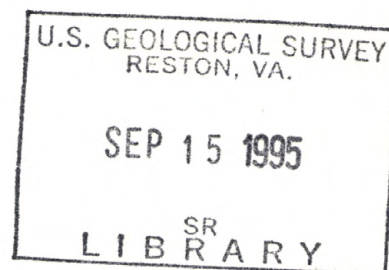


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Water Resources Data Connecticut Water Year 1994



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-94-1
Prepared in cooperation with the State of Connecticut
and with other agencies

CALENDAR FOR WATER YEAR 1994

1993

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1994

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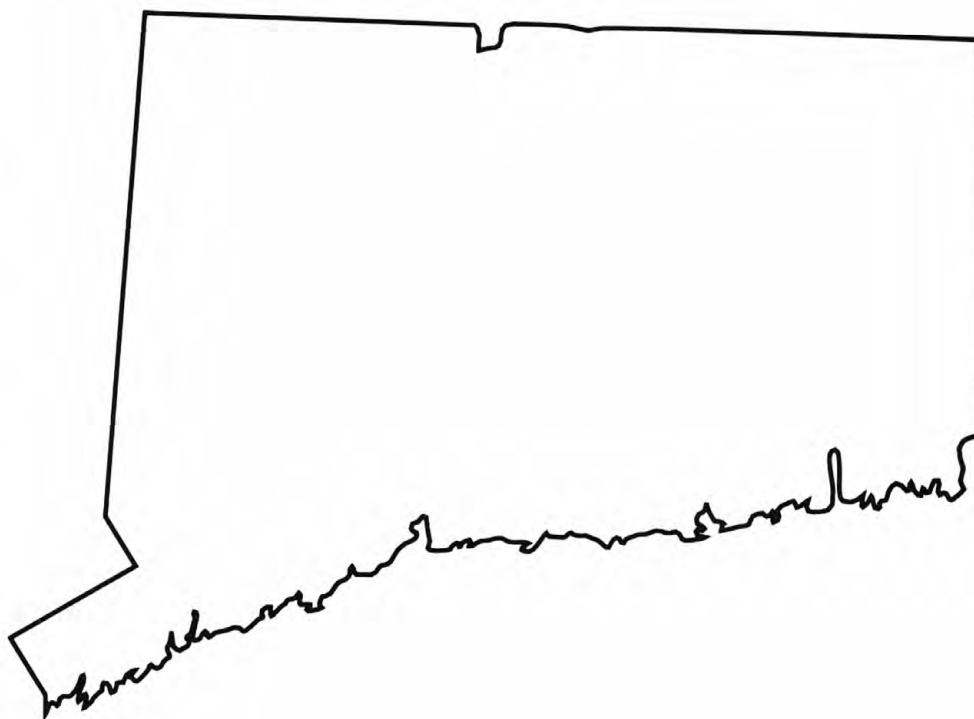
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					1	2	1	2	3	4	5	6	7				1	2	3	4
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
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Water Resources Data Connecticut Water Year 1994

by B.S. Davies 3rd, J.R. Bohr, J.R. Mullaney, and Jonathan Morrison



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-94-1
Prepared in cooperation with the State of Connecticut
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Gordon P. Eaton, Director

For information on the water program in Connecticut, write to:

Connecticut District Chief, Water Resources Division
U.S. Geological Survey
450 Main Street, Room 525
Hartford, Connecticut 06103

1995

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:

Terrance M. Collins
Steven S. Kiesman

Timothy W. Frick
John A. Organek

Barbara A. Korzendorfer edited the report and assisted with preparation of the final manuscript. Michael Macionus prepared the illustrations. Ken Toppin and Michael Coakly, of the New Hampshire District Office, and William Bartlett and Glen Hodgkins, of the Maine District Office, reviewed parts of the report.

This report was prepared in cooperation with the State of Connecticut and with other agencies under the general supervision of Chester E. Thomas, Jr., Chief, Connecticut District.

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13. ABSTRACT (Maximum 200 words) Water resources data for the 1994 water year for Connecticut consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels of ground-water wells. Specifically, it contains: (1) discharge records for 44 streamflow-gaging stations; (2) stage-only records for 4 tidal-gaging stations; (3) 41 partial-record or miscellaneous streamflow stations; (4) water-quality records for 14 streamflow-gaging stations, for 15 ungaged stream sites, for 2 lakes and reservoirs, for 22 miscellaneous stations, and for 67 wells; and (5) water-level records for 91 observation wells. Locations of these sites are shown on Figures 1, 2 and 3. Additional water data were collected at various sites involved in the systematic data-collection program and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Connecticut.				
14. SUBJECT TERMS *Connecticut, *Hydrologic data, *Surface water, * Ground water, *Water quality, Streamflow, Flow rates, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Estuaries			15. NUMBER OF PAGES 348	
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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, (s) sediment]

	Station number	Page
NORTH ATLANTIC SLOPE BASIN		
PAWCATUCK RIVER BASIN		
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Wyassup Brook:		
Pendleton Hill Brook near Clarks Falls (d).....	01118300	31
Pawcatuck River at Westerly, R.I. (d,c,m,s).....	01118500	32
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Shetucket River (continuation of Willimantic River) near Willimantic (d).....	01122500	41
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Scantic River:		
Broad Brook at Broad Brook (d).....	01184490	65
Farmington River:		
West Branch Farmington River at Riverton (d).....	01186000	66
Still River at Robertsville (d).....	01186500	67
Hubbard River (head of East Branch Farmington River) near West Hartland (d).....	01187300	68
Burlington Brook near Burlington (d,c,m).....	01188000	69
Farmington River at Unionville (d,c,m).....	01188090	71
Pequabuck River at Forestville (d).....	01189000	74
Pequabuck River at Farmington (c,m).....	01189030	75
Farmington River at Tariffville (d,c,m).....	01189995	77
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Hockanum River near East Hartford (d,c,m).....	01192500	83
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Quinnipiac River at Southington (d)	01195490	101
Quinnipiac River near Meriden (c,m)	01196222	102
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Salmon Creek at Lime Rock (d)	01199050	117
Tenmile River at South Dover near Wingdale, NY (c)	01199900	118
Tenmile River near Gaylordsville (d)	01200000	121
Housatonic River at Gaylordsville (d)	01200500	122
Still River at Rt 7 at Brookfield Center (c,m)	01201487	123
Shepaug River near Roxbury (c,m)	01203000	125
Pomperaug River at Southbury (d)	01204000	127
Lake Zoar at Stevenson (t)	01205000	128
Housatonic River at Stevenson (d,c,m,s)	01205500	129
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West Branch Naugatuck River at Torrington (d)	01205600	133
East Branch Naugatuck River at Torrington (d)	01205700	134
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GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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Well 413007073250501 Local number BD8	181
Well 411256073153101 Local number FF23	182
Well 411124073172201 Local number FF30	183
Well 411118073175801 Local number FF 31	184
Well 411030073181301 Local number FF32	185
Well 411058073182001 Local number FF33	186
Well 412429073165101 Local number NT15	187
HARTFORD COUNTY	
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Well 415450072332201 Local number EW133	189
Well 415548072311301 Local number EW134	190
Well 415649072494801 Local number GR328	191
Well 415647072495901 Local number GR329	192
Well 415643072502201 Local number GR330	193
Well 415653072501701 Local number GR331	194
Well 414547072304801 Local number M 158	195
Well 414624072283301 Local number M 160	196
Well 414637072314401 Local number M 165	197
Well 414631072332301 Local number M 168	198
Well 414618072331101 Local number M 170	199
Well 414528072305101 Local number M 171	200
Well 414509072304301 Local number M 172	201
Well 414616072310201 Local number M 176	202
Well 414616072310202 Local number M 177	203
Well 414616072310203 Local number M 178	204
Well 414627072322601 Local number M 179	205
Well 414627072322602 Local number M 180	206
Well 414627072322603 Local number M 181	207
Well 414556072324901 Local number M 182	208
Well 414706072332901 Local number M 183	209
Well 414706072332902 Local number M 184	210
Well 414706072332903 Local number M 185	211
Well 414617072314801 Local number M 186	212
Well 414617072314802 Local number M 187	213
Well 414617072314803 Local number M 188	214
Well 414605072302101 Local number M 189	215
Well 413535072253701 Local number MB32	216
Well 413554072270201 Local number MB35	217
Well 413518072264501 Local number MB36	218
Well 413724072551101 Local number SW64	219
LITCHFIELD COUNTY	
Well 420125073193001 Local number NOC7	220
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Well 415554073253401 Local number SY23	222
Well 415956073241501 Local number SY24	223
Well 413202073122401 Local number WY1	224

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Well 411832072325501 Local number CL223.....		225
Well 411826072322401 Local number CL224		226
Well 411735072315001 Local number CL225.....		227
Well 412809072420701 Local number D116.....		228
Well 412825072410501 Local number D117.....		229
Well 412724962411902 Local number D119.....		230
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Well 413033072432001 Local number MF1.....		232
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Well 412546072541702 Local number HM446		235
Well 412546072541701 Local number HM447		236
Well 412541072542001 Local number HM448		237
Well 412417072541901 Local number HM449		238
Well 412417072541902 Local number HM450		239
Well 411723072344701 Local number MA314		240
Well 412396962515201 Local number NHV201.....		241
Well 412550072510701 Local number NHV202.....		242
Well 412954073125201 Local number SB30		243
Well 413002073131001 Local number SB39		244
Well 412935073122701 Local number SB41.....		245
Well 412916073121701 Local number SB42		246
Well 413134073021701 Local number WB93		247
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Well 414833072190301 Local number CV51		254
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Well 414843072182601 Local number MS74		262
Well 414815072183401 Local number MS75		263
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Well 414240072032201 Local number SC21.....		269
Well 414240072033201 Local number SC22.....		270
Well 414240072032202 Local number SC23.....		271

Discontinued surface-water discharge or stage-only stations

The following continuous-record surface-water gaging stations have been discontinued. All listed stations had daily streamflow or stage records published for the period of record, expressed in water years. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
POQUONOCK RIVER BASIN			
01119000	Great Brook at Poquonock Bridge (stage only)	14.5	1946-67
THAMES RIVER BASIN			
01119280	Willimantic River at Stafford Springs	52.9	1963-67
01119320	Roaring Brook near Stafford Springs	14.7	1961-66
01120000	Hop River near Columbia	73.9	1932-71
01120500	Safford Brook near Woodstock Valley	4.16	1950-81
01125415	Muddy Brook near Woodstock	20.2	1979-83
01125440	Little River at Harrisville	35.7	1961-71
01126000	Fivemile River at Killingly	57.8	1938-71
01126500	Moosup River at Moosup	83.2	1933-71
01126600	Blackwell Brook near Brooklyn	16.8	1964-76
01126950	Pachaug River at Pachaug	53.2	1961-75
CONNECTICUT RIVER BASIN			
01183950	Grape Brook at Thompsonville	2.46	1967-69
01184280	Scantic River near North Somers	27.0	1967-69
01184500	Scantic River at Broad Brook	97.8	1928-71
01186100	Mad River at Winsted	18.5	1957-69
01186400	Sandy Brook at Robertsville	35.2	1968-76
01187000	West Branch Farmington River at Riverton	218	1929-55
01187400	Valley Brook near West Hartland	7.35	1940-74
01187680	Cherry Brook near Canton Center	8.12	1967-71
01187800	Nepaug River near Nepaug	23.6	1918-55; 1958-72
01187850	Clear Brook near Collinsville	.53	1917-73
01187980	Farmington River at Collinsville	360	1963-77
01189180	Hop Brook at West Simsbury	1.38	1967-71
01189190	Stratton Brook at West Simsbury	1.50	1967-71
01189200	Stratton Brook near Simsbury	5.48	1966-71
01189210	Hop Brook near Simsbury	11.2	1966-71
01189390	East Branch Salmon Brook at Granby	39.1	1964-76
01189500	Salmon Brook at Granby	66.7	1946-63

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			
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
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	Mattabessett River at East Berlin	46.6	1962-71
01193800	Hemlock Valley Brook at Hadlyme	2.66	1960-76
01194000	Eightmile River at North Plain	20.3	1939-66
01194500	East Branch Eightmile River near North Lyme	22.4	1937-81
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
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

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
HOUSATONIC RIVER BASIN--Continued			
01199200	Guinea Brook at Ellsworth	3.56	1960-81
01201190	West Aspetuck River near New Milford	23.7	1963-72
01201500	Still River near Lanesville	67.5	1932-66
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
01203600	Nonewaug River at Minortown	17.6	1962-76
01204800	Copper Mill Brook near Monroe	2.46	1958-76
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 Waterbury	245	1918-24; 1928-55
SAUGATUCK RIVER BASIN			
01208999	Little River at Sanfordtown	5.55	1965-68
01209110	Aspetuck River at Aspetuck	19.1	1962-67
01209500	Saugatuck River near Westport	79.9	1932-67
RIPPOWAM RIVER BASIN			
01209900	Rippowam River at Stamford	33.6	1975-77
01209901	Rippowam River at Stamford	34.2	1977-82
BYRAM RIVER BASIN			
01212100	East Branch Byram River at Riversville	11.2	1963-69

Discontinued surface-water quality network stations

The following stations were discontinued as continuous-record or periodic surface-water-quality network stations prior to the 1993 water year. Discontinued network stations with less than 9 months of record have not been included. Discontinued project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back of the title page of this report.

STATION NUMBER	STATION NAME	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD
PAWCATUCK RIVER BASIN			
01118525	Pawcatuck River near Pawcatuck	302	1974-76
THAMES RIVER BASIN			
01122001	Natchaug River at Willimantic	174	1974-80
01125150	French River at Mechanicsville	107	1962-63; 1974-91
01125200	Quinebaug River at Putnam	288	1962; 1974-80
01125720	Quinebaug River at Pomfret Landing	376	1962-64; 1974-80
01127701	Thames River near Mohegan	1,382	1963; 1974-81
CONNECTICUT RIVER BASIN			
01184100	Stony Brook near West Suffield	10.4	1980-91
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	3.87	1975-81
01190069	Connecticut River at Hartford	10,492	1974-76
01191510	Park River at Hartford	72.6	1974-79
01192370	Porter Brook near Manchester	2.44	1976-81
01192516	Hockanum River at East Hartford	76.1	1974-91
01192911	Connecticut River at Middletown	10,869	1974-91
01193630	Salmon River at Leesville Fishway at Leesville	111	1981-92
LONG ISLAND SOUND			
01196656	New Haven Harbor near New Haven	--	1974-91
HOUSATONIC RIVER BASIN			
01198135	Housatonic River near Sodom	471	1984-91
01198550	Housatonic River near Canaan	586	1974-83
01200600	Housatonic River near New Milford	1,022	1962-63; 1974-91
01201485	Still River at Brookfield Center	60.6	1971-72; 1974-92
01201700	Lake Lillinonah near Brookfield Center 1,214	1,214	1974-91
01204510	Lake Zoar at Riverside	1,511	1974-91
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

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INTRODUCTION

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

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) discharge records for 44 streamflow-gaging stations, and for 41 partial-record or miscellaneous streamflow stations; (2) stage-only records for 4 tidal-gaging stations; (3) water-quality records for 14 streamflow-gaging stations, for 15 ungaged stream sites, for 2 lakes and reservoirs, for 22 miscellaneous stations, and for 67 wells; and (4) water-level records for 91 observation wells. Records included for stream stages and for ground-water levels are only a small fraction of those obtained during the water year.

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 1971, 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, Books and Open-File Reports, Federal Center, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report CT-94-1." 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 in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc-Read Only Memory (CD-ROM). All data reports published for the current water-year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

Additional information, including current prices, for ordering specific reports may be obtained from the Geological Survey, Connecticut District, by writing to the address given on the back of the title page or by telephoning (203) 240-3060. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

COOPERATION

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

- State Department of Environmental Protection,**
Timothy R. E. Keeney, Commissioner.
- Town of Fairfield,** Conservation Commission,
Thomas J. Steinke, Conservation Director.
- City of New Britain,** Board of Water Commissioners,
John A. McManus, Director of Water.
- South Central Connecticut Regional Water Authority,**
Christopher Hebbard, Director of Operations
and Engineering.
- City of Torrington,** Joseph Cosentino, City Engineer.
- Lake Waramaug Interlocal Commission,** Alan Chapin,
First Selectman, Town of Washington;
Chairman, Lake Waramaug Interlocal
Commission of towns of Kent, Warren,
and Washington.
- Town of Woodbury,** Katherine A. Campbell,
First Selectman.

Assistance in the form of funds was given by the U.S. Army Corps of Engineers, in collecting records for 14 gaging stations published in this report.

The following organizations aided in collecting records: Metropolitan Water Bureau of Hartford; city of Waterbury; Massachusetts Department of Natural Resources; Connecticut Light and Power Co.; city of Wallingford; Farmington River Power Co.; South Central Connecticut Regional Water Authority.

Organizations that supplied data are acknowledged in station description.

SUMMARY OF HYDROLOGIC CONDITIONS

Precipitation

Precipitation was measured at 11 stations during the 1994 water year. The stations are located at Bridgeport, Cockaponset, Groton, Hartford, Mansfield Hollow Dam, Mount Carmel, Norfolk, Putnam Lake, Shepaug Dam, Stevenson Dam, and Storrs. Cumulative precipitation and departures from normal are shown in table 2. Precipitation totals statewide for the 1994 water year were about 9 percent above the median annual total, based on the period October 1951 to September 1980. Annual precipitation was above normal for the entire State, except for three locations: Groton, Mount Carmel, and Putnam Lake, which were in the normal range.

Table 1.--Precipitation and departure from normal, in inches, for the 1994 water year for index stations in Connecticut

[Data from the National Weather Service; median values have been computed for water years 1951-80]

STATION	CUMULATIVE PRECIPITATION 1994 WATER YEAR	DEPARTURE FROM MEDIAN ANNUAL
Bridgeport	43.29	1.87
Cockaponset	56.70	6.81
Groton	45.96	-3.94
Hartford WSO AP	53.08	10.30
Mansfield Hollow Dam	59.20	13.91
Mount Carmel	46.62	-1.94
Norfolk	57.19	4.02
Putnam Lake	45.36	-5.18
Shepaug Dam	61.05	12.65
Stevenson Dam	50.48	0.78
Storrs	54.26	6.70

Reservoir Storage

Typical seasonal variations in the amount of storage in the 8 principal municipal systems occurred during the year. The systems range in usable capacity from 1.15 billion gallons (bg) (at Norwalk) to 39.8 bg (at Hartford). Systems are grouped by size: Hartford, Waterbury, and Bridgeport are classified as large systems; Stamford, New Britain, and Groton are classified as medium systems; Norwalk and Wallingford are classified as small systems. Storage in all reservoirs was below normal in October and November but recovered in December to produce above-normal storage in the large systems. The large systems remained above normal for the rest of the water year. The medium systems increased to above normal from January to May but fell below normal in June and July, and then returned to above normal in August and September. The small systems averaged above normal in February and remained above normal through May, averaging below normal in June and July and returning to above normal in August and September.

Ground-Water Levels

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

In general, ground-water levels were below normal in October and November. Heavy rain in the beginning of December increased most ground-water levels to above normal. The levels remained above normal in January and fell into the normal range in February. Precipitation in March caused many key observation wells to rise into the above-normal range; these levels continued into April. Levels declined in most wells during May and June and fell into the below-normal range. Below-normal conditions persisted in most wells through July, but heavy rain in August and September brought most well levels to the normal or above-normal range.

Runoff

Runoff was measured at four index stations during the 1994 water year, and values were compared to the 30-year reference period October 1950 to September 1980. The four stations are Mount Hope River at Warrenville, Salmon River at East Hampton, Burlington Brook near Burlington, and Pomperaug River at Southbury. Monthly and long-term median monthly discharges for the index stations are shown in table 2.

During the 1994 water year, runoff was in the normal range for 5 months, above normal for 2 months, and variable for 5 months. Streamflow was normal for the first two months of the water year. Heavy precipitation in early December brought streamflows to above-normal levels for the month and produced yearly maximum flows in many streams. Streamflow returned

to normal in January and February but increased to above normal in March following heavy rain and spring runoff. April, May and June were in the normal range for the entire State, except for the southeastern corner, which was below normal. July precipitation in the western part of the State produced above-normal flows, whereas the northeast continued to be normal and the southeast continued to be below normal. Heavy precipitation in August produced above-normal runoff across the State. The second highest August average for the period of record was recorded at the Pomperaug River, and the third highest August average was recorded at Burlington Brook. Additional heavy precipitation near the end of September continued the above-normal trend through the end of the water year, except for the northeastern corner, which was normal.

Table 2.--Monthly and long-term median monthly discharges for index stations in Connecticut for 1994 water year

[Discharges in cubic feet per second; see figure 1 for station locations]

MONTH	STATION NAME AND NUMBER							
	01121000 MOUNT HOPE RIVER NEAR WARRENVILLE		01188000 BURLINGTON BROOK NEAR BURLINGTON		01193500 SALMON RIVER NEAR EAST HAMPTON		01204000 POMPERAUG RIVER AT SOUTHBURY	
	MONTHLY	MEDIAN 1951-80	MONTHLY	MEDIAN 1951-80	MONTHLY	MEDIAN 1951-80	MONTHLY	MEDIAN 1951-80
October	26.1	17.4	2.69	3.3	72.3	62.8	51.5	36.6
November	47.9	38.7	6.56	7.6	158	119	106	96.2
December	62.3	61.8	13.9	6.1	332	199	240	163
January	67.3	56.1	11.7	8.5	228	215	161	114
February	72.6	64.4	8.12	7.9	238	235	141	154
March	108	103	22.7	16.1	552	377	426	254
April	93.9	94.5	17.4	16.0	281	347	270	243
May	60.7	58.7	9.21	9.4	160	227	154	146
June	36.5	22.6	6.32	4.1	50.5	83.8	107	54.7
July	14.7	12.3	5.10	2.7	31.6	44.4	70.5	34.9
August	16.9	9.4	10.5	2.2	121	29.9	253	30.2
September	16.3	9.1	6.96	2.5	91.9	36.9	91.2	28.8

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by man's activities.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 284 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting; (2) to describe the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs; (3) to detect changes or trends with time in the pattern of occurrence of water-quality characteristics; and (4) to provide a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the U.S. The purpose of the network is to determine the variability, in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect the observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments,

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

Water-quality data were collected at various sites throughout Connecticut for the Connecticut, Thames, and Housatonic Rivers NAWQA study unit. This information is published in the report, in the sections: Analyses of Samples Collected at Miscellaneous Sites and Quality of Ground-Water. Additionally, tissue, sediment and/or pesticide data were collected at the following sites in Connecticut:

01121000	Mt. Hope River near Warrenville, CT
01124000	Quinebaug River at Quinebaug, CT
01126850	Quinebaug River at Clayville, CT
01126123	Quandock Brook near Danielson, CT
01184000	Connecticut River at Thompsonville, CT
01184100	Stony Brook near West Suffield, CT
01184490	Broad Brook at Broad Brook, CT
01184500	Scantic River at Broad Brook, CT
01186500	Still River at Robertsville, CT
01189000	Pequabuck River at Forestville, CT
01189995	Farmington River at Tariffville, CT
01191000	North Branch Park River at Hartford, CT
01192500	Hockanum River near East Hartford, CT
01192883	Coginchaug River at Middlefield, CT
01192990	Connecticut River near Portland, CT
01193000	Connecticut River at Middletown, CT
01193500	Salmon River near East Hampton, CT
01196580	Muddy River near North Haven, CT
01198185	Konkapot River at Sodom, CT
01198190	Konkapot River near Canaan, CT
01200000	Tenmile River near Gaylordsville, CT
01200600	Housatonic River at New Milford, CT
01204000	Pomperaug River at Southbury, CT
01208500	Naugatuck River at Beacon Falls, CT
01208873	Rooster River near Fairfield, CT
01209400	West Branch Saugatuck River nr Weston, CT
01209710	Norwalk River at Winnepaug, CT
01209750	Silvermine River at Silvermine, CT
01209901	Rippowam River at Stamford, CT
412600072511501	Quinnipiac River at Quinnipiac, CT
413345072531001	Quinnipiac River nr Stillman's Corner
413615072423001	Mattabesset River nr Little River, CT
414640073071001	W. Branch Naugatuck River nr Torrington
415645073025001	Still River at Nelson's Corner, CT

To obtain these data please contact the U. S. Geological Survey, 28 Lord Rd., Suite 280, Marlborough, Mass., or phone (508) 485-6360.

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1994 water year that began October 1, 1993 and ended September 30, 1994. 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 1, 2, and 3. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station in this report, whether streamsite or well, is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is established and is retained for that station indefinitely. Systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for surface-water stations and the "latitude-longitude" system is used for wells and precipitation stations.

Downstream Order System

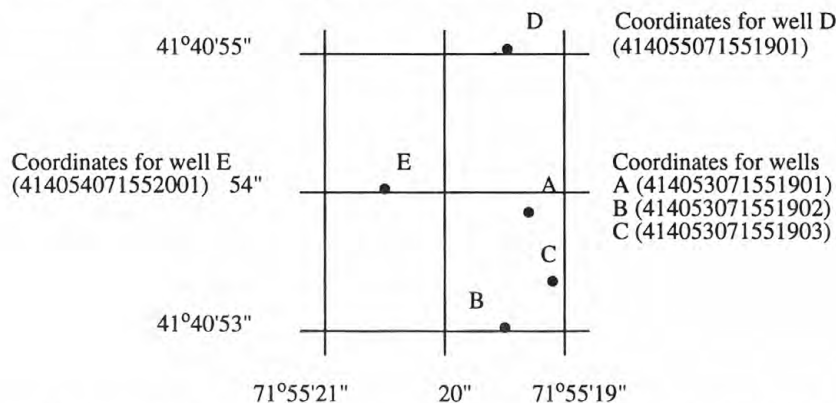
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to

the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 01188000, which appears just to the left of the station name, includes the two-digit Part number "01" plus the six-digit downstream-order number "188000." The Part number designates the major river basin; for example, Part "01" is the North Atlantic Slope basin.

Latitude-Longitude System

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



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

Records of Stage and Water Discharge

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

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Locations of all complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

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

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water-Resources Investigations

(TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content

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

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in the data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

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

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

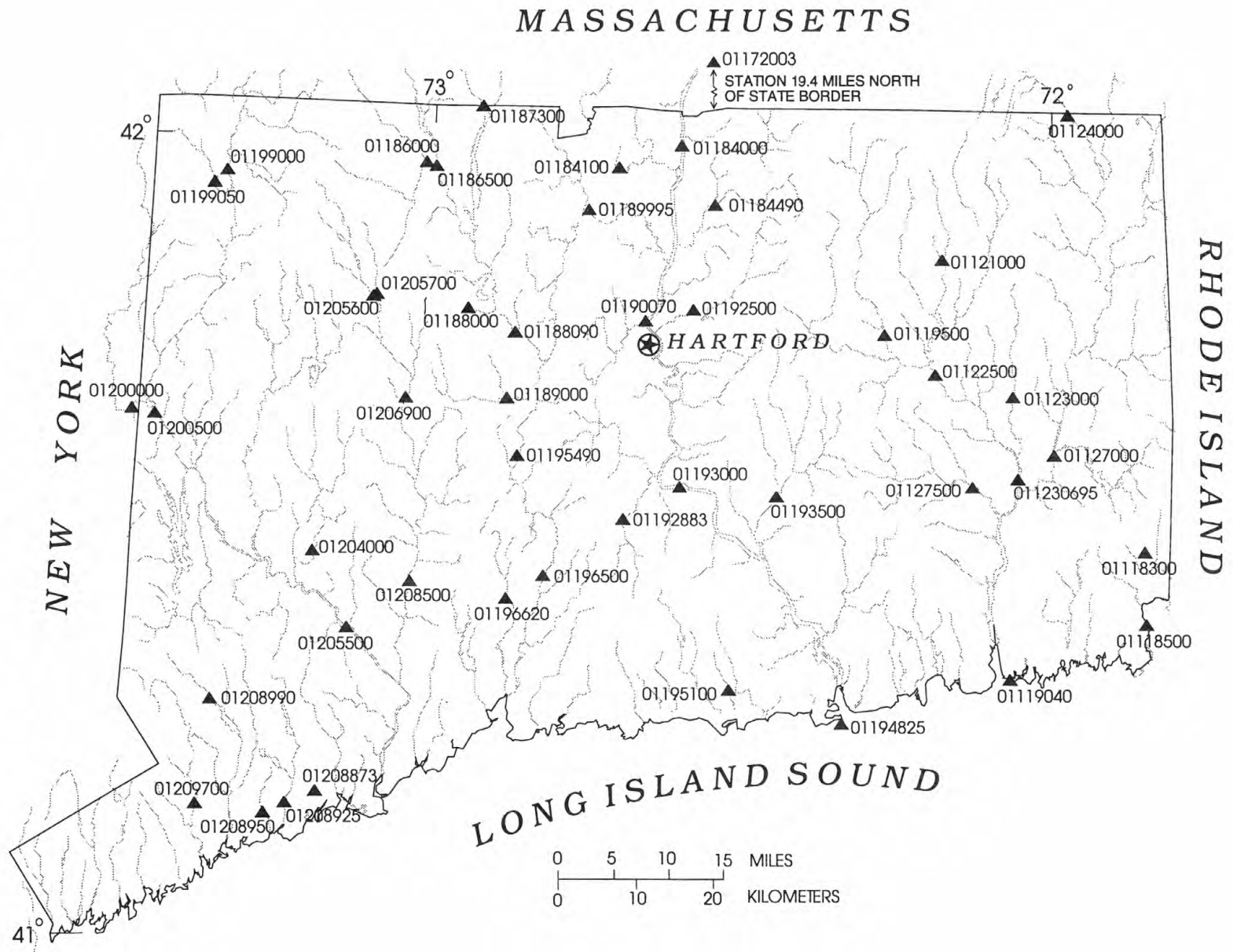
DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

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

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum discharge was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to as sea level (see definitions), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

Figure 1. Location of active surface-water-gaging stations.



REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

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

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

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

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

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges in the EXTREMES FOR CURRENT YEAR paragraph, is

now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentation of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS __, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated as appropriate. The designated period selected, "WATER YEARS _-_", will consist of all the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted of for designated period. At some stations the yearly mean discharge is adjusted for reservoir storage

diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

90 PERCENT EXCEEDS.--The discharge has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth for values between 1.0 and 10 ft³/s; to whole numbers for values between 10 and 1,000 ft³/s; and to 3 significant figures for values more than 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 discharges listed for partial-record stations and miscellaneous sites.

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

Other Records Available

Records of discharge, not published by the Geological Survey, are collected in Connecticut at several sites by the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEx), U.S. Geological Survey, Reston, VA 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

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

Records of Surface-Water Quality

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

Classification of Records

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

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 2.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection unless indicated under "REMARKS." Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in-situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and

dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in-situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping samples to the laboratory.

Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the Geological Survey, Connecticut Office.

