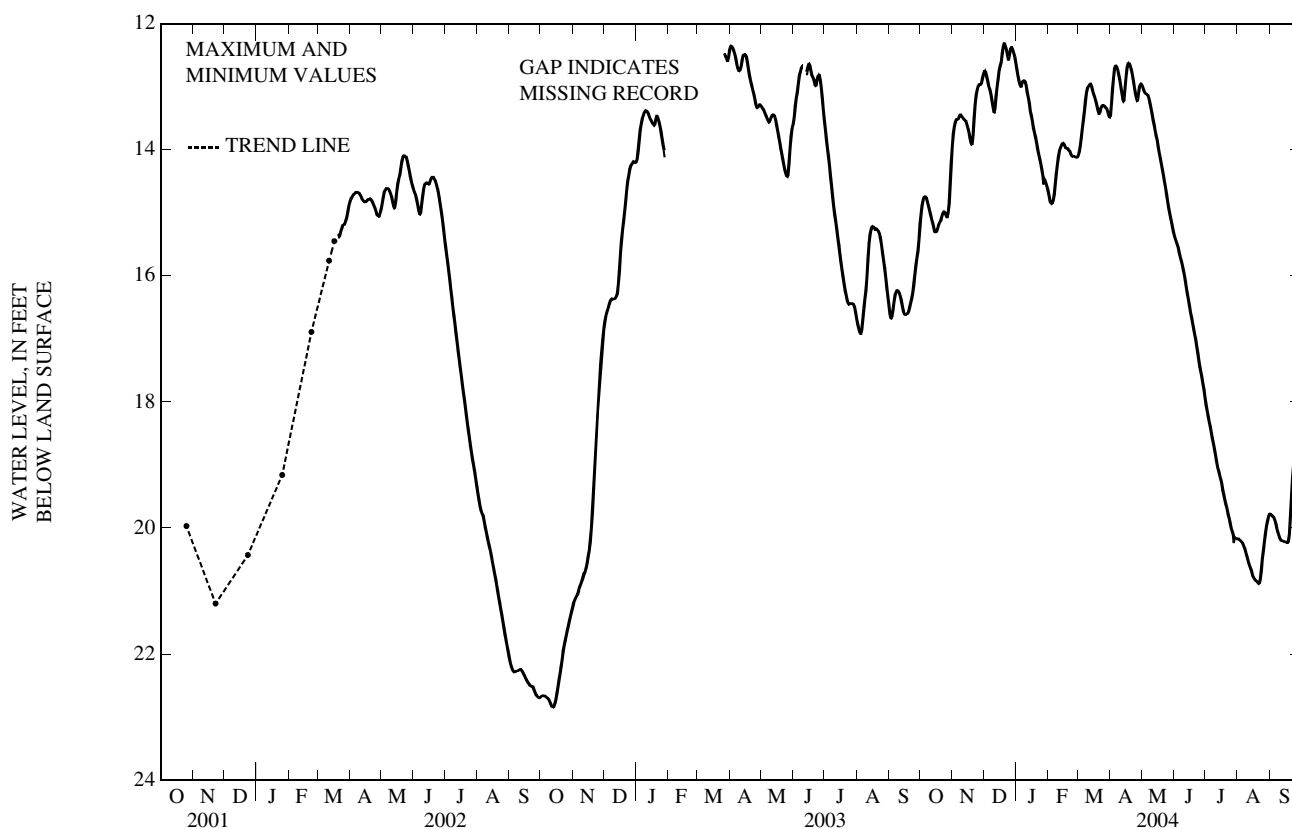
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 82 ft, PVC casing, well screened 77 to 82 ft.

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. Additional measurements made March to September 2002 due to drought conditions. Submersible pressure transducer/data logger installed Mar. 19, 2002, collects 1-hour water-level data. Data-collection platform satellite telemetry for transducer installed June 12, 2003. All measurements made by USGS personnel. Additional weekly measurements made by observers.

DATUM.--Elevation of land-surface datum is 465 ft above sea level, from topographic map. Measuring point: Top of steel protective casing, 1.20 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.82 ft below land-surface datum, Mar. 28, 1994; lowest water level measured, 24.09 ft below land-surface datum, Sept. 30, 1995.



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DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	15.22	15.02	13.94	13.75	12.80	12.75	12.72	12.62	14.73	14.65	14.10	14.04
2	15.02	14.88	13.75	13.63	12.76	12.75	12.82	12.72	14.82	14.73	14.04	13.94
3	14.88	14.80	13.63	13.56	12.83	12.76	12.90	12.82	14.85	14.82	13.94	13.80
4	14.80	14.75	13.56	13.52	12.91	12.83	12.97	12.90	14.86	14.85	13.80	13.66
5	14.75	14.74	13.52	13.52	12.99	12.91	13.00	12.97	14.85	14.81	13.66	13.53
6	14.76	14.74	13.52	13.51	13.04	12.99	13.00	12.94	14.81	14.71	13.53	13.38
7	14.82	14.76	13.51	13.46	13.11	13.04	12.94	12.91	14.71	14.54	13.38	13.22
8	14.88	14.82	13.46	13.44	13.21	13.11	12.91	12.90	14.54	14.38	13.22	13.09
9	14.95	14.88	13.47	13.44	13.31	13.21	12.92	12.90	14.38	14.23	13.09	13.02
10	15.02	14.95	13.49	13.47	13.40	13.31	12.98	12.92	14.23	14.11	13.02	12.99
11	15.09	15.02	13.51	13.49	13.41	13.35	13.09	12.98	14.11	14.02	12.99	12.97
12	15.15	15.09	13.53	13.51	13.35	13.16	13.17	13.09	14.02	13.97	12.97	12.95
13	15.22	15.15	13.54	13.53	13.16	13.00	13.26	13.17	13.97	13.93	13.00	12.95
14	15.30	15.22	13.59	13.54	13.00	12.88	13.39	13.26	13.93	13.90	13.07	13.00
15	15.31	15.30	13.65	13.59	12.88	12.74	13.46	13.39	13.90	13.89	13.12	13.07
16	15.31	15.30	13.72	13.65	12.74	12.67	13.55	13.46	13.93	13.90	13.17	13.12
17	15.30	15.25	13.81	13.72	12.67	12.61	13.66	13.55	13.97	13.93	13.23	13.17
18	15.25	15.19	13.89	13.81	12.61	12.47	13.73	13.66	13.98	13.97	13.30	13.23
19	15.19	15.15	13.92	13.89	12.47	12.36	13.80	13.73	13.98	13.97	13.37	13.30
20	15.15	15.12	13.91	13.77	12.36	12.31	13.89	13.80	14.01	13.98	13.43	13.37
21	15.12	15.06	13.77	13.50	12.35	12.31	13.99	13.89	14.02	14.01	13.43	13.40
22	15.06	15.01	13.50	13.28	12.41	12.35	14.07	13.99	14.07	14.02	13.40	13.33
23	15.01	14.98	13.28	13.13	12.50	12.41	14.14	14.07	14.10	14.07	13.33	13.30
24	15.00	14.98	13.13	13.05	12.57	12.50	14.22	14.14	14.11	14.10	13.30	13.29
25	15.04	15.00	13.05	12.99	12.57	12.49	14.31	14.22	14.10	14.10	13.30	13.29
26	15.07	15.04	12.99	12.96	12.49	12.40	14.41	14.31	14.11	14.10	13.33	13.30
27	15.07	15.00	12.97	12.96	12.40	12.37	14.55	14.41	14.12	14.11	13.34	13.32
28	15.00	14.86	12.97	12.95	12.41	12.37	14.48	14.46	14.12	14.12	13.37	13.34
29	14.86	14.55	12.95	12.87	12.46	12.41	14.53	14.48	14.12	14.10	13.43	13.37
30	14.55	14.21	12.87	12.80	12.52	12.46	14.58	14.53	---	---	13.48	13.43
31	14.21	13.9										

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.

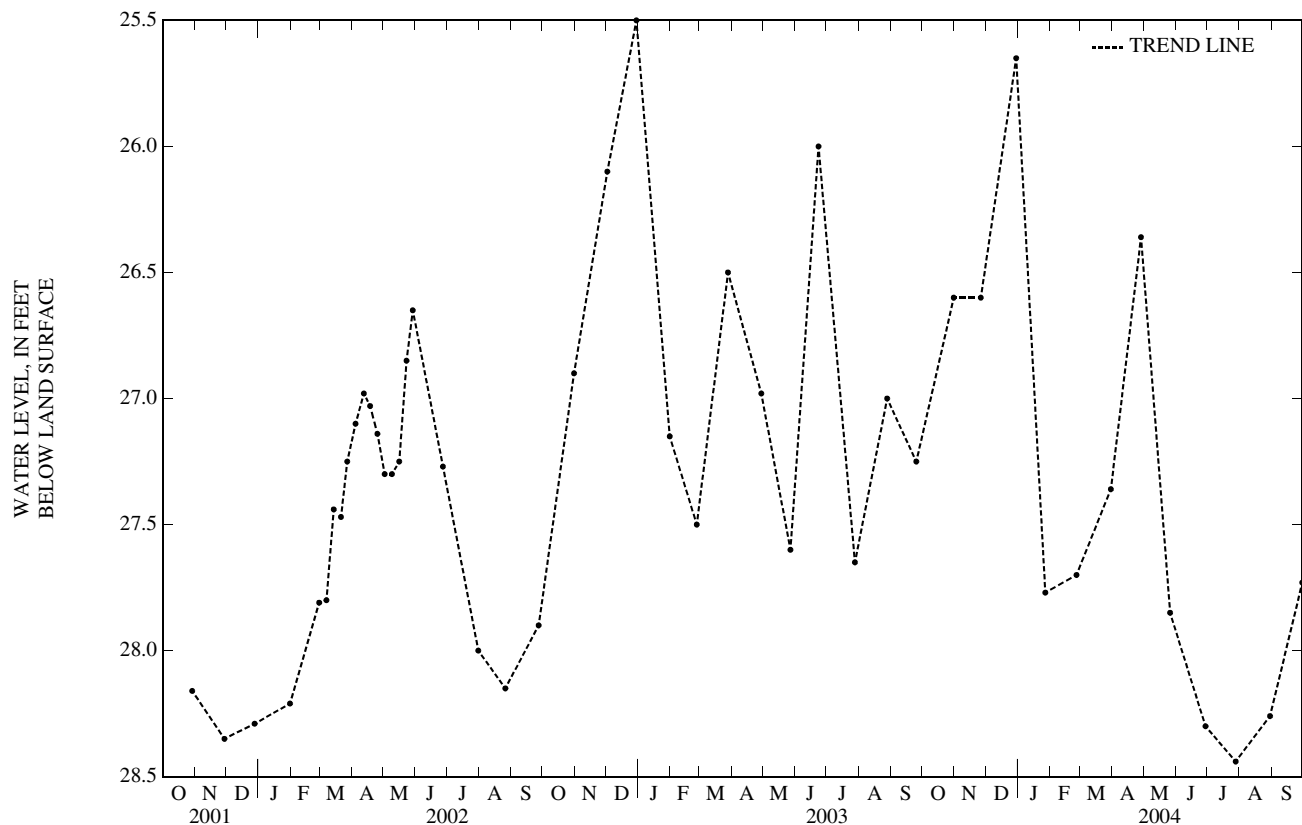
PERIOD OF RECORD.--October 1943 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	26.60	DEC 30	25.65	FEB 26	27.70	APR 28	26.36	JUN 29	28.30	AUG 30	28.26
NOV 26	26.60	JAN 27	27.77	MAR 30	27.36	MAY 26	27.85	JUL 28	28.44	SEP 30	27.73

WATER YEAR 2004 HIGHEST 25.65 DEC 30, 2003 LOWEST 28.44 JUL 28, 2004



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.

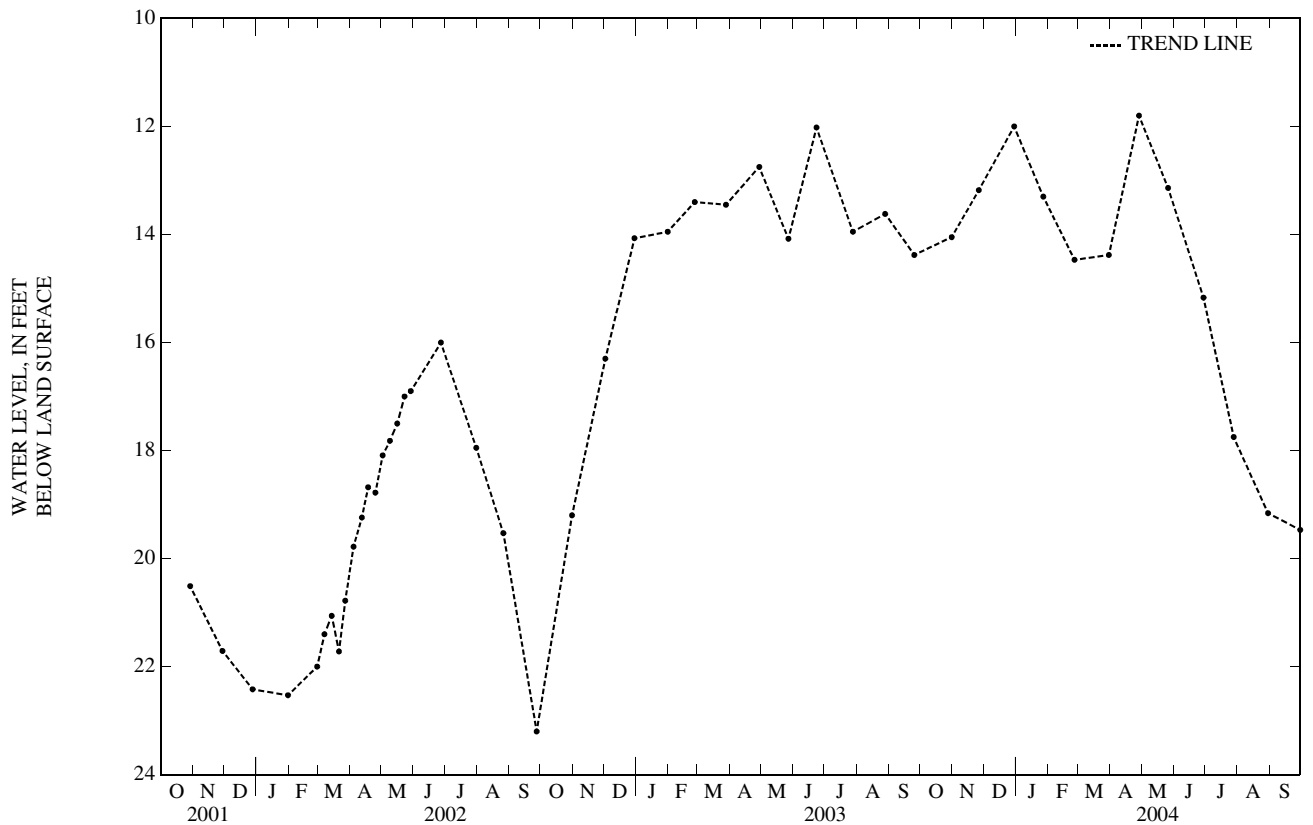
PERIOD OF RECORD.--October 1943 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	14.05	DEC 30	12.00	FEB 26	14.47	APR 28	11.80	JUN 29	15.17	AUG 30	19.16
NOV 26	13.18	JAN 27	13.30	MAR 30	14.38	MAY 26	13.14	JUL 28	17.75	SEP 30	19.47

WATER YEAR 2004 HIGHEST 11.80 APR 28, 2004 LOWEST 19.47 SEP 30, 2004



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.