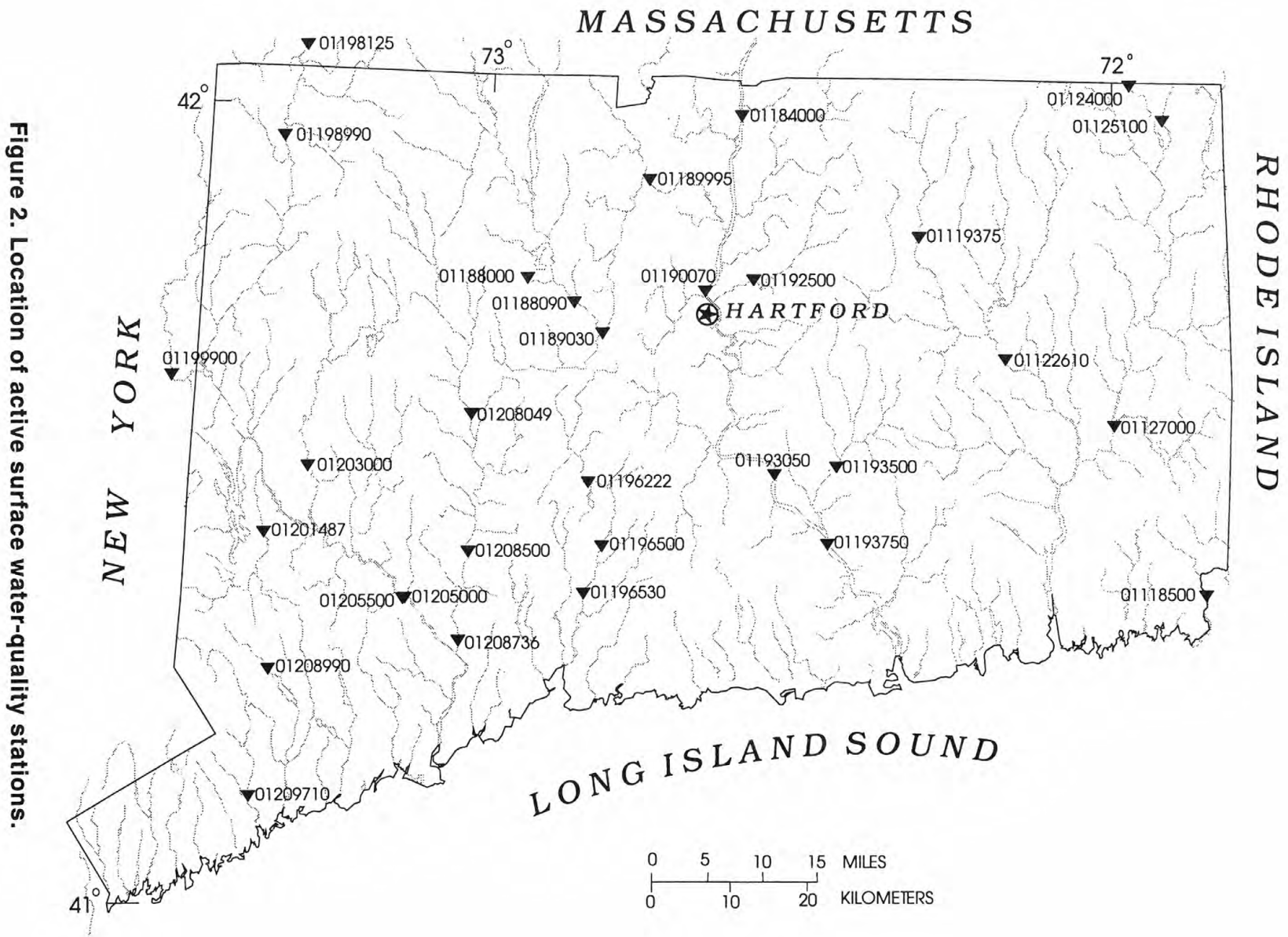


Figure 2. Location of active surface water-quality stations.

Water Temperature

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

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

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time- discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended- sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C 1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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

seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples are analyzed in Harrisburg, Penn., samples for indicator bacteria and specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colo. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's (USEPA) STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

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.

In this report the data presented in the miscellaneous surface-water quality section were collected as part of the sampling for the Connecticut, Thames, and Housatonic Rivers NAWQA study unit.

Records of Ground-Water Levels

Water-level data from a national and state network of observation wells are given in this report. These data are intended to provide a historical record of water-level changes in the State. Locations of the observation wells in this network in Connecticut are shown in figure 3.

In this report, records of water levels are presented for 67 wells that were obtained through cooperative efforts of the U.S. Geological Survey and the Connecticut Department of Environmental Protection and are placed in computer storage. Information about the availability of the data in the water-level file may be obtained from the Geological Survey, Connecticut Office.

Data Collection and Computation

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

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

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

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification numbers and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age, the aquifer that supplies water to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

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

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) sea level; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurements of the water level.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the Geological Survey and the words "to current year" if the records are to be continued into the following year.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below

land-surface datum and all taped measurements of water level are listed. For wells equipped with recorders, water-level lows are listed for every day. The highest and lowest water levels of the water year and their dates of occurrence are also shown. Missing records are indicated by dashes in places of water level.

Records of Ground-Water Quality

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

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Map of Massachusetts showing groundwater stations and local well numbers. The map includes county boundaries and names, as well as the locations of various groundwater stations and local wells. A legend indicates that shaded areas represent towns where water-quality samples were collected. A scale bar shows distances in miles (0 to 15) and kilometers (0 to 20).

Legend:

- Ground-water station and local well number
- Area indicates towns in which water-quality samples were collected

Data Presentation

The records of ground-water quality are published in a section titled **QUALITY OF GROUND WATER** immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by county, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records, are also applicable to ground-water-quality records.

Data published in the Quality of Ground-Water section of this report were collected as part of the sampling for the Connecticut, Thames, and Housatonic Rivers NAWQA study unit.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

*Station Header File- Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.

*Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.

*Peak Flow File-Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.

*Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.

*Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting.

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Also, please see table for converting English units to International System (SI) Units on the inside of the back cover.

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

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes it an excellent indicator of the presence of living

material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

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

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

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

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

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C + 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35° + 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir or estuary bottom is composed.

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

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and the ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

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

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

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second. It is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile [(ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second-day [(ft³/s)/d] is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet (approximately 1.9835 acre-feet) about 646,000 gallons, or 2,445 cubic meters.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

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

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or 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.)

Dissolved refers to that material in a representative water sample that passes through a 0.45-micron membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

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

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

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose

purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions with those observed in basins more obviously affected by the activities of man.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

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

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

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of element per unit mass (gram) of material analyzed.

Micrograms per liter ($\mu\text{g/L}$) is a unit for expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (Mg/L , mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

Nanograms per liter (ng/L) is a unit for expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One thousand nanograms per liter is equivalent to one microgram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years of 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting; (2) to describe the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs; (3) to detect changes or trends with time in the pattern of occurrence of water-quality characteristics; and (4) to provide a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in more than one-third of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of

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

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meter, acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter or liter. Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size	Method of analysis
Clay	0.00024-0.004	sedimentation
Silt	.004-.062	sedimentation
Sand	.062-2.0	sedimentation or sieve
Gravel	2.0-64.0	sieve

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

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population in terms of types, numbers, mass, or volume.

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

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

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

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

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

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Green algae has chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

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

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

Milligrams of carbon per area or volume per unit time [$\text{mgC}/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and [$\text{mgC}/(\text{m}^3 \cdot \text{time})$] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

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

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

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the

determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sea Level: in this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed or very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 feet of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 feet above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream during a 24-hour day.

Suspended-sediment discharge is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: Concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total sediment discharge is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, in units of tons per day, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

7-day 10-year low flow ($7Q_{10}$) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream and may vary in the same source as composition of the water changes.

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

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as

streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

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

Surface area of a lake is that area outlined on the latest Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimeted. All areas shown are those for the stage when the planimeted map was made.

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

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micron membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of “suspended, recoverable” constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micron membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as “suspended, total.”

Determinations of “suspended, total” constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

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

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	<i>Hexagenia</i>
Species	<i>limbata</i>

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by

multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (ton/d) is the quantity of a substance in solution or suspension that passes a stream section in 24 hours.

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

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross-section per unit of time. This term needs to be qualified, such as “total sediment discharge,” “total chloride discharge,” and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the “total” amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1994, is called the “1994 water year.”

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

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the

corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
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- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

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- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
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SURFACE-WATER RECORDS

REMARK CODES.-- The following remark codes may appear with the water-quality data in this section:

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

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. Full implementation of the protocols will take place during the 1995 water year.

SURFACE-WATER RECORDS

PAWCATUCK RIVER BASIN

01118300 PENDLETON HILL BROOK NEAR CLARKS FALLS, CT

LOCATION.--Lat 41°28'29", long 71°50'05", New London County, Hydrologic Unit 01090005, on left bank just upstream from twin culverts on Grindstone Hill Road, 0.1 mi west of State Highway 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.

REMARKS.--Records good except those for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Satellite telemetry at this station is used as primary data.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	5.2	5.2	e5.2	e14	e7.9	21	6.7	2.7	.73	.04	.34
2	1.3	3.2	3.9	e4.9	e11	e7.4	18	6.2	2.4	.47	.04	.24
3	1.4	2.4	3.6	e4.7	e9.0	14	17	5.5	2.2	.38	.03	.16
4	1.4	2.0	3.3	e4.5	e7.5	18	16	5.3	2.0	.33	.03	.14
5	1.0	5.2	50	e4.3	e6.8	15	14	9.0	1.8	.26	.10	.14
6	.80	11	51	e4.1	e6.2	14	14	8.9	2.1	.25	1.1	.13
7	.73	6.3	27	e4.0	e5.6	13	16	9.2	2.9	.22	.27	.12
8	.65	3.7	19	e3.9	e5.2	23	14	13	2.2	.18	.12	.10
9	.69	2.8	15	e3.8	e4.9	23	12	11	1.8	.16	.08	.10
10	.92	2.4	13	e3.7	e4.7	107	13	8.2	1.6	.16	.06	.10
11	1.0	2.1	24	e3.6	e4.5	91	14	6.7	1.4	.13	.05	.09
12	1.3	1.9	19	e3.5	e4.3	47	12	6.2	1.4	.10	.09	.07
13	2.5	1.7	14	e3.4	e4.1	38	18	5.9	1.5	.09	.15	.07
14	1.9	1.7	13	e3.3	e4.0	35	30	5.2	1.5	.08	.41	.07
15	1.6	1.7	11	e3.2	e3.9	35	19	4.8	1.6	.14	.57	.10
16	1.6	1.6	11	e3.1	e3.8	36	17	7.4	1.3	.29	.24	.09
17	1.5	1.8	9.3	e3.0	e3.7	30	15	7.9	1.1	.17	.14	.09
18	1.8	3.3	8.5	26	e5.0	24	13	6.7	.94	.13	3.8	.40
19	1.7	3.8	10	e17	6.5	22	12	5.8	.80	.16	2.0	.32
20	2.2	5.3	11	e11	11	21	11	5.3	.68	.12	1.3	.15
21	3.8	3.5	25	e6.0	17	20	9.6	4.8	.70	.09	3.4	.12
22	4.2	2.7	23	e4.5	21	55	8.8	4.4	.80	.08	14	.11
23	2.5	2.3	15	e4.0	16	42	8.1	4.0	.56	.07	4.3	13
24	1.8	2.1	12	e3.7	e13	30	7.7	3.9	.51	.09	2.2	7.8
25	1.6	2.0	e10	e3.4	e11	25	7.5	3.8	.72	.09	1.6	4.1
26	1.6	1.7	e9.0	e3.2	e10	21	8.5	4.7	.68	.07	1.4	2.8
27	2.7	1.7	e8.0	e3.0	e9.0	23	7.9	4.0	.49	.06	1.1	2.3
28	2.9	7.5	e7.0	26	e8.4	36	7.3	3.4	.49	.08	.82	2.2
29	2.1	14	e6.4	63	---	43	6.6	3.2	.61	.08	.75	1.7
30	2.4	8.1	e6.0	29	---	35	6.3	3.0	1.2	.06	.76	1.5
31	6.1	---	e5.6	e17	---	26	---	2.8	---	.05	.45	---
TOTAL	59.19	114.7	448.8	283.0	231.1	977.3	394.3	186.9	40.68	5.37	41.40	38.65
MEAN	1.91	3.82	14.5	9.13	8.25	31.5	13.1	6.03	1.36	.17	1.34	1.29
MAX	6.1	14	51	63	21	107	30	13	2.9	.73	14	13
MIN	.65	1.6	3.3	3.0	3.7	7.4	6.3	2.8	.49	.05	.03	.07
CFSM	.47	.95	3.60	2.27	2.05	7.84	3.27	1.50	.34	.04	.33	.32
IN.	.55	1.06	4.15	2.62	2.14	9.04	3.65	1.73	.38	.05	.38	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1994, BY WATER YEAR (WY)

	3.81	8.24	12.1	11.8	12.3	16.6	15.4	10.4	6.37	2.61	2.20	2.04
MEAN	3.81	8.24	12.1	11.8	12.3	16.6	15.4	10.4	6.37	2.61	2.20	2.04
MAX	14.9	19.7	28.8	43.6	22.3	32.7	48.2	23.2	39.3	10.5	12.4	10.4
(WY)	1990	1973	1987	1979	1982	1980	1983	1979	1982	1959	1986	1961
MIN	.83	1.12	1.83	1.69	2.95	6.91	4.78	3.93	1.28	.17	.20	.049
(WY)	1964	1966	1966	1981	1980	1981	1966	1986	1964	1994	1965	1980

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1959 - 1994

ANNUAL TOTAL	2870.15	2821.39	8.64	
ANNUAL MEAN	7.86	7.73	13.1	1984
HIGHEST ANNUAL MEAN			4.29	1966
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	68	Feb 17	107	Mar 10
LOWEST DAILY MEAN	.05	Sep 3	a.03	Aug 3
ANNUAL SEVEN-DAY MINIMUM	.06	Sep 2	.05	Jul 29
INSTANTANEOUS PEAK FLOW			218	Mar 10
INSTANTANEOUS PEAK STAGE			5.76	Mar 10
INSTANTANEOUS LOW FLOW			.02	Jul 27
ANNUAL RUNOFF (CFSM)	1.96	1.92	2.15	
ANNUAL RUNOFF (INCHES)	26.56	26.11	29.21	
10 PERCENT EXCEEDS	19	20	19	
50 PERCENT EXCEEDS	4.5	3.7	5.8	
90 PERCENT EXCEEDS	.13	.12	.57	

a Also occurred on Aug. 4.

e Estimated

PAWCATUCK RIVER BASIN

0118500 PAWCATUCK RIVER AT WESTERLY, R.I.
(National stream-quality accounting network station)

LOCATION.--Lat 41°23'01", long 71°50'01", Washington County, Hydrologic Unit 01090005, on left bank at Westerly,
2.1 mi downstream from Shunock River.
DRAINAGE AREA.--295 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1940 to current year.

REVISED RECORDS.--WSP 1051: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1.76 ft below sea level.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow prior to 1962 by mills upstream; regulation much greater prior to 1958. Diversion upstream for municipal supply of Westerly.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a discharge of 3,150 ft³/s, by computation of flow over dam 1.5 mi upstream. Maximum discharge since 1886 occurred in November 1927 and was possibly more than twice that in March 1936. Maximum stage since at least 1635, 15.0 ft Sept. 21, 1938, due to hurricane tidal wave.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	164	346	403	e1200	e620	1930	573	315	178	100	138
2	100	168	302	395	e940	e590	1720	574	297	169	95	129
3	103	145	269	423	e860	e700	1530	551	285	157	94	120
4	103	124	244	455	e800	e930	1380	519	273	150	100	114
5	98	119	543	472	e740	e960	1250	556	268	139	106	111
6	91	212	1340	481	e700	e940	1160	620	274	131	145	111
7	83	248	1330	473	e660	e920	1130	644	340	124	145	109
8	81	222	1100	477	e620	1000	1090	677	324	121	126	105
9	84	196	881	e465	e540	1180	1020	720	288	121	116	105
10	74	178	695	e460	e520	1850	980	679	264	119	107	105
11	74	164	731	e445	e520	3350	990	614	243	113	103	100
12	75	156	865	450	e520	3140	971	558	233	106	105	98
13	77	153	777	424	e520	2960	970	519	230	104	109	96
14	74	148	681	434	e510	2700	1190	489	226	106	112	93
15	84	148	621	424	e500	2460	1290	470	237	111	121	96
16	92	147	553	e380	e490	2310	1210	498	238	121	117	97
17	94	144	523	e380	e460	2130	1150	565	228	124	113	94
18	90	156	480	e700	e440	1970	1080	575	215	116	148	107
19	76	168	482	e800	e460	1770	985	542	208	114	182	102
20	73	204	503	e720	e530	1610	915	500	192	111	179	102
21	82	211	640	e660	e680	1480	850	472	179	109	181	99
22	112	195	860	e620	e840	1730	784	445	176	107	424	100
23	117	178	883	e580	e900	2120	733	419	170	104	461	167
24	104	170	791	e540	e880	2100	695	419	159	108	381	271
25	92	166	704	e520	e840	2000	660	424	161	108	274	287
26	83	161	630	e500	e800	1820	660	439	168	106	214	249
27	88	159	539	e480	e710	1650	653	429	156	105	183	218
28	105	192	494	e660	e660	1780	638	406	158	108	164	195
29	101	331	466	e1800	---	2010	608	369	157	108	155	181
30	98	378	445	e1800	---	2170	583	345	171	107	155	161
31	129	---	426	e1500	---	2090	---	333	---	104	149	---
TOTAL	2846	5505	20144	19321	18840	55040	30805	15943	6833	3709	5164	4060
MEAN	91.8	183	650	623	673	1775	1027	514	228	120	167	135
MAX	129	378	1340	1800	1200	3350	1930	720	340	178	461	287
MIN	73	119	244	380	440	590	583	333	156	104	94	93
CFSM	.31	.62	2.20	2.11	2.28	6.02	3.48	1.74	.77	.41	.56	.46
IN.	.36	.69	2.54	2.44	2.38	6.94	3.88	2.01	.86	.47	.65	.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

	MEAN	261	459	665	749	810	1045	982	712	497	265	240	222
MAX	1186	1450	1789	2151	1377	1775	2603	1274	2246	642	763	1233	
(WY)	1956	1956	1987	1979	1982	1994	1983	1948	1982	1959	1946	1954	
MIN	87.2	93.2	115	131	325	495	371	325	210	98.5	81.7	65.7	
(WY)	1950	1966	1966	1981	1980	1981	1966	1986	1942	1957	1964	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1941 - 1994

ANNUAL TOTAL	197869	188210	
ANNUAL MEAN	542	516	577
HIGHEST ANNUAL MEAN			871
LOWEST ANNUAL MEAN			251
HIGHEST DAILY MEAN	2550	Apr 3	3350
LOWEST DAILY MEAN	57	Sep 16	73
ANNUAL SEVEN-DAY MINIMUM	62	Sep 1	77
INSTANTANEOUS PEAK FLOW			3460
INSTANTANEOUS PEAK STAGE			8.65
INSTANTANEOUS LOW FLOW			71
ANNUAL RUNOFF (CFSM)	1.84	1.75	1.96
ANNUAL RUNOFF (INCHES)	24.95	23.73	26.60
10 PERCENT EXCEEDS	1310	1180	1200
50 PERCENT EXCEEDS	325	340	450
90 PERCENT EXCEEDS	79	102	128

e Estimated

PAWCATUCK RIVER BASIN

01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1963, 1976 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1978 to September 1992.

WATER TEMPERATURES: June 1978 to September 1992.

INSTRUMENTATION.--Water-quality monitor June 1978 to September 1992.

REMARKS.--Interruptions in the record were due to instrument malfunction. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records. Extremes for period of daily record and current year are only for those values reported.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 354 microsiemens June 25, 1985; minimum, 27 microsiemens June 7, 1982.

WATER TEMPERATURES: Maximum, 30.0°C Aug. 9, 1980, Aug. 17, 18, 1987; minimum, 0.0°C on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE AIR (DEG C)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
		(00061)	(00095)	(00400)	(00020)	(00010)	(00080)	(00076)	(00300)	(00301)	(00340)	(00310)
NOV												
15...	1245	142	148	7.1	24.5	10.0	--	1.5	11.5	102	--	1.0
JAN												
11...	1320	445	115	6.5	1.0	0.0	--	0.40	14.4	97	--	--
MAR												
22...	1200	1690	77	6.1	17.0	5.0	35	1.2	12.4	99	<10	1.0
MAY												
16...	1220	500	101	6.8	21.0	15.0	--	0.60	9.9	100	--	1.0
JUL												
06...	1140	131	116	7.1	30.0	25.0	--	0.60	11.4	136	--	1.0
SEP												
01...	0945	139	131	6.9	27.0	20.5	70	1.3	8.1	90	33	1.0

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD CO3 (00452)
NOV											
15...	500	K16	K4	20	K14	25	6.5	2.0	17	1.5	0
JAN											
11...	450	K14	K8	K10	K18	18	4.8	1.5	14	1.1	0
MAR											
22...	1200	150	25	500	--	13	3.2	1.1	10	0.90	0
MAY											
16...	320	96	49	92	110	16	4.3	1.2	11	0.90	0
JUL											
06...	190	88	50	21	59	20	5.3	1.6	12	1.1	0
SEP											
01...	760	41	108	--	--	22	5.9	1.7	17	1.2	0

PAWCATUCK RIVER BASIN

01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
NOV 15...	13	11	24	16	0.10	9.2	99	--	98	0.550	0.020
JAN 11...	7	6	14	19	<0.10	8.9	79	--	86	0.440	<0.010
MAR 22...	3	2	9.5	15	<0.10	--	--	2	54	0.250	<0.010
MAY 16...	8	7	11	16	<0.10	4.4	69	--	70	0.340	<0.010
JUL 06...	9	7	11	17	0.20	6.4	85	--	92	0.520	<0.010
SEP 01...	14	11	17	18	0.10	--	101	6	102	0.540	<0.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
NOV 15...	0.570	0.570	0.030	0.27	0.30	--	0.87	0.040	0.030	0.020	--
JAN 11...	0.440	0.440	0.050	0.25	0.30	--	0.74	0.030	0.020	<0.010	--
MAR 22...	0.250	0.250	0.050	--	<0.20	0.20	--	<0.010	0.010	<0.010	140
MAY 16...	0.340	0.340	0.030	0.27	0.30	--	0.64	<0.010	<0.010	<0.010	--
JUL 06...	0.520	0.520	<0.010	0.40	0.40	--	0.92	0.080	0.020	<0.010	--
SEP 01...	0.540	0.540	0.030	0.27	0.30	0.30	0.84	0.050	0.040	0.030	--

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV 15...	150	--	14	--	--	<1.0	--	<1	<3	--	3
JAN 11...	130	--	13	--	--	<1.0	--	<1	<3	--	<1
MAR 22...	--	<1	--	20	<1	--	<1	--	--	<1	--
MAY 16...	110	--	12	--	--	<1.0	--	<1	<3	--	<1
JUL 06...	70	--	9	--	--	<1.0	--	--	<3	--	1
SEP 01...	--	--	--	--	--	<1.0	--	1	--	--	1

PAWCATUCK RIVER BASIN

01118500 PAWCATUCK RIVER AT WESTERLY, RI--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)
NOV 15...	--	350	--	<1	<4	--	83	--	--	<10	--
JAN 11...	--	210	--	<1	<4	--	66	--	--	<10	--
MAR 22...	190	--	2	--	--	50	--	<0.10	<1	--	<1
MAY 16...	--	280	--	<1	<4	--	42	--	--	<10	--
JUL 06...	--	450	--	<1	<4	--	23	--	--	<10	--
SEP 01...	--	--	--	<1	--	--	40	--	--	--	--

DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	PHENOLS TOTAL (UG/L) (32730)
NOV 15...	2	--	<1	--	<1.0	45	<6	--	10	6.6	--
JAN 11...	<1	--	<1	--	<1.0	35	<6	--	10	5.9	--
MAR 22...	--	<1	--	<1	--	--	--	<10	--	5.4	2
MAY 16...	<1	--	<1	--	<1.0	32	<6	--	<10	6.3	--
JUL 06...	<1	--	<1	--	<1.0	37	<6	--	<10	5.8	--
SEP 01...	<1	--	--	--	--	--	--	--	4	9.3	<1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 15...	1245	142		3	1.2	36
MAR 22...	1200	1690		4	18	76
MAY 16...	1220	500		10	13	89

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)
SEP 01...	0945	<1	<1.0	<0.1	<1.0	<0.1	0.1	0.2	<0.8

DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)
SEP 01...	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.1	<10

POQUONOCK RIVER BASIN

01119040 POQUONOCK RIVER NEAR GROTON, CT

LOCATION.--Lat 41°19'00", long 72°03'43", New London County, Hydrologic Unit 01100003, at pier on east side of Avery Point, University of Connecticut, 2 mi south of Groton, at mouth of Poquonock River in Long Island Sound.

PERIOD OF RECORD.--January 1973 to current year.

GAGE.--Water-stage recorder. Datum of staff gage is 10.00 ft below sea level.

Prior to Apr. 30, 1982, at datum 7.98 ft higher; prior to May 4, 1986, at datum 7.20 ft higher. Datum of gage-height record is 10.00 ft below sea level in order to prevent negative values and is converted to elevation above or below (-) sea level for publication.

REMARKS.--Stage data in feet at 15-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, 3.94 ft, Oct. 12; minimum, -3.21 ft, Jan. 10.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
Maximum high tide	Elevation	3.94	3.69	3.88	3.79	3.40	3.65	3.63	3.72	3.30	2.88	2.96	3.32
	Date	12	28	14	4	27	3	25	25	24	18	23	5
	Time	1830	0845	0930	1345	0800	1245	2045	2130	2200	1730	1030	2030
Minimum low tide	Elevation	-1.38	-1.50	-2.74	-3.21	-2.50	-1.57	-1.76	-1.15	-1.10	-1.04	-0.88	-1.07
	Date	15	12	27	10	27	31	28	14	14	23	11	6
	Time	1515	1400	0100	0130	1615	0645	0530	0545	0300	0345	0615	1545

NOTE.-- Time shown is eastern standard.

THAMES RIVER BASIN

01119375 WILLIMANTIC RIVER AT MERROW, CT

LOCATION.--Lat 41°50'07", long 72°18'38", Tolland County, Hydrologic Unit 01100002, at bridge on State Highway 195, 0.7 mi upstream from Merrow, 0.8 mi downstream from Newcomb Brook, and 1.5 mi upstream from Winding Brook.