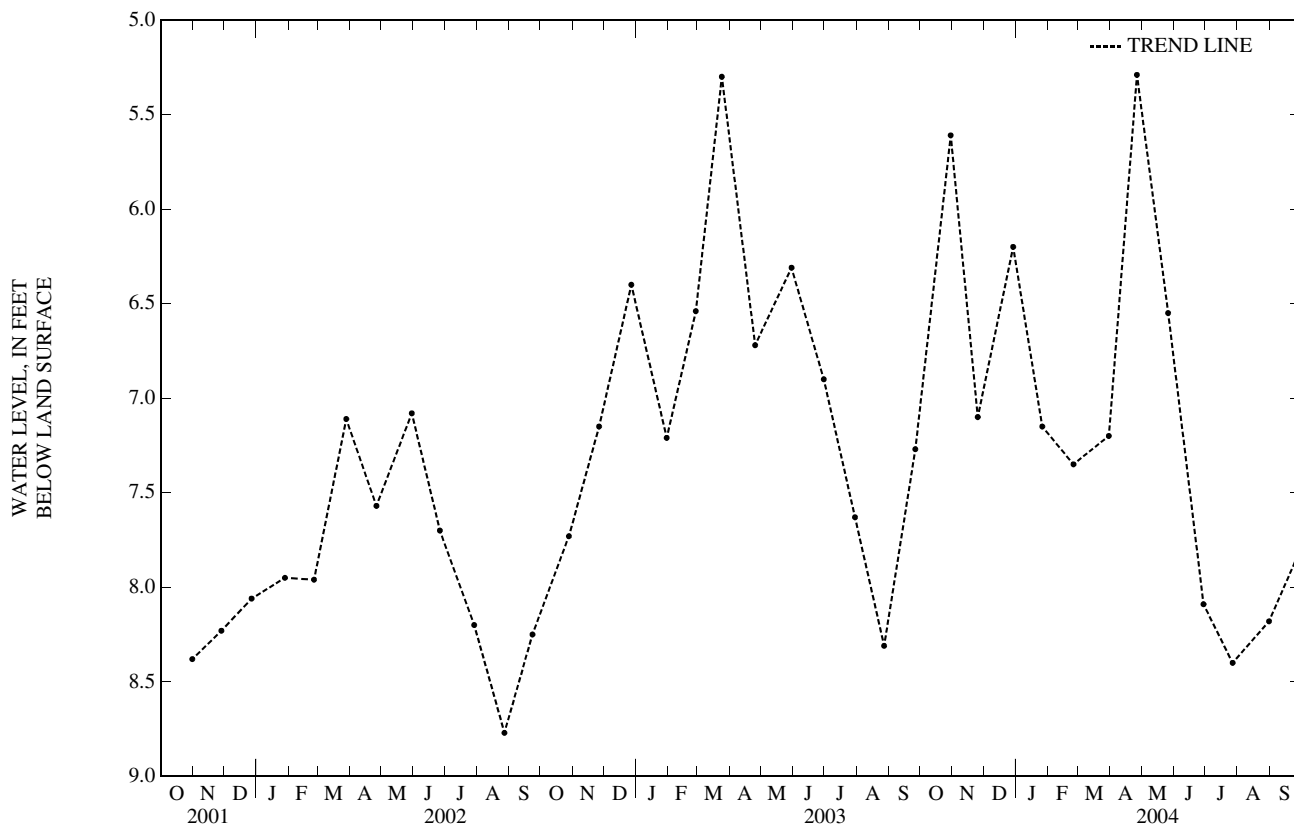
PERIOD OF RECORD.--January 1986 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	5.61	DEC 29	6.20	FEB 25	7.35	APR 26	5.29	JUN 29	8.09	AUG 31	8.18
NOV 25	7.10	JAN 26	7.15	MAR 30	7.20	MAY 26	6.55	JUL 27	8.40	SEP 27	7.84

WATER YEAR 2004 HIGHEST 5.29 APR 26, 2004 LOWEST 8.40 JUL 27, 2004



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.

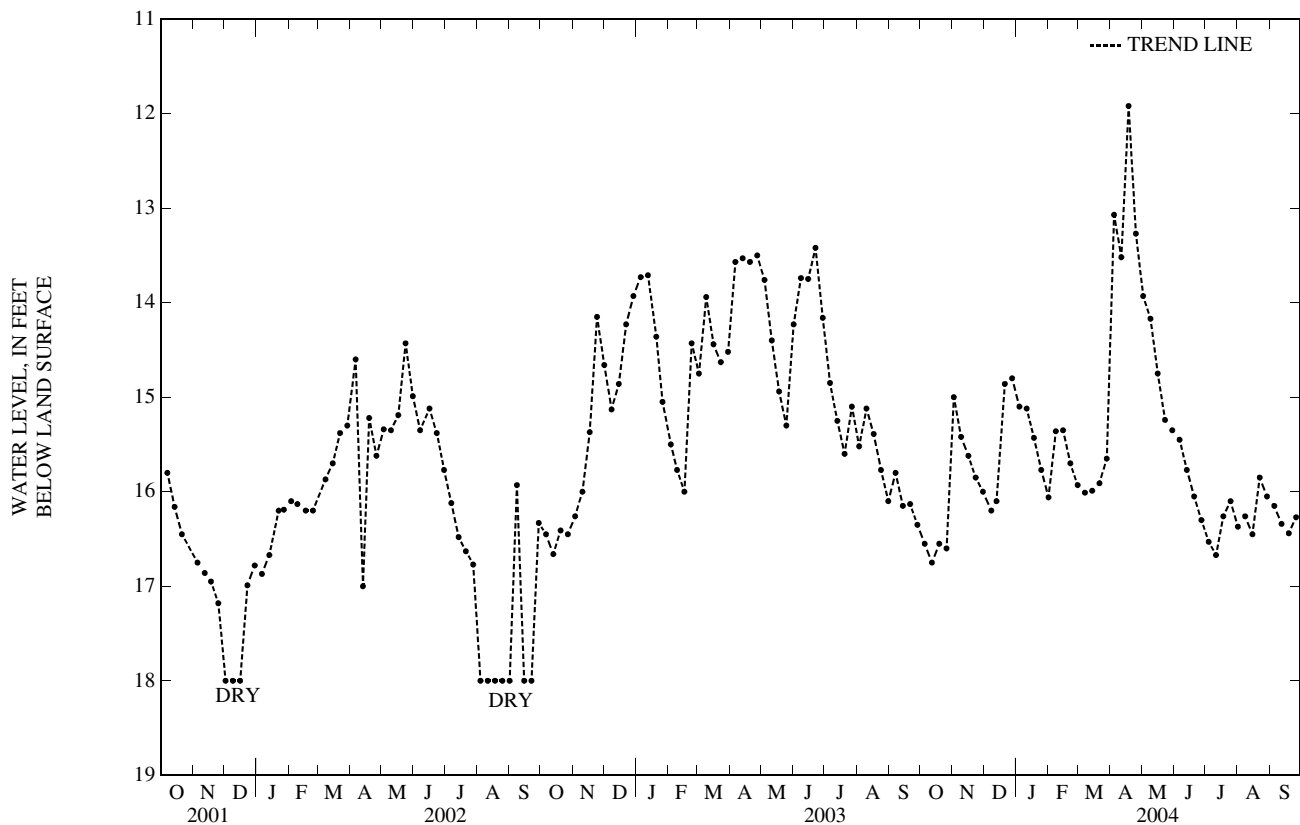
PERIOD OF RECORD.--May 1958 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	16.55	DEC 08	16.20	FEB 08	15.36	APR 11	13.52	JUN 13	15.77	AUG 15	16.45
12	16.75	13	16.10	15	15.35	18	11.92	20	16.05	22	15.85
19	16.55	21	14.86	22	15.70	25	13.27	27	16.30	29	16.05
26	16.60	28	14.80	29	15.93	MAY 02	13.93	JUL 04	16.53	SEP 05	16.15
NOV 02	15.00	JAN 04	15.10	MAR 07	16.01	09	14.17	11	16.67	12	16.34
09	15.42	11	15.12	14	15.99	16	14.75	18	16.26	19	16.44
16	15.62	18	15.43	21	15.91	23	15.24	25	16.10	26	16.27
23	15.85	25	15.77	28	15.65	30	15.35	AUG 01	16.37		
30	16.00	FEB 01	16.06	APR 04	13.07	JUN 06	15.45	08	16.26		

WATER YEAR 2004 HIGHEST 11.92 APR 18, 2004 LOWEST 16.75 OCT 12, 2003



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.

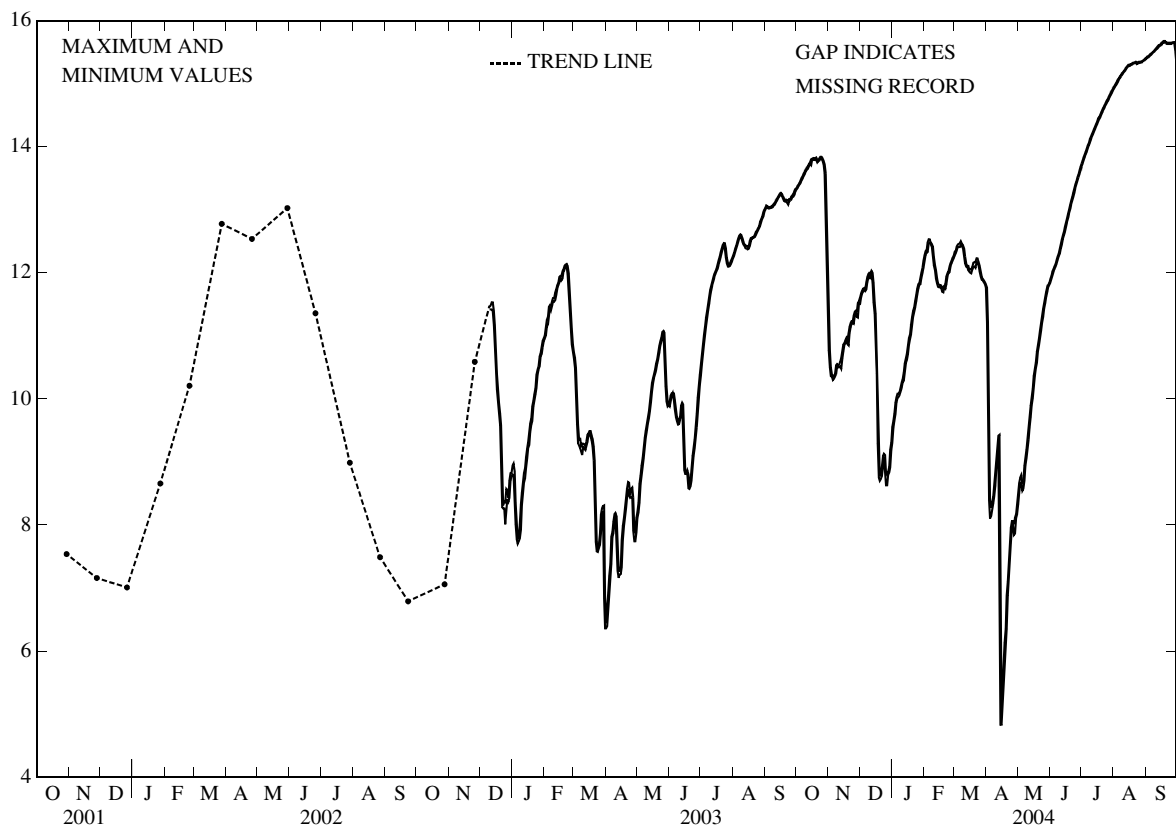
WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 43 ft, PVC casing, screened 38 to 43 ft.

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, 4.83 ft below land-surface datum, Apr. 14, 2004; lowest water level measured, 17.33 ft below land-surface datum, Oct. 25, 1993.



DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	13.34	13.32	11.29	10.77	11.61	11.51	9.55	9.30	12.28	12.19	12.33	12.27
2	13.38	13.34	10.77	10.50	11.67	11.61	9.65	9.54	12.34	12.28	12.35	12.31
3	13.40	13.38	10.50	10.36	11.71	11.67	9.76	9.65	12.36	12.32	12.42	12.35
4	13.43	13.40	10.38	10.35	11.75	11.70	9.94	9.76	12.48	12.33	12.45	12.41
5	13.47	13.43	10.35	10.30	11.76	11.74	10.02	9.94	12.53	12.47	12.46	12.41
6	13.51	13.47	10.37	10.32	11.74	11.71	10.08	10.02	12.53	12.48	12.47	12.41
7	13.54	13.50	10.39	10.35	11.85	11.74	10.08	10.03	12.48	12.45	12.50	12.46
8	13.58	13.54	10.53	10.39	11.93	11.85	10.11	10.06	12.46	12.42	12.46	12.42
9	13.61	13.57	10.55	10.51	11.98	11.93	10.18	10.11	12.42	12.25	12.44	12.39
10	13.64	13.61	10.53	10.50	12.00	11.98	10.26	10.18	12.25	12.12	12.39	12.26
11	13.67	13.64	10.54	10.50	11.99	11.90	10.31	10.26	12.12	12.04	12.26	12.15
12	13.69	13.65	10.59	10.51	12.03	11.99	10.42	10.29	12.04	11.91	12.15	12.10
13	13.73	13.69	10.65	10.48	12.00	11.84	10.56	10.42	11.91	11.83	12.11	12.10
14	13.75	13.73	10.76	10.64	11.84	11.53	10.64	10.56	11.83	11.78	12.11	12.04
15	13.80	13.71	10.86	10.75	11.53	11.35	10.71	10.61	11.81	11.77	12.05	12.02
16	13.81	13.79	10.88	10.86	11.35	10.92	10.85	10.71	11.80	11.78	12.05	12.00
17	13.82	13.80	10.93	10.88	10.92	10.40	10.96	10.85	11.80	11.76	12.05	11.99
18	13.81	13.79	10.97	10.93	10.40	9.29	11.02	10.95	11.76	11.70	12.10	12.05
19	13.82	13.80	10.94	10.87	9.29	8.75	11.17	11.02	11.77	11.69	12.16	12.09
20	13.83	13.79	11.04	10.85	8.77	8.70	11.30	11.17	11.79	11.77	12.17	12.10
21	13.79	13.75	11.14	11.04	8.81	8.73	11.39	11.30	11.82	11.75	12.17	12.08
22	13.79	13.77	11.20	11.14	8.92	8.77	11.45	11.38	11.94	11.82	12.23	12.17
23	13.82	13.78	11.23	11.20	9.09	8.92	11.55	11.45	11.99	11.94	12.23	12.16
24	13.84	13.81	11.23	11.20	9.13	9.07	11.65	11.55	12.02	11.99	12.17	12.11
25	13.84	13.82	11.32	11.19	9.11	8.82	11.75	11.65	12.10	12.01	12.11	12.02
26	13.82	13.78	11.38	11.32	8.82	8.63	11.82	11.75	12.15	12.10	12.02	11.94
27	13.78	13.72	11.40	11.38	8.79	8.63	11.83	11.81	12.19	12.15	11.94	11.89
28	13.73	13.58	11.39	11.30	8.84	8.79	11.92	11.82	12.24	12.19	11.90	11.88
29	13.58	13.01	11.52	11.29	8.92	8.83	12.00	11.92	12.27	12.23	11.88	11.85
30	13.01	12.09	11.55	11.52	9.19	8.91	12.08	12.00	---	---	11.85	11.82
31	12.09	11.29	---	---	9.31	9.19	12.19	12.08	---	---	11.82	11.77
MONTH	13.84	11.29	11.55	10.30	12.03	8.63	12.19	9.30	12.53	11.69	12.50	11.77
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.77	11.21	8.50	8.33	11.90	11.84	13.73	13.68	14.95	14.92	15.41	15.39
2	11.21	9.25	8.66	8.50	11.95	11.90	13.78	13.73	14.98	14.95	15.43	15.41
3	9.25	8.39	8.75	8.66	12.02	11.95	13.83	13.78	15.01	14.97	15.43	15.42
4	8.39	8.10	8.79	8.67	12.06	12.02	13.88	13.83	15.04	15.00	15.45	15.43
5	8.27	8.14	8.67	8.54	12.10	12.06	13.92	13.88	15.07	15.03	15.47	15.45
6	8.35	8.23	8.70	8.57	12.14	12.10	13.97	13.92	15.09	15.07	15.48	15.46
7	8.45	8.34	8.94	8.70	12.20	12.14	14.02	13.97	15.12	15.09	15.50	15.48
8	8.63	8.45	9.06	8.94	12.26	12.20	14.06	14.02	15.14	15.12	15.51	15.50
9	8.87	8.62	9.20	9.06	12.30	12.26	14.12	14.06	15.17	15.14	15.53	15.51
10	9.06	8.87	9.35	9.20	12.38	12.30	14.16	14.11	15.19	15.17	15.55	15.53
11	9.25	9.06	9.54	9.35	12.45	12.38	14.20	14.16	15.21	15.19	15.57	15.55
12	9.41	9.25	9.71	9.54	12.53	12.45	14.24	14.20	15.24	15.21	15.59	15.56
13	9.43	7.81	9.89	9.71	12.59	12.53	14.28	14.24	15.26	15.24	15.61	15.58
14	7.81	4.83	10.01	9.89	12.65	12.59	14.32	14.28	15.28	15.26	15.61	15.60
15	5.09	4.83	10.16	10.01	12.73	12.65	14.36	14.32	15.30	15.28	15.63	15.61
16	5.43	5.09	10.36	10.16	12.80	12.73	14.40	14.36	15.30	15.28	15.65	15.62
17	5.79	5.43	10.48	10.36	12.86	12.80	14.45	14.40	15.31	15.29	15.67	15.65
18	6.13	5.79	10.57	10.48	12.94	12.86	14.47	14.44	15.31	15.30	15.68	15.66
19	6.35	6.12	10.75	10.57	13.00	12.94	14.51	14.47	15.33	15.31	15.68	15.65
20	6.88	6.35	10.85	10.75	13.08	13.00	14.55	14.51	15.33	15.32	15.66	15.64
21	7.10	6.88	10.96	10.85	13.14	13.08	14.59	14.55	15.34	15.33	15.65	15.63
22	7.43	7.10	11.08	10.96	13.20	13.14	14.62	14.59	15.35	15.33	15.65	15.63
23	7.71	7.43	11.20	11.08	13.27	13.20	14.66	14.62	15.33	15.31	15.65	15.63
24	7.95	7.71	11.30	11.20	13.34	13.27	14.69	14.66	15.34	15.32	15.65	15.63
25	8.06	7.95	11.43	11.30	13.40	13.34	14.73	14.69	15.35	15.33	15.65	15.63
26	8.06	8.01	11.52	11.43	13.45	13.40	14.75	14.72	15.35	15.33	15.65	15.64
27	8.01	7.84	11.62	11.52	13.51	13.45	14.79	14.75	15.35	15.34	15.66	15.65
28	8.11	7.86	11.70	11.62	13.56	13.51	14.82	14.79	15.36	15.34	15.66	15.65
29	8.17	8.11	11.78	11.70	13.62	13.56	14.86	14.82	15.37	15.36	15.66	15.62
30	8.33	8.17	11.81	11.78	13.68	13.62	14.89	14.85	15.38	15.37	15.52	15.34
31	---	---	11.84	11.81	---	---	14.92	14.89	15.40	15.38	---	---
MONTH	11.77	4.83	11.84	8.33	13.68	11.84	14.92	13.68	15.40	14.92	15.68	15.34
YEAR	15.68	4.83										

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.