DRAINAGE AREA.--94.0 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
15...	1445	101	95	6.9	12.0	9.0	1.6	10.8	93	900	148
DEC											
14...	1050	235	74	6.8	5.0	2.5	1.0	13.2	98	130	37
FEB											
14...	1110	142	73	6.8	-2.5	0.0	0.90	13.6	94	740	124
APR											
20...	1300	256	76	7.4	15.0	13.0	0.80	12.2	118	2200	K2
JUN											
08...	1430	30	110	7.1	21.5	21.0	0.50	8.9	102	140	33
JUL											
07...	1345	29	131	7.5	31.0	27.5	1.0	8.4	108	420	92
AUG											
11...	1400	17	144	7.2	24.0	20.5	1.0	9.6	107	130	33
31...	1715	64	116	5.8	21.0	18.0	--	9.4	101	--	--
SEP											
06...	1320	44	100	7.6	23.0	17.0	0.90	10.0	105	170	37

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT											
15...	21	5.1	1.9	7.8	1.2	0	8	7	13	12	0.10
DEC											
14...	15	3.5	1.4	6.3	1.0	0	6	5	10	9.1	<0.10
FEB											
14...	17	4.2	1.6	9.8	1.0	0	8	7	9.7	15	<0.10
APR											
20...	14	3.5	1.3	7.9	0.90	0	7	6	9.2	12	<0.10
JUN											
08...	19	4.9	1.7	11	1.5	0	12	10	12	15	0.20
JUL											
07...	25	6.2	2.2	14	1.7	0	14	11	13	19	<0.10
AUG											
11...	25	6.5	2.1	14	2.3	0	14	11	14	19	0.10
31...	22	5.6	1.9	12	1.7	--	10	8	14	16	<0.10
SEP											
06...	22	5.7	2.0	10	1.5	0	13	11	10	15	0.10

THAMES RIVER BASIN

01119375 WILLIMANTIC RIVER AT MERROW, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 15...	9.0	71	72	0.210	<0.010	0.210	0.210	0.070	0.23	0.30	0.30
DEC 14...	9.5	52	56	0.300	<0.010	0.300	0.300	0.050	--	<0.20	<0.20
FEB 14...	11	59	58	0.400	<0.010	0.400	0.400	0.110	0.09	0.20	<0.20
APR 20...	6.9	54	60	0.190	0.010	0.200	0.200	0.020	0.38	0.40	<0.20
JUN 08...	8.0	68	68	0.390	<0.010	0.390	0.390	0.040	0.36	0.40	0.30
JUL 07...	8.3	84	82	0.520	<0.010	0.520	0.520	<0.010	0.40	0.40	0.30
AUG 11...	7.2	79	90	0.480	<0.010	0.480	0.480	0.030	0.37	0.40	0.20
31...	9.4	77	--	0.390	<0.010	0.390	0.390	0.010	0.29	0.30	0.20
SEP 06...	9.2	69	74	0.440	<0.010	0.440	0.440	0.010	0.19	0.20	<0.20

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 15...	0.51	<0.010	<0.010	0.020	40	<1	10	<1	<1.0	<1	<1
DEC 14...	--	<0.010	<0.010	<0.010	--	--	--	--	<1.0	<1	--
FEB 14...	0.60	0.010	<0.010	<0.010	--	--	--	--	<1.0	<1	--
APR 20...	0.60	0.060	0.010	<0.010	--	--	--	--	2.0	<1	--
JUN 08...	0.79	0.020	0.010	0.010	--	--	--	--	<1.0	<1	--
JUL 07...	0.92	0.090	0.020	0.010	--	--	--	--	<1.0	<1	--
AUG 11...	0.88	0.030	0.030	<0.010	--	--	--	--	<1.0	<1	--
31...	0.69	0.010	0.020	0.010	--	--	--	--	--	--	--
SEP 06...	0.64	0.010	0.010	<0.010	--	--	--	--	<1.0	<1	--

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	1	250	<1	15	<1	2	<1.0	7	<1.0	7.1
DEC 14...	<1	130	<1	33	--	1	--	8	--	3.8
FEB 14...	1	120	<1	29	--	1	--	13	--	2.4
APR 20...	<1	110	<1	24	--	<1	--	7	--	3.2
JUN 08...	2	280	<1	32	--	2	--	7	--	4.3
JUL 07...	2	470	<1	27	--	2	--	<3	--	4.3
AUG 11...	5	410	<1	23	--	2	--	3	--	4.6
31...	--	470	--	25	--	--	--	--	--	--
SEP 06...	2	370	<1	18	--	2	--	4	--	4.4

THAMES RIVER BASIN

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 Highway 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.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Satellite telemetry at this station used for primary stage data. Chemical analyses available for water year 1959 (WSP 1641). Occasional regulation from ponds upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1938 reached a stage of about 14.5 ft, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	53	84	e48	e120	e52	169	51	15	20	7.4	12
2	15	38	69	e47	e100	e50	145	53	14	14	6.7	11
3	14	29	61	e46	e85	69	129	43	13	11	7.0	10
4	15	27	56	e45	e75	82	124	38	12	9.6	7.6	10
5	13	28	464	e44	e65	68	105	39	10	8.7	11	11
6	11	47	383	e43	e60	61	96	51	10	8.4	21	10
7	18	34	170	e42	e55	57	120	61	19	8.0	12	9.5
8	22	27	119	e41	e50	102	99	101	14	7.6	9.5	9.5
9	22	25	94	e40	e48	109	81	80	11	7.7	8.6	11
10	21	23	82	e39	e46	397	91	59	11	7.4	8.2	12
11	21	21	110	e39	e44	419	118	48	9.7	7.0	7.3	11
12	28	21	94	e38	e43	181	88	44	46	5.9	7.3	11
13	72	21	74	e38	e42	139	100	44	56	5.2	7.8	11
14	37	20	68	e37	e41	147	124	38	43	4.9	15	12
15	28	21	65	e36	e40	191	91	34	91	8.8	17	12
16	20	23	60	e35	e39	221	107	52	41	11	11	12
17	15	23	53	e34	e38	157	99	59	28	8.2	9.7	13
18	20	57	50	242	e50	121	78	50	20	7.1	77	23
19	21	44	55	e160	72	105	71	43	20	7.0	66	20
20	33	49	61	e120	96	100	62	38	14	6.4	44	15
21	38	37	269	e90	154	113	56	34	12	5.2	36	13
22	46	30	270	e80	197	400	52	30	14	4.7	211	13
23	31	28	131	e70	130	376	48	26	11	11	118	114
24	31	26	94	e66	e90	369	47	24	10	20	52	72
25	22	24	e78	e62	e75	323	46	26	11	11	34	40
26	19	21	e69	e58	e67	239	57	32	11	9.8	26	39
27	21	21	e63	e56	e60	233	52	28	10	8.5	20	53
28	22	254	e59	186	e55	339	47	23	10	54	16	55
29	18	340	e55	588	---	371	42	20	25	33	15	41
30	18	129	e52	296	---	271	40	18	37	14	12	30
31	48	---	e50	e160	---	194	---	15	---	9.0	9.8	---
TOTAL	777	1541	3462	2926	2037	6056	2584	1302	648.7	354.1	910.9	716.0
MEAN	25.1	51.4	112	94.4	72.7	195	86.1	42.0	21.6	11.4	29.4	23.9
MAX	72	340	464	588	197	419	169	101	91	54	211	114
MIN	11	20	50	34	38	50	40	15	9.7	4.7	6.7	9.5
CFSM	.88	1.80	3.90	3.30	2.54	6.83	3.01	1.47	.76	.40	1.03	.83
IN.	1.01	2.00	4.50	3.81	2.65	7.88	3.36	1.69	.84	.46	1.18	.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

	MEAN	26.1	47.9	62.3	67.3	72.6	108	93.9	60.7	36.5	14.7	16.9	16.3
MAX	144	131	163	264	203	219	197	119	207	60.4	148	118	
(WY)	1956	1956	1974	1979	1970	1972	1983	1984	1982	1972	1955	1954	
MIN	3.44	7.64	14.4	12.0	16.2	47.4	29.7	19.0	4.99	1.35	.79	1.05	
(WY)	1958	1950	1944	1981	1980	1981	1985	1957	1957	1957	1957	1953	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1941 - 1994

ANNUAL TOTAL	20399.7	23314.7		
ANNUAL MEAN	55.9	63.9	51.8	
HIGHEST ANNUAL MEAN			75.0	1972
LOWEST ANNUAL MEAN			26.0	1965
HIGHEST DAILY MEAN	833	Mar 29	588	Jan 29
LOWEST DAILY MEAN	1.4	Aug 13	4.7	Jul 22
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 8	6.5	Jul 8
INSTANTANEOUS PEAK FLOW			928	Dec 5
INSTANTANEOUS PEAK STAGE			6.54	Dec 5
INSTANTANEOUS LOW FLOW			4.3	Jul 22
ANNUAL RUNOFF (CFSM)	1.95	2.23		1.81
ANNUAL RUNOFF (INCHES)	26.53	30.33		24.61
10 PERCENT EXCEEDS	124	134		114
50 PERCENT EXCEEDS	30	40		31
90 PERCENT EXCEEDS	3.1	9.9		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.

^e Estimated.

THAMES RIVER BASIN

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT

(National stream-quality accounting network station)

LOCATION.--Lat 41°40'56", long 72°09'59", Windham County, Hydrologic Unit 01100002, at bridge on State Highway 203, at South Windham, 0.8 mi downstream from Jordan Brook, and 1.8 mi upstream from Cold Brook.

DRAINAGE AREA.--408 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1980 to September 1992.

WATER TEMPERATURE: 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. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records. Extremes for period of daily record and current year are only for those values reported.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 301 microsiemens May 21, 1982; minimum, 27 microsiemens Aug. 14, 1989.

WATER TEMPERATURE: 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	
NOV													
23...	1430	460	102	7.3	15.0	5.0	1.3	13.8	107	290	840	24	
JAN													
20...	1525	1970	109	7.0	-5.0	0.0	1.2	14.4	96	110	104	21	
MAY													
13...	1330	739	92	7.3	20.0	15.0	0.70	10.6	107	230	K10	20	
JUL													
21...	1150	71	135	7.6	32.0	24.0	1.4	10.6	126	12000	K4	30	
AUG													
29...	1530	380	105	7.3	21.0	22.0	--	8.9	102	--	--	23	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
NOV													
23...	6.4	2.0	8.0	1.5	0	14	11	11	12	<0.10	9.7	66	
JAN													
20...	5.7	1.7	9.8	1.2	0	11	9	9.2	16	<0.10	9.7	65	
MAY													
13...	5.3	1.6	8.1	1.1	0	14	11	8.9	13	<0.10	5.9	63	
JUL													
21...	8.4	2.1	12	2.0	0	27	23	11	19	0.10	2.6	84	
AUG													
29...	6.4	1.8	8.9	1.6	--	16	13	8.7	13	<0.10	8.0	68	

THAMES RIVER BASIN

01122610 SHETUCKET RIVER AT SOUTH WINDHAM, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- ONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- ONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
NOV 23...	68	0.260	0.030	0.290	0.290	0.030	0.27	0.30	0.30	0.59	0.030
JAN 20...	68	0.530	0.010	0.540	0.540	0.090	0.11	0.20	<0.20	0.74	0.030
MAY 13...	60	0.200	<0.010	0.200	0.200	0.080	0.22	0.30	0.30	0.50	0.030
JUL 21...	84	0.540	0.050	0.590	0.590	0.050	0.35	0.40	0.30	0.99	0.050
AUG 29...	--	0.280	<0.010	0.280	0.280	0.140	0.36	0.50	0.40	0.78	0.040

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 23...	0.020	0.020	<1.0	<1	1	250	<1	23	<1	<3	5.1
JAN 20...	0.010	<0.010	<1.0	<1	1	150	<1	39	<1	6	3.7
MAY 13...	0.010	0.010	<1.0	<1	<1	190	<1	21	<1	<3	4.2
JUL 21...	0.030	0.020	<1.0	<1	3	240	<1	19	<1	3	4.1
AUG 29...	0.040	0.030	--	--	--	370	--	21	--	--	--

THAMES RIVER BASIN

01123000 LITTLE RIVER NEAR HANOVER, CT

LOCATION.--Lat 41°40'18", long 72°03'10", Windham County, Hydrologic Unit 01100002, on left bank 800 ft upstream from bridge on Hanover Road, 0.7 mi downstream from Peck Brook, 2.3 mi northeast of Hanover, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--30.0 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.

REMARKS.--Records good except for periods of estimated record, which are poor. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	35	46	e35	e120	e52	143	51	21	14	8.7	11
2	6.3	25	36	e34	e100	e50	122	61	20	12	8.1	10
3	6.2	19	31	e33	e80	49	111	49	19	11	8.5	9.2
4	6.6	17	28	e32	e65	52	104	44	18	9.9	7.5	9.1
5	5.9	15	322	e31	e56	49	94	52	17	9.4	9.2	8.1
6	5.8	25	328	e30	e53	47	89	56	16	9.1	25	7.9
7	5.5	22	114	e29	e50	48	110	68	17	8.9	16	7.6
8	5.3	17	80	e28	e48	81	97	98	16	16	11	7.5
9	5.5	14	64	e28	e46	100	84	93	15	23	9.2	8.2
10	4.8	12	56	e27	e44	369	83	69	14	15	8.2	12
11	5.1	13	92	e27	e43	473	104	57	13	12	7.6	9.1
12	6.4	17	81	e26	e42	190	85	51	19	10	8.0	7.9
13	20	11	61	e26	e40	155	91	47	42	9.1	12	7.1
14	15	9.2	52	e26	e39	161	140	42	29	8.6	21	7.2
15	11	9.0	49	e25	e38	207	100	39	41	17	19	7.0
16	8.9	8.9	45	e25	e37	283	98	63	46	22	13	6.5
17	8.4	9.3	39	e25	e36	212	104	74	27	20	10	6.9
18	7.7	23	36	231	e35	146	88	63	22	18	26	15
19	6.9	23	44	412	e34	124	78	53	20	13	25	11
20	9.4	27	59	e200	61	117	69	49	16	11	23	8.7
21	16	21	231	e90	121	125	61	44	14	9.6	20	7.6
22	34	17	280	e60	161	462	57	39	15	8.7	88	7.2
23	20	15	120	e50	113	418	53	33	13	8.9	91	108
24	14	13	89	e47	e85	331	51	33	13	23	44	109
25	12	12	e70	e45	e75	267	48	32	13	15	28	54
26	10	11	e60	e43	e65	194	59	48	13	11	22	34
27	11	10	e50	80	e60	173	58	39	11	9.9	18	29
28	12	79	e45	180	e56	243	55	39	11	9.8	15	32
29	11	188	e42	654	---	311	47	32	14	14	14	29
30	11	70	e39	259	---	260	45	25	19	11	13	27
31	30	---	e36	e160	---	174	---	23	---	9.2	11	---
TOTAL	339.3	787.4	2725	2998	1803	5923	2528	1566	584	399.1	640.0	613.8
MEAN	10.9	26.2	87.9	96.7	64.4	191	84.3	50.5	19.5	12.9	20.6	20.5
MAX	34	188	328	654	161	473	143	98	46	23	91	109
MIN	4.8	8.9	28	25	34	47	45	23	11	8.6	7.5	6.5
CFSM	.36	.87	2.93	3.22	2.15	6.37	2.81	1.68	.65	.43	.69	.68
IN.	.42	.98	3.38	3.72	2.24	7.34	3.13	1.94	.72	.49	.79	.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1994, BY WATER YEAR (WY)

	MEAN	32.0	54.2	69.5	76.1	77.8	109	102	66.8	42.8	20.7	19.4	17.3
MAX	186	147	177	288	172	221	229	133	221	73.5	116	77.6	
(WY)	1956	1956	1973	1979	1970	1972	1983	1967	1982	1972	1955	1954	
MIN	5.25	9.39	15.3	11.6	19.4	50.6	29.2	26.8	12.6	5.85	4.95	4.98	
(WY)	1964	1966	1966	1966	1981	1980	1985	1957	1957	1957	1993	1965	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1952 - 1994

ANNUAL TOTAL	18908.3	20906.6		
ANNUAL MEAN	51.8	57.3		
HIGHEST ANNUAL MEAN			57.2	
LOWEST ANNUAL MEAN			25.1	1984
HIGHEST DAILY MEAN	570	Mar 30	654	Jan 29
LOWEST DAILY MEAN	3.8	Aug 27	4.8	Oct 10
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 22	5.4	Oct 5
INSTANTANEOUS PEAK FLOW			912	Jan 29
INSTANTANEOUS PEAK STAGE			4.98	Jan 29
INSTANTANEOUS LOW FLOW			4.1	Oct 10
ANNUAL RUNOFF (CFSM)	1.73		1.91	
ANNUAL RUNOFF (INCHES)	23.45		25.92	
10 PERCENT EXCEEDS	114		123	
50 PERCENT EXCEEDS	28		31	
90 PERCENT EXCEEDS	5.2		8.7	
				9.0

a From rating curve extended above 820 ft³/s.

b From high water marks in well.

c Also occurred Aug. 20, 22, 1988.

e Estimated.

THAMES RIVER BASIN

011230695 SHETUCKET RIVER AT TAFTVILLE, CT

LOCATION.--Lat 41°34'06", long 72°02'44", New London County, Hydrologic Unit 01100002, on right bank 900 ft upstream from bridge on Route 169, at Helikon Furniture Company, 0.9 mi upstream from confluence of Quinebaug River, and at Taftville.

DRAINAGE AREA.--512 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.12 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by mills and flood detention reservoirs on Willimantic River, on Natchaug River by pumping for municipal supply of city of Willimantic, by Mansfield Hollow Lake, and by power regulation at Taftville Dam 0.2 mi upstream. Satellite telemetry at this station used for primary stage data.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	627	749	1960	e870	e1900	e950	3690	822	431	316	315	343
2	508	762	1740	e840	e1600	e880	2800	1100	261	316	290	299
3	136	584	1440	e810	e1450	e820	2610	902	212	305	286	304
4	501	557	1200	e780	e1350	e780	2390	718	276	228	178	292
5	349	578	2850	e750	e1250	920	2280	861	272	217	49	169
6	283	358	5760	e720	e1150	924	2030	738	271	91	187	190
7	111	685	3880	e700	e1080	950	2090	799	271	242	135	301
8	235	621	3130	e680	e1000	1210	2140	1230	269	144	486	70
9	65	428	2620	e660	e970	1650	1830	1630	200	87	235	203
10	230	464	1960	e640	e940	3150	1620	1310	261	138	40	216
11	138	378	1740	e620	e910	5050	1800	1070	230	281	197	39
12	204	378	1790	e600	e880	3850	1820	1130	40	293	228	229
13	370	393	1550	e590	e850	3400	1860	850	934	88	39	291
14	688	336	1460	e580	e820	3330	2170	742	482	142	40	83
15	458	344	1350	e570	e790	3720	2060	720	618	122	112	196
16	347	336	1230	e560	e760	4400	1810	777	632	155	368	155
17	389	331	996	e550	e740	3790	1890	1110	451	288	299	123
18	450	485	996	1460	e740	2920	1730	1180	486	100	412	126
19	344	646	1010	1700	804	2250	1510	978	765	40	1490	233
20	299	616	1180	e1400	833	2050	1340	801	871	215	1360	300
21	412	694	1950	e1200	1420	2010	1120	759	620	104	e960	256
22	759	593	3850	e1100	2040	3660	1090	695	366	106	e1600	39
23	527	500	e3000	e1000	2160	4910	1060	667	418	107	e3500	1010
24	544	429	e2000	e900	1970	5220	996	582	314	119	e2400	2200
25	513	380	e1500	e850	e1700	4910	904	516	298	294	1490	1620
26	354	370	e1350	e800	e1400	4330	982	666	294	122	e1000	1180
27	419	343	e1200	e750	e1200	3790	1100	647	288	144	676	604
28	477	673	e1100	1470	e1050	3660	950	546	233	136	e500	1040
29	256	3270	e1000	5520	---	4590	863	531	205	548	391	935
30	300	2320	e950	e3500	---	5010	828	359	465	451	402	903
31	533	---	e900	e2500	---	4320	---	469	---	341	355	---
TOTAL	11826	19601	58642	35670	33757	93404	51363	25905	11734	6280	20020	13949
MEAN	381	653	1892	1151	1206	3013	1712	836	391	203	646	465
MAX	759	3270	5760	5520	2160	5220	3690	1630	934	548	3500	2200
MIN	65	331	900	550	740	780	828	359	40	40	39	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1994, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	935	1151	1414	1310	1236	1870	1679	1009	497	223	480	321
MAX	2074	1986	1892	1740	1891	3013	2721	1654	886	393	652	520
(WY)	1990	1990	1994	1993	1990	1994	1993	1990	1992	1992	1991	1991
MIN	332	653	567	1105	965	1099	1136	665	292	124	75.2	181
(WY)	1993	1994	1990	1991	1993	1990	1991	1992	1991	1991	1993	1990

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1990 - 1994

ANNUAL TOTAL	357003	382151		
ANNUAL MEAN	978	1047		
HIGHEST ANNUAL MEAN			1010	
LOWEST ANNUAL MEAN			1133	1990
HIGHEST DAILY MEAN	7230	Mar 30	8830	Oct 21 1989
LOWEST DAILY MEAN	23	Sep 3	23	Sep 3 1993
ANNUAL SEVEN-DAY MINIMUM	53	Sep 6	53	Sep 6 1993
INSTANTANEOUS PEAK FLOW			6640	Dec 6
INSTANTANEOUS PEAK STAGE			11.58	Dec 6
INSTANTANEOUS LOW FLOW			b39	Aug 13
10 PERCENT EXCEEDS	2380		2150	
50 PERCENT EXCEEDS	584		750	
90 PERCENT EXCEEDS	67		135	

a Regulated 0.2 mi upstream at Taftville Dam; also occurred on Sept. 26, 1993.

b Also occurred on Sept. 11 and Sept. 22.

e Estimated

THAMES RIVER BASIN

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 Highway 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.

REMARKS.--Records good except for periods of estimated record, which are fair. Flow regulated by East Brimfield and Westville Lakes, and by smaller reservoirs upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	248	252	781	e315	878	e300	1290	277	163	60	64	85
2	211	236	626	e295	e750	e280	1200	335	150	52	54	70
3	169	228	518	e285	e660	268	1130	285	133	45	47	22
4	162	225	458	e275	e560	e255	1160	263	107	44	39	39
5	101	206	1230	e265	e500	e250	1070	256	90	50	37	41
6	106	245	1460	e260	e439	264	955	274	108	33	40	38
7	106	235	1250	e252	444	247	1020	332	102	40	34	35
8	112	230	1110	e249	369	316	871	426	100	29	30	34
9	85	209	871	e240	e350	395	761	445	88	31	29	39
10	86	187	711	e236	e330	664	716	402	78	30	28	54
11	77	191	628	e232	e320	864	787	348	70	26	27	81
12	81	164	560	e230	e305	982	710	310	99	26	25	67
13	213	135	596	e226	e295	911	714	290	110	25	25	52
14	147	153	608	e222	e287	952	759	260	145	29	25	68
15	175	189	521	e220	e280	1030	685	237	195	24	24	67
16	162	141	483	e218	e275	1110	695	294	174	23	23	82
17	162	144	441	e215	e320	985	702	372	141	23	23	108
18	152	250	411	e860	340	803	614	387	116	29	120	109
19	130	228	384	e760	263	712	525	365	97	30	307	112
20	130	246	377	e700	258	645	450	325	83	28	307	101
21	142	233	796	e640	409	620	380	284	74	26	292	104
22	194	217	1170	e600	521	1040	366	252	64	26	542	89
23	183	210	1000	e540	507	1230	326	236	51	26	501	288
24	163	169	873	e510	485	1390	375	262	68	27	381	326
25	152	146	719	e480	446	1460	429	232	46	27	392	274
26	109	149	e560	e455	e390	1360	339	235	45	27	327	256
27	82	168	e480	e440	e350	1320	313	262	47	26	225	256
28	115	490	e425	e1000	322	1490	299	233	45	72	172	256
29	124	1030	e390	1850	---	1680	276	213	68	69	132	227
30	115	881	e365	1500	---	1620	264	185	69	54	109	201
31	186	---	e347	1120	---	1420	---	174	---	63	90	---
TOTAL	4380	7787	21149	15690	11653	26863	20181	9051	2926	1120	4471	3581
MEAN	141	260	682	506	416	867	673	292	97.5	36.1	144	119
MAX	248	1030	1460	1850	878	1680	1290	445	195	72	542	326
MIN	77	135	347	215	258	247	264	174	45	23	23	22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1994, BY WATER YEAR (WY)

MEAN	150	229	311	329	335	539	549	311	214	102	116	117
MAX	701	711	794	1028	845	1669	1239	658	1057	700	1971	1296
(WY)	1956	1956	1984	1979	1970	1936	1940	1989	1982	1938	1955	1938
MIN	16.3	34.4	81.4	57.4	83.0	235	169	131	45.9	17.8	12.9	12.2
(WY)	1958	1950	1966	1981	1980	1989	1985	1957	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1932 - 1994
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ANNUAL TOTAL	112042.7		128852				
ANNUAL MEAN	307		353			275	
HIGHEST ANNUAL MEAN						466	1955
LOWEST ANNUAL MEAN						124	1965
HIGHEST DAILY MEAN	1780	Mar 30	1850	Jan 29		26500	Aug 19 1955
LOWEST DAILY MEAN	9.7	Jun 19	22	Sep 3		1.0	Sep 4 1956
ANNUAL SEVEN-DAY MINIMUM	18	Aug 7	25	Aug 11		8.7	Sep 30 1957
INSTANTANEOUS PEAK FLOW			2040	Jan 30		49300	Aug 19 1955
INSTANTANEOUS PEAK STAGE			66.00	Jan 23		18.96	Aug 19 1955
INSTANTANEOUS LOW FLOW			10	Sep 17		1.0	Sep 4 1956
10 PERCENT EXCEEDS	812		875			611	
50 PERCENT EXCEEDS	170		249			186	
90 PERCENT EXCEEDS	23		38			38	

a From rating curve extended above 5,100 ft³/s on basis of slope-area measurement of peak flow.

b From floodmarks.

c Also occurred July 12, 1949, Sept. 17, 18, 1950, July 9, 1951, Sept. 4, 1956, Oct. 29, 1956, and Jan. 27, 1985 (ice siphoning).

d Also occurred on Sept. 18, 1994.

e Estimated.

f Peak caused by ice jam.

THAMES RIVER BASIN

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 TEMPERATURE: 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 TEMPERATURE: 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (000061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (000020)	TEMPER- ATURE WATER (DEG C) (000010)	TUR- BID- ITY (NTU) (000076)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
15...	0930	250	149	7.2	9.5	9.0	2.4	10.8	93	400	180
DEC											
13...	1045	522	101	7.0	2.0	1.0	1.3	13.7	98	580	33
FEB											
11...	1035	E320	130	7.0	-5.0	0.0	0.80	14.2	97	210	96
APR											
12...	0955	707	104	7.2	18.0	9.0	1.2	11.6	100	38	K10
JUN											
08...	0915	110	146	7.3	21.0	21.5	1.1	8.2	94	170	390
JUL											
08...	0840	28	175	7.5	30.5	23.0	1.0	8.1	95	240	160
AUG											
11...	1025	27	182	7.3	27.0	21.5	1.4	8.3	94	460	224
SEP											
06...	0940	38	147	7.4	22.5	16.0	1.1	9.6	99	480	440

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA- LILITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT											
15...	28	7.4	2.2	16	1.3	0	14	11	12	29	0.10
DEC											
13...	18	4.6	1.5	11	1.2	0	8	7	10	14	<0.10
FEB											
11...	21	5.6	1.8	14	1.2	0	9	7	10	23	<0.10
APR											
12...	17	4.3	1.4	12	1.0	--	--	--	8.4	20	<0.10
JUN											
08...	25	7.0	1.9	16	1.5	0	15	12	9.4	25	<0.10
JUL											
08...	32	9.1	2.3	20	1.7	0	24	20	9.5	34	0.10
AUG											
11...	33	9.4	2.3	21	2.2	0	21	17	11	30	0.10
SEP											
06...	29	8.2	2.1	18	1.9	0	17	14	10	28	0.10

THAMES RIVER BASIN

01124000 QUINEBAUG RIVER AT QUINEBAUG, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 15...	5.5	90	90	0.170	<0.010	0.170	0.170	0.020	0.28	0.30	0.30
DEC 13...	7.6	64	63	0.190	0.010	0.200	0.200	0.060	--	<0.20	<0.20
FEB 11...	9.8	75	80	0.270	0.020	0.290	0.290	0.150	0.45	0.60	0.20
APR 12...	5.5	61	52	0.130	<0.010	0.130	0.130	0.040	0.16	0.20	<0.20
JUN 08...	3.7	88	88	0.420	<0.010	0.420	0.420	0.050	0.35	0.40	0.20
JUL 08...	2.9	102	110	0.430	<0.010	0.430	0.430	0.020	0.38	0.40	0.40
AUG 11...	4.0	103	106	0.510	<0.010	0.510	0.510	0.030	0.37	0.40	0.40
SEP 06...	6.1	99	104	0.450	<0.010	0.450	0.450	0.020	0.38	0.40	0.30

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 15...	0.47	0.040	<0.010	0.010	20	<1	12	<1	<1.0	<1	<1
DEC 13...	--	<0.010	<0.010	0.020	--	--	--	--	<1.0	<1	--
FEB 11...	0.89	0.040	0.040	0.010	--	--	--	--	<1.0	<1	--
APR 12...	0.33	0.010	0.020	<0.010	--	--	--	--	<1.0	<1	--
JUN 08...	0.82	0.030	0.020	0.010	--	--	--	--	<1.0	<1	--
JUL 08...	0.83	0.050	0.040	<0.010	--	--	--	--	<1.0	<1	--
AUG 11...	0.91	0.040	0.030	0.010	--	--	--	--	<1.0	<1	--
SEP 06...	0.85	0.030	0.030	0.020	--	--	--	--	<1.0	<1	--

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	2	280	<1	30	<1	5	<1.0	6	<1.0	7.5
DEC 13...	<1	160	<1	26	--	<1	--	<3	--	4.5
FEB 11...	<1	170	<1	41	--	<1	--	7	--	3.2
APR 12...	<1	100	<1	25	--	<1	--	9	--	3.3
JUN 08...	2	410	<1	40	--	<1	--	4	--	5.0
JUL 08...	2	630	2	33	--	1	--	<3	--	5.1
AUG 11...	2	420	1	41	--	<1	--	<3	--	5.0
SEP 06...	1	770	2	32	--	<1	--	<3	--	6.9

THAMES RIVER BASIN

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT

LOCATION.--Lat 41°58'41", long 71°54'03", at Red Bridge Road, 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.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
15...	1150	80	262	7.6	12.0	10.5	1.7	10.5	94	560	185
DEC											
13...	1315	390	114	7.1	4.0	1.5	1.3	13.7	99	260	26
FEB											
11...	1220	350	169	7.1	-7.0	0.0	0.70	14.2	97	5000	104
APR											
12...	1245	410	115	7.3	18.0	9.0	0.60	11.6	100	K2	K4
JUN											
08...	1135	61	183	7.4	24.5	20.0	0.50	9.1	100	110	48
JUL											
08...	1045	47	257	8.7	36.5	28.5	0.90	8.1	105	420	420
AUG											
11...	1220	43	242	9.8	30.0	22.5	3.5	9.9	115	40	40
SEP											
06...	1120	19	243	8.8	22.5	18.5	1.2	10.7	116	42	80
15...	1330	28	277	7.3	34.0	21.5	--	9.2	109	--	--

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT											
15...	32	9.7	1.8	38	3.4	0	53	43	21	34	<0.10
DEC											
13...	21	6.4	1.3	13	1.8	0	13	--	11	15	<0.10
FEB											
11...	25	7.8	1.4	21	2.2	0	18	15	13	27	<0.10
APR											
12...	18	5.6	0.99	13	1.5	--	--	--	8.8	19	<0.10
JUN											
08...	26	8.3	1.4	23	2.8	0	26	21	14	28	<0.10
JUL											
08...	31	9.6	1.7	38	3.9	0	53	44	19	33	<0.10
AUG											
11...	37	12	1.8	30	3.2	0	41	34	20	31	<0.10
SEP											
06...	29	9.0	1.6	39	3.7	0	63	52	17	31	0.10
15...	32	10	1.8	43	4.4	0	77	63	19	36	0.10

THAMES RIVER BASIN

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 15...	3.4	144	152	2.10	<0.010	2.10	2.10	0.040	0.56	0.60	0.50
DEC 13...	5.8	72	69	0.420	<0.010	0.420	0.420	0.020	--	<0.20	<0.20
FEB 11...	8.3	101	106	0.850	0.020	0.870	0.870	0.060	0.24	0.30	0.30
APR 12...	4.2	68	68	0.410	<0.010	0.410	0.410	0.030	0.17	0.20	<0.20
JUN 08...	2.9	116	132	1.00	<0.010	1.00	1.00	0.050	0.65	0.70	0.40
JUL 08...	3.2	142	156	1.58	0.020	1.60	1.60	0.030	0.87	0.90	0.80
AUG 11...	1.6	128	140	0.270	<0.010	0.270	0.270	0.020	1.1	1.1	0.50
SEP 06...	1.0	146	156	0.630	<0.010	0.630	0.630	0.020	0.68	0.70	0.40
15...	0.95	154	--	1.39	0.010	1.40	1.40	0.040	0.56	0.60	0.50

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 15...	2.7	0.200	0.170	0.170	10	<1	9	<1	<1.0	1	<1
DEC 13...	--	0.020	0.020	0.030	--	--	--	--	<1.0	<1	--
FEB 11...	1.2	0.050	0.050	0.030	--	--	--	--	<1.0	<1	--
APR 12...	0.61	0.020	0.030	0.010	--	--	--	--	<1.0	<1	--
JUN 08...	1.7	0.070	0.030	0.030	--	--	--	--	<1.0	1	--
JUL 08...	2.5	0.120	0.100	0.060	--	--	--	--	<1.0	1	--
AUG 11...	1.4	0.110	0.050	0.030	--	--	--	--	<1.0	1	--
SEP 06...	1.3	0.060	0.040	0.020	--	--	--	--	<1.0	1	--
15...	2.0	0.080	0.060	0.050	--	--	--	--	--	--	--

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 15...	6	100	<1	15	<1	2	<1.0	8	<1.0	7.0
DEC 13...	1	110	<1	18	--	<1	--	9	--	5.6
FEB 11...	2	110	<1	33	--	<1	--	11	--	4.5
APR 12...	2	77	<1	20	--	<1	--	10	--	3.9
JUN 08...	4	200	<1	10	--	<1	--	4	--	6.9
JUL 08...	4	280	1	27	--	2	--	5	--	7.6
AUG 11...	4	200	<1	28	--	1	--	<3	--	10
SEP 06...	4	250	<1	12	--	1	--	3	--	8.4
15...	--	110	--	19	--	--	--	--	--	--

THAMES RIVER BASIN

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.