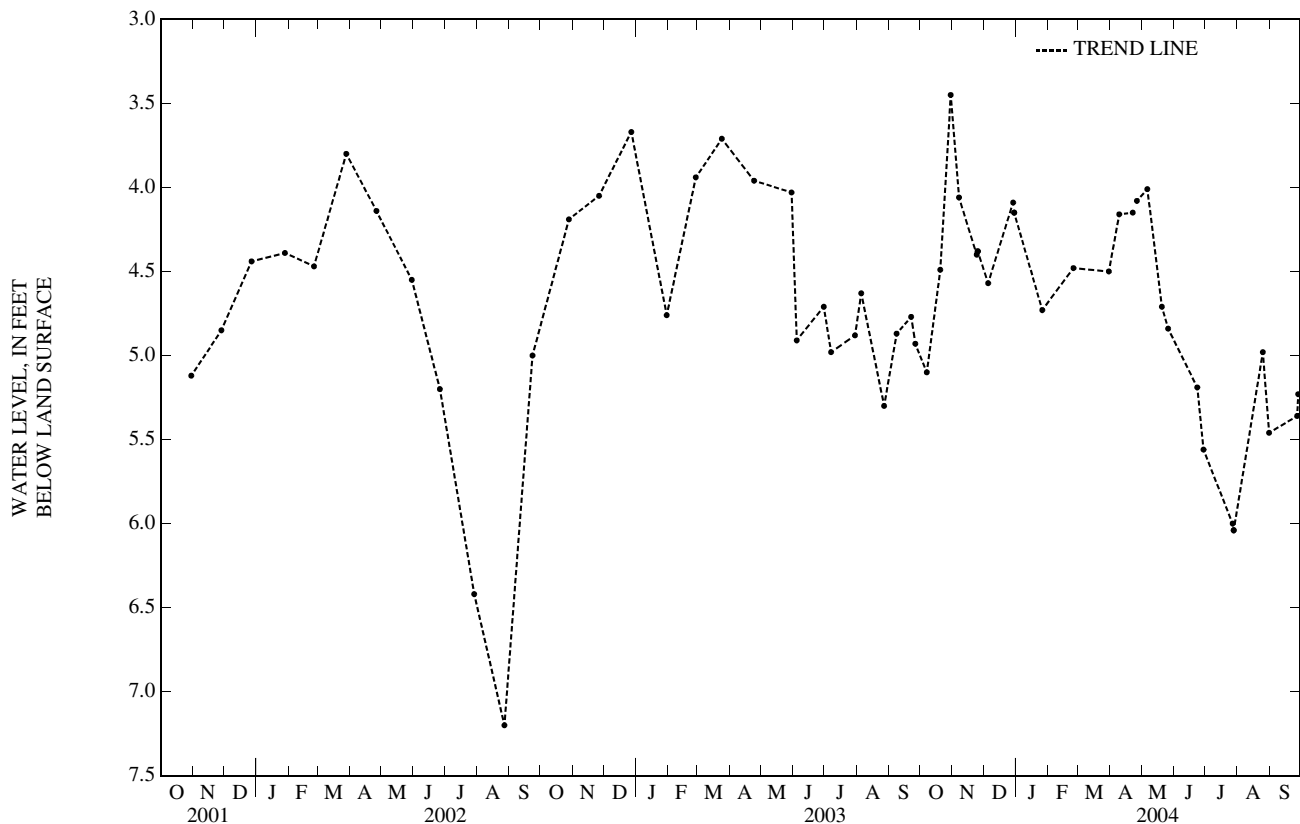
REVISED RECORDS.--WDR 2002: Latitude/longitude.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	5.10	NOV 25	4.38	FEB 25	4.48	MAY 06	4.01	JUL 27	6.00	SEP 28	5.23
20	4.49	DEC 05	4.57	MAR 30	4.50	20	4.71	28	6.04		
30	3.45	29	4.09	APR 09	4.16	26	4.84	AUG 25	4.98		
NOV 07	4.06	30	4.15	22	4.15	JUN 23	5.19	31	5.46		
24	4.40	JAN 26	4.73	26	4.08	29	5.56	SEP 27	5.36		

WATER YEAR 2004 HIGHEST 3.45 OCT 30, 2003 LOWEST 6.04 JUL 28, 2004



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.

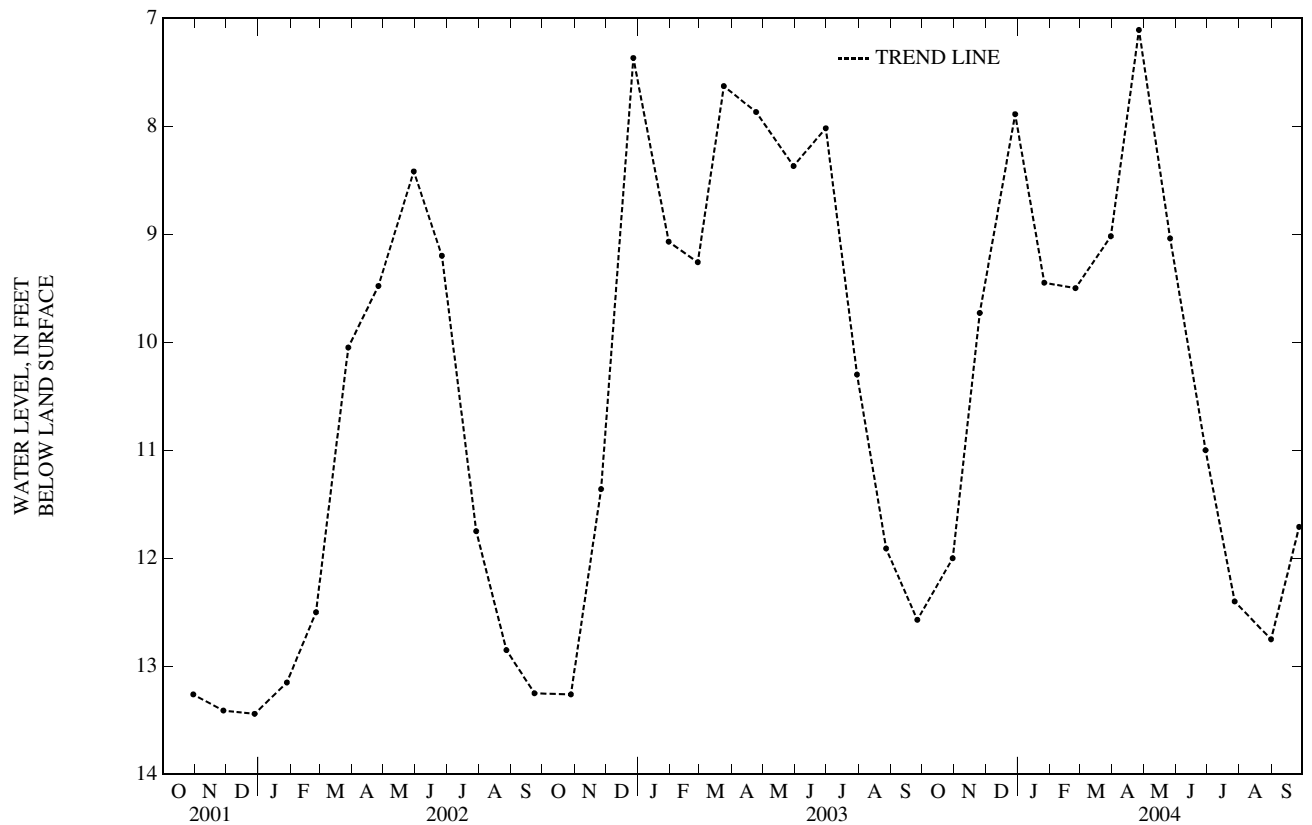
PERIOD OF RECORD.--March 1979 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	12.00	DEC 29	7.89	FEB 25	9.50	APR 26	7.11	JUN 29	11.00	AUG 31	12.75
NOV 25	9.73	JAN 26	9.45	MAR 30	9.02	MAY 26	9.04	JUL 27	12.40	SEP 27	11.71

WATER YEAR 2004 HIGHEST 7.11 APR 26, 2004 LOWEST 12.75 AUG 31, 2004



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.

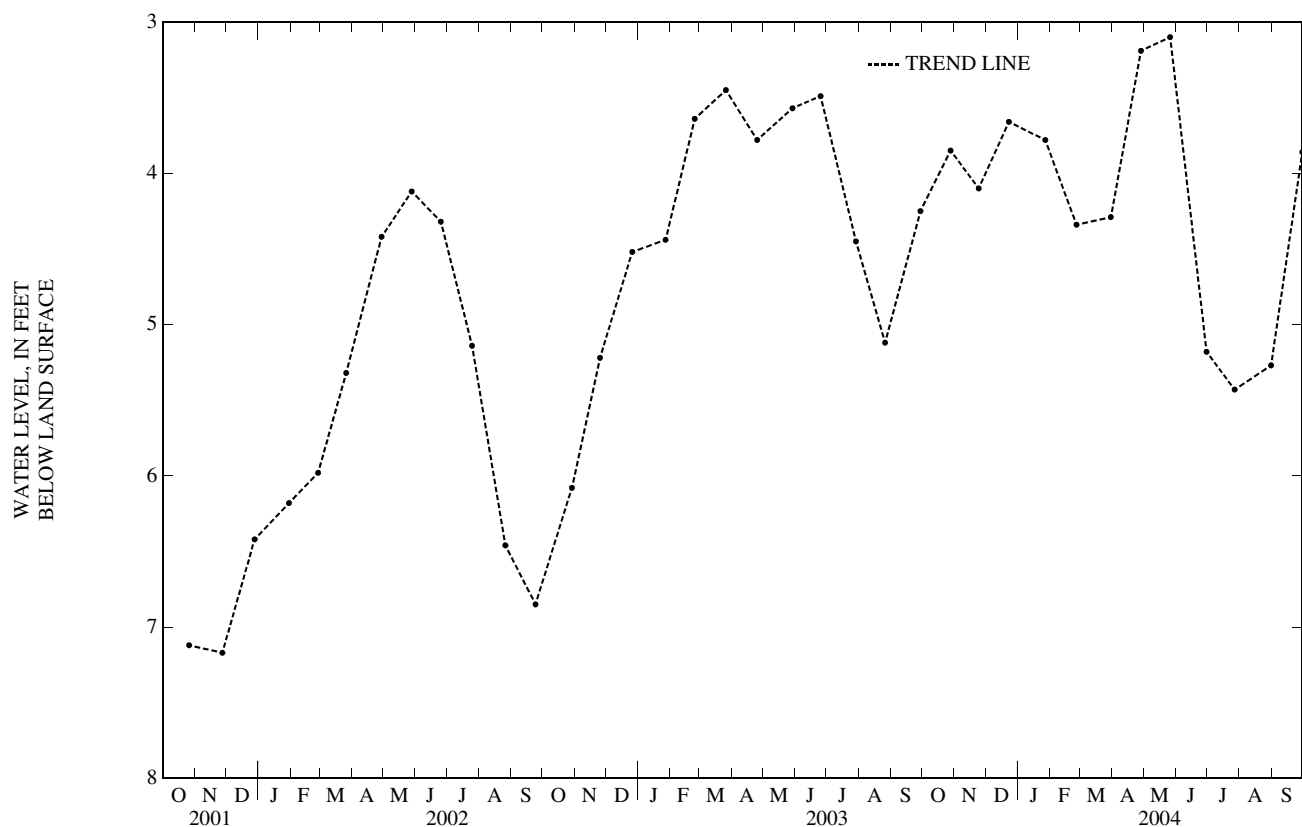
PERIOD OF RECORD.--December 1992 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.85	DEC 23	3.66	FEB 26	4.34	APR 28	3.19	JUN 30	5.18	AUG 31	5.27
NOV 24	4.10	JAN 27	3.78	MAR 30	4.29	MAY 26	3.10	JUL 27	5.43	SEP 30	3.86

WATER YEAR 2004 HIGHEST 3.10 MAY 26, 2004 LOWEST 5.43 JUL 27, 2004



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.

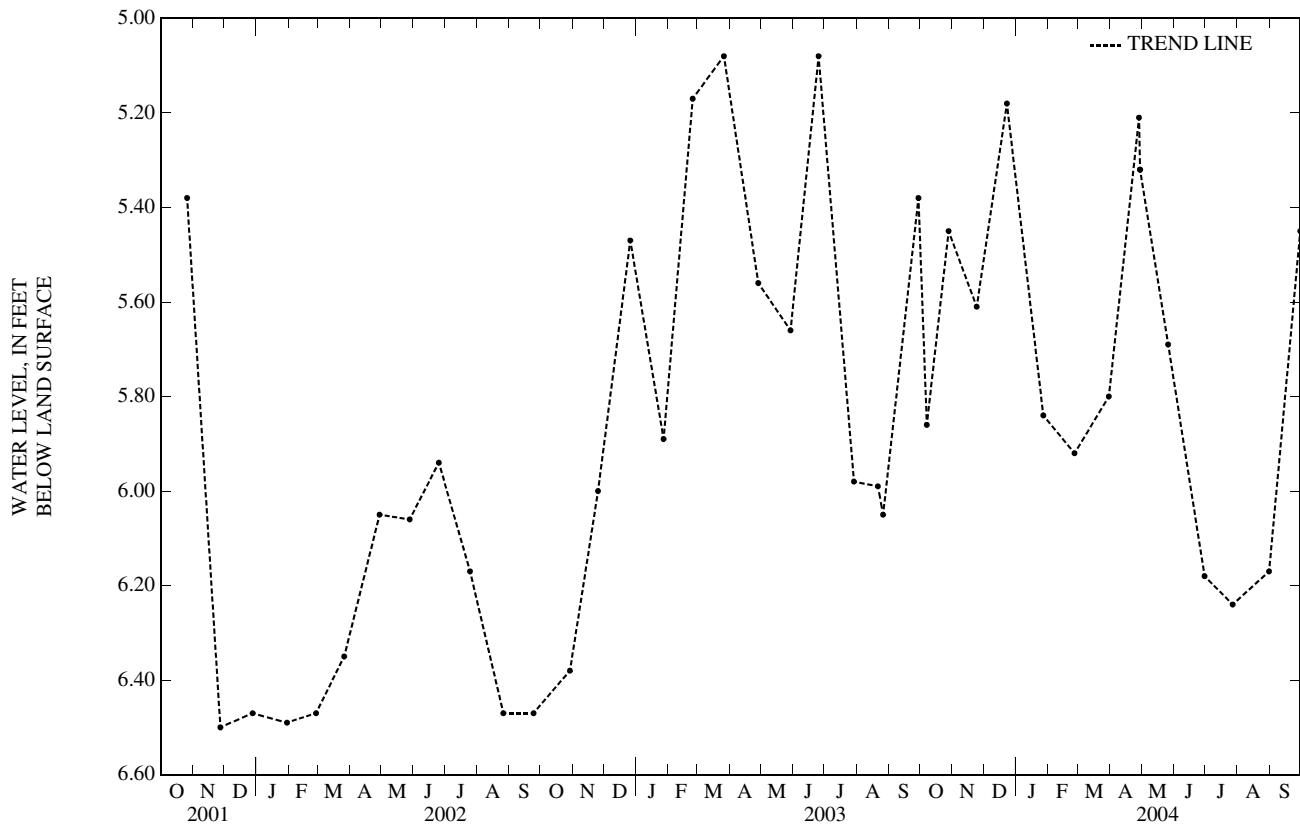
PERIOD OF RECORD.--May 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.87 ft below land-surface datum, Mar. 27, 2001; lowest water level measured, 8.45 ft below land-surface datum, July 27, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	5.86	DEC 23	5.18	MAR 30	5.80	MAY 26	5.69	AUG 31	6.17
28	5.45	JAN 27	5.84	APR 28	5.21	JUN 30	6.18	SEP 30	5.45
NOV 24	5.61	FEB 26	5.92	29	5.32	JUL 27	6.24		

WATER YEAR 2004 HIGHEST 5.18 DEC 23, 2003 LOWEST 6.24 JUL 27, 2004



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.