REMARKS.--Records good except for periods of estimated record, which are fair. U. S. Army Corps of Engineers satellite telemetry for stage and discharge is on site. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, and Buffumville Reservoirs, by Lake Chaubunagungamaug, estimated usable capacity 207,000,000 ft³ and by smaller reservoirs upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	664	823	2400	e1180	e2500	e1350	5150	1180	636	357	167	325
2	562	877	1940	e1130	e2000	e1250	4550	1310	577	322	164	298
3	499	827	1600	e1100	e1800	e1200	4130	1290	535	287	153	238
4	457	728	1290	e1070	e1600	1500	3810	1180	495	260	154	230
5	351	832	2410	e1030	e1500	1440	3620	1140	554	241	168	209
6	459	888	5880	e1000	e1400	1420	3400	1260	349	230	233	269
7	315	828	5260	e980	e1300	1400	3220	1490	449	223	249	325
8	275	748	4390	e960	e1200	1720	3370	1700	390	209	207	257
9	377	496	3490	e940	e1150	2290	2730	2010	363	210	209	220
10	309	538	2890	e920	e1100	3890	2700	1870	400	203	200	189
11	185	693	2840	e900	e1070	8420	2780	1680	347	200	166	191
12	254	691	2350	e880	e1040	6650	2760	1400	331	202	134	661
13	400	557	2430	e860	e1010	5180	2730	1270	567	202	138	199
14	471	541	2200	e840	e980	4740	3490	1150	654	188	151	276
15	503	525	2120	e830	e960	4710	3430	1120	724	203	179	243
16	498	431	2030	e820	e940	5560	3110	1260	690	209	187	231
17	502	481	1710	e810	e920	5300	3030	1400	673	212	168	157
18	491	575	1640	e1500	e910	4430	2780	1420	483	209	362	103
19	377	721	1620	e3000	e900	3620	2490	1440	475	189	648	106
20	506	849	1670	e2200	1300	3290	1930	1380	415	149	732	117
21	550	773	2010	e1850	1890	3130	2030	1260	391	133	781	203
22	708	684	3860	e1650	2620	4370	1730	1120	330	147	1540	252
23	680	550	4060	e1450	2790	6470	1610	973	310	155	1980	881
24	604	570	e2900	e1350	e2400	6450	1490	973	294	151	1550	1500
25	602	501	e2300	e1250	e2100	6320	1400	863	246	167	1150	1330
26	486	473	e1900	e1150	e1800	5730	1550	941	250	169	1120	1070
27	596	441	e1650	e1100	e1600	5300	1510	944	267	162	805	837
28	415	533	e1500	1730	e1450	5530	1450	864	293	160	639	981
29	458	2150	e1350	6030	---	6350	1150	822	342	167	569	858
30	500	2370	e1270	e4500	---	6890	1190	747	382	173	394	782
31	667	---	e1200	e3200	---	6090	---	685	---	169	302	---
TOTAL	14721	22694	76160	48210	42230	131990	80320	38142	13212	6258	15599	13538
MEAN	475	756	2457	1555	1508	4258	2677	1230	440	202	503	451
MAX	708	2370	5880	6030	2790	8420	5150	2010	724	357	1980	1500
MIN	185	431	1200	810	900	1200	1150	685	246	133	134	103

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1994, BY WATER YEAR (WY)

	MEAN	656	1075	1473	1571	1646	2540	2440	1526	1005	559	508	527
MAX	3279	3443	4125	5694	3919	6930	5519	2842	4758	4110	3918	3502	
(WY)	1956	1956	1973	1979	1970	1936	1987	1989	1982	1938	1955	1938	
MIN	132	189	281	219	473	1220	854	620	262	138	98.4	97.4	
(WY)	1931	1966	1931	1981	1980	1941	1966	1930	1957	1957	1957	1957	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1919 - 1994

ANNUAL TOTAL	481353	503074										
ANNUAL MEAN	1319	1378								1292		
HIGHEST ANNUAL MEAN										2015		1984
LOWEST ANNUAL MEAN										598		1930
HIGHEST DAILY MEAN	8680	Mar 30	8420	Mar 11					35300	Aug 20	1955	
LOWEST DAILY MEAN	104	Jul 6	103	Sep 18					a18	Aug 28	1949	
ANNUAL SEVEN-DAY MINIMUM	105	Sep 1	153	Jul 20					58	Sep 16	1983	
INSTANTANEOUS PEAK FLOW			8970	Mar 11					b40700	Aug 20	1955	
INSTANTANEOUS PEAK STAGE			14.05	Mar 11					c29.00	Aug 20	1955	
INSTANTANEOUS LOW FLOW			f99	Sep 17					d16	Sep 25	1948	
10 PERCENT EXCEEDS	3450		3380						2780			
50 PERCENT EXCEEDS	755		888						915			
90 PERCENT EXCEEDS	111		201						240			

a Also occurred on 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.

e Estimated.

f Also occurred on Sept. 18, 1994.

THAMES RIVER BASIN

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.

REMARKS.--Unpublished records of iron, specific conductance, pH of daily samples for 1955-56 available in the office at Hartford, Conn. Interruptions in the record are due to malfunctions of the instrument. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records. Extremes for period of daily record and current year are only for those values reported.

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 periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE,	SPE-	PH	TEMPER-	TEMPER-	TUR-	OXYGEN,	OXYGEN,	COLI-	ENTERO-	
		INST.	CIFIC	WATER					DIS-	FORM,	COCCI	
		CUBIC	CON-	WHOLE					SOLVED	FECAL,	ME, MF	
		FEET	DUCT-	FIELD					(PER-	0.45	WATER	
PER	ANCE	(STAND-	AIR	ATURE	ATURE	ITY	DIS-	SATUR-	UM-MF	TOTAL		
SECOND	(US/CM)	UNITS)	(DEG C)	(DEG C)	(NTU)	(MG/L)	SOLVED	ATION)	(COLS./	(COL /		
(00061)	(00095)	(00400)	(00020)	(00010)	(00076)	(00300)	(00301)	(31616)	(31649)			
NOV												
23...	1145	830	147	7.6	17.0	5.5	1.6	12.6	99	40	210	
JAN												
14...	1115	E880	115	7.1	4.5	0.0	0.70	14.2	99	480	125	
MAR												
09...	1355	2310	114	7.1	0.0	0.5	2.3	13.6	93	820	500	
MAY												
13...	1030	1580	110	7.3	15.0	19.0	1.5	9.6	105	80	48	
JUN												
09...	0955	323	133	7.7	21.5	20.5	1.8	9.1	101	460	96	
JUL												
21...	0930	135	175	9.1	30.0	25.5	8.0	8.7	106	2400	56	
AUG												
02...	0850	163	175	8.4	29.5	27.0	7.3	7.8	98	140	31	
SEP												
01...	1245	278	118	8.1	25.0	23.0	0.70	9.4	110	80	80	
20...	0930	107	170	6.6	9.0	18.0	--	7.4	77	--	--	
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV												
23...	30	8.8	2.0	13	2.4	0	21	17	13	19	<0.10	
JAN												
14...	25	7.1	1.7	11	1.7	0	15	12	11	15	<0.10	
MAR												
09...	21	6.0	1.5	11	1.7	--	--	--	9.7	19	<0.10	
MAY												
13...	23	6.9	1.5	11	1.5	0	15	12	9.3	16	<0.10	
JUN												
09...	28	8.2	1.8	13	2.2	0	22	18	10	19	<0.10	
JUL												
21...	36	11	2.1	19	3.3	0	39	32	12	23	<0.10	
AUG												
02...	36	11	2.1	17	3.5	0	31	25	11	23	<0.10	
SEP												
01...	26	7.7	1.7	12	2.2	0	20	16	9.3	17	<0.10	
20...	34	10	2.1	16	2.8	0	38	31	12	19	<0.10	

THAMES RIVER BASIN

01127000 QUINEBAUG RIVER AT JEWETT CITY, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 23...	6.3	86	72	0.500	<0.010	0.500	0.500	0.010	0.29	0.30	0.20
JAN 14...	9.9	67	86	0.640	0.030	0.670	0.670	0.180	0.12	0.30	0.30
MAR 09...	8.1	69	60	0.670	0.020	0.690	0.690	0.220	0.18	0.40	0.30
MAY 13...	4.2	45	74	0.360	<0.010	0.360	0.360	0.050	0.35	0.40	0.30
JUN 09...	3.3	84	80	0.410	0.010	0.420	0.420	0.070	0.53	0.60	0.30
JUL 21...	4.2	101	122	--	<0.010	--	<0.050	0.100	1.0	1.1	0.40
AUG 02...	4.5	92	114	1.62	0.080	1.70	1.70	0.320	0.48	0.80	0.60
SEP 01...	5.7	82	92	0.290	0.010	0.300	0.300	0.030	0.47	0.50	0.30
20...	2.5	99	--	0.530	<0.010	0.530	0.530	0.040	0.36	0.40	0.30

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV 23...	0.80	0.050	0.040	0.030	<1	<1.0	2	<1	2	2
JAN 14...	0.97	0.030	0.010	0.020	<1	<1.0	1	<1	1	1
MAR 09...	1.1	0.040	0.020	0.020	<1	<1.0	1	<1	2	1
MAY 13...	0.76	0.050	0.010	<0.010	<1	<1.0	2	1	2	2
JUN 09...	1.0	0.050	<0.010	<0.010	<1	<1.0	1	1	2	2
JUL 21...	1.1	0.110	0.040	0.030	<1	<1.0	1	<1	3	2
AUG 02...	2.5	0.220	0.160	0.150	<1	<1.0	2	<1	1	2
SEP 01...	0.80	0.050	0.020	0.020	<1	<1.0	1	<1	2	2
20...	0.93	0.040	0.020	0.010	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 23...	340	210	1	<1	14	1	1	<10	9	5.2
JAN 14...	250	190	<1	<1	38	<1	<1	<10	6	4.1
MAR 09...	290	120	2	<1	34	<1	<1	10	9	4.1
MAY 13...	500	220	1	<1	42	1	<1	<10	10	5.8
JUN 09...	500	230	2	<1	11	<1	<1	<10	4	6.2
JUL 21...	610	270	<1	<1	30	1	<1	<10	<3	9.3
AUG 02...	500	140	2	<1	20	1	<1	<10	<3	5.8
SEP 01...	550	320	2	<1	13	<1	<1	<10	4	8.3
20...	--	170	--	--	6	--	--	--	--	--

THAMES RIVER BASIN

01127500 YANTIC RIVER AT YANTIC, CT

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, Hydrologic Unit 01100003, on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mi downstream from Susquetonscut Brook, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--89.3 mi².

PERIOD OF RECORD.--Discharge: October 1930 to current year.

Water-quality records: Water years 1958, 1968-80.

Daily suspended sediment discharge: Water years 1975-80.

REVISED RECORDS.--WSP 1051: 1931-36. WSP 1301: 1934(M). WDR CT-78-1: 1970-77 (P). WDR CT-82-1: 1979-80 (P).

WDR CT-83-1: Drainage area, 1979 (P), 1982 (P).

GAGE.--Water-stage recorder. Datum of gage is 94.46 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Low flow regulated by mills upstream. City of Norwich automated flood warning system is on site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	153	220	e83	e200	e150	423	116	38	47	8.0	19
2	27	119	164	e77	e150	e145	345	133	36	29	7.7	17
3	26	84	143	e72	e135	e140	303	111	31	22	7.4	15
4	23	71	134	e67	e120	201	273	121	28	18	7.0	14
5	18	68	968	e63	e110	184	245	154	27	16	8.7	14
6	19	106	1320	e59	e105	180	228	e135	24	15	25	13
7	15	101	588	e55	e100	179	324	e120	25	13	27	11
8	14	86	332	e51	e95	276	306	e210	24	13	17	10
9	12	75	244	e48	e90	341	247	e150	22	13	13	9.7
10	12	68	209	e45	e85	1230	229	e120	19	12	11	9.3
11	10	64	355	e43	e80	1590	259	e100	17	11	9.8	8.6
12	19	62	322	e41	e77	788	225	e90	19	9.5	10	8.6
13	84	59	231	e39	e74	605	239	e83	27	9.1	11	8.3
14	67	58	198	e38	e72	576	424	e77	39	8.7	13	8.2
15	51	58	186	e37	e70	654	315	e72	51	17	13	7.9
16	32	56	171	e36	e68	832	274	e160	44	15	12	7.9
17	31	59	153	e35	e66	658	252	e170	32	13	11	8.0
18	28	106	139	e400	e64	453	209	e120	26	12	25	9.0
19	43	117	172	e300	e62	361	185	e105	22	11	40	11
20	51	134	207	e200	e80	325	172	e95	19	10	35	12
21	77	109	480	e150	442	345	153	e85	17	9.6	29	10
22	154	87	772	e130	677	1090	143	e77	18	9.1	97	9.1
23	122	76	433	e120	519	1240	133	e68	15	8.6	206	142
24	85	69	e250	e110	e350	914	127	59	14	9.7	169	307
25	66	65	e190	e100	e260	741	118	56	15	9.5	100	221
26	58	58	e160	e90	e210	574	121	69	15	8.8	62	135
27	59	57	e130	e85	e180	494	119	68	14	8.2	44	95
28	60	207	e120	e80	e165	678	131	55	14	10	31	94
29	56	773	e110	e1100	---	849	120	50	22	9.2	29	85
30	58	459	e100	e500	---	802	112	45	63	9.6	27	60
31	133	---	e90	e300	---	566	---	41	---	9.1	22	---
TOTAL	1543	3664	9291	4554	4706	18161	6754	3115	777	415.7	1127.6	1379.6
MEAN	49.8	122	300	147	168	586	225	100	25.9	13.4	36.4	46.0
MAX	154	773	1320	1100	677	1590	424	210	63	47	206	307
MIN	10	56	90	35	62	140	112	41	14	8.2	7.0	7.9
CFSM	.56	1.37	3.36	1.65	1.88	6.56	2.52	1.13	.29	.15	.41	.51
IN.	.64	1.53	3.87	1.90	1.96	7.57	2.81	1.30	.32	.17	.47	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1994, BY WATER YEAR (WY)

	MEAN	80.8	147	203	231	238	346	300	180	113	52.8	46.1	55.9
MAX	676	498	660	1130	531	782	886	409	892	553	245	718	
(WY)	1956	1956	1973	1979	1970	1936	1983	1989	1982	1938	1955	1938	
MIN	8.15	19.8	28.5	38.7	62.4	137	80.7	56.3	16.3	7.05	5.85	5.83	
(WY)	1942	1966	1944	1966	1980	1981	1985	1986	1964	1991	1957	1957	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1931 - 1994

ANNUAL TOTAL	58816.5	55487.9	166	1938
ANNUAL MEAN	161	152	71.7	1966
HIGHEST ANNUAL MEAN			281	
LOWEST ANNUAL MEAN			71.7	
HIGHEST DAILY MEAN	1370	Apr 2	1590	Mar 11
LOWEST DAILY MEAN	5.4	Aug 22	7.0	Aug 4
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 10	8.2	Jul 30
INSTANTANEOUS PEAK FLOW			2330	Mar 10
INSTANTANEOUS PEAK STAGE			c12.94	Jan 29
INSTANTANEOUS LOW FLOW			6.4	Aug 4
ANNUAL RUNOFF (CFSM)	1.80		1.70	
ANNUAL RUNOFF (INCHES)	24.50		23.11	
10 PERCENT EXCEEDS	419		357	
50 PERCENT EXCEEDS	84		75	
90 PERCENT EXCEEDS	8.8		11	

a From computation of flow over two dams 2.4 mi upstream and 3.0 mi downstream from station, respectively.

b A slightly higher gage-height of 14.88 ft occurred on June 6, 1982, due to reconstruction of the river bank following the flood of 1938.

c Peak gage-height caused by ice jam.

e Estimated

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 current year. 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 41°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.

CONNECTICUT RIVER BASIN

01172003 CONNECTICUT RIVER BELOW HOLYOKE DAM AT HOLYOKE, MA

LOCATION.--Lat 42°12'36", long 72°35'44", Hampden County, Hydrologic Unit 01080201, on right bank, 2,200 ft downstream from dam of Holyoke Water Power Co. in Holyoke, MA. and at mile 86.

DRAINAGE AREA.--8,309 mi².

PERIOD OF RECORD.--December 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 43.276 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair. Several measurements of water temperature were made during the year. 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. Records do not include water diverted around gage by Holyoke Water Power Company for industrial use.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6070	6340	16400	9250	7520	7340	20500	27400	10100	8130	7390	3800
2	2450	8390	11600	7600	7480	8720	21800	30500	10300	9410	7170	4130
3	4990	8710	10600	7410	7400	5900	20600	30500	9680	6920	7190	3440
4	5520	8750	9190	7300	5830	7050	28300	27700	7570	6030	4880	2310
5	4650	8640	10700	8330	5590	7420	36900	25200	5870	6910	6190	2170
6	4610	7860	19900	7830	5720	6900	42900	21200	7320	8620	6290	2360
7	3870	6950	18600	7340	6090	5150	52100	16300	8190	8390	3680	3220
8	4510	9150	16000	4730	5670	6840	73200	17300	9360	7130	5010	3950
9	4600	9460	13200	4840	6070	8680	72800	24900	9650	6840	4250	3610
10	3510	9160	9770	6510	6120	8650	57700	27600	8940	4650	4260	4470
11	3450	9280	10600	7250	6730	11600	56300	25300	9010	6970	3890	2390
12	3970	7750	11300	7220	6840	11500	60100	18200	8000	8610	3620	2450
13	5370	8970	11600	6710	4490	10900	59100	15700	5060	6810	3160	2900
14	5620	8740	11300	6640	4810	12600	75300	16100	7810	6370	3270	5140
15	4900	7980	10800	4800	6000	11700	83800	15400	10500	5870	3480	5240
16	5690	7570	12100	5210	5960	11900	79700	12400	10600	3480	3870	5300
17	4490	7490	11100	5350	7030	9970	88700	21400	10400	3790	4730	5590
18	4490	8450	11400	7040	6230	10800	90000	25200	9140	3870	5590	4910
19	4840	10000	10300	6620	5230	9580	88200	23000	7830	3880	6330	4770
20	4930	9860	8940	5690	4090	8550	80100	20300	5320	4900	6190	6030
21	7400	9240	10500	5360	5200	7230	69400	17300	5150	6410	6140	4770
22	8060	7850	20400	5490	6080	8660	57600	14400	6980	6450	6010	5470
23	5570	8780	20900	5010	7200	9180	39600	10700	9050	6630	10800	5900
24	3830	8950	17400	4740	7250	10600	31100	12400	5920	10000	9980	6350
25	6150	9360	12400	3410	7280	13900	27700	12200	4750	4530	5970	5960
26	7290	8500	8650	5850	7020	19600	28600	9930	4520	7880	4870	5640
27	7350	8700	11600	7020	6080	18300	28200	9470	7070	8360	4710	7060
28	6570	7250	7680	3910	5290	21200	30000	10800	7250	8950	4180	9670
29	7120	13800	6310	5450	---	20900	36000	12500	6280	9480	4670	9940
30	4740	20800	7770	7560	---	21900	33300	12800	9260	6940	5640	9860
31	3510	---	8420	7240	---	20400	---	10000	---	5090	4360	---
TOTAL	160120	272730	377430	194710	172300	353620	1569600	574100	236880	208300	167770	148800
MEAN	5165	9091	12180	6281	6154	11410	52320	18520	7896	6719	5412	4960
MAX	8060	20800	20900	9250	7520	21900	90000	30500	10600	10000	10800	9940
MIN	2450	6340	6310	3410	4090	5150	20500	9470	4520	3480	3160	2170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1994, BY WATER YEAR (WY)

	MEAN	9579	11740	10560	7847	9140	17410	34950	16610	10430	5553	5778	4964
MAX	16340	16810	20720	12880	21890	34660	58300	31900	31100	8595	14780	8601	
(WY)	1991	1991	1991	1991	1984	1990	1993	1989	1984	1984	1990	1987	
MIN	1512	3540	5787	4760	4250	9579	15650	7366	4088	2578	2718	1378	
(WY)	1985	1985	1985	1985	1989	1987	1989	1985	1987	1988	1991	1985	1984

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1984 - 1994	
ANNUAL TOTAL	4220190		4436360			
ANNUAL MEAN	11560		12150		11610	
HIGHEST ANNUAL MEAN					15310	
LOWEST ANNUAL MEAN					6580	
HIGHEST DAILY MEAN	83400	Mar 31	90000	Apr 18	145000	Jun 1 1984
LOWEST DAILY MEAN	1910	Aug 10	2170	Sep 5	519	Sep 30 1984
ANNUAL SEVEN-DAY MINIMUM	2050	Aug 8	3010	Sep 3	707	Sep 18 1984
INSTANTANEOUS PEAK FLOW			91500	Apr 19	153000	Jun 1 1984
INSTANTANEOUS PEAK STAGE			17.94	Apr 19	25.62	Jun 1 1984
INSTANTANEOUS LOW FLOW			614	Jan 25	199	Dec 9 1992
10 PERCENT EXCEEDS	20600		23800		25200	
50 PERCENT EXCEEDS	6810		7420		7720	
90 PERCENT EXCEEDS	2920		4320		3030	

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT
(National stream-quality accounting network and radiochemical station)

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 on river. 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.

REMARKS.--Records fair except for periods of estimated record, which are poor. U. S. Army Corps of Engineers satellite telemetry at this station used for backup stage this year. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11200	8320	26500	15100	16100	11800	36500	42600	18200	10900	11500	8090
2	7590	12400	20500	12400	16800	13700	38900	44600	18400	12300	11900	7640
3	7650	12800	18700	10800	16400	11600	37200	44000	17900	e9000	11900	7220
4	9200	13100	16900	11800	12500	11200	44100	40300	15200	e8000	10400	e7400
5	9760	12600	19600	12200	e9000	12400	54700	36200	10200	e9000	e9700	e7800
6	9730	12200	31200	e11000	e8400	11300	60100	30400	11300	10200	e9000	e7200
7	8710	10200	30800	e10300	e8200	10200	67600	25100	11600	10600	e8700	e7400
8	9070	13200	26600	e9500	e8000	12100	88700	26000	12300	10400	e8400	e7200
9	9880	15200	23900	e9700	e9000	13700	91100	34100	13800	e9500	e9000	e7600
10	7480	15500	19400	e10000	e10000	18000	76400	36300	12900	e8800	e7800	e7400
11	5650	14900	20100	e11000	e11000	24000	73200	33000	11700	e8200	e7000	e6000
12	6040	12700	21000	12100	e12000	23200	76800	26400	12100	10800	e7000	e5000
13	10700	12500	21000	10300	e8000	21300	75000	25900	9850	9840	e7400	e5300
14	12200	13400	20500	e9500	8580	22300	89700	25400	10400	e9500	e7400	6580
15	10100	11400	19800	e9000	9820	23000	102000	25000	14300	e9800	e6500	7690
16	7870	10900	21000	e8700	9150	23300	95900	23300	15100	e8500	e6200	7130
17	6950	11700	20300	e8400	10900	20900	104000	31400	15500	e7500	e7000	7890
18	6900	12100	19600	12800	e9000	20400	103000	38400	14600	e7600	12000	7690
19	9800	15900	19000	e11500	e8300	20100	103000	35500	11800	e7500	14500	6840
20	10700	17900	17000	e10500	e7600	18400	96600	31700	9800	e7400	14900	7960
21	12800	17100	18800	e9700	e10000	16900	85400	27600	e9000	e8500	14500	7450
22	13100	13800	31100	e9200	14700	19200	74300	24900	e8600	e9500	15800	e7600
23	11200	14500	31600	e8600	15300	21300	55800	18400	11100	e9700	19800	10900
24	6190	14100	28200	e8300	15300	23200	44800	19400	10300	12800	20300	13900
25	7020	13900	22200	e8000	15100	26300	40400	20200	e9500	10000	15700	12200
26	10200	13500	18400	13500	14500	36100	39800	18900	e9000	9980	11700	8270
27	9360	13000	e15500	17100	12400	34100	42200	19000	e8500	10200	10400	10200
28	9240	12400	e14000	9650	11600	38300	41000	19600	9810	12200	10100	14400
29	9800	23100	12600	11700	---	39100	47900	21400	9870	13200	9440	16500
30	8210	30100	12000	14400	---	39300	48200	20900	11300	e11000	9700	17000
31	5760	---	14600	17000	---	36800	---	18900	---	e8500	8630	---
TOTAL	280060	424420	652400	343750	317650	673500	2034300	884800	363930	300920	334270	261450
MEAN	9034	14150	21050	11090	11340	21730	67810	28540	12130	9707	10780	8715
MAX	13100	30100	31600	17100	16800	39300	104000	44600	18400	13200	20300	17000
MIN	5650	8320	12000	8000	7600	10200	36500	18400	8500	7400	6200	5000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1994, BY WATER YEAR (WY)

	MEAN	10010	14690	15370	13650	13490	24950	45600	27270	13660	7634	6997	7184
MAX	31730	31690	38350	30180	39100	89210	76050	51520	42600	28810	22530	42700	
(WY)	1978	1956	1984	1978	1981	1936	1960	1972	1984	1973	1955	1938	
MIN	2690	5015	5548	4311	4386	6965	20070	9611	4900	3202	2911	2719	
(WY)	1964	1965	1948	1931	1940	1940	1946	1941	1964	1962	1965	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1928 - 1994

ANNUAL TOTAL	6281120	6871450		
ANNUAL MEAN	17210	18830		
HIGHEST ANNUAL MEAN			16680	
LOWEST ANNUAL MEAN			24830	1976
HIGHEST DAILY MEAN	104000	Mar 31	278000	Mar 20 1936
LOWEST DAILY MEAN	3090	Aug 10	968	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	3330	Aug 8	1870	Aug 15 1964
INSTANTANEOUS PEAK FLOW			106000	Apr 17
INSTANTANEOUS PEAK STAGE			6.34	Apr 17
INSTANTANEOUS LOW FLOW			b	968
10 PERCENT EXCEEDS	31400	37600	37100	
50 PERCENT EXCEEDS	11300	12300	11000	
90 PERCENT EXCEEDS	4560	7620	4050	

a From floodmarks.

b Instantaneous low flow occurred during an estimated period.

e Estimated.

CONNECTICUT RIVER BASIN

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 current year.

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

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

REMARKS.--Interruptions in the record are due to malfunctions of the instrument. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records. Extremes for period of daily record and current year are for those values reported. Due to equipment malfunction, daily specific conductance data were not published this year and temperature has some missing data.

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.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.5°C June 19, 20; minimum, 0.0°C on numerous days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
14...	1222	12200	126	7.7	12.0	10.0	--	9.0	79	--	--	--
NOV												
18...	1115	12600	114	7.5	11.0	7.0	1.0	11.4	94	1900	650	260
DEC												
16...	1030	21200	99	7.4	7.0	2.5	--	13.5	99	--	--	--
JAN												
25...	1120	8000	137	7.2	2.0	0.0	0.80	13.0	90	1200	400	500
FEB												
16...	1100	9660	127	7.3	0.0	0.0	--	13.0	88	--	--	--
MAR												
21...	1015	17000	108	7.3	22.5	2.0	--	13.0	94	--	--	--
21...	1122	16900	108	7.3	--	2.0	1.7	13.0	94	700	104	--
APR												
01...	1215	36300	100	6.4	11.0	4.0	--	15.0	116	--	--	--
13...	1030	74600	81	7.4	10.0	4.0	--	13.8	106	--	--	--
29...	1120	47400	88	7.3	9.0	16.0	--	12.6	126	--	--	--
MAY												
19...	1300	34400	97	7.3	20.0	6.0	1.2	12.6	101	120	45	48
24...	0945	19400	99	6.4	19.0	16.0	--	8.4	86	--	--	--
JUN												
02...	1130	18600	102	6.6	23.5	17.0	--	8.7	91	--	--	--
10...	1100	12000	111	7.7	26.5	20.0	0.40	8.2	90	50	K3	--
JUL												
22...	0915	9500	129	7.3	33.0	27.0	0.30	6.6	83	80	K3	K8
AUG												
18...	0945	12600	130	7.3	26.0	22.5	4.2	7.1	82	1100	1000	--
18...	0950	12600	--	--	--	--	--	--	--	--	--	--
24...	1000	20800	118	7.6	22.0	21.0	--	7.8	87	--	--	--
30...	1320	10300	115	7.6	22.0	23.0	--	6.8	79	--	--	--
SEP												
22...	1000	7160	134	7.7	25.0	19.0	0.90	7.4	79	36	K6	--

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COLI-FORM, FECA, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT FIELD CO3 (MG/L AS) (00452)	BICARBONATE WATER DIS IT FIELD HC03 (MG/L AS) (00453)	ALKALINITY WAT DIS TOT IT FIELD CAC03 (MG/L AS) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 14...	--	37	12	1.6	8.2	1.6	0	38	31	9.7	11
NOV 18...	2100	34	11	1.5	7.4	1.3	--	--	--	9.7	11
DEC 16...	--	29	9.3	1.5	6.4	1.0	0	24	20	9.0	8.7
JAN 25...	1100	37	12	1.7	11	1.4	--	--	--	11	16
FEB 16...	--	35	11	1.9	9.7	1.2	--	--	--	10	15
MAR 21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	26	8.3	1.4	9.3	1.1	--	--	--	8.6	15
APR 01...	--	26	8.3	1.4	8.0	1.0	--	24	20	8.1	13
13...	--	23	7.4	1.1	4.8	0.90	0	19	17	7.3	7.9
29...	--	26	8.7	1.1	4.4	0.90	0	24	21	7.1	7.2
MAY 19...	110	25	8.0	1.1	5.2	0.80	0	22	18	7.4	8.2
24...	--	28	9.1	1.3	6.2	0.90	--	27	22	8.1	9.7
JUN 02...	--	33	11	1.3	6.1	1.0	--	32	26	8.3	9.1
10...	--	31	10	1.4	6.6	1.1	0	31	25	8.1	10
JUL 22...	--	37	12	1.7	8.4	1.4	0	29	24	9.4	13
AUG 18...	--	41	13	2.0	9.7	1.7	--	--	--	8.8	14
18...	--	40	13	1.8	9.3	1.8	--	--	--	9.6	13
24...	--	37	12	1.6	7.8	1.1	--	--	--	7.9	12
30...	--	37	12	1.7	8.0	1.1	0	29	24	8.2	12
SEP 22...	--	43	14	2.0	9.5	1.9	0	45	37	10	14
DATE	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 14...	0.10	4.3	72	--	0.270	<0.010	0.270	0.270	0.080	0.12	0.20
NOV 18...	<0.10	4.6	73	67	0.230	0.030	0.260	0.260	0.200	0.20	0.40
DEC 16...	<0.10	6.2	52	--	0.260	<0.010	0.260	0.260	0.100	--	<0.20
JAN 25...	<0.10	6.6	81	88	0.400	0.020	0.420	0.420	0.320	0.28	0.60
FEB 16...	<0.10	7.0	77	--	0.540	0.020	0.560	0.560	0.250	0.25	0.50
MAR 21...	--	--	--	--	--	--	--	--	--	--	--
21...	<0.10	6.7	60	68	0.350	<0.010	0.350	0.350	0.120	0.18	0.30
APR 01...	<0.10	6.0	64	--	0.260	<0.010	0.260	0.260	0.080	0.22	0.30
13...	<0.10	5.4	53	--	0.260	0.010	0.270	0.270	0.080	--	<0.20
29...	<0.10	4.8	57	--	0.280	<0.010	0.280	0.280	0.050	0.15	0.20
MAY 19...	<0.10	4.7	58	70	0.210	<0.010	0.210	0.210	0.040	0.16	0.20
24...	<0.10	5.0	59	--	0.250	<0.010	0.250	0.250	0.100	0.20	0.30
JUN 02...	<0.10	4.8	67	--	0.260	0.020	0.280	0.280	0.090	--	<0.20
10...	<0.10	4.9	70	60	0.270	<0.010	0.270	0.270	0.080	0.12	0.20
JUL 22...	<0.10	4.4	77	78	0.370	<0.010	0.370	0.370	0.070	0.23	0.30
AUG 18...	<0.10	4.4	75	90	0.340	0.020	0.360	0.360	0.210	0.19	0.40
18...	<0.10	4.3	84	--	0.320	0.020	0.340	0.340	0.210	0.29	0.50
24...	<0.10	5.3	84	--	--	<0.010	--	<0.050	0.080	0.22	0.30
30...	<0.10	5.0	76	--	0.250	<0.010	0.250	0.250	0.010	0.19	0.20
SEP 22...	<0.10	3.9	86	98	0.280	0.030	0.310	0.310	0.260	0.34	0.60

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
OCT 14...	0.20	0.47	0.020	<0.010	0.020	--	--	--	--	--	--
NOV 18...	--	0.66	0.060	0.060	0.050	20	11	<1	<1.0	2	<1
DEC 16...	<0.20	--	0.010	<0.010	0.010	--	--	--	--	--	--
JAN 25...	--	1.0	0.070	0.070	0.060	30	13	<1	<1.0	<1	<1
FEB 16...	0.50	1.1	0.070	0.060	0.040	--	--	--	--	--	--
MAR 21...	--	--	--	--	--	--	--	--	--	--	--
21...	0.30	0.65	0.010	0.020	0.010	--	--	<1	<1.0	<1	<1
APR 01...	<0.20	0.56	0.050	0.010	0.010	--	--	--	--	--	--
13...	<0.20	--	0.050	0.020	<0.010	--	--	--	--	--	--
29...	<0.20	0.48	0.040	<0.010	<0.010	--	--	--	--	--	--
MAY 19...	--	0.41	<0.010	<0.010	<0.010	40	9	--	<1.0	--	<1
24...	0.30	0.55	0.030	0.020	0.010	--	--	--	--	--	--
JUN 02...	0.20	--	0.020	<0.010	0.010	--	--	--	--	--	--
10...	<0.20	0.47	0.010	<0.010	<0.010	--	--	<1	<1.0	<1	<1
JUL 22...	--	0.67	0.030	0.020	0.020	10	14	<1	<1.0	<1	<1
AUG 18...	0.40	0.76	0.060	0.050	0.030	--	--	<1	<1.0	<1	<1
18...	0.30	0.84	0.080	0.050	0.050	--	--	--	--	--	--
24...	0.30	0.30	0.080	0.030	0.020	--	--	--	--	--	--
30...	<0.20	0.45	0.020	0.020	<0.010	--	--	--	--	--	--
SEP 22...	0.50	0.91	0.070	0.070	0.070	--	--	<1	<1.0	<1	<1

DATE	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)
OCT 14...	--	--	--	--	65	--	--	--	16	--	--
NOV 18...	<3	2	1	280	130	1	<1	<4	21	<10	6
DEC 16...	--	--	--	--	110	--	--	--	19	--	--
JAN 25...	<3	1	1	220	110	<1	<1	<4	32	<10	<1
FEB 16...	--	--	--	--	93	--	--	--	32	--	--
MAR 21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	2	2	310	87	2	1	--	26	--	<1
APR 01...	--	--	--	--	81	--	--	--	19	--	--
13...	--	--	--	--	64	--	--	--	10	--	--
29...	--	--	--	--	69	--	--	--	10	--	--
MAY 19...	<3	--	<1	--	100	--	<1	<4	11	<10	--
24...	--	--	--	--	130	--	--	--	27	--	--
JUN 02...	--	--	--	--	120	--	--	--	16	--	--
10...	--	1	1	200	93	<1	<1	--	18	--	<1
JUL 22...	<3	2	2	110	56	<1	5	<4	14	<10	<1
AUG 18...	--	2	2	450	82	<1	<1	--	21	--	1
18...	--	--	--	--	93	--	--	--	20	--	--
24...	--	--	--	--	140	--	--	--	14	--	--
30...	--	--	--	--	130	--	--	--	21	--	--
SEP 22...	--	2	2	120	63	<1	<1	--	19	--	1

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT 14...	--	--	--	--	--	--	--	--	--	4.2	0.2
NOV 18...	1	<1	<1.0	57	<6	<10	20	0.09	--	3.9	0.3
DEC 16...	--	--	--	--	--	--	--	--	--	3.8	0.2
JAN 25...	<1	<1	<1.0	55	<6	<10	10	--	--	3.0	0.2
FEB 16...	--	--	--	--	--	--	--	--	--	3.1	0.2
MAR 21...	--	--	--	--	--	--	--	--	--	3.1	0.3
21...	<1	--	--	--	--	<10	6	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	2.4	0.3
13...	--	--	--	--	--	--	--	--	--	3.1	2.2
29...	--	--	--	--	--	--	--	--	--	3.3	0.6
MAY 19...	<1	<1	<1.0	39	<6	--	<10	--	--	4.4	0.3
24...	--	--	--	--	--	--	--	--	--	--	--
JUN 02...	--	--	--	--	--	--	--	--	--	--	--
10...	<1	--	--	--	--	<10	3	--	--	3.8	0.2
JUL 22...	<1	<1	<1.0	67	<6	<10	10	0.06	--	3.2	0.2
AUG 18...	1	--	--	--	--	<10	3	--	4.6	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	4.4	1.0
30...	--	--	--	--	--	--	--	--	--	3.7	0.2
SEP 22...	<1	--	--	--	--	<10	<3	--	--	3.5	0.2

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- SOLVED SUS- PENDE D (MG/L) (80154)	SEDI- MENT, DIS- SOLVED SUS- PENDE D (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 14...	1222	12200		3	99	67
NOV 18...	1115	12600		1	34	50
DEC 16...	1030	21200		13	744	62
JAN 25...	1120	8000		8	173	67
FEB 16...	1100	9660		14	365	50
APR 01...	1215	36300		15	1470	75
29...	1120	47400		39	4990	83
MAY 19...	1300	34400		33	3070	57
JUL 22...	0915	9500		3	77	60
AUG 24...	1000	20800		28	1570	43
30...	1320	10300		3	83	97
SEP 22...	1000	7160		2	39	77

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
NOV 18...	1115	<0.02	0.09
JUL 22...	0915	0.04	0.06

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	.0	.0	.0
2	---	---	---	---	---	---	---	---	---	.0	.0	.0
3	---	---	---	---	---	---	---	---	---	.0	.0	.0
4	---	---	---	---	---	---	4.0	3.5	4.0	.0	.0	.0
5	---	---	---	---	---	---	4.5	4.0	4.5	.0	.0	.0
6	---	---	---	---	---	---	---	---	---	.0	.0	.0
7	---	---	---	---	---	---	---	---	---	.0	.0	.0
8	---	---	---	---	---	---	---	---	---	1.0	.0	.5
9	---	---	---	---	---	---	---	---	---	1.0	.5	.5
10	---	---	---	---	---	---	---	---	---	.5	.5	.5
11	---	---	---	---	---	---	---	---	---	.5	.5	.5
12	---	---	---	---	---	---	---	---	---	.5	.5	.5
13	---	---	---	---	---	---	---	---	---	.5	.5	.5
14	---	---	---	---	---	---	---	---	---	.5	.5	.5
15	---	---	---	---	---	---	---	---	---	.5	.5	.5
16	---	---	---	---	---	---	---	---	---	.5	.5	.5
17	---	---	---	---	---	---	---	---	---	.5	.5	.5
18	---	---	---	---	---	---	---	---	---	.5	.5	.5
19	---	---	---	---	---	---	---	---	---	.5	.5	.5
20	---	---	---	---	---	---	---	---	---	.5	.5	.5
21	---	---	---	---	---	---	2.5	1.5	2.0	.5	.5	.5
22	---	---	---	---	---	---	2.5	2.5	2.5	.5	.5	.5
23	---	---	---	---	---	---	2.5	1.5	2.0	.5	.5	.5
24	---	---	---	---	---	---	1.5	1.0	1.5	.5	.5	.5
25	---	---	---	---	---	---	1.0	1.0	1.0	.5	.5	.5
26	---	---	---	---	---	---	1.0	.5	.5	.5	.5	.5
27	---	---	---	---	---	---	.5	.0	.5	.5	.5	.5
28	---	---	---	---	---	---	.5	.0	.0	.5	.5	.5
29	---	---	---	---	---	---	.0	.0	.0	.5	.5	.5
30	---	---	---	---	---	---	.0	.0	.0	.5	.5	.5
31	---	---	---	---	---	---	.0	.0	.0	.5	.5	.5
MONTH	---	---	---	---	---	---	---	---	---	1.0	.0	.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.5	.5	---	---	---	4.0	3.0	3.5	12.5	12.0	12.5
2	.5	.5	.5	---	---	---	4.0	3.5	4.0	12.5	12.0	12.0
3	.5	.5	.5	---	---	---	4.0	3.5	4.0	12.0	11.5	12.0
4	.5	.5	.5	---	---	---	4.5	4.0	4.5	12.0	11.5	11.5
5	.5	.5	.5	---	---	---	4.0	3.5	4.0	12.0	11.5	12.0
6	.5	.5	.5	---	---	---	4.0	3.5	4.0	13.5	11.5	12.0
7	.5	.5	.5	---	---	---	3.5	3.0	3.5	14.5	13.0	14.0
8	.5	.5	.5	---	---	---	3.5	3.0	3.5	14.5	14.0	14.5
9	.5	.5	.5	---	---	---	3.5	3.0	3.0	15.0	14.0	14.5
10	.5	.5	.5	---	---	---	4.0	3.5	3.5	15.5	14.5	15.0
11	.5	.5	.5	1.0	.5	.5	4.0	3.5	4.0	16.0	15.0	15.5
12	.5	.5	.5	1.0	.5	.5	4.0	4.0	4.0	16.0	15.0	15.5
13	.5	.5	.5	1.5	.5	1.0	4.5	4.0	4.0	16.0	15.0	15.5
14	.5	.5	.5	1.5	1.0	1.5	4.5	4.5	4.5	16.5	15.5	16.0
15	.5	.5	.5	2.0	1.5	2.0	5.0	4.0	4.5	20.0	16.0	18.5
16	---	---	---	2.0	1.5	1.5	5.5	5.0	5.0	19.5	18.5	19.0
17	---	---	---	1.5	1.0	1.5	5.5	5.0	5.5	18.5	18.0	18.5
18	---	---	---	1.5	1.0	1.5	5.5	5.0	5.5	18.0	17.5	17.5
19	.5	.5	.5	2.0	1.0	1.5	6.0	5.0	5.5	17.5	17.0	17.5
20	1.0	.5	.5	2.5	1.5	2.0	6.0	5.5	6.0	18.0	17.0	17.5
21	.5	.5	.5	3.0	2.0	2.5	6.0	5.5	6.0	19.0	17.5	18.5
22	1.0	.5	.5	3.0	2.5	2.5	6.5	5.5	6.0	20.0	18.5	19.5
23	.5	.5	.5	3.5	2.0	2.5	6.5	6.0	6.5	22.5	19.5	20.5
24	.5	.5	.5	3.5	2.5	3.0	7.5	6.5	7.0	22.5	21.0	22.0
25	1.0	.5	.5	3.0	2.5	2.5	11.0	7.5	9.5	22.5	21.5	22.0
26	.5	.5	.5	3.0	2.0	2.5	11.0	10.0	10.5	22.5	22.0	22.0
27	---	.5	---	2.5	2.0	2.5	11.5	10.0	10.5	22.0	21.5	22.0
28	---	---	---	2.0	2.0	2.0	12.5	11.0	12.0	22.0	20.5	21.5
29	---	---	---	2.0	2.0	2.0	12.0	11.5	12.0	22.5	21.0	21.5
30	---	---	---	2.5	2.0	2.5	12.5	11.5	12.0	22.5	21.0	22.0
31	---	---	---	3.5	2.0	3.0	---	---	---	23.5	21.5	22.5
MONTH	---	---	---	---	---	---	12.5	3.0	5.9	23.5	11.5	17.3

CONNECTICUT RIVER BASIN

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 Street, 2.1 mi south of West Suffield.

DRAINAGE AREA.--10.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1960-81. May 1981 to current year.

REVISED RECORDS.--WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 149.21 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

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 highway 75, drainage area = 36.9 mi², Aug. 19, 1955.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	27	18	e10	e40	e20	74	13	5.5	24	6.5	5.5
2	3.0	16	12	e10	e33	e17	63	16	5.2	9.4	5.1	4.1
3	3.3	8.2	10	e9.6	e27	e26	53	13	4.4	5.5	4.3	2.9
4	3.7	6.5	11	e9.4	e25	e22	59	11	3.8	4.3	3.5	2.4
5	2.6	7.6	127	e9.2	e22	e18	49	9.8	3.3	3.2	3.5	2.2
6	2.3	16	125	e9.0	e21	e17	41	9.8	3.1	2.9	4.3	2.1
7	1.9	9.5	42	e8.6	e19	e16	59	10	3.7	3.3	3.2	2.1
8	1.8	6.4	24	e8.4	e17	e15	48	57	3.4	14	2.7	3.9
9	1.8	5.3	18	e8.2	e16	e25	34	48	2.9	18	2.5	4.4
10	1.6	4.8	16	e8.2	e15	84	34	19	2.5	7.9	2.3	2.2
11	1.2	4.4	36	e8.0	e14	123	51	13	2.3	4.5	2.0	1.5
12	2.5	4.4	32	e7.9	e13	100	33	11	12	3.3	1.8	1.3
13	14	4.2	24	e7.8	e13	99	45	15	23	2.7	3.2	1.4
14	7.3	4.1	22	e7.6	e12	88	104	11	11	2.4	7.7	1.5
15	4.2	4.4	16	e7.5	e12	87	53	8.5	13	3.1	4.5	1.6
16	3.4	4.3	13	e7.4	e11	104	46	44	8.4	3.4	3.0	1.6
17	2.9	4.0	11	e7.3	e11	98	56	58	5.9	2.6	3.8	1.7
18	2.8	16	9.7	e7.2	e10	68	36	39	4.5	2.5	69	3.1
19	2.6	17	12	e50	e20	50	28	24	3.9	2.3	49	2.6
20	6.4	26	16	e40	e37	47	25	18	3.2	2.2	18	1.9
21	20	15	66	e33	e50	54	21	14	3.0	5.5	13	1.8
22	19	8.0	105	e25	e73	141	19	12	3.3	2.9	61	1.7
23	8.6	6.8	38	e20	e59	198	17	9.6	2.5	3.9	69	60
24	5.3	6.1	25	e17	e50	181	16	8.2	2.1	11	23	84
25	4.1	5.4	20	e15	e35	134	15	7.5	3.8	5.4	11	21
26	3.9	4.6	15	e14	e31	106	16	7.7	7.2	5.3	8.3	10
27	3.9	4.1	e14	e13	e27	100	15	21	4.4	4.1	6.5	18
28	4.1	15	e13	e13	e23	127	15	12	3.4	35	5.4	40
29	3.6	98	e12	e81	---	127	13	8.5	10	55	5.5	22
30	4.3	39	e11	e67	---	113	12	7.2	34	18	6.7	11
31	17	---	e11	e55	---	83	---	6.0	---	8.7	4.1	---
TOTAL	169.0	398.1	924.7	594.3	736	2488	1150	561.8	198.7	276.3	413.4	319.5
MEAN	5.45	13.3	29.8	19.2	26.3	80.3	38.3	18.1	6.62	8.91	13.3	10.6
MAX	20	98	127	81	73	198	104	58	34	55	69	84
MIN	1.2	4.0	9.7	7.2	10	15	12	6.0	2.1	2.2	1.8	1.3
CFSM	.52	1.28	2.87	1.84	2.53	7.72	3.69	1.74	.64	.86	1.28	1.02
IN.	.60	1.42	3.31	2.13	2.63	8.90	4.11	2.01	.71	.99	1.48	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1994, BY WATER YEAR (WY)

	MEAN	11.9	18.9	21.6	19.9	25.4	41.5	38.3	24.8	22.7	5.22	6.98	5.80
MAX	44.2	31.0	42.8	41.3	59.6	80.4	92.6	73.9	97.5	10.3	17.3	14.1	
(WY)	1990	1989	1984	1986	1984	1983	1983	1989	1982	1988	1990	1987	
MIN	2.61	5.98	6.04	3.93	9.01	12.8	8.13	5.79	1.61	1.50	.41	.48	
(WY)	1985	1985	1990	1985	1985	1985	1985	1986	1981	1991	1993	1983	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1981 - 1994

ANNUAL TOTAL	6729.46	8229.8	20.4	
ANNUAL MEAN	18.4	22.5	29.9	1984
HIGHEST ANNUAL MEAN			7.42	1985
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	318	Mar 29	910	Jun 6 1982
LOWEST DAILY MEAN	.15	Aug 30	.12	Jul 21 1991
ANNUAL SEVEN-DAY MINIMUM	.27	Aug 27	.23	Sep 6 1983
INSTANTANEOUS PEAK FLOW		239	Dec 5	Jun 6 1982
INSTANTANEOUS PEAK STAGE		2.88	Dec 5	Jun 6 1982
INSTANTANEOUS LOW FLOW		.73	Oct 10	Jul 6 1993
ANNUAL RUNOFF (CFSM)	1.77	2.17	1.96	
ANNUAL RUNOFF (INCHES)	24.07	29.44	26.66	
10 PERCENT EXCEEDS	42	59	47	
50 PERCENT EXCEEDS	7.3	11	9.2	
90 PERCENT EXCEEDS	.66	2.6	1.2	

e Estimated

CONNECTICUT RIVER BASIN

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

DRAINAGE AREA.--15.5 mi².

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.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by reservoir and mill upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	19	16	17	e38	e19	62	35	19	15	13	15
2	10	15	15	17	e32	e20	56	32	18	14	13	15
3	13	14	15	17	e27	e21	53	28	18	14	12	14
4	12	13	15	19	e25	23	58	27	17	13	13	14
5	10	14	111	17	e23	22	50	28	17	13	15	17
6	10	16	57	16	e22	22	47	32	17	13	15	16
7	10	13	29	16	e20	23	55	33	19	12	12	13
8	9.9	13	24	17	e19	38	46	62	17	15	12	13
9	9.8	12	22	20	e18	42	41	41	16	14	12	14
10	9.6	12	21	17	e17	210	46	32	15	13	11	15
11	9.5	12	32	20	e25	180	55	31	15	12	11	12
12	16	12	25	16	e39	75	43	30	39	11	11	12
13	36	12	21	16	e27	65	49	31	35	11	12	11
14	15	12	20	16	e22	85	61	28	26	11	13	12
15	13	13	20	15	e19	113	45	26	27	15	12	12
16	11	12	19	17	e18	121	53	42	21	14	11	12
17	10	13	18	16	e17	65	49	38	19	12	11	13
18	10	19	18	49	e16	51	40	34	18	13	79	17
19	9.9	18	20	e32	19	47	38	29	17	12	42	14
20	14	20	20	e26	29	47	36	28	16	11	27	12
21	17	15	48	e23	76	63	34	25	17	11	22	12
22	17	14	42	e20	78	164	33	24	16	12	80	12
23	13	13	26	e18	49	127	32	24	15	19	58	39
24	12	13	23	e16	34	116	32	21	16	19	28	29
25	12	13	22	e15	29	95	31	21	18	13	23	19
26	11	12	20	e14	26	77	34	24	17	12	20	17
27	12	12	17	e15	23	79	32	30	15	12	19	26
28	12	30	17	e110	e20	105	30	23	15	41	18	27
29	11	34	17	e80	---	119	29	21	17	30	18	19
30	13	19	18	e60	---	91	28	20	18	16	17	17
31	20	---	18	e44	---	69	---	19	---	14	16	---
TOTAL	399.7	459	806	811	807	2394	1298	919	570	457	676	490
MEAN	12.9	15.3	26.0	26.2	28.8	77.2	43.3	29.6	19.0	14.7	21.8	16.3
MAX	36	34	111	110	78	210	62	62	39	41	80	39
MIN	9.5	12	15	14	16	19	28	19	15	11	11	11
CFSM	.83	.99	1.68	1.69	1.86	4.98	2.79	1.91	1.23	.95	1.41	1.05
IN.	.96	1.10	1.93	1.95	1.94	5.75	3.12	2.21	1.37	1.10	1.62	1.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

MEAN	15.8	19.9	24.2	25.9	29.6	41.0	36.6	29.3	24.3	16.1	15.1	15.0
MAX	44.3	45.8	50.7	68.5	66.4	86.2	87.5	64.1	65.4	31.3	33.1	53.8
(WY)	1990	1976	1973	1976	1970	1972	1983	1984	1982	1967	1989	1975
MIN	7.44	8.37	8.71	7.98	13.8	18.0	12.9	12.7	9.78	5.24	5.00	6.77
(WY)	1966	1966	1966	1966	1969	1985	1966	1965	1965	1965	1965	1963

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1961 - 1994

ANNUAL TOTAL	9469.7	10086.7	24.3
ANNUAL MEAN	25.9	27.6	34.9
HIGHEST ANNUAL MEAN			11.6
LOWEST ANNUAL MEAN			11.6
HIGHEST DAILY MEAN	234	Mar 29	487
LOWEST DAILY MEAN	7.6	Sep 2	1.7
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 27	2.9
INSTANTANEOUS PEAK FLOW			1140
INSTANTANEOUS PEAK STAGE			6.56
INSTANTANEOUS LOW FLOW			1.3
ANNUAL RUNOFF (CFSM)	1.67	1.78	1.56
ANNUAL RUNOFF (INCHES)	22.73	24.21	21.26
10 PERCENT EXCEEDS	46	54	42
50 PERCENT EXCEEDS	18	19	18
90 PERCENT EXCEEDS	9.7	12	9.6

a Also occurred on Oct. 11.

e Estimated

CONNECTICUT RIVER BASIN

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 Highway 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. Datum of gage is 485.60 ft above sea level. Prior to Mar. 29, 1957, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by Otis and West Branch Reservoirs and Colebrook River Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 21.1 ft, from floodmarks, discharge, 57,200 ft³/s, by slope-area measurement 1.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	224	242	382	241	158	221	444	344	197	308	389
2	71	268	240	363	235	266	222	339	343	249	342	335
3	71	264	248	383	231	384	226	273	372	249	343	363
4	75	269	242	386	227	383	309	276	367	248	335	394
5	79	276	363	386	228	379	324	276	342	249	245	326
6	80	275	304	386	226	224	326	273	317	250	279	280
7	80	259	266	322	256	193	354	273	306	249	329	161
8	116	253	254	205	277	205	389	311	304	189	323	285
9	160	262	249	200	276	298	434	238	226	232	306	286
10	158	269	244	158	273	461	446	195	223	258	313	285
11	158	274	265	127	270	453	461	187	304	252	318	283
12	162	260	253	127	270	414	444	189	313	250	258	204
13	170	183	290	126	270	395	479	190	297	250	231	129
14	163	135	385	126	250	393	516	187	282	250	294	99
15	146	144	382	126	237	380	448	184	234	186	279	120
16	134	184	384	127	238	315	351	269	174	216	258	120
17	134	294	386	130	238	307	462	256	214	249	260	125
18	126	341	360	147	211	305	452	240	276	249	274	124
19	120	335	377	147	163	301	451	240	274	249	197	124
20	118	336	372	128	170	298	452	253	266	234	219	121
21	122	332	471	105	167	299	454	265	257	230	267	120
22	124	261	449	141	149	342	452	257	258	248	304	120
23	124	210	407	141	138	351	448	281	260	215	274	138
24	125	213	394	149	133	358	446	298	264	262	189	129
25	130	217	389	156	130	357	447	298	262	189	151	124
26	134	212	385	156	131	342	443	298	264	217	209	125
27	132	207	355	146	181	338	443	389	256	241	240	126
28	131	279	378	191	198	289	443	424	250	224	242	139
29	132	277	378	234	---	233	441	422	252	208	329	130
30	133	255	382	200	---	217	447	380	195	226	378	128
31	139	---	382	220	---	211	---	351	---	259	381	---
TOTAL	3818	7568	10476	6321	6014	9849	12231	8756	8296	7274	8675	5832
MEAN	123	252	338	204	215	318	408	282	277	235	280	194
MAX	170	341	471	386	277	461	516	444	372	262	381	394
MIN	71	135	240	105	130	158	221	184	174	186	151	99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1994, BY WATER YEAR (WY)

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
MEAN	189	246	248	214	212	262	471	300	274	211	227	167
MAX	1080	794	486	597	729	668	1134	673	903	720	509	490
(WY)	1956	1956	1960	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

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1956 - 1994

ANNUAL TOTAL	107790	95110	
ANNUAL MEAN	295	261	252
HIGHEST ANNUAL MEAN			384
LOWEST ANNUAL MEAN			102
HIGHEST DAILY MEAN	2310	516	7310
LOWEST DAILY MEAN	71	71	2.7
ANNUAL SEVEN-DAY MINIMUM	73	75	3.8
INSTANTANEOUS PEAK FLOW		610	10600
INSTANTANEOUS PEAK STAGE		5.00	12.47
INSTANTANEOUS LOW FLOW		11	.90
10 PERCENT EXCEEDS	442	389	468
50 PERCENT EXCEEDS	241	256	196
90 PERCENT EXCEEDS	120	129	62

CONNECTICUT RIVER BASIN

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.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by power plant, Mad River and Sucker Brook Detention Reservoirs, and Highland Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	234	203	e125	e250	e140	553	140	77	155	57	29
2	108	170	159	e120	e200	e135	583	135	69	112	45	30
3	111	121	146	e115	e180	e150	628	115	63	75	40	19
4	101	104	139	e115	e160	e170	896	104	67	56	35	22
5	87	110	848	e110	e150	e140	734	100	55	37	34	20
6	85	143	711	e110	e145	e125	734	102	57	37	33	26
7	84	116	357	e110	e140	e120	930	112	68	33	30	11
8	87	92	260	e120	e135	e180	686	352	65	50	15	15
9	86	81	216	e115	e130	214	496	314	52	69	18	28
10	74	74	187	e115	e125	532	616	207	46	64	19	14
11	73	72	277	e120	e125	664	842	156	40	57	16	19
12	88	72	223	e120	e120	441	550	150	89	24	23	25
13	116	65	180	e115	e120	335	729	154	157	20	15	9.9
14	107	66	167	e115	e115	312	1070	118	147	25	37	19
15	96	82	171	e110	e115	330	618	100	232	32	42	18
16	87	75	170	e120	e115	353	645	339	144	17	28	25
17	88	73	151	e160	e110	287	597	352	97	22	25	13
18	91	123	130	e420	e115	254	392	267	71	27	99	24
19	87	117	133	e350	e140	230	310	241	58	13	116	30
20	113	124	131	e280	e350	203	261	212	46	28	91	12
21	172	106	633	e210	e500	188	219	184	48	16	83	e11
22	175	89	685	e170	e320	367	186	149	43	28	321	e11
23	132	77	e310	e150	e250	473	169	126	28	129	299	138
24	99	71	e210	e135	e230	560	156	103	38	182	172	145
25	78	66	e180	e125	e200	570	148	95	45	112	88	92
26	58	56	e160	e115	e170	496	146	116	68	67	62	69
27	53	58	e155	e110	e155	494	146	210	51	47	56	67
28	54	461	e150	e300	e145	710	159	142	50	138	45	154
29	45	655	e145	e700	---	694	130	113	50	186	45	118
30	48	307	e140	e500	---	560	125	97	80	136	36	80
31	131	---	e130	e350	---	499	---	86	---	104	31	---
TOTAL	2934	4060	7857	5930	5010	10926	14454	5191	2201	2098	2056	1293.9
MEAN	94.6	135	253	191	179	352	482	167	73.4	67.7	66.3	43.1
MAX	175	655	848	700	500	710	1070	352	232	186	321	154
MIN	45	56	130	110	110	120	125	86	28	13	15	9.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1994, BY WATER YEAR (WY)

	MEAN	120	163	186	182	201	305	384	204	126	57.4	87.2	75.1
MAX	832	569	527	474	621	699	786	577	492	276	1228	363	
(WY)	1956	1956	1974	1949	1981	1953	1987	1989	1972	1972	1955	1975	
MIN	16.8	24.6	37.5	15.7	47.9	106	92.9	59.4	29.8	12.1	9.32	17.2	
(WY)	1958	1965	1981	1981	1980	1989	1985	1965	1964	1957	1957	1957	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1949 - 1994

ANNUAL TOTAL	62206.1	64010.9		
ANNUAL MEAN	170	175		
HIGHEST ANNUAL MEAN			173	
LOWEST ANNUAL MEAN			269	1955
			62.0	1965
HIGHEST DAILY MEAN	1710	Mar 30	1070	Apr 14
LOWEST DAILY MEAN	6.8	Aug 9	9.9	Sep 13
ANNUAL SEVEN-DAY MINIMUM	7.4	Aug 3	17	Sep 7
INSTANTANEOUS PEAK FLOW			1450	Apr 13
INSTANTANEOUS PEAK STAGE			5.31	Apr 13
INSTANTANEOUS LOW FLOW			7.8	Aug 12
10 PERCENT EXCEEDS	461		466	375
50 PERCENT EXCEEDS	87		118	100
90 PERCENT EXCEEDS	16		28	23

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

b From floodmarks.

e Estimated

CONNECTICUT RIVER BASIN

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 Highway 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 for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

COOPERATION.--Gage-height record prior to May 28, 1982, furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	67	46	e20	e45	e19	137	38	12	14	10	5.5
2	4.0	36	36	e19	e40	e19	147	33	10	6.4	7.9	4.5
3	5.6	22	32	e18	e34	e18	179	26	9.1	4.4	5.9	3.8
4	5.3	17	30	e18	e27	e20	276	22	7.8	3.5	4.7	3.2
5	4.0	20	325	e17	e23	e19	214	20	6.3	2.7	4.1	3.0
6	3.2	33	173	16	e22	e18	232	20	5.5	2.3	3.7	2.6
7	2.8	24	88	e16	e21	e17	327	22	11	2.1	2.9	2.2
8	2.8	17	62	e15	e20	e56	185	125	9.0	4.9	2.5	2.0
9	3.0	15	49	e15	e19	e50	136	87	6.4	20	2.3	1.8
10	2.8	13	42	e15	e18	e200	193	52	5.0	12	2.1	2.0
11	2.1	11	78	e14	e17	e150	230	37	4.2	6.3	1.8	1.8
12	4.7	13	57	e14	e17	e90	153	35	9.8	4.1	1.6	1.5
13	17	16	39	e13	e17	e76	270	35	16	3.3	2.3	1.5
14	8.4	19	40	e13	e16	e90	374	27	11	3.6	3.6	1.9
15	6.6	24	39	e13	e16	e115	167	23	12	4.0	3.6	1.8
16	5.8	20	36	e12	e15	e120	214	115	8.3	4.3	2.6	1.7
17	5.2	20	31	e21	e14	e70	166	97	6.1	3.4	2.3	1.7
18	4.7	47	28	e150	e14	e58	97	70	4.8	3.0	17	3.1
19	3.9	37	29	e90	e16	52	77	81	4.2	2.7	21	2.7
20	11	43	28	e40	e38	46	63	62	3.5	2.4	16	2.1
21	40	31	331	e25	e120	44	51	45	3.4	2.6	17	1.9
22	36	24	218	e23	e86	100	43	34	3.4	2.6	96	1.7
23	22	21	98	e19	e47	129	38	28	2.7	24	75	64
24	17	19	e50	e17	e33	156	33	22	2.4	40	32	53
25	14	17	e35	e14	e27	159	30	19	3.4	18	19	26
26	12	15	e25	e13	e24	126	28	21	4.4	10	13	16
27	10	15	e23	e12	e21	116	33	34	3.5	7.1	9.9	30
28	9.6	177	e22	e115	e20	178	52	23	3.3	42	7.1	70
29	8.2	146	e21	e310	---	158	37	19	3.9	33	8.7	38
30	10	71	e22	e130	---	118	31	16	8.5	22	6.8	23
31	43	---	e21	e68	---	110	---	13	---	16	5.6	---
TOTAL	329.7	1050	2154	1295	827	2697	4213	1301	200.9	326.7	408.0	374.0
MEAN	10.6	35.0	69.5	41.8	29.5	87.0	140	42.0	6.70	10.5	13.2	12.5
MAX	43	177	331	310	120	200	374	125	16	42	96	70
MIN	2.1	11	21	12	14	17	28	13	2.4	2.1	1.6	1.5
CFSM	.53	1.76	3.49	2.10	1.48	4.37	7.06	2.11	.34	.53	.66	.63
IN.	.62	1.96	4.03	2.42	1.55	5.04	7.88	2.43	.38	.61	.76	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	19.2	40.2	44.8	37.8	40.4	81.4	98.2	49.6	28.7	11.8	14.7	12.9
MAX	94.0	92.1	132	92.7	165	193	230	145	124	61.8	270	88.7
(WY)	1990	1989	1974	1979	1981	1953	1993	1989	1972	1969	1955	1975
MIN	1.41	4.86	8.25	3.47	6.64	22.0	26.4	12.2	3.18	1.12	.57	.81
(WY)	1965	1965	1947	1981	1980	1941	1985	1980	1957	1971	1957	1953

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1939 - 1994

ANNUAL TOTAL	16524.74	15176.3	39.9
ANNUAL MEAN	45.3	41.6	64.3
HIGHEST ANNUAL MEAN			1955
LOWEST ANNUAL MEAN			1965
HIGHEST DAILY MEAN	775 Mar 30	374 Apr 14	5000 Aug 19 1955
LOWEST DAILY MEAN	.42 Aug 10	1.5 Sep 12	c.20 Sep 10 1953
ANNUAL SEVEN-DAY MINIMUM	.44 Aug 7	1.7 Sep 11	.21 Aug 15 1957
INSTANTANEOUS PEAK FLOW		711 Dec 21	a10500 Aug 19 1955
INSTANTANEOUS PEAK STAGE		5.03 Dec 21	b16.50 Aug 19 1955
INSTANTANEOUS LOW FLOW		f1.5 Aug 12	d0.0
ANNUAL RUNOFF (CFSM)	2.28	2.09	2.01
ANNUAL RUNOFF (INCHES)	30.89	28.37	27.25
10 PERCENT EXCEEDS	114	120	93
50 PERCENT EXCEEDS	14	19	19
90 PERCENT EXCEEDS	.72	2.8	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 well.

c Also occurred Aug. 16-21, 1957.

d Occurred frequently during low flow periods.

e Estimated

f Also occurred on Sept. 12, 13, and 22.