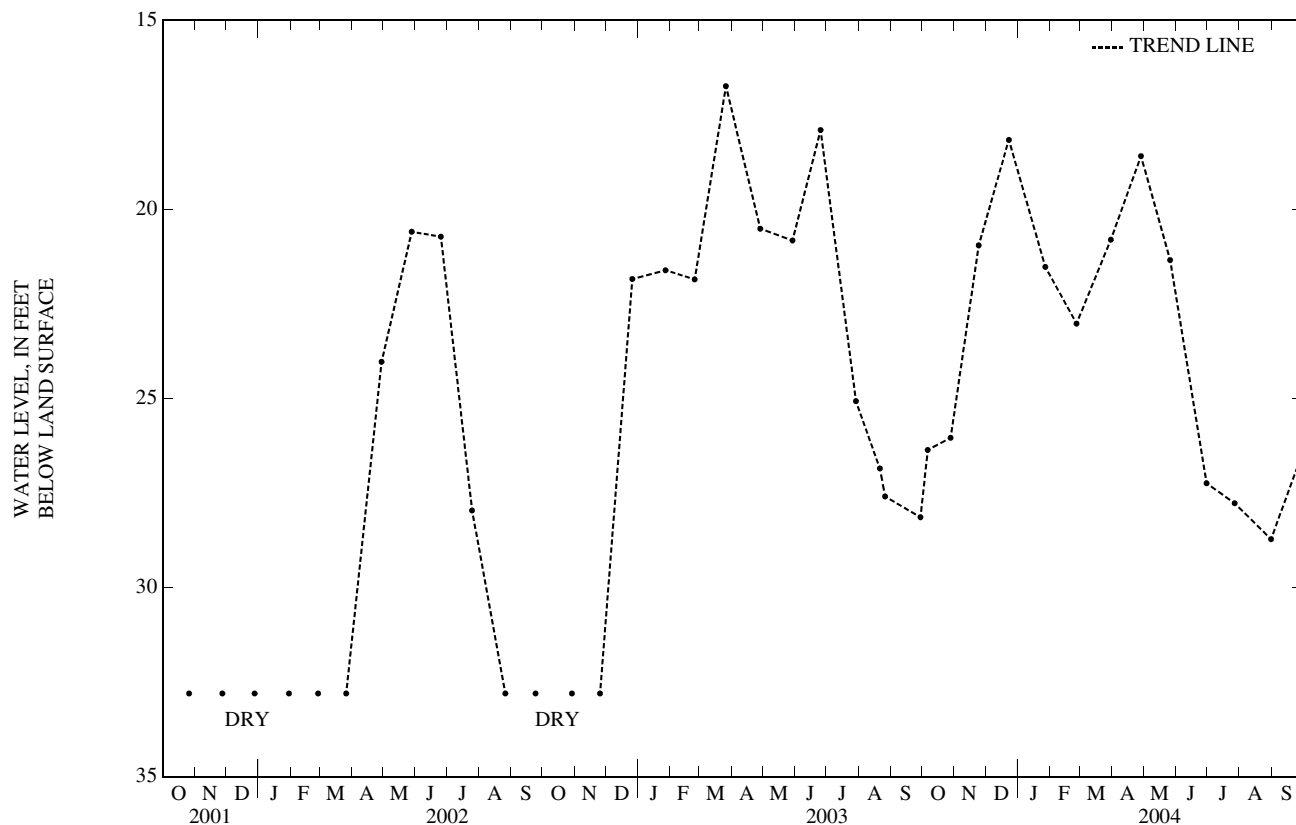
PERIOD OF RECORD.--December 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	26.36	DEC 23	18.16	MAR 30	20.80	JUN 30	27.24	SEP 30	26.46
28	26.04	JAN 27	21.52	APR 28	18.59	JUL 27	27.77		
NOV 24	20.95	FEB 26	23.02	MAY 26	21.34	AUG 31	28.72		

WATER YEAR 2004 HIGHEST 18.16 DEC 23, 2003 LOWEST 28.72 AUG 31, 2004



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.

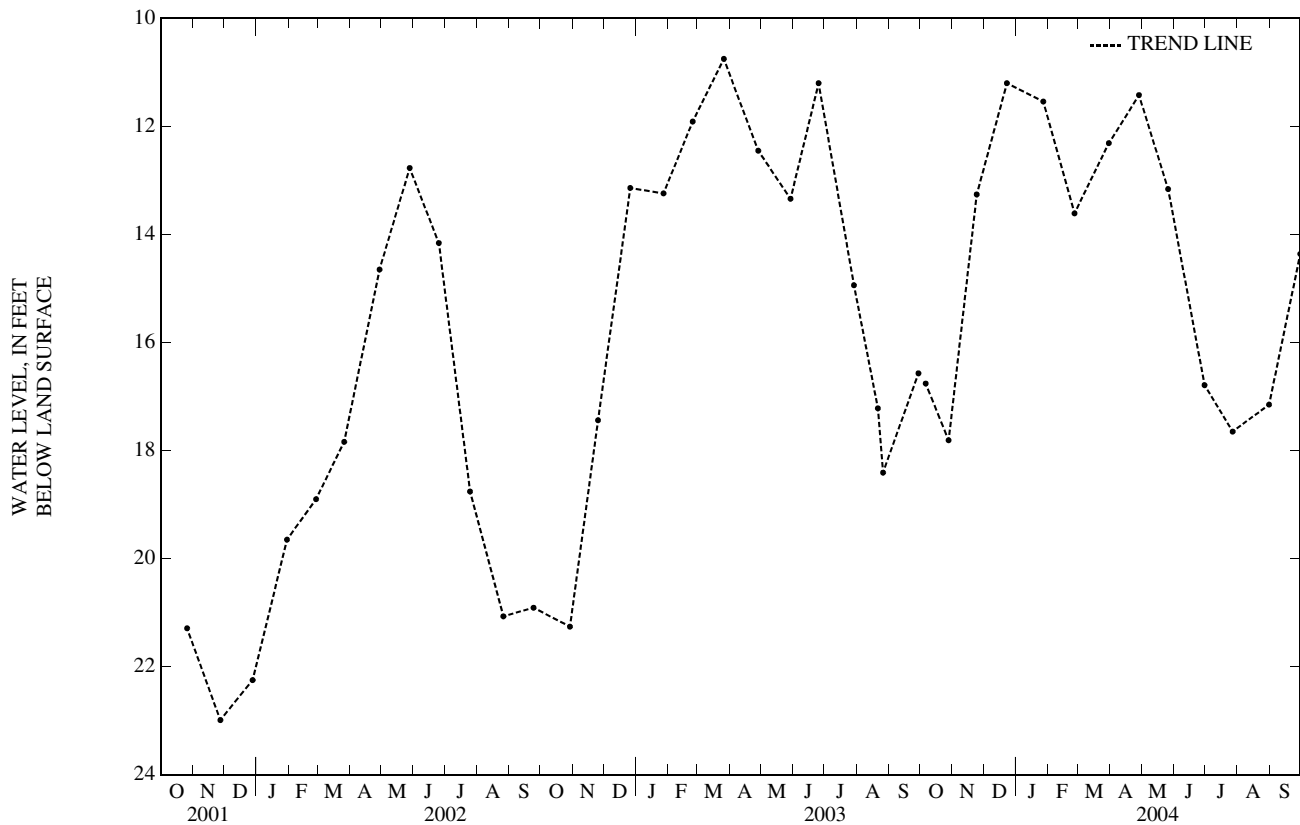
PERIOD OF RECORD.--December 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	16.76	DEC 23	11.20	MAR 30	12.31	JUN 30	16.79	SEP 30	14.36
28	17.81	JAN 27	11.54	APR 28	11.42	JUL 27	17.65		
NOV 24	13.26	FEB 26	13.61	MAY 26	13.16	AUG 31	17.15		

WATER YEAR 2004 HIGHEST 11.20 DEC 23, 2003 LOWEST 17.81 OCT 28, 2003



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.

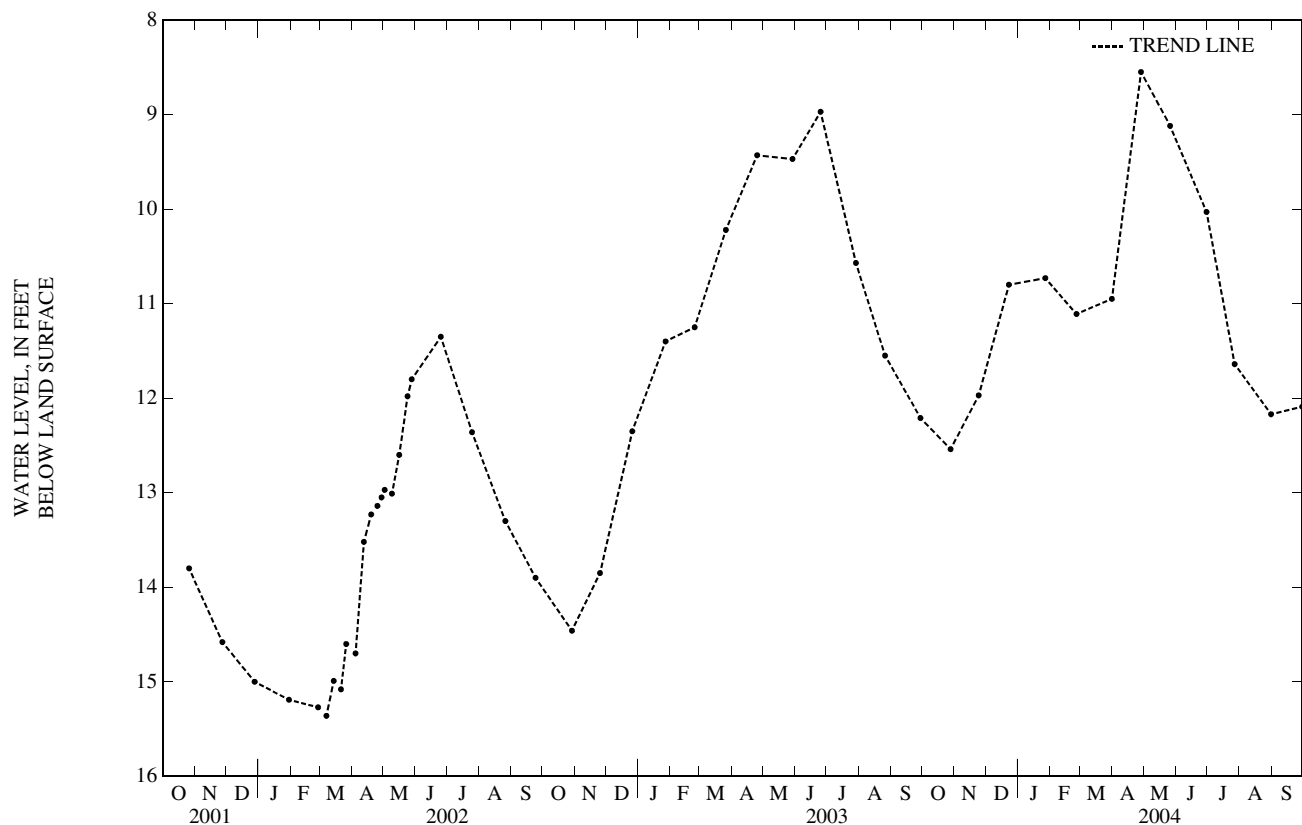
PERIOD OF RECORD.--May 1958 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	12.54	DEC 23	10.80	FEB 26	11.11	APR 28	8.55	JUN 30	10.03	AUG 31	12.17
NOV 24	11.97	JAN 27	10.73	MAR 31	10.95	MAY 26	9.12	JUL 27	11.64	SEP 30	12.09

WATER YEAR 2004 HIGHEST 8.55 APR 28, 2004 LOWEST 12.54 OCT 28, 2003



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.

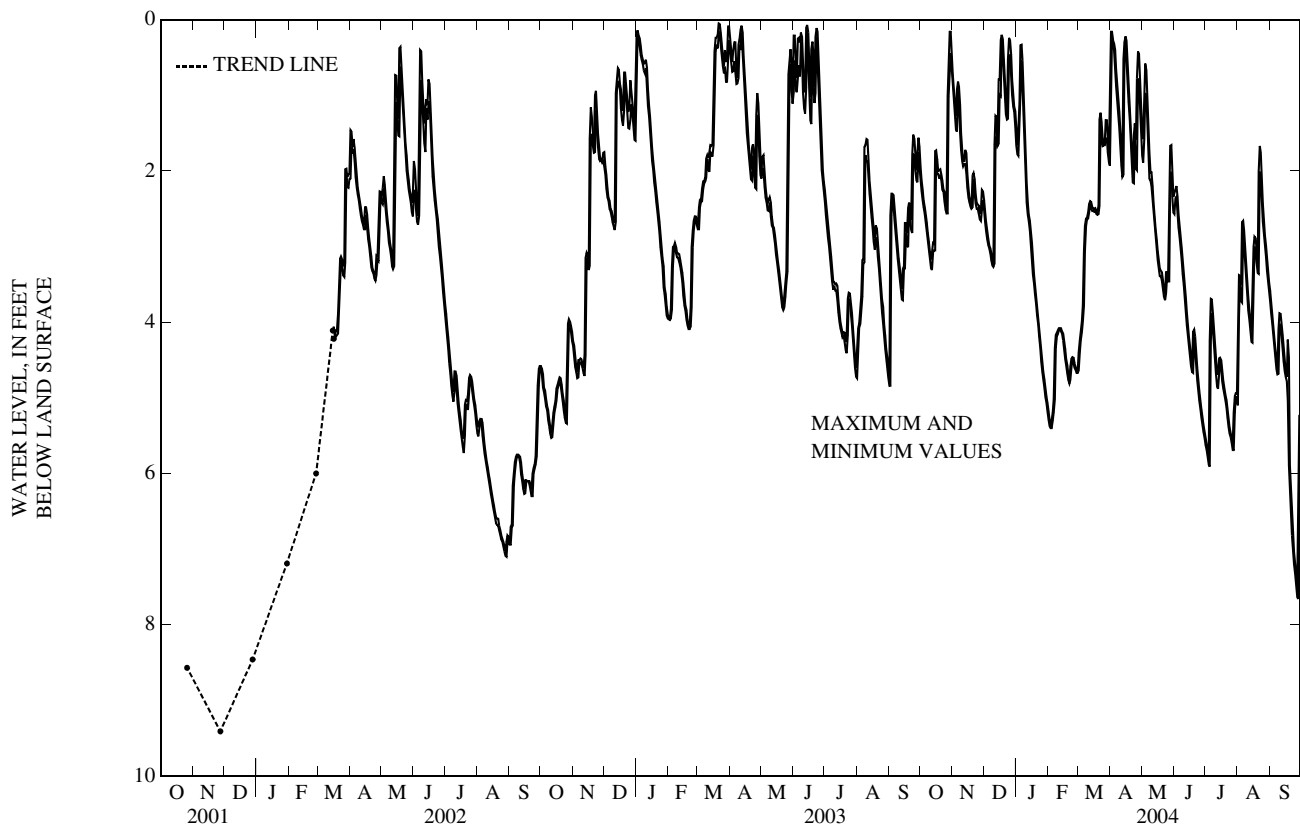
WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.

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. 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. 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, 0.08 ft below land-surface datum, Mar. 30, 1994; lowest water level measured, 10.58 ft below land-surface datum, Sept. 28, 1995.



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.12	1.95	0.91	0.72	2.52	2.39	1.66	1.42	5.29	5.18	4.64	4.40
2	2.26	2.12	1.10	0.91	2.67	2.52	1.78	1.66	5.37	5.29	4.40	4.24
3	2.39	2.25	1.27	1.10	2.79	2.67	1.80	1.46	5.40	5.37	4.24	4.13
4	2.48	2.39	1.45	1.27	2.90	2.79	1.46	1.10	5.40	5.30	4.13	3.99
5	2.57	2.48	1.48	0.93	2.98	2.90	1.10	0.34	5.30	5.19	3.99	3.78
6	2.69	2.57	0.93	0.82	3.02	2.98	0.54	0.33	5.19	5.02	3.78	3.06
7	2.82	2.69	1.13	0.89	3.09	3.02	0.90	0.54	5.02	4.34	3.06	2.73
8	2.94	2.82	1.50	1.13	3.18	3.09	1.29	0.90	4.34	4.17	2.73	2.63
9	3.07	2.94	1.72	1.50	3.25	3.17	1.73	1.29	4.18	4.14	2.64	2.62
10	3.17	3.07	1.87	1.72	3.27	3.23	2.16	1.73	4.16	4.11	2.63	2.55
11	3.28	3.17	1.94	1.87	3.23	1.65	2.42	2.16	4.11	4.08	2.55	2.44
12	3.31	3.08	1.91	1.87	1.65	1.27	2.58	2.42	4.09	4.08	2.44	2.40
13	3.08	2.95	1.91	1.72	1.54	1.29	2.66	2.58	4.12	4.08	2.49	2.41
14	3.05	2.96	2.03	1.76	1.67	1.54	2.79	2.66	4.15	4.12	2.53	2.48
15	3.05	1.74	2.22	2.03	1.64	0.79	2.95	2.79	4.24	4.15	2.53	2.50
16	1.85	1.73	2.35	2.22	0.99	0.79	3.17	2.95	4.36	4.24	2.54	2.50
17	2.04	1.85	2.41	2.35	1.01	0.27	3.37	3.17	4.49	4.36	2.53	2.49
18	2.04	2.00	2.47	2.41	0.27	0.20	3.49	3.37	4.57	4.49	2.57	2.53
19	2.10	1.99	2.50	2.47	0.47	0.26	3.63	3.49	4.68	4.57	2.58	2.55
20	2.05	1.98	2.48	2.06	0.76	0.47	3.76	3.63	4.76	4.68	2.57	2.46
21	2.13	2.05	2.11	2.03	1.05	0.76	3.91	3.76	4.81	4.76	2.46	1.32
22	2.25	2.13	2.30	2.11	1.25	1.05	4.03	3.91	4.76	4.59	1.35	1.23
23	2.27	2.25	2.43	2.30	1.32	1.25	4.19	4.03	4.59	4.48	1.57	1.35
24	2.40	2.27	2.50	2.43	1.31	0.52	4.34	4.19	4.48	4.46	1.67	1.57
25	2.51	2.40	2.50	2.44	0.52	0.24	4.52	4.34	4.54	4.47	1.66	1.63
26	2.56	2.51	2.57	2.46	0.46	0.27	4.66	4.52	4.60	4.54	1.66	1.63
27	2.56	1.01	2.64	2.57	0.79	0.46	4.76	4.66	4.63	4.59	1.63	1.33
28	1.01	0.62	2.66	2.52	1.00	0.79	4.87	4.76	4.67	4.63	1.56	1.33
29	0.68	0.16	2.52	2.25	1.15	1.00	4.99	4.87	4.67	4.64	1.76	1.56
30	0.44	0.16	2.39	2.27	1.21	1.15	5.07	4.99	---	---	1.88	1.76
31	0.72	0.44	---	---	1.42	1.21	5.18	5.07	---	---	1.93	0.76
MONTH	3.31	0.16	2.66	0.72	3.27	0.20	5.18	0.33	5.40	4.08	4.64	0.76
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	0.76	0.16	1.80	1.48	2.57	2.30	5.62	5.53	5.10	3.92	3.73	3.59
2	0.27	0.16	1.89	1.58	2.36	2.25	5.69	5.62	3.92	3.38	3.88	3.73
3	0.33	0.27	1.58	0.98	2.34	2.20	5.78	5.69	3.51	3.39	4.02	3.88
4	0.40	0.31	0.98	0.58	2.57	2.34	5.88	5.78	3.72	3.51	4.19	4.02
5	0.66	0.40	0.99	0.67	2.75	2.57	5.91	4.25	3.74	2.68	4.35	4.19
6	0.88	0.66	1.33	0.99	2.88	2.75	4.25	3.69	2.79	2.66	4.48	4.35
7	1.05	0.88	1.75	1.33	3.02	2.88	3.88	3.70	3.02	2.79	4.62	4.48
8	1.22	1.05	2.10	1.75	3.18	3.02	4.09	3.88	3.24	3.02	4.69	4.62
9	1.44	1.22	2.13	2.02	3.36	3.18	4.29	4.09	3.46	3.24	4.68	4.09
10	1.70	1.44	2.20	2.02	3.51	3.36	4.48	4.29	3.67	3.46	4.09	3.88
11	1.93	1.70	2.42	2.20	3.68	3.51	4.68	4.48	3.85	3.67	4.02	3.89
12	2.08	1.93	2.59	2.42	3.87	3.68	4.85	4.68	3.97	3.85	4.17	4.02
13	2.05	0.52	2.77	2.59	4.04	3.87	4.88	4.68	4.11	3.97	4.35	4.17
14	0.52	0.30	2.91	2.77	4.19	4.04	4.68	4.48	4.26	4.11	4.52	4.35
15	0.30	0.22	3.06	2.91	4.32	4.19	4.50	4.47	4.27	3.53	4.65	4.52
16	0.57	0.28	3.18	3.06	4.46	4.32	4.62	4.50	3.53	3.00	4.72	4.65
17	0.83	0.57	3.29	3.18	4.58	4.46	4.78	4.62	3.00	2.87	4.78	4.72
18	1.09	0.83	3.39	3.29	4.66	4.58	4.88	4.78	3.04	2.89	5.03	4.23
19	1.31	1.09	3.39	3.32	4.67	4.13	4.96	4.88	3.21	3.04	5.89	4.47
20	1.67	1.31	3.45	3.34	4.19	4.10	5.03	4.96	3.35	3.21	6.21	5.89
21	1.96	1.67	3.56	3.45	4.39	4.19	5.13	5.03	3.36	2.01	6.54	6.21
22	2.15	1.96	3.66	3.56	4.60	4.39	5.26	5.13	2.01	1.67	6.82	6.54
23	2.16	1.52	3.71	3.62	4.77	4.60	5.39	5.26	2.09	1.76	7.04	6.82
24	1.59	1.37	3.62	3.34	4.91	4.77	5.47	5.39	2.43	2.09	7.20	7.04
25	1.97	1.59	3.38	3.34	5.04	4.91	5.52	5.47	2.67	2.43	7.33	7.20
26	1.99	0.78	3.46	3.38	5.15	5.04	5.59	5.52	2.85	2.67	7.48	7.33
27	0.78	0.42	3.46	2.12	5.26	5.15	5.69	5.59	2.99	2.85	7.63	7.48
28	0.84	0.45	2.15	1.67	5.36	5.26	5.69	5.19	3.14	2.99	7.66	6.12
29	1.16	0.84	2.01	1.66	5.45	5.36	5.19	4.98	3.32	3.14	6.12	5.25
30	1.48	1.16	2.34	2.01	5.53	5.45	4.98	4.94	3.47	3.32	5.55	5.26
31	---	---	2.55	2.34	---	---	5.02	4.95	3.59	3.47	---	---
MONTH	2.16	0.16	3.71	0.58	5.53	2.20	5.91	3.69	5.10	1.67	7.66	3.59
YEAR	7.66	0.16										

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.

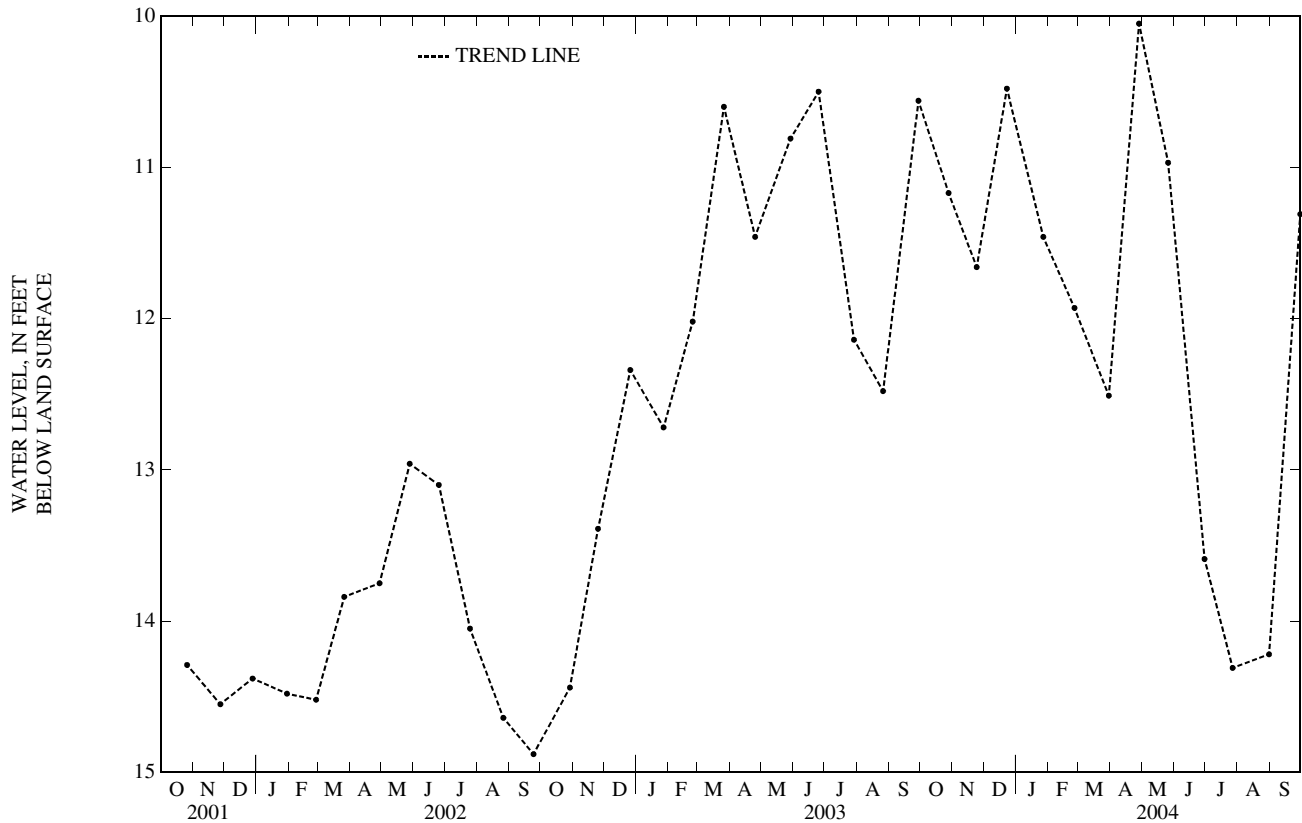
DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 0.76 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	11.17	DEC 23	10.48	FEB 26	11.93	APR 28	10.05	JUN 30	13.59	AUG 31	14.22
NOV 24	11.66	JAN 27	11.46	MAR 30	12.51	MAY 26	10.97	JUL 27	14.31	SEP 30	11.31
WATER YEAR 2004		HIGHEST	10.05	APR 28, 2004	LOWEST	14.31	JUL 27, 2004				



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.

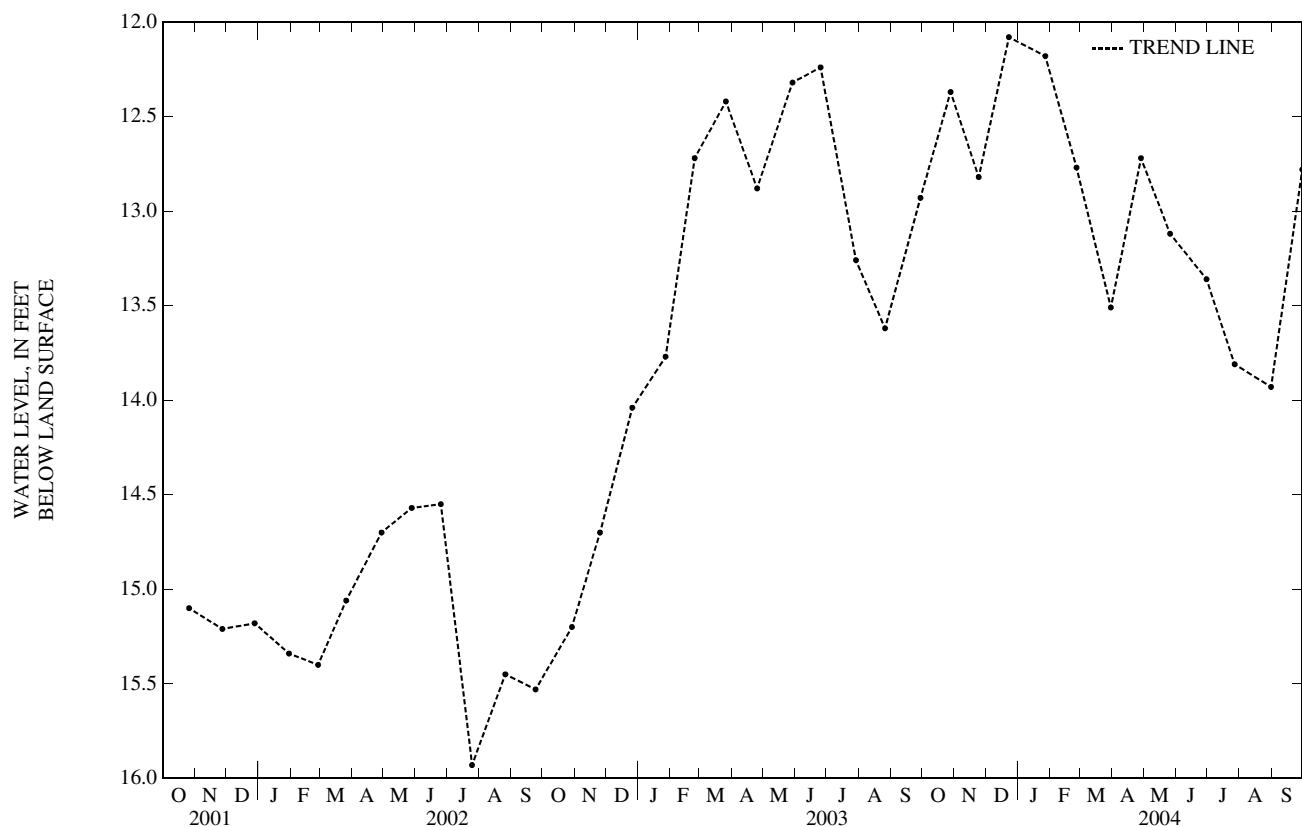
PERIOD OF RECORD.--July 1987 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	12.37	DEC 23	12.08	FEB 26	12.77	APR 28	12.72	JUN 30	13.36	AUG 31	13.93
NOV 24	12.82	JAN 27	12.18	MAR 30	13.51	MAY 26	13.12	JUL 27	13.81	SEP 30	12.78

WATER YEAR 2004 HIGHEST 12.08 DEC 23, 2003 LOWEST 13.93 AUG 31, 2004



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.