CONNECTICUT RIVER BASIN

01188000 BURLINGTON BROOK NEAR BURLINGTON, CT

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

REMARKS.--Records good except for periods of estimated record, which are fair. Satellite telemetry at this station. Occasional regulation at low flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	11	6.0	e5.1	e8.4	e5.7	32	7.9	4.0	11	4.2	4.4
2	1.0	5.3	5.5	e4.9	e7.2	e5.4	30	7.7	3.8	5.0	3.9	3.7
3	2.1	3.9	5.2	e4.7	e6.6	6.7	29	6.6	3.5	3.6	3.1	3.4
4	1.8	3.2	6.0	e4.5	e6.2	6.2	32	6.3	3.3	3.2	2.9	3.1
5	1.2	6.0	79	e4.3	e5.8	5.9	22	6.2	3.1	2.9	3.6	3.0
6	.86	9.3	25	e4.2	e5.6	5.7	21	6.6	2.9	2.7	4.5	2.8
7	.84	4.9	12	e4.1	e5.4	5.9	27	6.6	3.3	2.4	2.9	2.7
8	.74	3.8	8.7	e4.0	e5.2	11	18	30	2.9	2.5	2.2	2.6
9	.62	3.3	7.8	e3.9	e5.0	10	14	14	2.7	3.2	1.8	2.2
10	.55	3.0	7.4	e3.8	e4.8	64	19	8.7	2.3	2.8	1.6	3.3
11	.57	2.9	18	e3.7	e4.6	45	23	7.4	3.1	2.1	1.4	2.7
12	1.6	2.8	10	e3.7	e4.5	18	14	7.5	23	1.8	1.9	2.3
13	7.2	2.7	7.5	e3.6	e4.4	15	24	7.3	15	1.7	4.0	2.2
14	2.7	2.8	7.5	e3.6	e4.3	18	39	6.3	13	1.5	8.0	2.2
15	1.7	4.6	7.4	e3.5	e4.2	24	18	5.7	33	2.4	5.2	2.2
16	1.4	3.1	6.7	e3.5	e4.1	23	21	29	8.2	2.2	3.2	2.2
17	1.1	2.8	5.9	6.8	e4.0	15	18	18	5.6	1.8	2.6	4.2
18	1.1	8.2	5.5	56	e3.9	12	13	15	4.6	1.6	59	12
19	.88	6.4	6.2	21	e4.5	10	12	14	3.8	1.8	32	4.6
20	8.0	8.6	6.0	7.7	12	9.9	11	11	3.2	1.7	14	3.3
21	12	5.1	90	e5.5	37	11	9.7	8.4	3.0	2.1	22	2.8
22	6.4	4.1	31	e4.7	27	45	8.9	7.2	3.2	1.7	61	2.7
23	3.7	3.6	14	e4.3	14	42	8.5	6.3	2.8	3.4	27	63
24	2.9	3.4	e9.0	e4.1	11	40	8.3	5.6	2.7	4.2	11	17
25	2.3	3.1	e8.0	e3.9	e8.2	35	8.0	5.6	3.8	3.0	8.0	8.2
26	2.0	2.8	e7.3	e3.7	e7.2	29	7.9	5.8	5.1	4.5	6.8	6.5
27	2.2	2.8	e6.7	e3.6	e6.4	35	7.6	6.7	3.4	3.4	6.0	12
28	2.3	45	e6.2	51	e6.0	49	7.3	5.2	3.3	48	5.3	14
29	2.1	20	e5.8	91	---	42	7.0	4.6	8.2	19	7.2	7.8
30	2.3	8.2	e5.5	23	---	30	6.8	4.4	9.7	6.2	5.5	5.6
31	7.8	---	e5.3	11	---	28	---	4.0	---	4.6	4.4	---
TOTAL	83.26	196.7	432.1	362.4	227.5	702.4	517.0	285.6	189.5	158.0	326.2	208.7
MEAN	2.69	6.56	13.9	11.7	8.12	22.7	17.2	9.21	6.32	5.10	10.5	6.96
MAX	12	45	90	91	37	64	39	30	33	48	61	63
MIN	.55	2.7	5.2	3.5	3.9	5.4	6.8	4.0	2.3	1.5	1.4	2.2
CFSM	.66	1.60	3.40	2.85	1.98	5.53	4.20	2.25	1.54	1.24	2.57	1.70
IN.	.76	1.78	3.92	3.29	2.06	6.37	4.69	2.59	1.72	1.43	2.96	1.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1994, BY WATER YEAR (WY)

	MEAN	5.08	8.00	8.85	8.89	9.02	16.4	15.4	10.2	6.51	3.72	3.96	3.97
MAX	37.6	28.4	27.1	24.7	25.0	39.4	38.8	30.1	29.2	15.1	36.0	16.4	
(WY)	1956	1956	1974	1979	1981	1983	1983	1989	1982	1938	1955	1934	
MIN	1.02	1.22	2.13	1.07	2.02	6.37	4.26	3.42	1.45	.80	.65	.77	
(WY)	1942	1932	1932	1981	1934	1985	1985	1965	1957	1966	1993	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1932 - 1994

ANNUAL TOTAL	2957.37	3689.36	
ANNUAL MEAN	8.10	10.1	8.32
HIGHEST ANNUAL MEAN			13.2
LOWEST ANNUAL MEAN			3.51
HIGHEST DAILY MEAN	96 Mar 29	91 Jan 29	673 Aug 19 1955
LOWEST DAILY MEAN	.33 Sep 2	.55 Oct 10	.31 Jun 22 1965
ANNUAL SEVEN-DAY MINIMUM	.36 Aug 27	.77 Oct 5	.36 Aug 27 1993
INSTANTANEOUS PEAK FLOW		283 Dec 21	a1690 Aug 19 1955
INSTANTANEOUS PEAK STAGE		6.05 Dec 21	b9.22 Aug 19 1955
INSTANTANEOUS LOW FLOW		.36 Oct 12	.12 Jun 22 1965
ANNUAL RUNOFF (CFSM)	1.98	2.47	2.03
ANNUAL RUNOFF (INCHES)	26.83	33.47	27.57
10 PERCENT EXCEEDS	20	26	17
50 PERCENT EXCEEDS	3.9	5.6	4.9
90 PERCENT EXCEEDS	.66	2.2	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 1690 ft³/s.

b From high water marks.

c Estimated.

CONNECTICUT RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	ENTERO-COCCI ME, MF TOTAL (COL /100 ML) (31649)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
NOV 17...	1020	2.5	99	7.3	7.0	6.5	1.8	11.7	97	K16	K7	25
JAN 13...	1100	3.6e	91	6.9	2.0	0.0	1.0	13.8	97	K4	K9	18
MAY 12...	0950	7.0	87	7.3	14.5	12.5	2.3	10.4	101	46	120	16
JUL 11...	0815	2.1	110	7.6	20.0	19.5	4.0	8.4	93	55	80	23
AUG 10...	1110	1.2	112	6.7	19.0	18.5	--	8.4	91	--	--	23

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV 17...	5.9	2.4	9.3	1.4	0	18	15	10	13	<0.10	11	71
JAN 13...	4.4	1.8	8.3	0.90	0	13	11	8.5	12	<0.10	11	29
MAY 12...	3.9	1.6	8.8	0.80	0	13	11	7.2	13	<0.10	7.2	60
JUL 11...	5.9	2.0	11	1.3	0	18	15	6.4	16	<0.10	9.6	63
AUG 10...	5.9	2.0	10	1.5	--	36	29	7.5	15	<0.10	8.4	69

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV 17...	73	0.069	0.030	0.099	0.099	0.140	0.16	0.30	0.30	0.40	0.010
JAN 13...	56	0.260	0.020	0.280	0.280	0.190	0.01	0.20	0.30	0.48	0.020
MAY 12...	54	0.082	<0.010	0.082	0.082	0.110	0.19	0.30	0.30	0.38	0.010
JUL 11...	76	0.160	<0.010	0.160	0.160	0.210	0.29	0.50	0.40	0.66	0.020
AUG 10...	--	0.200	<0.010	0.200	0.200	0.140	0.16	0.30	0.30	0.50	0.020

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 17...	0.020	<0.010	<1.0	<1	<1	700	<1	300	<1	<3	3.8
JAN 13...	0.010	<0.010	<1.0	<1	<1	270	<1	280	<1	12	2.0
MAY 12...	<0.010	<0.010	<1.0	<1	<1	360	<1	200	<1	7	3.4
JUL 11...	0.010	<0.010	<1.0	<1	<1	1300	<1	290	<1	3	4.3
AUG 10...	0.010	<0.010	--	--	--	850	--	120	--	--	--

CONNECTICUT RIVER BASIN

01188090 FARMINGTON RIVER AT UNIONVILLE, CT

LOCATION.--Lat 41°45'21", long 72°53'14", Hartford County, Hydrologic Unit 01080207, at right bank upstream of steel truss highway bridge on State Highway 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 OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 178.20 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. U. S. Army Corps of Engineers satellite telemetry for stage. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs, and by diversion for municipal supply from Barkhamsted and Nepaug Reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 32.9 ft from floodmark, discharge, 140,000 ft³/s, by slope-area measurement 3.8 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	526	588	e480	e1250	e420	1430	741	505	526	402	447
2	317	560	510	e460	e1100	e400	1490	685	479	449	426	485
3	314	464	485	e440	e1020	e390	1460	532	516	391	408	434
4	311	431	482	e420	e950	856	1900	512	505	359	399	442
5	296	455	1790	e400	e900	784	1690	509	451	338	423	416
6	288	541	1570	e385	e850	675	1620	525	440	324	378	337
7	285	464	957	e370	e800	576	1910	548	426	321	381	264
8	290	402	736	e355	e750	681	1670	1090	424	384	375	260
9	379	396	643	e340	e710	792	1740	1060	434	380	360	339
10	366	391	590	e330	e680	1660	1760	773	401	372	353	338
11	359	388	758	e320	e650	2080	2290	642	362	348	352	323
12	396	375	678	e315	e620	1640	1890	582	601	327	394	335
13	507	349	594	e310	e590	1370	1910	598	654	298	372	235
14	435	249	691	e305	e560	1310	3050	519	557	300	345	174
15	404	266	695	e300	e530	1350	2240	468	787	345	389	185
16	365	278	686	759	e510	1350	1930	983	589	312	326	220
17	355	371	649	1180	e490	1170	2120	1160	478	297	316	235
18	353	547	598	1880	e470	1070	1640	1010	511	303	719	276
19	336	542	626	1540	e450	1020	1380	914	457	297	628	241
20	393	566	617	e1300	e600	974	1220	840	369	298	462	220
21	498	518	1690	e1150	1430	956	1080	773	351	277	448	211
22	557	460	1800	e1050	1710	1550	1180	636	358	298	893	222
23	451	348	1060	e950	835	1800	1350	709	343	354	871	672
24	381	338	835	e870	e670	2010	1030	721	331	529	607	505
25	359	331	e750	e810	e580	1980	779	705	358	459	475	374
26	339	319	e670	e760	e510	1770	765	700	423	365	391	321
27	343	313	e630	e720	e470	1650	760	880	379	338	358	372
28	342	970	e600	1230	e440	1910	761	764	358	720	354	488
29	302	1350	e570	2570	---	1920	725	634	412	723	392	418
30	246	796	e540	1810	---	1590	713	595	466	496	452	338
31	333	---	e510	1390	---	1380	---	540	---	440	451	---
TOTAL	11244	14304	24598	25499	21125	39084	45483	22348	13725	11968	13900	10127
MEAN	363	477	793	823	754	1261	1516	721	457	386	448	338
MAX	557	1350	1800	2570	1710	2080	3050	1160	787	723	893	672
MIN	246	249	482	300	440	390	713	468	331	277	316	174

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1994, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	450	552	577	625	642	978	1372	830	738	340	453	406					
MAX	1117	929	1240	1661	1114	1907	2902	1902	2149	489	763	589					
(WY)	1990	1990	1978	1978	1984	1983	1983	1989	1982	1989	1990	1978					
MIN	175	214	207	135	201	289	269	238	183	159	225	289					
(WY)	1981	1985	1981	1981	1980	1989	1985	1985	1985	1985	1985	1993					

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1978 - 1994

ANNUAL TOTAL	260175	253405		
ANNUAL MEAN	713	694		
HIGHEST ANNUAL MEAN			662	
LOWEST ANNUAL MEAN			954	1984
HIGHEST DAILY MEAN	4200	Apr 23	13600	Mar 22 1980
LOWEST DAILY MEAN	108	Sep 9	108	Sep 9 1993
ANNUAL SEVEN-DAY MINIMUM	151	Aug 21	121	Jan 19 1981
INSTANTANEOUS PEAK FLOW			20300	Mar 23 1980
INSTANTANEOUS PEAK STAGE		8.83	16.57	Mar 23 1980
INSTANTANEOUS LOW FLOW		140	66	Jul 10 1985
10 PERCENT EXCEEDS	1790	1510	1310	
50 PERCENT EXCEEDS	397	510	460	
90 PERCENT EXCEEDS	280	315	213	

e Estimated.

CONNECTICUT RIVER BASIN

01188090 FARMINGTON RIVER AT UNIONVILLE, CT--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Water-quality records for this site published under station 01188085 from water year 1984 to water year 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT- ANCE	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE AIR (DEG C)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)	
		(00061)	(US/CM) (00095)	(00400)	(00020)	(00010)	(00076)	(00300)	(00301)	(31616)	(31649)	(00900)	
NOV													
17...	1200	353	93	7.4	7.0	7.5	0.80	11.8	99	23	K11	26	
JAN													
13...	1335	310e	98	7.3	6.5	0.0	1.1	14.1	97	52	K11	24	
MAR													
07...	1035	574	93	7.4	7.5	1.5	1.3	13.9	99	96	31	19	
MAY													
12...	1210	564	86	7.4	14.0	13.0	1.3	10.2	98	22	K15	18	
JUN													
17...	1130	473	83	7.5	29.0	22.0	0.30	9.1	104	54	K10	20	
JUL													
11...	1015	349	91	7.4	22.0	17.0	0.60	10.1	105	120	260	21	
AUG													
08...	0950	381	85	7.6	24.0	18.5	0.50	9.7	103	33	85	20	
24...	1045	585	95	6.9	22.0	17.5	--	9.6	100	--	--	25	
SEP													
07...	1130	288	85	7.9	28.0	18.5	0.60	9.2	99	42	41	23	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
NOV													
17...	6.9	2.1	7.8	1.1	0	19	16	8.2	12	<0.10	4.5	66	
JAN													
13...	6.3	2.0	8.6	0.90	0	16	13	8.3	14	<0.10	7.0	58	
MAR													
07...	5.1	1.6	8.7	0.90	0	11	11	8.0	15	<0.10	6.5	48	
MAY													
12...	4.9	1.5	7.3	0.70	0	13	11	7.3	12	<0.10	5.0	57	
JUN													
17...	5.2	1.6	7.2	0.70	0	15	12	6.7	12	<0.10	5.0	58	
JUL													
11...	5.8	1.7	7.8	0.90	0	13	11	6.3	13	<0.10	4.2	46	
AUG													
08...	5.5	1.6	7.2	0.80	0	14	11	6.1	12	<0.10	4.3	49	
24...	7.3	1.7	6.8	1.0	--	27	22	5.4	11	<0.10	5.5	60	
SEP													
07...	6.3	1.8	7.6	0.80	0	18	15	6.3	12	<0.10	4.3	57	

CONNECTICUT RIVER BASIN

01188090 FARMINGTON RIVER AT UNIONVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L) AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L) AS N) (00623)	NITRO- GEN, TOTAL (MG/L) AS N) (00600)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)
NOV 17...	60	0.180	0.030	0.210	0.210	<0.010	--	<0.20	0.20	--	0.010
JAN 13...	68	0.290	0.050	0.340	0.340	0.070	--	<0.20	<0.20	--	0.020
MAR 07...	36	0.190	0.010	0.200	0.200	0.030	--	<0.20	<0.20	--	<0.010
MAY 12...	54	0.150	<0.010	0.150	0.150	0.020	--	<0.20	<0.20	--	0.010
JUN 17...	44	0.120	<0.010	0.120	0.120	0.030	0.17	0.20	0.20	0.32	<0.010
JUL 11...	62	0.130	0.010	0.140	0.140	0.020	--	<0.20	<0.20	--	0.020
AUG 08...	64	0.160	<0.010	0.160	0.160	0.030	0.17	0.20	<0.20	0.36	0.020
24...	--	0.210	<0.010	0.210	0.210	0.030	0.27	0.30	<0.20	0.51	0.030
SEP 07...	62	0.150	<0.010	0.150	0.150	0.010	0.19	0.20	<0.20	0.35	<0.010
DATE	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS ORTHOPHOS- PHATE DIS- SOLVED (MG/L) AS P) (00671)	CADMIUM DIS- SOLVED (UG/L) AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L) AS NI) (01065)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
NOV 17...	0.020	<0.010	<1.0	<1	<1	170	1	8	<1	<3	3.4
JAN 13...	<0.010	<0.010	<1.0	<1	3	110	<1	20	<1	7	3.5
MAR 07...	<0.010	<0.010	<1.0	<1	1	87	<1	24	<1	9	3.1
MAY 12...	0.010	<0.010	<1.0	<1	<1	93	<1	19	<1	4	3.3
JUN 17...	0.010	<0.010	<1.0	<1	<1	130	<1	22	<1	<3	3.9
JUL 11...	0.020	<0.010	<1.0	<1	1	140	<1	13	<1	<3	3.9
AUG 08...	0.020	<0.010	<1.0	<1	<1	100	<1	13	<1	<3	3.4
24...	<0.010	0.020	--	--	--	220	--	31	--	--	--
SEP 07...	<0.010	<0.010	<1.0	<1	<1	160	<1	12	<1	4	4.6

CONNECTICUT RIVER BASIN

01189000 PEQUABUCK RIVER AT FORESTVILLE, CT

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, Hydrologic Unit 01080207, on left bank 500 ft upstream from bridge on Central Street, 0.2 mi downstream from Copper Mine Brook, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--45.8 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 for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by Whigville Reservoir and mills upstream. Diversion for municipal supply of city of New Britain from Whigville Reservoir, Whites Bridge wells, and Coppermine 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	71	56	58	90	e66	233	113	57	39	45	77
2	26	41	51	62	78	e62	215	83	49	35	42	72
3	36	37	48	57	74	e66	201	72	47	32	41	69
4	27	35	59	61	71	76	210	66	44	31	38	65
5	24	56	493	58	71	72	172	70	42	30	53	64
6	23	51	168	52	69	70	182	79	43	30	49	61
7	23	40	98	51	66	70	219	68	46	29	37	60
8	22	36	82	56	e60	e100	165	245	40	160	35	56
9	22	35	77	53	e62	91	141	118	38	60	34	54
10	20	33	79	48	e63	644	181	86	36	43	34	57
11	21	33	130	46	56	314	186	75	36	39	31	50
12	91	33	81	46	62	189	147	78	314	37	41	48
13	60	32	70	48	59	176	210	73	176	34	57	45
14	33	33	69	48	54	188	264	66	95	32	69	43
15	28	33	64	43	50	232	175	64	95	52	44	41
16	27	30	59	40	51	214	204	191	65	38	36	40
17	26	45	55	89	51	164	168	134	55	34	36	67
18	24	75	53	169	61	137	137	127	47	36	588	98
19	24	63	70	79	69	128	122	125	42	34	290	50
20	53	55	64	67	151	126	115	103	39	33	157	42
21	87	42	389	62	238	140	102	86	40	32	431	41
22	54	39	186	61	185	476	97	77	39	34	654	42
23	37	37	120	e54	124	352	89	71	35	84	332	409
24	33	35	101	e52	107	319	85	66	35	45	182	129
25	31	33	93	e51	96	291	86	70	57	38	147	85
26	30	32	83	49	79	255	84	66	43	37	128	73
27	33	32	72	46	70	312	82	67	36	33	117	144
28	30	294	66	432	69	397	81	58	35	434	92	99
29	28	114	61	e350	---	433	75	53	66	132	129	78
30	45	68	63	161	---	317	73	51	47	64	90	66
31	58	---	60	114	---	253	---	50	---	49	80	---
TOTAL	1104	1593	3220	2663	2336	6730	4501	2751	1839	1840	4139	2325
MEAN	35.6	53.1	104	85.9	83.4	217	150	88.7	61.3	59.4	134	77.5
MAX	91	294	493	432	238	644	264	245	314	434	654	409
MIN	20	30	48	40	50	62	73	50	35	29	31	40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1994, BY WATER YEAR (WY)

	MEAN	48.5	67.3	80.9	83.8	92.8	147	101	69.5	41.3	43.3	38.4
MAX	372	303	212	232	214	391	463	396	368	99.4	356	167
(WY)	1956	1956	1974	1979	1951	1983	1983	1989	1982	1972	1955	1975
MIN	11.6	17.4	18.5	11.7	32.1	39.9	26.5	27.0	22.1	18.7	14.7	14.8
(WY)	1942	1950	1981	1981	1980	1985	1985	1965	1957	1957	1944	1986

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1942 - 1994

ANNUAL TOTAL	30036	35041	80.0	1984
ANNUAL MEAN	82.3	96.0	136	1965
HIGHEST ANNUAL MEAN			29.9	1965
LOWEST ANNUAL MEAN			6500	Aug 19 1955
HIGHEST DAILY MEAN	747	Mar 29	7.0	Oct 26 1941
LOWEST DAILY MEAN	19	Aug 15	9.2	Oct 20 1941
ANNUAL SEVEN-DAY MINIMUM	21	Aug 27	22	Oct 5
INSTANTANEOUS PEAK FLOW			2050	Jul 8
INSTANTANEOUS PEAK STAGE			5.35	Jul 8
INSTANTANEOUS LOW FLOW			d15	Oct 10
10 PERCENT EXCEEDS	171	202	160	
50 PERCENT EXCEEDS	49	63	48	
90 PERCENT EXCEEDS	22	33	19	

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 the gage house.

c Also occurred on Sept. 22, 1941.

d Also occurred on Oct. 11, 12.

e Estimated.

CONNECTICUT RIVER BASIN

01189030 PEQUABUCK RIVER AT FARMINGTON, CT

LOCATION.--Lat 41°43'00", long 72°50'25", Hartford County, Hydrologic Unit 01080207, at bridge on Meadow Road, 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.

REMARKS.--Discharges shown for this location are computed by determining the discharge for station 01189000, 6.3 mi upstream, and adjusting its discharge by multiplying by a factor of 1.26, which is the ratio of the two stations' drainage areas.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
NOV										
10...	1220	60	412	7.2	12.0	6.0	2.8	9.7	77	80
JAN										
21...	1020	98	283	7.1	-5.0	0.0	1.6	13.5	90	2400
MAR										
16...	1410	330	162	7.0	2.5	2.0	1.9	10.4	76	198
MAY										
24...	1445	106	227	7.6	26.0	21.5	2.4	9.4	107	24
JUN										
17...	0920	79	263	7.1	27.0	21.0	3.1	4.9	55	160
JUL										
20...	1245	44e	311	7.5	33.0	26.0	3.1	8.9	110	79
AUG										
08...	0820	43	297	7.1	22.0	18.5	1.6	5.6	60	132
SEP										
07...	0940	55	217	7.2	27.5	16.0	0.50	7.0	72	224

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV											
10...	67	20	4.2	43	5.5	0	55	45	35	48	0.30
JAN											
21...	54	16	3.4	33	3.1	0	49	40	18	48	0.20
MAR											
16...	32	9.4	2.0	16	1.9	0	26	21	14	23	<0.10
MAY											
24...	56	17	3.3	21	2.8	0	47	37	14	29	0.10
JUN											
17...	54	16	3.3	26	3.5	0	50	41	20	30	0.20
JUL											
20...	73	22	4.5	33	4.8	0	44	37	20	37	0.30
AUG											
08...	67	20	4.1	29	4.4	0	44	36	17	36	0.20
SEP											
07...	57	17	3.5	21	2.9	0	45	37	15	27	0.20

CONNECTICUT RIVER BASIN

01189030 PEQUABUCK RIVER AT FARMINGTON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
10...	13	239	250	5.87	0.130	6.00	6.00	0.560	0.64	1.2	1.0
JAN											
21...	12	177	198	2.53	0.170	2.70	2.70	1.50	0.50	2.0	1.8
MAR											
16...	7.6	97	112	1.07	0.030	1.10	1.10	0.600	0.40	1.0	1.1
MAY											
24...	8.3	141	142	1.99	0.110	2.10	2.10	0.090	0.61	0.70	0.40
JUN											
17...	11	156	170	2.42	0.380	2.80	2.80	0.520	0.68	1.2	0.90
JUL											
20...	9.6	189	202	3.87	0.130	4.00	4.00	0.120	0.68	0.80	0.70
AUG											
08...	11	174	178	4.01	0.090	4.10	4.10	0.120	0.48	0.60	0.40
SEP											
07...	11	143	162	3.07	0.130	3.20	3.20	0.160	0.44	0.60	0.40

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV										
10...	7.2	0.850	0.750	0.750	1	<1.0	4	<1	16	10
JAN										
21...	4.7	0.380	0.330	0.320	2	2.0	2	<1	12	9
MAR										
16...	2.1	0.120	0.090	0.080	2	1.0	2	1	12	9
MAY										
24...	2.8	0.330	0.220	0.220	<1	<1.0	2	<1	12	7
JUN										
17...	4.0	0.480	0.250	0.240	1	<1.0	3	<1	11	6
JUL										
20...	4.8	0.640	0.550	0.530	<1	<1.0	2	<1	10	8
AUG										
08...	4.7	0.580	0.530	0.490	<1	<1.0	2	<1	10	7
SEP										
07...	3.8	0.410	0.360	0.320	<1	<1.0	3	<1	10	6

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
10...	570	210	3	<1	130	9	8	40	33	6.1
JAN										
21...	370	190	1	1	150	8	7	60	54	4.8
MAR										
16...	470	110	2	<1	81	5	4	40	34	3.8
MAY										
24...	840	180	2	<1	88	5	4	20	15	6.0
JUN										
17...	--	450	3	<1	370	6	6	30	21	6.6
JUL										
20...	590	310	1	<1	76	8	7	20	15	6.5
AUG										
08...	690	290	2	<1	120	6	4	20	16	4.7
SEP										
07...	640	270	2	<1	100	7	7	30	22	4.9

CONNECTICUT RIVER BASIN

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, Hydrologic Unit 01080207, on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mi downstream from bridge on State Highway 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.

REMARKS.--Records good except for periods of estimated record, which are fair. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River and Sucker Brook Detention Reservoirs, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	543	778	1170	e800	e2050	e700	2910	1240	880	897	740	776
2	504	917	937	e860	e1800	e660	2890	1340	830	817	703	760
3	489	776	836	e840	e1700	727	2790	1120	811	700	690	769
4	491	688	801	e800	e1600	1180	3050	978	820	633	668	708
5	464	674	2090	e760	e1500	1490	3090	940	772	576	653	708
6	440	821	3400	e740	e1400	1310	2830	962	719	549	714	652
7	428	788	2370	e720	e1300	1130	2990	1020	733	532	633	590
8	419	686	1620	e690	e1250	1120	3040	1600	701	582	615	464
9	449	629	1290	e670	e1200	1350	2730	2160	676	929	577	544
10	504	603	1140	e650	e1150	2200	2710	1680	679	795	555	591
11	488	587	1310	e640	e1100	3920	3140	1300	619	652	541	559
12	506	581	1420	e620	e1050	3250	3130	1120	842	595	557	542
13	815	568	1140	e610	e990	2630	2860	1120	1510	539	611	525
14	761	512	1100	e605	e920	2410	3890	1030	1320	499	657	424
15	636	449	1140	e600	e890	2450	3930	930	1290	539	653	365
16	573	460	1120	e1250	e850	2620	3260	1340	1160	607	606	392
17	532	479	1070	e1950	e820	2350	3320	2140	901	510	528	423
18	518	715	1010	e3100	e780	2040	2950	1970	802	501	1340	554
19	501	867	984	e2600	e760	1900	2460	1760	786	508	1860	558
20	539	927	1040	e2200	e1000	1800	2150	1620	685	488	1490	466
21	744	866	1830	e1900	e2350	1780	1930	1440	620	492	1060	420
22	895	767	3570	e1750	e2800	2560	1790	1270	613	456	1820	406
23	808	666	2540	e1600	e1400	3530	1990	1110	588	522	2610	1390
24	658	569	1770	e1450	e1100	3790	1960	1200	559	807	1900	1840
25	570	547	1470	e1350	e960	3710	1480	1150	589	791	1320	1170
26	542	530	1310	e1250	e850	3440	1360	1140	721	698	1000	798
27	520	514	1100	e1200	e780	3220	1340	1350	686	583	838	818
28	529	916	e1000	e2000	e740	3470	1310	1330	638	1030	775	1200
29	518	2420	e960	e3700	---	3760	1270	1120	730	1930	748	1050
30	452	1820	e900	e3000	---	3570	1230	1000	970	1370	812	803
31	527	---	e840	e2300	---	3090	---	934	---	871	798	---
TOTAL	17363	23120	44278	43205	35090	73157	75780	40414	24250	21998	29072	21265
MEAN	560	771	1428	1394	1253	2360	2526	1304	808	710	938	709
MAX	895	2420	3570	3700	2800	3920	3930	2160	1510	1930	2610	1840
MIN	419	449	801	600	740	660	1230	930	559	456	528	365

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1994, BY WATER YEAR (WY)

	MEAN	800	957	1161	1182	1253	1861	2276	1489	1235	709	709	701
MAX	2233	1965	2308	2886	2790	3378	4721	3329	3647	2398	1285	1794	
(WY)	1976	1976	1973	1978	1976	1983	1983	1989	1982	1972	1990	1975	
MIN	253	351	287	140	366	627	475	470	355	306	368	435	
(WY)	1981	1985	1981	1981	1980	1985	1985	1985	1985	1985	1993	1980	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1972 - 1994

ANNUAL TOTAL	430132	448992		
ANNUAL MEAN	1178	1230		
HIGHEST ANNUAL MEAN			1193	
LOWEST ANNUAL MEAN			1637	1972
HIGHEST DAILY MEAN	7100	Mar 30	14200	Mar 23 1980
LOWEST DAILY MEAN	229	Aug 28	128	Feb 7 1985
ANNUAL SEVEN-DAY MINIMUM	254	Aug 22	131	Jan 19 1981
INSTANTANEOUS PEAK FLOW			d4220	Apr 14
INSTANTANEOUS PEAK STAGE			d5.33	Apr 14
INSTANTANEOUS LOW FLOW			350	Sep 15
10 PERCENT EXCEEDS	3260	2620	2440	
50 PERCENT EXCEEDS	700	897	804	
90 PERCENT EXCEEDS	402	521	397	

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.

d Also occurred on April 15.

e Estimated.

CONNECTICUT RIVER BASIN

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 many months in 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 1993 TO SEPTEMBER 1994

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	
NOV													
17...	1450	475	142	7.2	7.0	7.5	1.5	11.0	92	40	20	38	
JAN													
13...	1540	510e	146	7.1	6.0	0.0	1.3	13.0	90	1200	540	38	
MAR													
07...	1510	1090	143	7.2	8.0	0.5	1.7	13.2	92	100	32	30	
MAY													
12...	1430	1110	127	7.2	14.0	13.5	2.9	9.3	91	180	128	31	
18...	0900	2010	97	6.3	15.0	12.0	--	10.6	99	--	--	25	
24...	1345	1200	114	7.6	30.0	15.0	--	9.0	90	--	--	29	
JUN													
02...	0830	834	128	6.5	12.0	17.0	--	9.1	95	--	--	30	
10...	1630	666	130	6.6	26.0	20.5	--	--	--	--	--	--	
17...	1430	878	118	6.9	29.0	22.0	1.1	8.0	91	110	28	31	
JUL													
11...	1250	641	128	7.1	26.0	23.5	1.4	7.5	89	170	40	36	
AUG													
08...	1220	611	134	7.2	24.0	20.0	1.0	9.4	103	56	52	34	
24...	1300	1850	97	6.5	26.0	19.0	--	7.7	82	--	--	27	
SEP													
07...	1330	587	133	7.6	29.0	17.5	0.80	8.4	89	78	32	37	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
NOV													
17...	11		2.5	12	1.7	0	31	25	12	16	<0.10	6.4	88
JAN													
13...	11		2.5	11	1.3	0	30	25	11	16	<0.10	9.2	86
MAR													
07...	8.7		2.0	13	1.1	0	22	18	9.9	21	<0.10	7.7	85
MAY													
12...	9.1		2.0	9.7	1.0	0	24	20	9.7	15	<0.10	6.3	72
18...	7.3		1.7	7.9	1.0	--	23	19	7.9	12	<0.10	5.9	81
24...	8.4		1.9	8.6	1.0	--	23	19	8.5	14	<0.10	5.7	72
JUN													
02...	8.9		1.9	9.1	1.1	--	31	25	9.4	15	<0.10	5.2	79
10...	--		--	--	--	--	26	21	--	--	--	--	--
17...	9.1		2.0	9.4	1.2	0	24	20	8.6	14	<0.10	6.9	77
JUL													
11...	11		2.1	10	1.4	0	24	20	9.2	15	<0.10	6.1	72
AUG													
08...	10		2.1	10	1.4	0	22	18	8.4	15	<0.10	5.7	66
24...	8.2		1.7	6.8	1.3	--	27	22	6.3	11	<0.10	6.7	70
SEP													
07...	11		2.3	11	1.3	0	31	25	9.1	16	<0.10	6.5	91

CONNECTICUT RIVER BASIN

01189995 FARMINGTON RIVER AT TARIFFVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L) (00623)	NITRO- GEN, TOTAL (MG/L) (00600)	PHOS- PHORUS TOTAL (MG/L) (00665)
NOV 17...	95	0.950	0.040	0.990	0.990	0.170	0.23	0.40	0.40	1.4	0.110
JAN 13...	96	0.940	0.060	1.00	1.00	0.430	0.17	0.60	0.50	1.6	0.100
MAR 07...	88	0.560	0.010	0.570	0.570	0.240	0.16	0.40	0.40	0.97	0.060
MAY 12...	70	0.570	0.020	0.590	0.590	0.160	0.34	0.50	0.30	1.1	0.070
18...	--	0.400	0.020	0.420	0.420	0.110	0.19	0.30	0.20	0.72	0.040
24...	--	0.400	0.010	0.410	0.410	0.070	0.23	0.30	0.30	0.71	0.070
JUN 02...	--	0.690	0.030	0.720	0.720	0.120	0.18	0.30	0.20	1.0	0.070
10...	--	0.760	0.020	0.780	0.780	0.040	0.26	0.30	0.20	1.1	0.100
17...	70	0.650	0.020	0.670	0.670	0.100	0.30	0.40	0.30	1.1	0.100
JUL 11...	94	0.550	0.020	0.570	0.570	0.100	0.30	0.40	0.30	0.97	0.110
AUG 08...	80	0.760	<0.010	0.760	0.760	0.030	0.27	0.30	<0.20	1.1	0.100
24...	--	0.480	0.010	0.490	0.490	0.030	0.37	0.40	0.30	0.89	0.110
SEP 07...	86	0.820	0.020	0.840	0.840	0.040	0.26	0.30	<0.20	1.1	0.090
DATE	PHOS- PHORUS ORTHOPHOS- PHORUS DIS- SOLVED (MG/L) (00666)	PHOS- PHORUS ORTHOPHOS- PHORUS DIS- SOLVED (MG/L) (00671)	CADMIUM DIS- SOLVED (UG/L) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L) (01030)	COPPER, DIS- SOLVED (UG/L) (01040)	IRON, DIS- SOLVED (UG/L) (01046)	LEAD, DIS- SOLVED (UG/L) (01049)	MANGA- NESE, DIS- SOLVED (UG/L) (01056)	NICKEL, DIS- SOLVED (UG/L) (01065)	ZINC, DIS- SOLVED (UG/L) (01090)	CARBON, ORGANIC TOTAL (MG/L) (00680)
NOV 17...	0.110	0.110	<1.0	<1	2	160	<1	44	<1	5	3.7
JAN 13...	0.090	0.100	<1.0	<1	2	140	<1	58	1	12	3.5
MAR 07...	0.040	0.040	<1.0	<1	2	110	<1	39	<1	20	3.2
MAY 12...	0.040	0.040	<1.0	<1	2	160	<1	40	<1	7	4.2
18...	0.030	0.030	--	--	--	170	--	22	--	--	--
24...	0.050	0.040	--	--	--	180	--	27	--	--	--
JUN 02...	0.070	0.060	--	--	--	160	--	26	--	--	--
10...	0.060	0.060	--	--	--	--	--	--	--	--	--
17...	0.070	0.060	<1.0	<1	2	200	<1	38	<1	6	5.0
JUL 11...	0.080	0.060	<1.0	<1	3	200	<1	40	<1	4	4.7
AUG 08...	0.070	0.070	<1.0	<1	1	160	<1	35	2	5	3.4
24...	0.040	0.040	--	--	--	220	--	27	--	--	--
SEP 07...	0.080	0.070	<1.0	<1	2	140	<1	27	<1	4	3.8

CONNECTICUT RIVER BASIN

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 reference gage is 0.55 ft below sea level. Datum of gage-height record is 10.00 ft below sea level in order to prevent negative values and is converted to elevation above or below (-) sea level for publication.

REMARKS.--Records prior to 1973 available at the River Forecast Center, NOAA, Bloomfield, Conn. At times of high fresh-water inflow, tide effect is eliminated. Stage data in feet at 15-minute intervals available upon request. U. S. Army Corps of Engineers satellite telemetry for stage is on site.

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 (1973-90), -0.91 ft, Aug. 12, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 103,000 ft³/s, Apr. 19, elevation, 21.22 ft; minimum tidal elevation, 0.05 ft, Sept.12.

ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
Maximum	Elevation	3.95	7.15	8.61	5.50	5.42	10.59	21.22	11.58	4.73	4.55	5.80	4.75
	Date	12	30	7	31	1	30	19	1	1	28	24	23
	Time	2400	1700	1030	0645	2100	1230	1000	0000	0000	1930	0530	1715
Minimum	Elevation	0.59	1.24	1.01	1.27	2.41	2.63	9.36	4.54	1.45	0.66	0.35	0.05
	Date	25	2	27	10	28	8	1	24	27	11	15	12
	Time	1915	1145	1000	1045	0115	0830	2000	1115	0130	1215	1645	1530

NOTE.--Time shown is Eastern standard.

CONNECTICUT RIVER BASIN

01190070 CONNECTICUT RIVER AT HARTFORD, CT--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	ENTEROCOCCE, MF WATER TOTAL (COL /100 ML) (31649)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 26...	1430	135	7.4	10.0	11.0	2.3	9.7	87	150	K12	38	12
DEC 10...	1345	92	7.3	10.0	4.0	2.1	13.0	99	640	100	25	7.7
FEB 10...	1430	138	7.3	-4.0	0.0	1.2	13.5	91	230	130	35	11
APR 15...	1315	73	7.3	31.0	5.0	12	13.8	108	100	50	22	7.0
JUN 14...	1310	123	7.2	23.0	21.0	1.1	8.0	89	400	460	38	12
JUL 18...	1430	137	7.3	24.0	25.5	0.90	6.9	84	93	205	37	12
AUG 15...	1335	162	7.3	30.0	23.0	1.0	7.5	88	230	36	44	14
SEP 02...	1430	123	7.5	21.5	21.0	0.90	7.1	79	K11	36	40	13
DATE	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	CARBONATE WATER DIS IT (MG/L AS CO3) (00452)	BICARBONATE WATER DIS IT (MG/L AS HCO3) (00453)	ALKALINITY WAT DIS TOT IT (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT 26...	2.0	8.4	1.2	0	35	29	11	12	0.10	5.4	72	90
DEC 10...	1.5	6.1	1.1	0	20	16	9.5	8.5	<0.10	6.5	55	60
FEB 10...	1.8	11	1.3	0	28	23	11	15	<0.10	7.6	78	78
APR 15...	1.1	4.5	0.80	--	--	--	7.1	7.0	<0.10	5.3	41	40
JUN 14...	1.9	8.9	1.3	0	32	26	9.8	13	<0.10	5.0	76	86
JUL 18...	1.8	8.6	1.4	0	41	34	8.7	14	<0.10	4.8	86	88
AUG 15...	2.2	11	1.8	0	40	33	10	16	<0.10	4.6	84	102
SEP 02...	1.9	9.0	1.5	0	37	30	8.9	12	0.10	5.1	86	88
DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 26...	0.370	0.030	0.400	0.400	0.140	0.36	0.50	0.30	0.90	0.090	0.040	0.040
DEC 10...	0.360	0.020	0.380	0.380	0.100	--	<0.20	<0.20	--	0.040	0.010	0.020
FEB 10...	0.480	0.020	0.500	0.500	0.270	0.23	0.50	0.40	1.0	0.050	0.040	0.030
APR 15...	0.240	<0.010	0.240	0.240	0.060	0.24	0.30	<0.20	0.54	0.070	<0.010	<0.010
JUN 14...	0.430	0.020	0.450	0.450	0.100	0.40	0.50	0.30	0.95	0.070	0.030	0.020
JUL 18...	0.400	0.020	0.420	0.420	0.040	0.26	0.30	0.20	0.72	0.050	0.020	0.020
AUG 15...	0.560	0.050	0.610	0.610	0.080	0.22	0.30	<0.20	0.91	0.060	0.040	0.040
SEP 02...	0.400	0.040	0.440	0.440	0.040	0.26	0.30	0.20	0.74	0.040	0.030	0.020

CONNECTICUT RIVER BASIN

01190070 CONNECTICUT RIVER AT HARTFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 26...	30	<1	16	<1	--	<1.0	--	<1	<1	--	2	--
DEC 10...	--	--	--	--	--	<1.0	--	<1	--	--	1	--
FEB 10...	--	--	--	--	--	<1.0	--	<1	--	--	1	--
APR 15...	--	--	--	--	--	<1.0	--	<1	--	--	1	--
JUN 14...	--	--	--	--	<1	<1.0	<1	<1	--	2	2	660
JUL 18...	--	--	--	--	--	<1.0	--	<1	--	--	4	--
AUG 15...	--	--	--	--	--	<1.0	--	<1	--	--	2	--
SEP 02...	--	--	--	--	--	<1.0	--	<1	--	--	2	--

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 26...	140	--	<1	29	<1	--	<1	<1.0	--	2	<1.0	4.7
DEC 10...	95	--	<1	17	--	--	1	--	--	5	--	4.4
FEB 10...	110	--	<1	25	--	--	<1	--	--	3	--	3.4
APR 15...	81	--	<1	18	--	--	<1	--	--	4	--	5.3
JUN 14...	110	2	<1	14	--	1	<1	--	<10	<3	--	3.8
JUL 18...	37	--	<1	22	--	--	2	--	--	<3	--	3.5
AUG 15...	57	--	<1	17	--	--	<1	--	--	<3	--	3.9
SEP 02...	110	--	<1	18	--	--	<1	--	--	<3	--	4.8

CONNECTICUT RIVER BASIN

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT

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

DRAINAGE AREA.--73.4 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.

REMARKS.--Records good except for periods of estimated record, which are fair. Flow regulated by Shenipsit Lake, small reservoirs, and industrial plants.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	94	95	e93	e180	143	357	174	85	64	64	141
2	53	73	87	e110	e165	156	322	145	79	58	60	133
3	74	65	83	e105	e155	173	298	121	75	56	58	129
4	58	63	83	e100	e145	172	306	113	72	56	53	127
5	52	73	513	e98	e140	156	276	116	69	56	72	127
6	49	81	401	e96	e135	148	266	156	71	56	69	107
7	48	63	199	e94	e130	148	298	152	88	55	50	82
8	47	59	154	e92	e125	229	262	254	70	60	47	70
9	46	57	133	e91	e122	210	236	167	62	58	45	77
10	45	56	125	e90	e120	674	260	131	62	53	41	96
11	44	55	191	e89	e118	640	312	115	61	51	39	71
12	92	55	144	e88	e116	359	245	118	254	51	47	66
13	240	53	123	e103	e115	323	253	119	210	53	53	64
14	85	56	119	e100	e114	349	284	104	133	47	84	77
15	66	57	121	e95	e113	390	239	99	123	85	70	71
16	59	53	117	e92	e112	435	268	187	100	67	54	64
17	56	66	107	e90	e111	346	256	144	83	55	56	87
18	54	138	104	352	118	287	223	124	79	55	470	141
19	50	97	119	e180	133	266	206	114	96	55	372	84
20	89	103	119	e150	213	252	188	110	71	53	203	73
21	96	74	304	e130	325	262	173	101	72	51	198	70
22	92	67	246	e115	316	487	161	97	71	59	730	69
23	66	64	161	e108	e220	466	150	95	64	124	473	364
24	59	64	141	e100	e180	444	145	93	62	129	232	223
25	55	59	e125	e97	e160	412	144	104	68	75	182	132
26	54	56	e115	e94	e140	361	144	99	62	70	160	121
27	57	56	e110	e92	e125	363	142	99	59	61	147	169
28	56	225	e105	259	e120	429	137	84	60	456	142	154
29	53	230	e100	631	---	511	133	82	87	257	161	143
30	66	117	e97	307	---	476	126	80	84	104	146	123
31	117	---	e95	e210	---	395	---	77	---	73	141	---
TOTAL	2134	2429	4736	4451	4266	10462	6810	3774	2632	2603	4719	3455
MEAN	68.8	81.0	153	144	152	337	227	122	87.7	84.0	152	115
MAX	240	230	513	631	325	674	357	254	254	456	730	364
MIN	44	53	83	88	111	143	126	77	59	47	39	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1994, BY WATER YEAR (WY)

	MEAN	70.6	91.9	110	126	139	197	194	140	108	73.7	72.8	71.6
MAX	284	381	256	368	371	406	430	262	448	200	289	518	
(WY)	1956	1956	1978	1979	1970	1920	1983	1984	1982	1938	1955	1938	
MIN	25.8	35.4	31.6	23.2	57.4	82.0	65.2	56.1	36.3	29.5	28.4	27.0	
(WY)	1931	1965	1931	1981	1980	1985	1985	1965	1965	1965	1966	1957	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1920 - 1994

ANNUAL TOTAL	46613	52471		
ANNUAL MEAN	128	144		
HIGHEST ANNUAL MEAN			116	
LOWEST ANNUAL MEAN			176	1938
			55.8	1965
HIGHEST DAILY MEAN	713	Apr 1	730	Aug 22
LOWEST DAILY MEAN	20	Sep 14	39	Aug 11
ANNUAL SEVEN-DAY MINIMUM	30	Sep 11	46	Aug 7
INSTANTANEOUS PEAK FLOW			1140	Mar 10
INSTANTANEOUS PEAK STAGE			6.99	Mar 10
INSTANTANEOUS LOW FLOW			36	Aug 11
10 PERCENT EXCEEDS	240		300	
50 PERCENT EXCEEDS	93		107	
90 PERCENT EXCEEDS	44		55	

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

CONNECTICUT RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
18...	1255	58	346	7.8	18.0	13.0	--	10.1	96	--	--
NOV											
22...	1340	69	343	7.6	13.5	8.0	2.7	12.0	100	1000	5000
DEC											
14...	1400	122	272	7.6	9.0	5.0	--	12.3	98	--	--
JAN											
24...	1450	100e	282	7.4	7.0	2.0	2.7	13.4	97	2700	680
FEB											
17...	1420	111e	285	7.6	7.0	2.5	--	12.8	93	--	--
MAR											
14...	1430	335	206	7.4	9.0	5.0	1.6	12.8	101	2600	195
14...	1435	--	206	7.4	--	5.0	--	12.8	101	--	--
28...	1430	429	170	7.2	9.5	5.0	--	13.6	107	--	--
APR											
14...	1310	282	215	7.6	19.5	10.0	--	11.4	103	--	--
22...	1310	162	244	7.7	16.5	13.0	--	11.0	105	--	--
MAY											
24...	1500	93	301	7.7	23.0	10.5	--	11.2	102	--	--
JUN											
02...	1230	80	302	7.0	17.5	18.0	--	9.7	103	--	--
21...	1245	77	326	7.2	20.0	21.0	--	8.6	97	3200	5000
JUL											
19...	1140	58	333	8.1	31.0	23.5	3.1	8.6	101	900	185
27...	1130	63	314	7.4	26.0	25.0	--	8.4	99	--	--
AUG											
09...	1200	49	325	7.7	21.0	20.0	1.0	9.2	101	880	144
17...	1355	57	308	7.5	27.0	21.5	--	8.8	98	--	--
24...	0815	238	183	6.7	12.0	17.5	--	9.0	93	--	--
SEP											
16...	1310	66	347	7.6	30.5	18.0	2.0	8.8	93	1000	200

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT											
18...	96	30	5.2	29	5.5	0	68	56	31	36	0.30
NOV											
22...	69	21	3.9	23	4.5	0	65	53	30	34	0.20
DEC											
14...	75	23	4.3	22	3.3	0	52	43	23	29	0.10
JAN											
24...	71	22	4.0	33	3.1	0	56	46	23	53	0.10
FEB											
17...	65	20	3.7	26	2.8	0	55	45	24	40	0.10
MAR											
14...	44	13	2.7	19	2.3	0	31	25	14	32	<0.10
14...	46	14	2.7	20	2.3	--	--	--	14	32	<0.10
28...	40	12	2.5	16	1.7	--	--	--	14	28	<0.10
APR											
14...	61	19	3.4	20	2.5	0	34	28	17	29	0.10
22...	52	16	2.9	17	2.1	0	43	36	20	32	0.10
MAY											
24...	74	23	3.9	24	3.3	--	--	--	24	36	0.10
JUN											
02...	80	25	4.3	25	3.6	--	66	51	25	39	0.20
21...	83	26	4.5	26	4.1	0	51	42	27	38	0.20
JUL											
19...	96	30	5.2	29	4.1	0	68	56	31	41	0.20
27...	83	26	4.4	25	3.9	0	52	43	29	37	0.20
AUG											
09...	84	26	4.7	26	4.1	--	--	--	26	39	0.20
17...	81	25	4.4	25	3.9	0	61	50	25	37	0.20
24...	46	14	2.7	13	2.9	--	45	37	14	20	0.10
SEP											
16...	90	28	4.9	28	4.9	0	64	52	33	41	0.20

CONNECTICUT RIVER BASIN

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 18...	11	197	--	4.18	0.020	4.20	4.20	0.120	0.68	0.80	0.50
NOV 22...	12	201	209	3.52	0.080	3.60	3.60	0.450	0.45	0.90	0.90
DEC 14...	11	154	--	3.07	0.130	3.20	3.20	0.400	0.50	0.90	0.70
JAN 24...	12	200	212	1.65	0.850	2.50	2.50	1.10	0.60	1.7	1.5
FEB 17...	11	166	--	1.57	0.330	1.90	1.90	2.00	0.40	2.4	2.4
MAR 14...	8.9	122	120	1.58	0.020	1.60	1.60	0.380	0.32	0.70	0.60
14...	9.0	86	108	--	--	--	--	--	--	--	--
28...	7.8	117	--	1.38	0.020	1.40	1.40	0.200	0.30	0.50	0.40
APR 14...	7.9	128	--	1.77	0.030	1.80	1.80	0.310	0.29	0.60	0.50
22...	7.8	145	--	1.86	0.040	1.90	1.90	0.270	0.43	0.70	0.60
MAY 24...	9.7	176	190	2.53	0.070	2.60	2.60	0.120	0.68	0.80	0.50
JUN 02...	8.9	192	--	3.73	0.070	3.80	3.80	0.090	0.81	0.90	0.60
21...	12	205	224	3.31	0.090	3.40	3.40	0.230	0.87	1.1	0.70
JUL 19...	11	219	228	3.26	0.040	3.30	3.30	0.070	1.2	1.3	0.50
27...	9.7	195	--	0.410	0.010	0.420	0.420	<0.010	0.50	0.50	0.30
AUG 09...	11	188	204	3.67	0.030	3.70	3.70	0.070	0.53	0.60	0.50
17...	9.4	179	--	3.06	0.040	3.10	3.10	0.100	0.30	0.40	0.60
24...	8.5	112	--	1.15	0.050	1.20	1.20	0.150	0.45	0.60	0.50
SEP 16...	11	212	214	4.35	0.050	4.40	4.40	0.090	0.61	0.70	0.50

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 18...	5.0	0.740	0.650	0.600	--	--	--	--	--	--	--
NOV 22...	4.5	0.460	0.480	0.450	<1	<1.0	3	<1	4	3	360
DEC 14...	4.1	0.350	0.300	0.290	--	--	--	--	--	--	--
JAN 24...	4.2	0.410	0.340	0.290	<1	<1.0	2	<1	6	5	340
FEB 17...	4.3	0.350	0.300	0.260	--	--	--	--	--	--	--
MAR 14...	2.3	0.140	0.120	0.110	--	<1.0	--	<1	--	4	--
14...	--	--	--	--	--	<1.0	--	<1	--	4	--
28...	1.9	0.110	0.090	0.070	--	--	--	--	--	--	--
APR 14...	2.4	0.180	0.140	0.130	--	--	--	--	--	--	--
22...	2.6	0.220	0.170	0.150	--	--	--	--	--	--	--
MAY 24...	3.4	0.320	0.250	0.240	<1	<1.0	2	<1	6	4	690
JUN 02...	4.7	0.530	0.450	0.430	--	--	--	--	--	--	--
21...	4.5	0.730	0.600	0.570	--	<1.0	--	<1	--	4	--
JUL 19...	4.6	0.760	0.570	0.530	<1	<1.0	1	<1	4	5	430
27...	0.92	0.620	<0.010	<0.010	--	--	--	--	--	--	--
AUG 09...	4.3	0.630	0.550	0.550	--	<1.0	--	1	--	3	--
17...	3.5	0.610	0.630	0.600	--	--	--	--	--	--	--
24...	1.8	0.250	0.170	0.160	--	--	--	--	--	--	--
SEP 16...	5.1	0.610	0.560	0.510	--	<1.0	--	<1	--	3	--

CONNECTICUT RIVER BASIN

01192500 HOCKANUM RIVER NEAR EAST HARTFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT 18...	100	--	--	110	--	--	--	--	--	4.5	0.7
NOV 22...	130	1	<1	88	1	<1	80	22	4.4	--	0.4
DEC 14...	190	--	--	110	--	--	--	--	--	3.9	0.4
JAN 24...	150	2	<1	140	<1	<1	40	33	--	4.1	0.5
FEB 17...	130	--	--	110	--	--	--	--	--	3.4	0.3
MAR 14...	110	--	<1	89	--	<1	--	21	--	3.5	0.5
14...	110	--	<1	89	--	<1	--	22	--	--	--
28...	95	--	--	56	--	--	--	--	--	3.1	0.4
APR 14...	180	--	--	90	--	--	--	--	--	3.4	0.6
22...	130	--	--	72	--	--	--	--	--	3.6	0.4
MAY 24...	170	4	<1	120	4	1	30	16	--	4.9	1.6
JUN 02...	110	--	--	97	--	--	--	--	--	--	--
21...	210	--	<1	130	--	1	--	30	--	4.7	0.8
JUL 19...	110	1	<1	150	2	1	30	24	--	4.0	3.0
27...	110	--	--	130	--	--	--	--	--	3.9	1.0
AUG 09...	160	--	<1	90	--	1	--	20	--	3.8	0.9
17...	130	--	--	100	--	--	--	--	--	3.5	1.1
24...	270	--	--	79	--	--	--	--	--	--	--
SEP 16...	69	--	<1	73	--	<1	--	30	--	4.3	0.7

CONNECTICUT RIVER BASIN

01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT

LOCATION.--Lat 41°31'12", long 72°42'23", Middlesex County, Hydrologic Unit 01080205, on right bank just upstream from Cider Mill Road, 0.5 mi northeast of Middlefield, and 0.75 mi upstream from Wadsworth Falls.

DRAINAGE AREA.--29.8 mi².