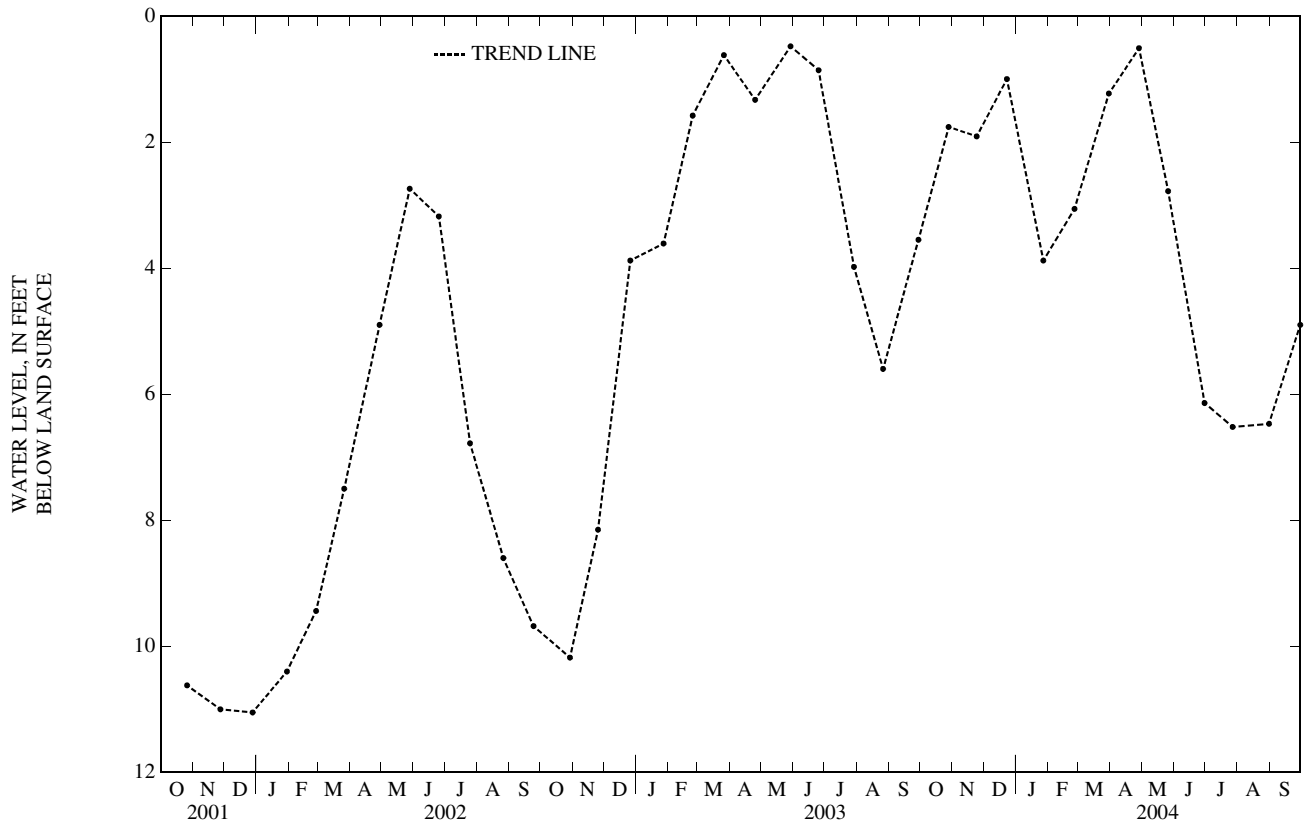
DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 2.00 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	1.76	DEC 23	1.00	FEB 26	3.06	APR 28	.51	JUN 30	6.14	AUG 31	6.47
NOV 24	1.91	JAN 27	3.88	MAR 30	1.23	MAY 26	2.78	JUL 27	6.52	SEP 30	4.90
WATER YEAR 2004		HIGHEST	.51	APR 28, 2004	LOWEST	6.52	JUL 27, 2004				



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.

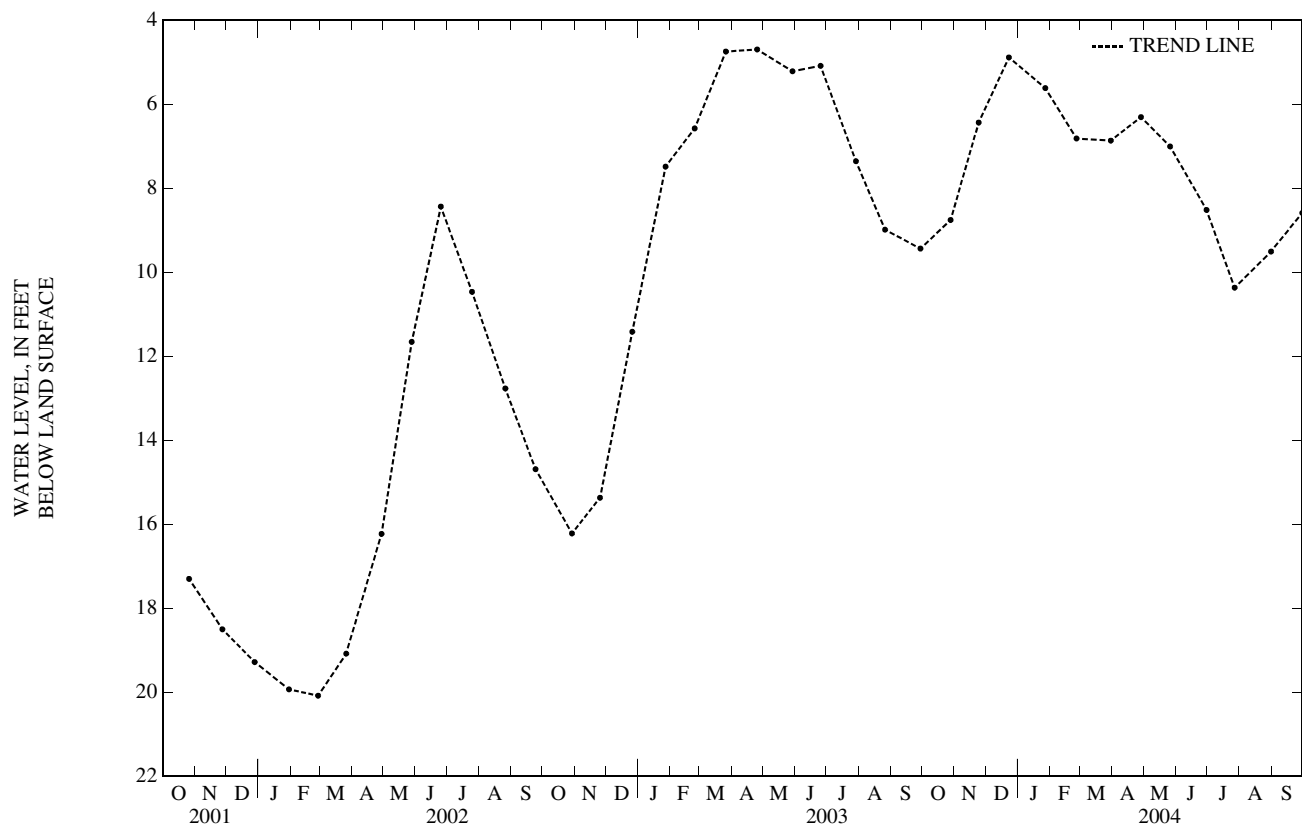
PERIOD OF RECORD.--December 1992 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	8.76	DEC 23	4.89	FEB 26	6.82	APR 28	6.31	JUN 30	8.52	AUG 31	9.51
NOV 24	6.44	JAN 27	5.62	MAR 30	6.87	MAY 26	7.01	JUL 27	10.37	SEP 30	8.59

WATER YEAR 2004 HIGHEST 4.89 DEC 23, 2003 LOWEST 10.37 JUL 27, 2004



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 due to well obstruction.

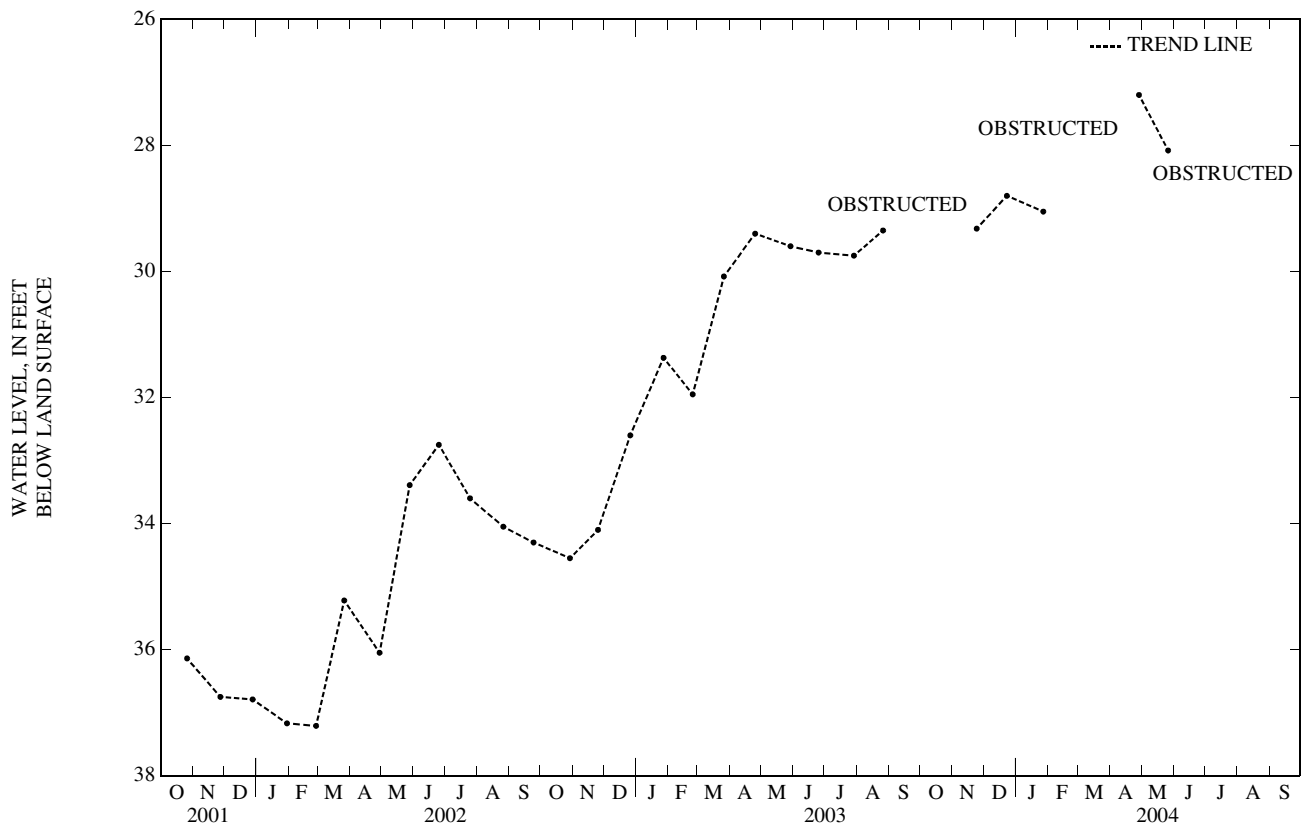
PERIOD OF RECORD.--December 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.65 ft below land surface, 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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	OBS	DEC 23	28.80	FEB 26	OBS	APR 28	27.20	JUN 30	OBS	AUG 31	OBS
NOV 24	29.32	JAN 27	29.05	MAR 30	OBS	MAY 26	28.08	JUL 27	OBS	SEP 30	OBS

WATER YEAR 2004 HIGHEST 27.20 APR 28, 2004 LOWEST 29.32 NOV 24, 2003



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.

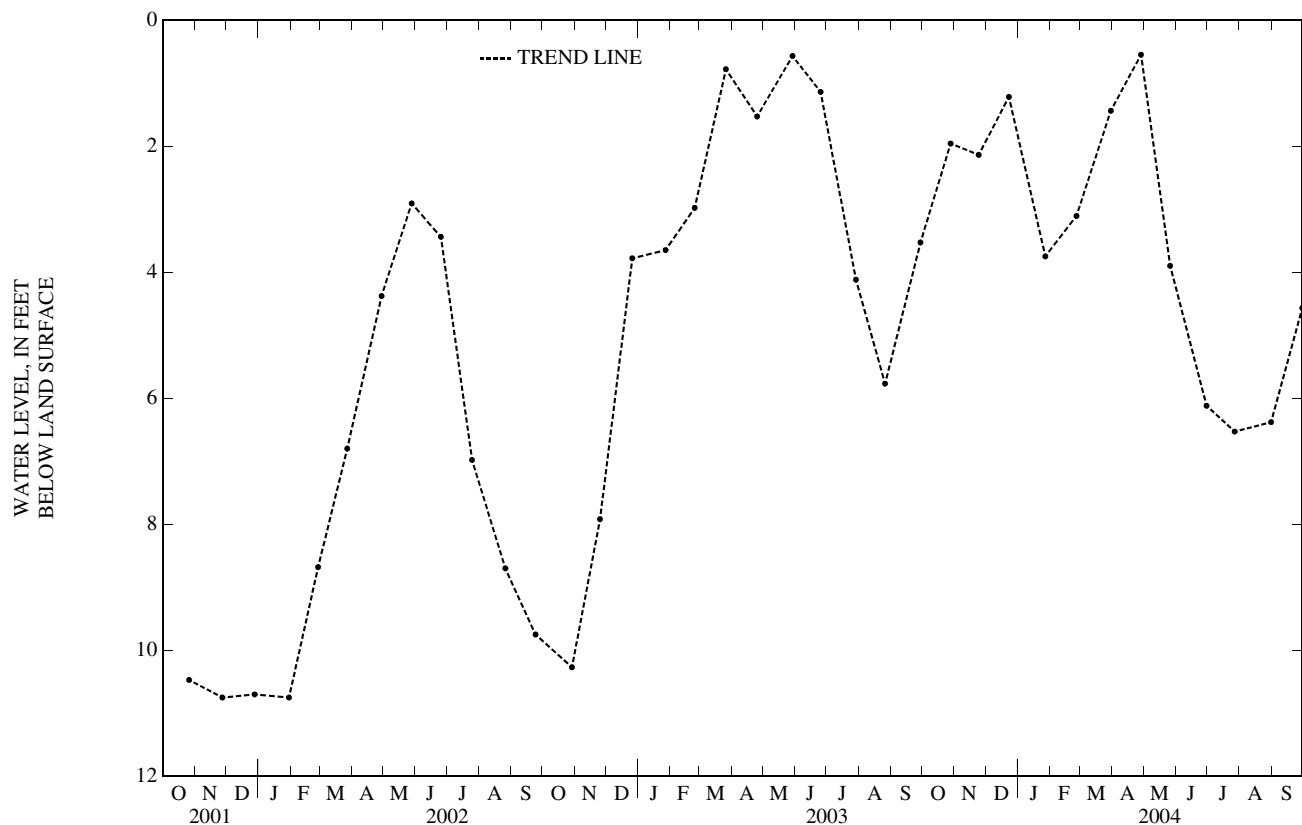
PERIOD OF RECORD.--July 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	1.96	DEC 23	1.22	FEB 26	3.11	APR 28	.55	JUN 30	6.12	AUG 31	6.38
NOV 24	2.14	JAN 27	3.75	MAR 30	1.44	MAY 26	3.90	JUL 27	6.53	SEP 30	4.57

WATER YEAR 2004 HIGHEST .55 APR 28, 2004 LOWEST 6.53 JUL 27, 2004



414831072173002. Local Number, MS 80.

LOCATION.--Lat 41° 48'31", long 72° 17'00", 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.

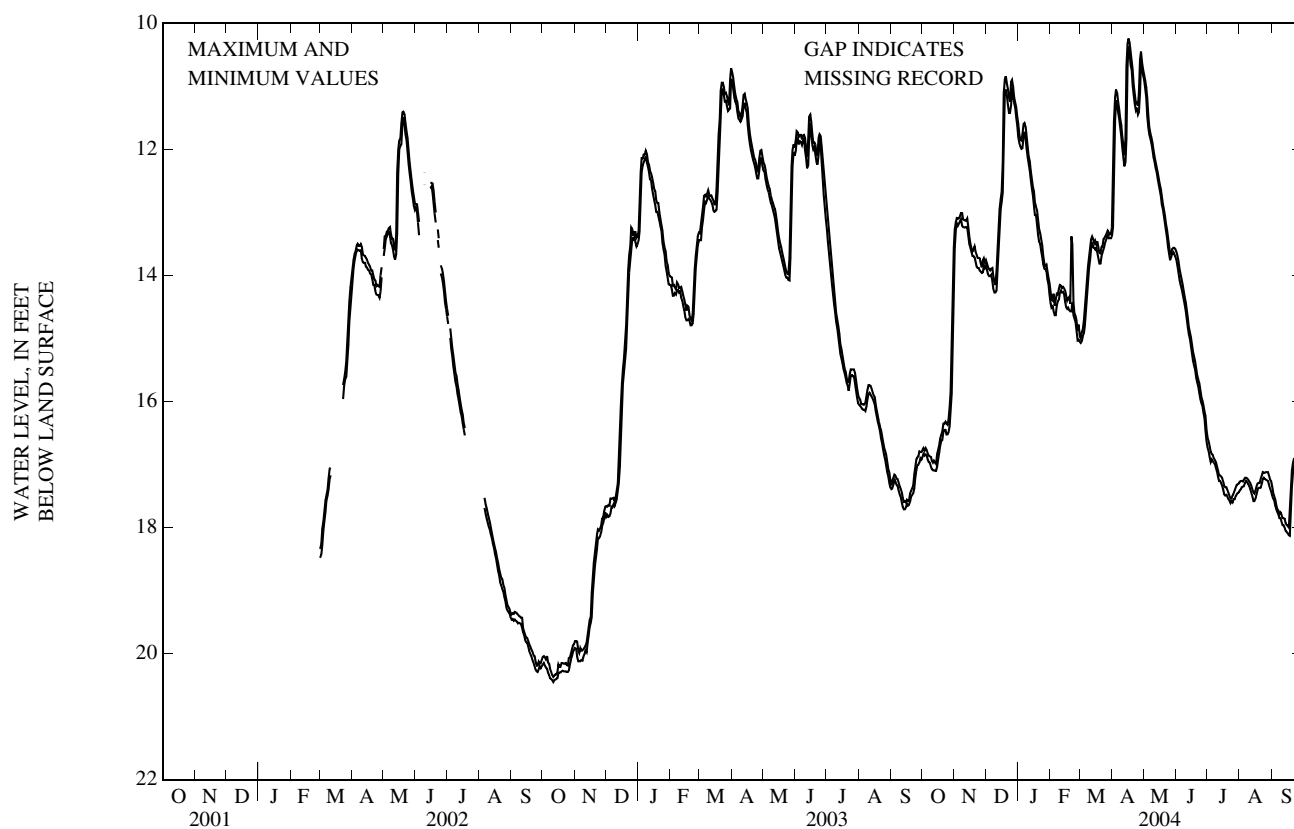
INSTRUMENTATION.--Submersible pressure transducer/data logger installed Feb. 22, 2002, collects 1-hour water-level data. Satellite telemetry at station. All measurements made by USGS personnel.

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, 10.24 ft below land surface, Apr. 16, 2004; lowest water level measured, 27.45 ft below land-surface datum, Mar. 15, 2002.



GROUND-WATER LEVELS
TOLLAND COUNTY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.88	16.77	13.56	13.27	13.84	13.76	11.81	11.60	14.44	14.27	15.07	14.99
2	16.83	16.74	13.27	13.15	13.92	13.81	11.90	11.77	14.51	14.38	15.04	14.90
3	16.86	16.78	13.17	13.09	13.98	13.87	11.95	11.85	14.49	14.40	14.97	14.86
4	16.84	16.74	13.21	13.10	14.01	13.90	11.99	11.86	14.57	14.29	14.92	14.72
5	16.86	16.77	13.18	13.09	14.01	13.92	11.98	11.76	14.63	14.48	14.80	14.52
6	16.92	16.82	13.14	13.06	13.99	13.89	11.79	11.60	14.63	14.38	14.58	14.28
7	16.96	16.86	13.11	13.01	14.09	13.88	11.72	11.58	14.47	14.29	14.38	14.09
8	16.97	16.87	13.21	13.01	14.21	14.01	11.84	11.64	14.41	14.30	14.13	13.85
9	17.03	16.88	13.23	13.11	14.27	14.11	11.99	11.77	14.38	14.21	13.90	13.71
10	17.07	16.94	13.24	13.12	14.27	14.15	12.13	11.94	14.28	14.15	13.75	13.57
11	17.09	16.97	13.24	13.13	14.24	13.93	12.23	12.11	14.24	14.16	13.58	13.43
12	17.09	16.94	13.23	13.13	13.98	13.60	12.34	12.19	14.27	14.20	13.47	13.38
13	17.10	16.97	13.24	13.10	13.60	13.30	12.48	12.34	14.26	14.18	13.55	13.42
14	17.10	16.99	13.38	13.24	13.32	12.95	12.62	12.48	14.29	14.20	13.56	13.49
15	17.03	16.83	13.50	13.38	12.95	12.79	12.72	12.59	14.42	14.24	13.59	13.45
16	16.92	16.77	13.56	13.50	12.84	12.68	12.88	12.67	14.50	14.32	13.56	13.51
17	16.81	16.69	13.62	13.56	12.68	12.20	13.04	12.84	14.53	14.40	13.64	13.46
18	16.70	16.59	13.69	13.62	12.20	11.11	13.04	12.91	14.51	14.36	13.73	13.56
19	16.62	16.53	13.69	13.59	11.11	10.89	13.20	12.96	14.55	14.34	13.81	13.64
20	16.61	16.48	13.71	13.54	11.05	10.84	13.36	13.11	14.57	14.45	13.81	13.65
21	16.48	16.35	13.78	13.62	11.15	10.96	13.46	13.26	14.57	13.38	13.70	13.55
22	16.45	16.35	13.86	13.67	11.29	11.04	13.50	13.33	14.43	13.51	13.64	13.53
23	16.45	16.32	13.88	13.72	11.42	11.18	13.61	13.42	14.63	14.43	13.59	13.42
24	16.52	16.35	13.88	13.72	11.42	11.24	13.71	13.53	14.68	14.60	13.51	13.40
25	16.52	16.37	13.92	13.73	11.30	10.93	13.82	13.69	14.74	14.64	13.46	13.37
26	16.49	16.29	13.94	13.81	11.02	10.90	13.89	13.81	14.88	14.72	13.41	13.33
27	16.39	16.09	13.96	13.87	11.17	11.01	13.90	13.85	15.03	14.88	13.34	13.29
28	16.18	15.85	13.95	13.76	11.26	11.17	13.93	13.83	15.02	14.78	13.41	13.32
29	15.87	15.07	13.84	13.73	11.34	11.26	14.06	13.93	15.05	14.95	13.41	13.35
30	15.07	14.16	13.88	13.80	11.49	11.33	14.14	14.04	---	---	13.41	13.34
31	14.16	13.56	---	---	11.63	11.49	14.30	14.12	---	---	13.38	13.24
MONTH	17.10	13.56	13.96	13.01	14.27	10.84	14.30	11.58	15.05	13.38	15.07	13.24
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.24	12.60	10.90	10.82	13.75	13.62	16.73	16.57	17.41	17.27	17.49	17.35
2	12.60	11.55	11.02	10.90	13.85	13.69	16.79	16.63	17.39	17.26	17.54	17.44
3	11.55	11.18	11.18	11.02	13.95	13.77	16.88	16.71	17.36	17.26	17.57	17.50
4	11.22	11.05	11.47	11.18	14.07	13.90	16.96	16.80	17.35	17.27	17.65	17.55
5	11.30	11.10	11.66	11.47	14.14	13.98	16.92	16.83	17.34	17.24	17.71	17.65
6	11.41	11.24	11.76	11.65	14.21	14.07	16.95	16.85	17.29	17.21	17.75	17.71
7	11.52	11.37	11.83	11.75	14.29	14.14	16.97	16.90	17.26	17.21	17.79	17.73
8	11.65	11.51	11.90	11.81	14.38	14.25	16.99	16.93	17.28	17.22	17.85	17.79
9	11.80	11.62	12.01	11.90	14.46	14.34	17.05	16.96	17.31	17.24	17.85	17.76
10	11.97	11.79	12.12	12.01	14.57	14.43	17.11	17.03	17.34	17.27	17.90	17.79
11	12.12	11.94	12.20	12.12	14.69	14.55	17.19	17.09	17.39	17.29	17.96	17.85
12	12.27	12.09	12.29	12.20	14.83	14.68	17.26	17.17	17.45	17.34	17.96	17.85
13	12.21	11.83	12.36	12.29	14.93	14.82	17.26	17.17	17.50	17.39	18.00	17.86
14	11.83	10.68	12.46	12.36	15.01	14.91	17.29	17.19	17.58	17.44	18.05	17.93
15	10.68	10.32	12.56	12.46	15.12	14.98	17.33	17.21	17.58	17.46	18.07	17.96
16	10.36	10.24	12.64	12.55	15.25	15.11	17.40	17.27	17.54	17.41	18.09	17.97
17	10.48	10.31	12.74	12.63	15.35	15.21	17.47	17.34	17.47	17.35	18.12	18.00
18	10.66	10.45	12.87	12.74	15.43	15.29	17.49	17.36	17.40	17.30	18.13	17.75
19	10.74	10.61	12.95	12.87	15.49	15.36	17.48	17.36	17.37	17.29	17.75	17.35
20	10.99	10.74	13.06	12.95	15.62	15.48	17.51	17.40	17.37	17.29	17.36	17.10
21	11.14	10.99	13.18	13.06	15.69	15.58	17.55	17.45	17.37	17.23	17.13	16.97
22	11.28	11.12	13.28	13.18	15.76	15.65	17.57	17.49	17.31	17.18	17.02	16.91
23	11.38	11.27	13.41	13.28	15.86	15.70	17.61	17.54	17.23	17.12	16.99	16.90
24	11.34	11.26	13.55	13.41	15.96	15.82	17.58	17.54	17.21	17.13	17.00	16.89
25	11.45	11.31	13.66	13.55	16.02	15.92	17.60	17.49	17.23	17.13	16.98	16.87
26	11.41	11.09	13.76	13.66	16.07	15.98	17.55	17.46	17.24	17.12	16.99	16.86
27	11.09	10.57	13.71	13.65	16.17	16.06	17.55	17.41	17.25	17.12	17.02	16.90
28	10.63	10.45	13.66	13.58	16.27	16.16	17.50	17.37	17.26	17.12	17.00	16.81
29	10.73	10.63	13.63	13.56	16.46	16.23	17.47	17.32	17.32	17.17	16.88	16.63
30	10.82	10.73	13.66	13.56	16.64	16.46	17.45	17.31	17.38	17.24	16.68	16.43
31	---	---	13.70	13.58	---	---	17.44	17.30	17.42	17.26	---	---
MONTH	13.24	10.24	13.76	10.82	16.64	13.62	17.61	16.57	17.58	17.12	18.13	16.43
YEAR	18.13	10.24										

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.

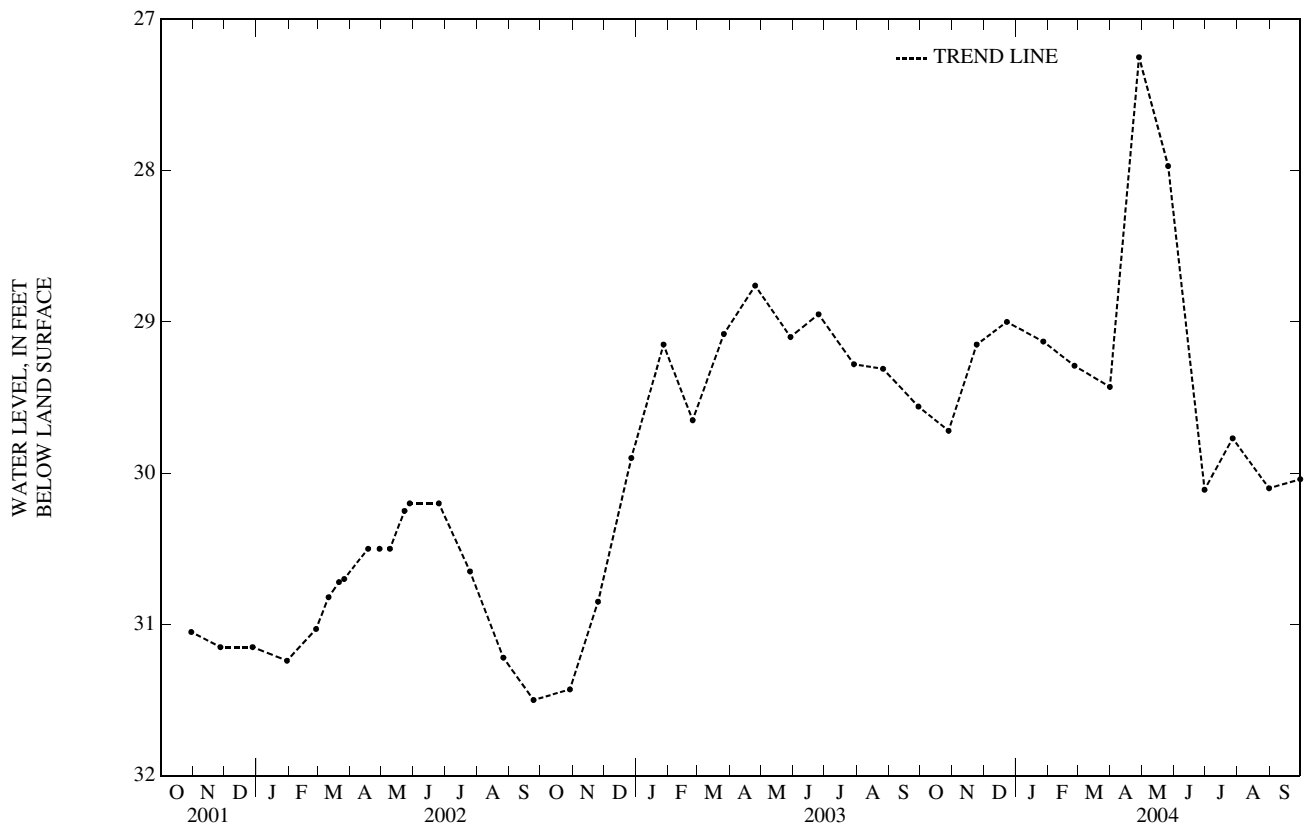
PERIOD OF RECORD.--October 1942 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	29.72	DEC 23	29.00	FEB 26	29.29	APR 28	27.25	JUN 30	30.11	AUG 31	30.10
NOV 24	29.15	JAN 27	29.13	MAR 31	29.43	MAY 26	27.97	JUL 27	29.77	SEP 30	30.04

WATER YEAR 2004 HIGHEST 27.25 APR 28, 2004 LOWEST 30.11 JUN 30, 2004



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.

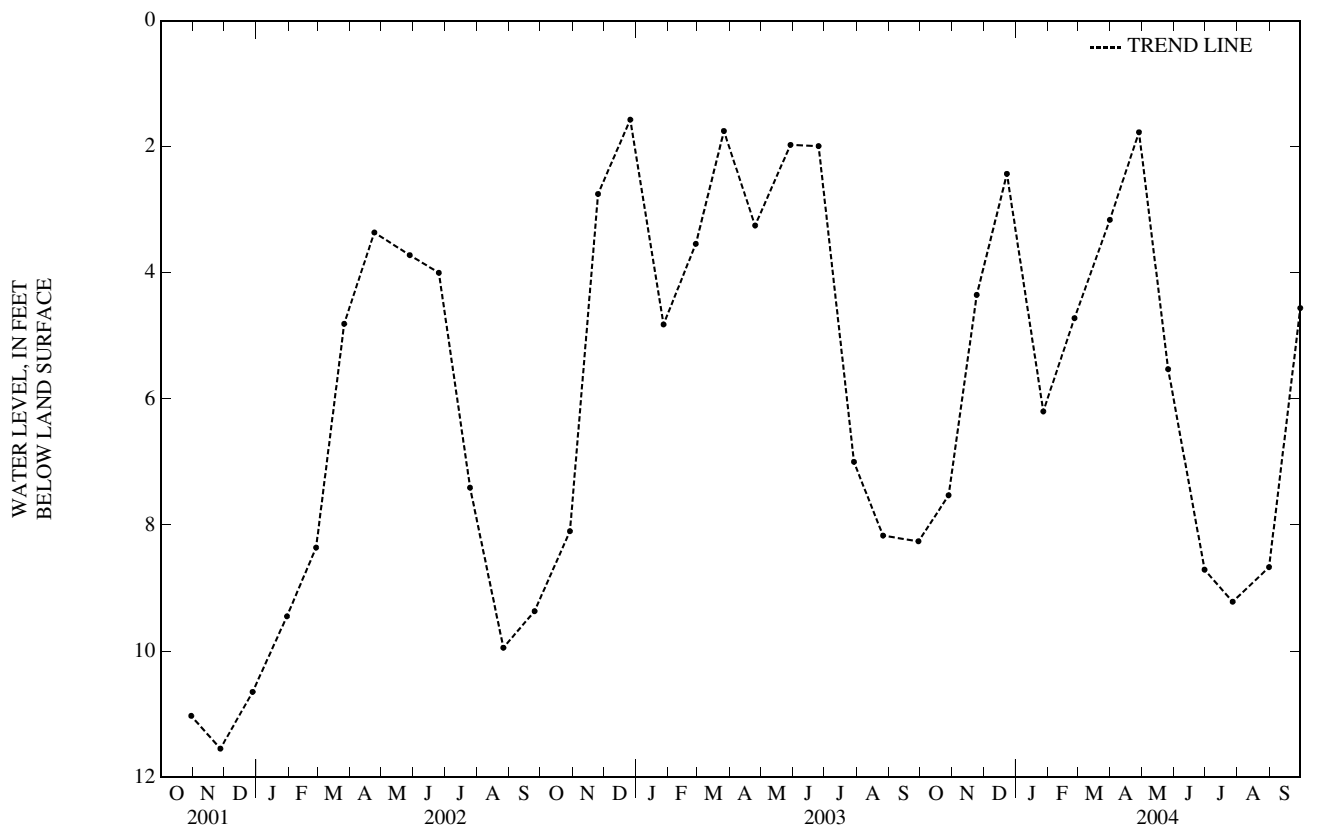
DATUM.-- Elevation of land-surface datum is 498 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 1.28 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	7.53	DEC 23	2.43	FEB 26	4.72	APR 28	1.77	JUN 30	8.71	AUG 31	8.67
NOV 24	4.35	JAN 27	6.20	MAR 31	3.16	MAY 26	5.53	JUL 27	9.22	SEP 30	4.56
WATER YEAR 2004 HIGHEST 1.77 APR 28, 2004 LOWEST 9.22 JUL 27, 2004											



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.

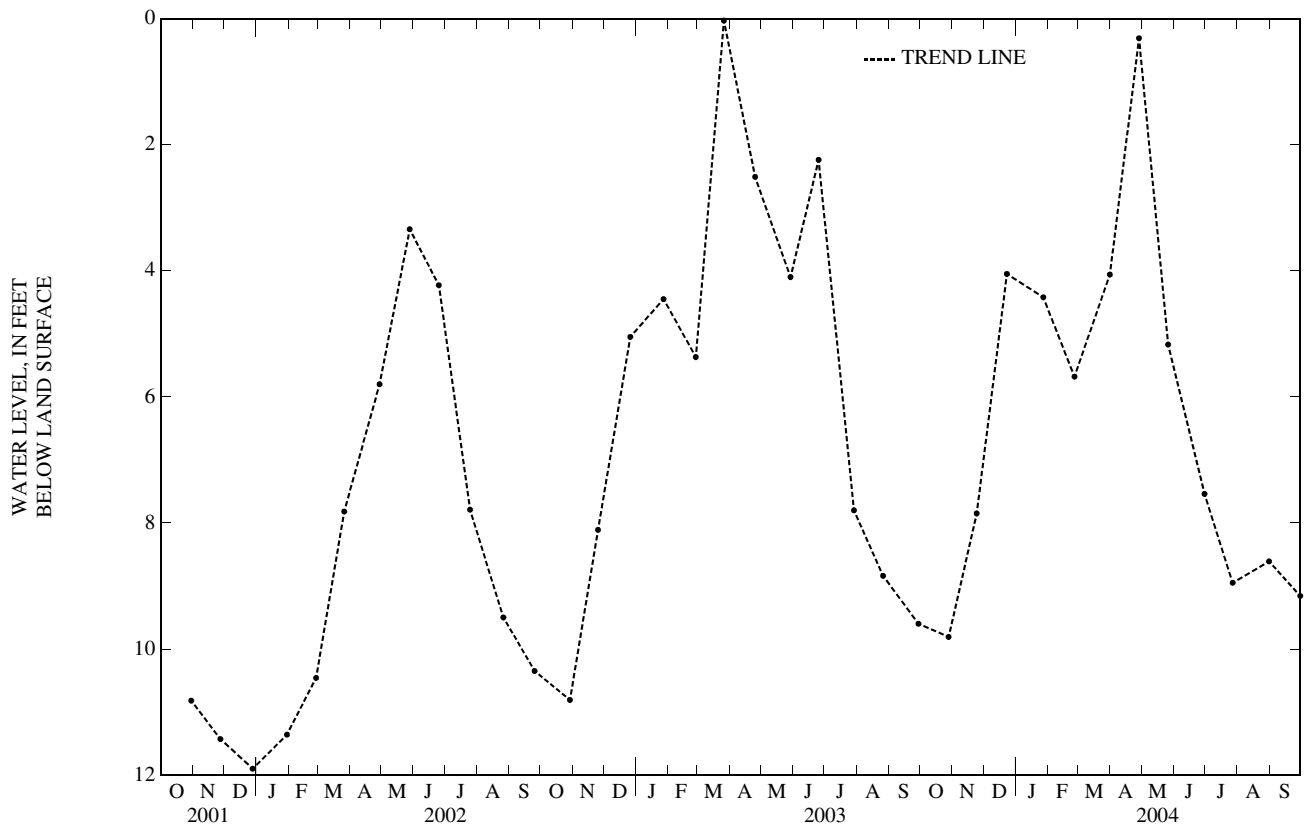
DATUM.-- Elevation of land-surface datum is 350 ft above sea level, from topographic map. Measuring point: Top of PVC coupling 2.27 ft above land-surface datum.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.81	DEC 23	4.05	FEB 26	5.68	APR 28	.31	JUN 30	7.54	AUG 31	8.61
NOV 24	7.85	JAN 27	4.42	MAR 31	4.06	MAY 26	5.17	JUL 27	8.95	SEP 30	9.16
WATER YEAR 2004 HIGHEST		.31	APR 28, 2004 LOWEST		9.81	OCT 28, 2003					



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.

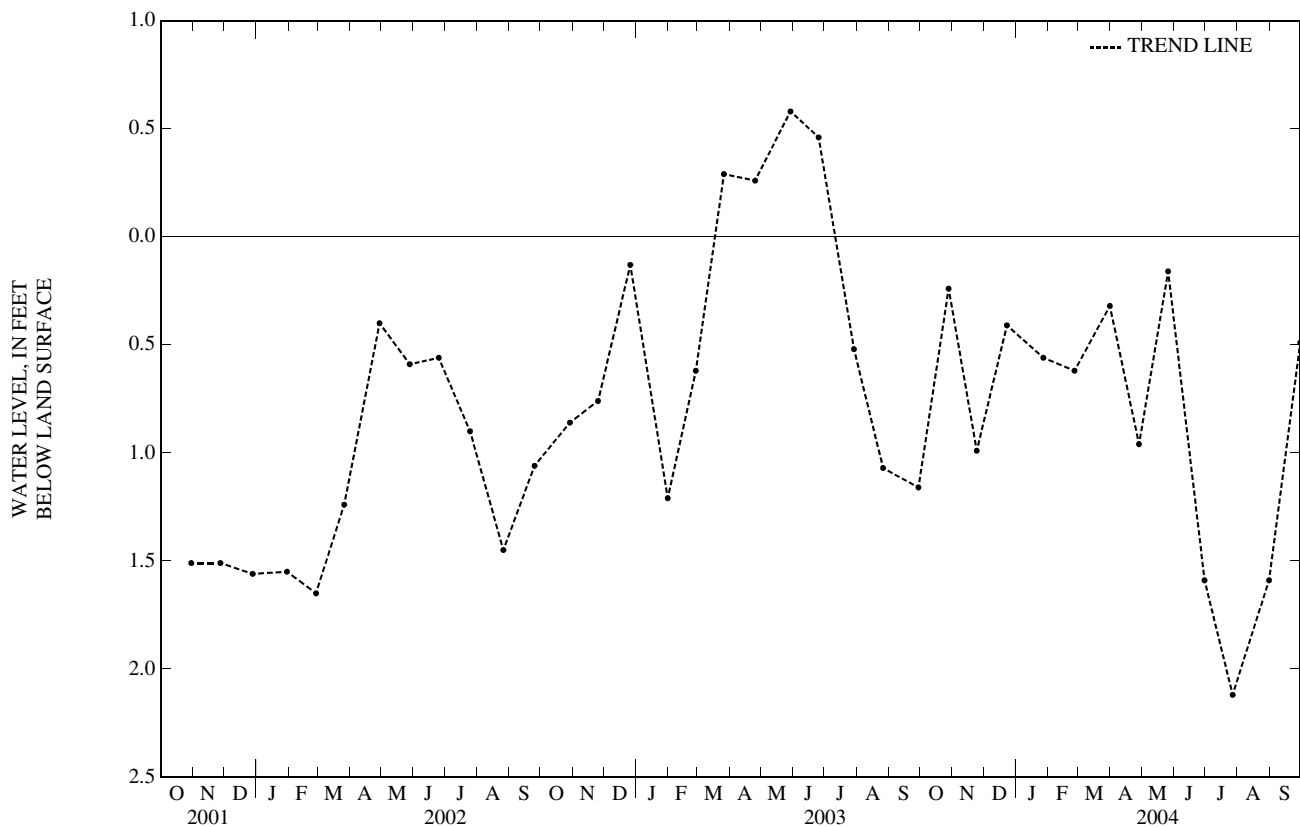
DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map. Measuring point: Top of steel protective casing between hacksaw marks, 3.96 ft above land-surface datum.

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, 2.12 ft below land-surface datum, July 27, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	.24	DEC 23	.41	FEB 26	.62	APR 28	.96	JUN 30	1.59	AUG 31	1.59
NOV 24	.99	JAN 27	.56	MAR 31	.32	MAY 26	.16	JUL 27	2.12	SEP 30	.49
WATER YEAR 2004 HIGHEST .16 MAY 26, 2004 LOWEST 2.12 JUL 27, 2004											



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.

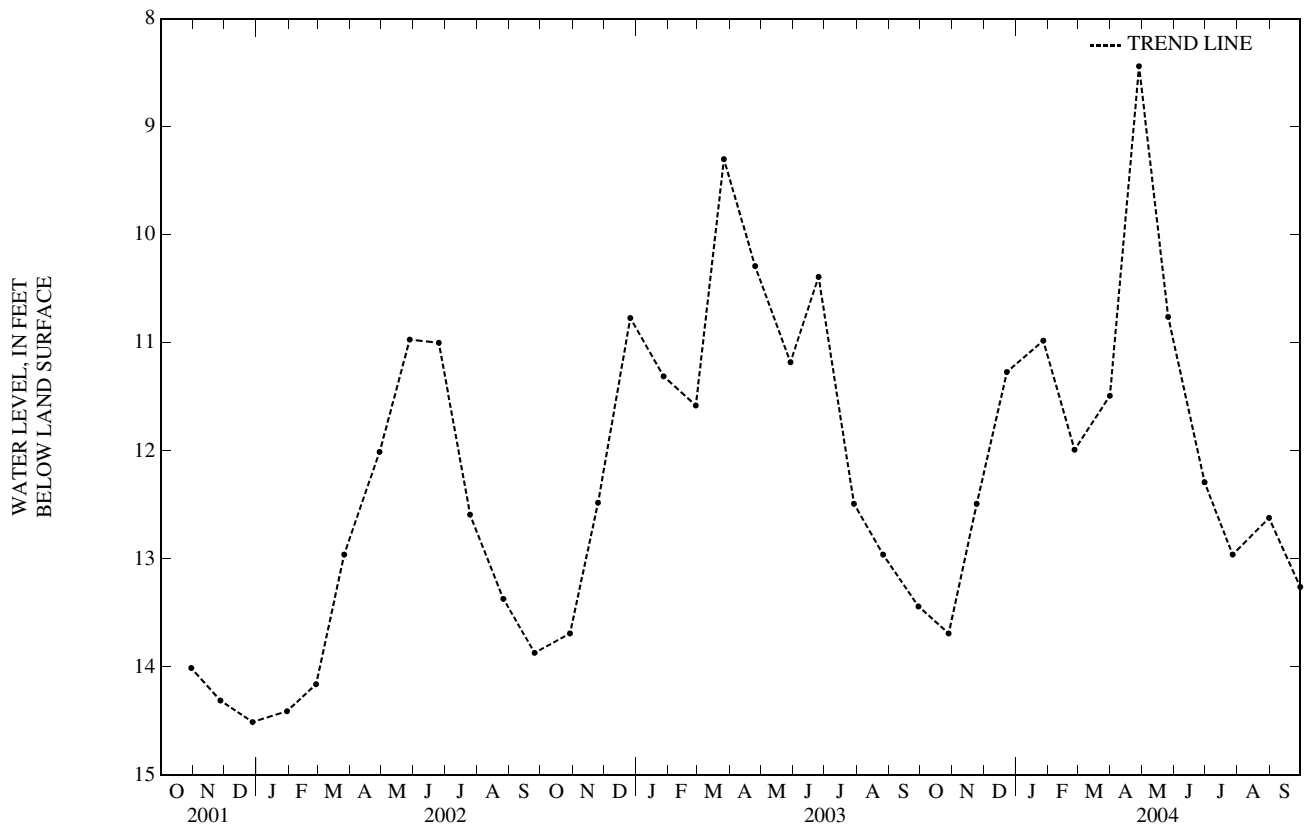
PERIOD OF RECORD.--October 1984 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	13.69	DEC 23	11.27	FEB 26	11.99	APR 28	8.44	JUN 30	12.29	AUG 31	12.62
NOV 24	12.49	JAN 27	10.98	MAR 31	11.49	MAY 26	10.76	JUL 27	12.96	SEP 30	13.26

WATER YEAR 2004 HIGHEST 8.44 APR 28, 2004 LOWEST 13.69 OCT 28, 2003



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.

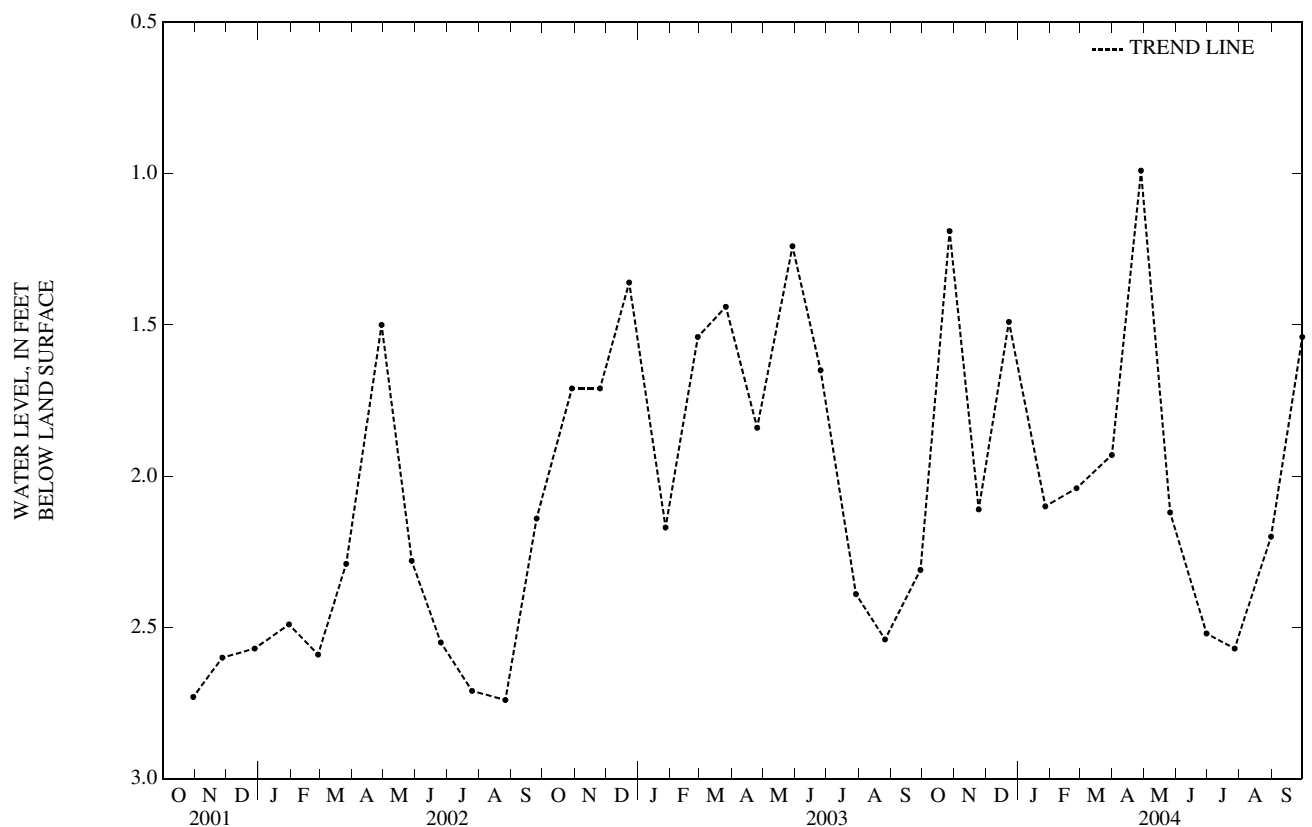
PERIOD OF RECORD.--December 1993 to current year.

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 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	1.19	DEC 23	1.49	FEB 26	2.04	APR 28	.99	JUN 30	2.52	AUG 31	2.20
NOV 24	2.11	JAN 27	2.10	MAR 31	1.93	MAY 26	2.12	JUL 27	2.57	SEP 30	1.54

WATER YEAR 2004 HIGHEST .99 APR 28, 2004 LOWEST 2.57 JUL 27, 2004



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2003

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							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
							30													

2004

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	1	2	3	4	5	6	7		1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	7	8	9	10	11	12	13
11	12	13	14	15	16	17	15	16	17	18	19	20	21	14	15	16	17	18	19	20
18	19	20	21	22	23	24	22	23	24	25	26	27	28	21	22	23	24	25	26	27
25	26	27	28	29	30	31	29							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							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												
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	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
101 Pitkin St.
East Hartford, CT 06108