WATER-DISCHARGE RECORDS

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. Prior to Dec. 2, 1980, water-stage recorder at site 2.0 mi downstream at datum 73.01 ft lower.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Infrequent regulation from Beseck Lake.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	51	139	e32	e150	e56	180	33	11	6.5	2.0	8.0
2	30	48	97	e30	e110	e54	148	36	9.4	5.5	1.7	6.6
3	25	38	65	e29	e94	e50	126	35	8.7	4.6	1.4	5.7
4	21	30	55	e28	e82	e43	110	31	8.1	4.0	1.2	5.3
5	19	29	194	e28	e74	e66	85	31	7.4	3.2	1.4	4.9
6	15	40	493	e27	e68	e62	77	29	6.8	2.8	2.4	4.3
7	7.4	41	401	e26	e64	e60	87	30	6.6	2.4	2.0	3.6
8	6.4	35	265	e26	e60	e60	89	51	6.2	2.2	1.7	3.2
9	7.9	29	177	e26	e58	e78	76	56	5.7	2.8	1.3	3.3
10	10	26	130	e25	e56	e230	68	48	5.2	2.5	1.1	8.5
11	8.7	24	124	e25	e52	541	71	36	4.6	2.1	.88	8.2
12	19	22	124	e25	e50	332	67	31	14	1.7	1.3	7.9
13	57	20	104	e24	e48	228	73	31	18	1.3	1.4	6.4
14	59	19	81	e24	e47	216	97	28	18	1.1	1.6	5.0
15	49	18	71	e24	e45	243	92	26	14	2.4	2.0	4.1
16	33	19	64	e24	e44	292	88	32	11	3.1	1.6	3.5
17	21	21	57	e24	e42	248	96	38	9.2	2.9	1.4	3.3
18	17	29	52	e58	e40	197	83	39	7.7	2.8	25	5.9
19	15	33	53	e210	e40	153	69	37	6.6	2.4	20	5.0
20	17	51	57	e120	e40	139	61	35	5.5	1.9	18	4.4
21	23	52	94	e80	e90	140	54	31	4.7	1.7	16	3.9
22	33	47	146	e65	e160	252	49	27	4.6	1.6	63	3.9
23	34	43	129	e60	e200	374	45	24	3.8	2.9	105	56
24	30	39	e100	e55	e150	343	42	20	3.3	4.7	106	82
25	24	37	e74	e50	e105	289	40	18	4.0	3.9	77	74
26	19	31	e62	e42	e86	235	38	17	4.3	5.1	45	46
27	18	26	e54	e34	e72	201	38	16	3.8	3.5	25	41
28	18	66	e43	e29	e64	238	36	15	3.4	5.2	17	66
29	17	156	e40	e350	---	295	32	14	5.8	4.3	14	77
30	18	177	e37	e380	---	300	31	13	8.5	2.9	12	66
31	37	---	e34	e200	---	233	---	12	---	2.4	9.4	---
TOTAL	766.4	1297	3616	2180	2191	6248	2248	920	229.9	96.4	578.78	622.9
MEAN	24.7	43.2	117	70.3	78.2	202	74.9	29.7	7.66	3.11	18.7	20.8
MAX	59	177	493	380	200	541	180	56	18	6.5	106	82
MIN	6.4	18	34	24	40	43	31	12	3.3	1.1	.88	3.2
CFSM	.83	1.45	3.91	2.36	2.63	6.76	2.51	1.00	.26	.10	.63	.70
IN.	.96	1.62	4.51	2.72	2.74	7.80	2.81	1.15	.29	.12	.72	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1994, BY WATER YEAR (WY)

	MEAN	35.2	65.2	83.0	70.8	92.5	103	106	59.7	64.0	17.8	25.5	16.2
MAX	130	106	153	144	162	206	284	172	242	61.3	73.6	41.2	
(WY)	1990	1984	1984	1982	1981	1983	1983	1989	1982	1984	1991	1989	
MIN	5.93	29.5	26.1	8.43	46.1	47.8	25.4	16.2	5.20	2.45	2.07	2.83	
(WY)	1987	1985	1990	1981	1987	1981	1985	1986	1988	1987	1981	1981	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1981 - 1994

ANNUAL TOTAL	21810.1	20994.38	
ANNUAL MEAN	59.8	57.5	62.7
HIGHEST ANNUAL MEAN			95.5
LOWEST ANNUAL MEAN			30.8
HIGHEST DAILY MEAN	493	Dec 6	541
LOWEST DAILY MEAN	1.0	Aug 24	.88
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 9	1.3
INSTANTANEOUS PEAK FLOW			597
INSTANTANEOUS PEAK STAGE			8.50
INSTANTANEOUS LOW FLOW			8.86
ANNUAL RUNOFF (CFSM)	2.01	1.93	2.11
ANNUAL RUNOFF (INCHES)	27.23	26.21	28.61
10 PERCENT EXCEEDS	139	149	140
50 PERCENT EXCEEDS	35	31	37
90 PERCENT EXCEEDS	3.9	3.0	4.7

a Also occurred on Aug. 12.

e Estimated.

CONNECTICUT RIVER BASIN

01193000 CONNECTICUT RIVER NEAR MIDDLETOWN, CT

LOCATION.--Lat 41°33'40", long 72°36'43", Middlesex County, Hydrologic Unit 01080205, on right bank 0.5 mi upstream from Bodkin Rock, 2 mi downstream from Middletown, and 29.5 mi, upstream from mouth.

DRAINAGE AREA.--10,887 mi².

PERIOD OF RECORD.--October 1965 to current year. Jan. 1, 1947, to Sept. 30, 1948, twice daily readings on outside staff gage, and Sept. 8, 1948, to Oct. 14, 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.

REVISED RECORDS.-- WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below sea level. Auxiliary digital water-stage recorder at same datum on right bank 3.8 mi downstream, 120 ft downstream from pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL).

REMARKS.--Prior to 1994 water year, volume discharge records are available.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 186,000 ft³/s June 2, 1984, gage height, 31.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 267,000 ft³/s Mar. 21, 1936, gage height, 38.2 ft, from rating curve extended above 125,000 ft³/s on basis of stage and discharge determinations of 1927, 1936, and 1938 floods. Peak discharges for floods dating back to 1814 are available in the office at Hartford, Conn.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 102,400 ft³/s Apr. 19, elevation, 12.55 ft.; minimum tidal elevation, -0.97 ft, Jan. 10.

ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
Maximum	Elevation	3.40	4.54	4.71	4.04	4.13	5.59	12.55	5.57	3.36	3.37	3.78	3.85
	Date	12	28	6	4	23	30	19	1	24	28	23	23
	Time	2200	1230	1800	1715	2230	0330	1930	0545	0115	1615	0145	1415
Minimum	Elevation	-0.35	-0.75	-0.62	-0.97	-0.35	0.45	3.87	1.11	-0.02	-0.18	-0.39	-0.59
	Date	25	2	27	10	14	9	2	31	22	11	15	12
	Time	1630	0915	1915	0700	2245	0615	0045	1315	1830	0930	1415	1245

NOTE.--Time shown is Eastern standard.

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, Hydrologic Unit 01080205, on pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mi south of Middle Haddam, 7.6 mi upstream from Salmon River, and 6.1 mi south of Middletown.

DRAINAGE AREA.--10,897 mi² rev.

PERIOD OF RECORD.--Water year 1967 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

pH: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

WATER TEMPERATURES: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

DISSOLVED OXYGEN: October 1967 to September 1970, October 1973 to June 1976, June 1978 to current year.

INSTRUMENTATION.--Water-quality monitor October 1967 to current year.

REMARKS.--U.S.G.S. water-quality monitoring system installed June 1978. Interruptions of the record due to malfunctions of the instrument. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records due to the depth and location of the intake pipes and the pumping methods used for the monitoring system. In addition to water-quality monitor record, samples were collected approximately once a month, June 19, 1967 to September 1976. Samples were collected quarterly November 1976 to July 1981. Monthly sampling began again October 1981. Stream tidal affected. Extremes for period of daily record and current year are only for those values reported. Due to equipment malfunction, daily values were not published for this year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 483 microsiemens Aug. 18, 1975; minimum, 33 microsiemens March 23, 1980.

pH: Maximum, 9.7 units July 3, 1975; minimum, 4.9 units Apr. 23, 1976.

WATER TEMPERATURES: Maximum, 33.0°C July 12, 1970; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 19.2 mg/L Feb. 17, 1980; minimum 0.6 mg/L Aug. 11, 1970.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	COLIFORM, FECA, UM-MF (COLS./100 ML) (31616)	ENTEROCOCCI, ME, MF TOTAL (COL / 100 ML) (31649)	HARDNESS (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
OCT												
22...	1215	137	7.3	10.5	12.5	3.4	8.1	75	4400	144	42	13
NOV												
09...	1210	133	7.6	7.0	7.5	1.6	11.2	92	3000	184	--	--
JAN												
10...	1435	138	7.4	-6.0	0.0	1.3	12.2	82	830	550	39	12
MAR												
08...	1445	153	7.3	6.5	1.0	2.2	13.0	92	1000	248	36	11
MAY												
11...	1420	95	7.4	21.0	13.0	4.1	10.2	96	96	K7	29	9.2
JUN												
14...	1035	128	7.3	23.0	21.0	3.2	7.7	86	660	60	38	12
JUL												
18...	1115	137	7.2	24.0	26.0	2.1	7.2	88	73	K9	44	14
AUG												
15...	1045	157	7.6	30.0	24.5	1.5	8.4	100	K17	K1	45	14
SEP												
02...	1200	135	7.5	22.0	21.0	1.4	6.9	77	49	K10	44	14

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT 22...	2.2	10	1.6	0	37	30	11	13	0.10	5.2	79	90
NOV 09...	--	--	--	0	35	29	--	--	--	--	--	--
JAN 10...	2.1	9.9	1.3	0	32	26	12	14	<0.10	7.7	83	92
MAR 08...	2.0	13	1.2	0	30	25	11	22	<0.10	7.3	55	98
MAY 11...	1.4	6.1	0.80	0	25	20	8.2	9.1	<0.10	5.4	58	74
JUN 14...	2.0	8.5	1.3	0	33	27	9.9	12	0.10	4.7	83	88
JUL 18...	2.1	10	1.5	0	39	32	10	14	0.10	4.9	86	86
AUG 15...	2.4	12	1.8	0	42	34	10	17	0.10	4.4	78	96
SEP 02...	2.2	10	1.5	0	39	32	9.8	13	0.10	5.7	88	98

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 22...	0.450	0.030	0.480	0.480	0.220	0.28	0.50	0.40	0.98	0.090	0.040	0.060
NOV 09...	0.420	0.020	0.440	0.440	0.160	0.24	0.40	0.30	0.84	0.050	0.030	0.050
JAN 10...	0.570	0.020	0.590	0.590	0.330	0.17	0.50	0.60	1.1	0.080	0.060	0.060
MAR 08...	0.500	0.010	0.510	0.510	0.250	0.25	0.50	0.40	1.0	0.050	0.050	0.030
MAY 11...	0.280	<0.010	0.280	0.280	0.080	0.22	0.30	0.20	0.58	0.030	<0.010	<0.010
JUN 14...	0.420	0.020	0.440	0.440	0.180	0.32	0.50	0.40	0.94	0.060	0.040	0.030
JUL 18...	0.400	0.010	0.410	0.410	0.060	0.34	0.40	0.20	0.81	0.070	0.040	0.030
AUG 15...	0.500	0.030	0.530	0.530	0.120	0.28	0.40	<0.20	0.93	0.080	0.060	0.050
SEP 02...	0.480	0.040	0.520	0.520	0.090	0.31	0.40	0.30	0.92	0.080	0.050	0.050

CONNECTICUT RIVER BASIN

01193050 CONNECTICUT RIVER AT MIDDLE HADDAM, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 22...	8	<1	17	<1	<1	<1.0	<1	<1	<1	3	2	350
NOV 09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 10...	--	--	--	--	<1	<1.0	<1	<1	--	2	3	210
MAR 08...	--	--	--	--	<1	<1.0	<1	<1	--	2	2	310
MAY 11...	--	--	--	--	<1	<1.0	<1	<1	--	3	2	520
JUN 14...	--	--	--	--	<1	<1.0	<1	<1	--	3	3	540
JUL 18...	--	--	--	--	<1	<1.0	<1	<1	--	3	2	260
AUG 15...	--	--	--	--	<1	<1.0	<1	<1	--	3	2	230
SEP 02...	--	--	--	--	<1	<1.0	<1	<1	--	3	3	330

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	68	1	<1	19	<1	2	1	<1.0	<10	3	<1.0	4.6
NOV 09...	--	--	--	--	--	--	--	--	--	--	--	4.5
JAN 10...	120	<1	<1	54	--	<1	<1	--	10	<3	--	3.9
MAR 08...	100	<1	<1	34	--	1	1	--	<10	8	--	3.3
MAY 11...	95	<1	<1	13	--	1	<1	--	<10	3	--	4.0
JUN 14...	78	<1	<1	8	--	2	<1	--	<10	<3	--	3.7
JUL 18...	22	<1	<1	<1	--	2	<1	--	<10	<3	--	3.9
AUG 15...	32	<1	<1	<1	--	2	2	--	<10	<3	--	4.2
SEP 02...	110	<1	<1	9	--	2	<1	--	20	<3	--	4.8

CONNECTICUT RIVER BASIN

01193500 SALMON RIVER NEAR EAST HAMPTON, CT

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

DRAINAGE AREA.--100 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to current year.

REVISED RECORDS.--WSP 1201: 1929. WDR CT-78-1: 1976 (P). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. 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.

REMARKS.--Records good except for periods of estimated record, which are fair. Satellite telemetry at this station used for primary stage data. Slight regulation at low flow by ponds upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	172	277	e100	e350	e180	483	193	61	52	28	51
2	44	128	225	e97	e300	e170	424	233	63	36	23	43
3	41	100	206	e95	e270	e160	385	177	57	29	20	37
4	39	88	190	e93	e240	220	364	156	49	25	18	35
5	32	92	1170	e91	e225	214	333	151	44	22	30	33
6	30	149	1020	e89	e215	209	316	157	41	20	68	30
7	26	114	534	e88	e200	211	402	204	44	19	39	27
8	25	91	384	e87	e192	324	352	320	40	21	26	25
9	24	83	318	e86	e185	367	300	301	35	47	20	24
10	22	81	288	e85	e177	983	292	214	31	32	17	32
11	21	79	411	e84	e170	1030	353	173	29	22	14	30
12	34	76	354	e84	e165	616	303	154	64	19	16	25
13	275	75	274	e83	e158	512	302	141	156	16	17	22
14	133	73	261	e83	e150	552	412	125	104	14	24	22
15	85	74	244	e82	e145	672	321	115	100	30	39	26
16	73	68	222	e82	e140	749	310	230	72	42	28	23
17	62	68	198	e200	e138	570	313	262	58	28	22	22
18	54	137	182	e600	e136	442	265	208	47	22	427	83
19	46	145	219	e400	e134	390	239	169	38	21	241	66
20	60	193	242	e270	292	371	224	158	32	18	130	41
21	103	141	683	e180	498	401	199	152	30	16	110	32
22	191	116	687	e145	630	992	187	134	33	14	682	30
23	116	98	396	e125	e400	951	176	109	28	17	756	508
24	85	89	296	e115	e300	865	171	100	25	63	305	441
25	71	82	e220	e110	e250	754	168	96	26	60	168	215
26	63	73	e175	e105	e220	613	167	126	26	38	117	131
27	63	72	e145	e100	e200	591	172	104	23	32	94	156
28	67	649	e135	e1200	e190	767	194	89	22	64	75	234
29	61	920	e125	e1000	---	900	160	77	45	66	68	183
30	62	417	e115	e650	---	762	153	69	92	42	67	131
31	176	---	e105	e450	---	567	---	64	---	32	56	---
TOTAL	2242	4743	10301	7059	6670	17105	8440	4961	1515	979	3745	2758
MEAN	72.3	158	332	228	238	552	281	160	50.5	31.6	121	91.9
MAX	275	920	1170	1200	630	1030	483	320	156	66	756	508
MIN	21	68	105	82	134	160	153	64	22	14	14	22
CFSM	.72	1.58	3.32	2.28	2.38	5.52	2.81	1.60	.50	.32	1.21	.92
IN.	.83	1.76	3.83	2.63	2.48	6.36	3.14	1.85	.56	.36	1.39	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	MEAN	87.9	161	213	248	253	374	342	225	137	63.5	55.8	66.3
MAX	734	551	641	1144	623	797	803	482	801	426	357	834	
(WY)	1956	1956	1973	1979	1973	1936	1983	1989	1982	1938	1955	1938	
MIN	12.4	25.2	41.5	25.2	64.6	170	110	82.6	22.4	8.41	7.50	5.80	
(WY)	1931	1932	1944	1981	1934	1985	1985	1986	1957	1957	1957	1943	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1929 - 1994

ANNUAL TOTAL	69287.0	70518	185	
ANNUAL MEAN	190	193	326	1973
HIGHEST ANNUAL MEAN			84.9	1966
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	1310	Mar 29	1200	Jan 28
LOWEST DAILY MEAN	7.7	Aug 12	14	Jul 14
ANNUAL SEVEN-DAY MINIMUM	8.9	Aug 7	19	Aug 8
INSTANTANEOUS PEAK FLOW			1880	Dec 5
INSTANTANEOUS PEAK STAGE			a7.29	Jan 28
INSTANTANEOUS LOW FLOW			b13	Jul 22
ANNUAL RUNOFF (CFSM)	1.90	1.93		1.85
ANNUAL RUNOFF (INCHES)	25.77	26.23		25.18
10 PERCENT EXCEEDS	421	445		405
50 PERCENT EXCEEDS	112	116		116
90 PERCENT EXCEEDS	17	25		19

a Peak caused by ice jam.

b Also occurred July 23.

e Estimated.

CONNECTICUT RIVER BASIN

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.

REMARKS.--Unpublished records of iron, specific conductance, and pH of daily samples for 1960-61 available in the office at Hartford, Conn. Instantaneous records are representative of the cross section while continuous records are based on point samples. The instantaneous record values will not necessarily fall within the corresponding daily range of the continuous records due to the depth and location of the intake pipes and the pumping methods used for the monitoring system.

Suspended-sediment records are good during periods of low and normal flows, and fair during high flows. Data estimated during periods of missing records.

Extremes for period of daily record and current year are only for those values reported.

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, 3870 mg/L June 6, 1982; minimum daily mean, 0 mg/L on numerous days.

SEDIMENT LOADS: Maximum daily, 95400 tons June 6, 1982; minimum daily, 0 ton on numerous days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME,MF WATER TOTAL (COL / 100 ML) (31649)
NOV											
09...	1415	82	106	7.3	10.0	3.5	0.90	13.6	101	100	K11
JAN											
10...	1035	85e	75	7.2	-2.0	0.0	1.0	13.8	92	K9	K11
MAR											
08...	1130	325	113	7.1	6.5	1.0	1.4	14.2	100	100	74
MAY											
11...	1145	176	87	7.7	21.0	13.0	1.1	10.8	102	22	K11
JUN											
09...	1330	34	106	7.4	24.5	20.0	0.50	9.1	100	43	31
13...	1115	161	97	7.3	--	18.0	--	9.0	96	--	--
JUL											
18...	0900	21	110	7.5	24.0	21.0	1.2	8.8	98	54	116
AUG											
02...	1145	23	109	7.3	33.0	26.0	1.0	8.0	99	32	K18
31...	1430	53	103	5.5	23.0	18.0	--	9.6	101	--	--
SEP											
02...	0940	45	108	7.7	19.0	16.0	0.60	10.5	106	78	96
15...	1615	26	117	6.6	20.0	19.5	--	8.9	97	--	--

CONNECTICUT RIVER BASIN

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 09...	23	6.2	1.8	8.4	1.9	0	13	11	13	14	<0.10
JAN 10...	21	5.8	1.7	8.1	1.4	--	--	--	11	13	<0.10
MAR 08...	19	5.2	1.5	11	1.5	0	8	7	10	19	<0.10
MAY 11...	18	4.9	1.4	8.2	1.1	0	12	10	9.0	13	<0.10
JUN 09...	22	6.0	1.6	10	1.7	0	16	13	8.7	16	<0.10
JUN 13...	--	--	--	--	--	--	20	16	--	--	--
JUL 18...	25	6.8	1.9	11	1.9	0	20	16	7.3	17	<0.10
AUG 02...	24	6.8	1.8	10	1.8	0	17	14	6.6	15	<0.10
AUG 31...	22	6.2	1.6	9.8	1.7	--	12	10	7.8	15	<0.10
SEP 02...	23	6.4	1.7	10	1.7	0	21	17	8.0	16	<0.10
SEP 15...	25	6.9	1.8	11	2.2	--	21	17	8.6	18	<0.10
DATE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 09...	10	75	94	0.140	<0.010	0.140	0.140	0.020	--	<0.20	<0.20
JAN 10...	11	63	70	0.390	<0.010	0.390	0.390	0.050	--	<0.20	<0.20
MAR 08...	9.0	67	66	0.460	<0.010	0.460	0.460	0.060	--	<0.20	<0.20
MAY 11...	5.9	53	60	0.100	<0.010	0.100	0.100	<0.010	0.30	0.30	<0.20
JUN 09...	7.7	61	78	0.190	<0.010	0.190	0.190	0.020	0.18	0.20	<0.20
JUN 13...	--	--	--	0.270	<0.010	0.270	0.270	0.030	0.47	0.50	0.30
JUL 18...	7.2	77	80	0.110	<0.010	0.110	0.110	0.020	0.18	0.20	0.20
AUG 02...	7.7	61	74	0.081	<0.010	0.081	0.081	0.020	0.28	0.30	<0.20
AUG 31...	8.4	71	--	0.087	<0.010	0.087	0.087	0.020	0.28	0.30	0.20
SEP 02...	8.3	42	70	0.071	<0.010	0.071	0.071	0.020	0.38	0.40	<0.20
SEP 15...	8.0	78	--	0.091	<0.010	0.091	0.091	0.010	--	<0.20	<0.20

CONNECTICUT RIVER BASIN

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV 09...	--	0.020	<0.010	<0.010	<1	<1.0	1	<1	<1	<1
JAN 10...	--	<0.010	0.020	<0.010	<1	<1.0	<1	<1	<1	<1
MAR 08...	--	0.020	<0.010	<0.010	<1	<1.0	<1	<1	<1	<1
MAY 11...	0.40	<0.010	<0.010	<0.010	<1	<1.0	<1	<1	<1	<1
JUN 09...	0.39	<0.010	<0.010	<0.010	<1	<1.0	<1	<1	<1	<1
13...	0.77	0.040	0.010	<0.010	--	--	--	--	--	--
JUL 18...	0.31	0.050	0.010	<0.010	<1	<1.0	<1	<1	<1	1
AUG 02...	0.38	0.030	<0.010	<0.010	<1	<1.0	<1	<1	7	<1
31...	0.39	<0.010	0.020	<0.010	--	--	--	--	--	--
SEP 02...	0.47	<0.010	<0.010	0.010	<1	<1.0	<1	<1	<1	<1
15...	--	<0.010	<0.010	<0.010	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 09...	250	160	<1	<1	7	1	<1	<10	<3	4.1
JAN 10...	200	140	<1	<1	24	<1	<1	<10	6	2.6
MAR 08...	290	86	<1	<1	26	1	1	<10	8	2.7
MAY 11...	360	230	<1	<1	9	1	<1	<10	4	4.0
JUN 09...	330	190	<1	<1	11	<1	<1	<10	5	3.0
13...	--	--	--	--	--	--	--	--	--	--
JUL 18...	520	420	<1	<1	9	1	<1	<10	<3	3.7
AUG 02...	440	350	<1	<1	13	26	<1	<10	<3	4.6
31...	--	510	--	--	9	--	--	--	--	--
SEP 02...	510	400	<1	1	7	1	<1	<10	<3	4.9
15...	--	170	--	--	4	--	--	--	--	--

CONNECTICUT RIVER BASIN

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT

LOCATION.--Lat 41°27'05", long 72°27'55", Middlesex County, Hydrologic Unit 01080205, at bridge on State Highway 82, at East Haddam, 1.1 mi downstream from Salmon River and 3.7 mi upstream from Chester Creek.

DRAINAGE AREA.--11,092 mi².

PERIOD OF RECORD.--Water years 1968, 1974 to current year.

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	PH			TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)										
OCT 22...	1005	135	7.4	10.5	13.0	4.4	8.6	81	2400	112		41	13
DEC 10...	1015	95	7.4	12.0	4.0	2.4	11.6	89	680	116		29	8.9
FEB 10...	1125	152	7.2	-6.0	0.0	1.1	13.4	91	540	300		38	12
APR 15...	0850	82	7.4	23.5	6.0	7.0	12.9	103	240	88		24	7.7
JUN 14...	0845	121	7.5	23.0	21.5	1.3	7.9	89	400	73		35	11
AUG 15...	0900	156	7.6	28.0	24.5	1.6	8.0	95	K12	K4		44	14
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	
OCT 22...	2.1	8.9	1.7	0	37	30	11	13	0.10	5.1	78	76	
DEC 10...	1.6	6.2	1.1	0	23	19	9.6	7.9	<0.10	6.5	61	67	
FEB 10...	2.0	12	1.4	--	--	--	11	18	<0.10	8.2	90	102	
APR 15...	1.2	5.3	0.90	--	--	--	7.6	8.3	<0.10	5.5	52	--	
JUN 14...	1.8	8.2	1.3	0	32	26	9.5	13	<0.10	5.0	80	72	
AUG 15...	2.3	11	1.7	0	41	34	10	16	<0.10	4.2	81	92	
DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	
OCT 22...	0.440	0.030	0.470	0.470	0.190	0.31	0.50	0.30	0.97	0.100	0.060	0.060	
DEC 10...	0.330	0.020	0.350	0.350	0.110	--	<0.20	<0.20	--	0.030	<0.010	0.030	
FEB 10...	0.540	0.050	0.590	0.590	0.350	0.15	0.50	0.50	1.1	0.060	0.050	0.030	
APR 15...	0.290	0.010	0.300	0.300	0.070	0.13	0.20	<0.20	0.50	0.060	<0.010	0.010	
JUN 14...	0.340	0.020	0.360	0.360	0.160	0.34	0.50	0.30	0.86	0.050	0.010	0.020	
AUG 15...	0.490	0.030	0.520	0.520	0.060	0.34	0.40	<0.20	0.92	0.100	0.060	0.050	

CONNECTICUT RIVER BASIN

01193750 CONNECTICUT RIVER AT EAST HADDAM, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 22...	9	<1	16	<1	--	<1.0	--	<1	<1	--	2	--
DEC 10...	--	--	--	--	<1	<1.0	2	<1	--	3	4	360
FEB 10...	--	--	--	--	<1	<1.0	<1	<1	--	2	2	230
APR 15...	--	--	--	--	<1	<1.0	2	<1	--	4	2	1500
JUN 14...	--	--	--	--	<1	<1.0	<1	<1	--	2	2	420
AUG 15...	--	--	--	--	<1	<1.0	<1	<1	--	5	2	150

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 22...	69	--	<1	15	<1	--	1	<1.0	--	4	<1.0	4.5
DEC 10...	100	2	2	14	--	2	1	--	20	<3	--	4.4
FEB 10...	110	<1	<1	35	--	1	1	--	<10	5	--	3.5
APR 15...	71	2	<1	16	--	3	<1	--	20	5	--	4.4
JUN 14...	96	1	<1	9	--	1	<1	--	<10	4	--	3.7
AUG 15...	25	<1	<1	<1	--	4	1	--	<10	<3	--	4.3

CONNECTICUT RIVER BASIN

01194825 CONNECTICUT RIVER AT OLD SAYBROOK, CT

LOCATION.--Lat 41°15'47", long 72°20'36", Middlesex County, Hydrologic Unit 01080205, on right bank of Saybrook Jetties at Breakwater Lighthouse, 3.0 mi southeast of Old Saybrook, and at mouth of Connecticut River.

DRAINAGE AREA.--11,269 mi².

PERIOD OF RECORD.--June 1976 to February 1978, at station 01194820, 0.6 mi north, October 26, 1979 to current year.

REVISED RECORDS.--WDR CT-80-1: 1978 (M,m).

GAGE.--Water-stage recorder. Datum of reference gage is 4.56 ft below sea level in order to prevent negative values and is converted to elevation above or below (-) sea level for publication. Prior to Feb. 1978, at site 0.6 mi north at Lynde Point, at datum 5.12 ft lower.

REMARKS.--Stage data in feet at 15-minute intervals available upon request.

EXTREMES FOR PERIOD OF RECORD.--Maximum tidal elevation, 6.65 ft, Feb. 6, 1978; minimum, -3.69 ft, Feb. 8, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum tidal elevation recorded, 4.30 ft, Oct. 12; minimum, -2.83 ft, Feb. 28.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
Maximum high tide	Elevation	4.30	4.04	4.11	3.78	3.40	3.66	3.98	4.00 4.00	3.64	3.19	3.23	3.20
	Date	12	28	16	4	9	27	25	24 25	24	15	23	7
	Time	1900	0930	1300	1500	0915	2230	2215	2145 2245	2330	1545	1145	1100
Minimum Low tide	Elevation	-2.17	-2.38	-2.57 -2.57	-2.57 -2.57	-2.83	-2.69	-2.44	-1.88	-1.96	-1.90	-1.72	-1.90
	Date	15	12	27 30	4 9	28	1	28	14	23	23	17	8
	Time	1600	1500	0030 1645	2115 1330	0645	0630	0600	0630	0400	0430	0100	0530

NOTE.--Time shown is Eastern standard.

CONNECTICUT RIVER BASIN

RESERVOIRS IN CONNECTICUT RIVER BASIN

- 01185000 OTIS RESERVOIR.**--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., Hydrologic Unit 01080207, on Fall River in West Branch Farmington River basin, 1 mi northeast of Cold Spring. Drainage area, 15.9 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.

INDIAN RIVER BASIN

01195100 INDIAN RIVER NEAR CLINTON, CT

LOCATION.--Lat 41°18'21", long 72°31'54", Middlesex County, Hydrologic Unit 01100004, on right downstream side of bridge at Hurd Bridge Road, 2.0 mi north of Clinton.

DRAINAGE AREA.--5.68 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.

REMARKS.--Records fair except for periods of estimated record, which are poor. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	e14	18	e5.8	e15	e9.3	24	8.4	2.0	1.9	.09	.87
2	1.1	e6.0	12	e5.6	e13	e9.0	20	8.7	1.8	1.0	.07	.66
3	.99	4.0	10	e5.4	e11	23	18	6.5	1.6	.67	.07	.50
4	1.1	3.6	8.8	e5.2	e10	26	17	5.8	1.4	.45	.06	.38
5	.91	4.0	11	e5.0	e9.4	19	15	7.1	1.2	.36	.29	.38
6	.79	15	167	e4.8	e8.8	17	14	7.1	1.1	.30	2.3	.33
7	.61	8.1	68	e4.7	e8.3	17	28	7.6	1.3	.28	.75	.30
8	e.49	5.3	34	e4.6	e7.8	27	22	18	1.2	.31	.35	.30
9	e1.3	4.4	23	e4.4	e7.4	29	17	15	.99	1.1	.19	.33
10	e1.8	4.0	19	e4.3	e7.2	91	16	9.9	.81	.75	.11	.47
11	e1.4	3.7	17	e4.2	e6.8	85	20	7.8	.68	.37	.09	.67
12	e2.8	3.4	24	e4.1	e6.6	45	16	6.9	.61	.24	.19	.45
13	e17	3.3	19	e4.0	e6.4	35	26	6.2	.87	.14	.16	.38
14	e8.2	3.2	15	e3.8	e6.2	35	53	5.3	1.1	.10	.28	.38
15	e5.4	3.2	14	e3.8	e6.0	41	26	4.7	1.4	.47	.56	.34
16	e3.3	3.0	12	e3.8	e5.7	51	21	8.1	1.3	.70	.46	.30
17	e2.4	2.8	e10	e3.8	e5.6	36	18	11	.90	.43	.28	.30
18	e2.5	4.8	e9.2	e29	e5.4	27	16	8.2	.75	.30	5.4	.74
19	e2.4	4.8	e9.2	e16	e5.4	23	14	6.8	.60	.28	3.0	.91
20	e2.8	6.3	e10	e12	e8.0	21	13	6.2	.44	.21	1.6	.57
21	e3.8	5.8	e16	e9.2	e17	22	12	5.2	.35	.16	1.6	.40
22	e9.2	4.3	e39	e5.8	e26	91	11	4.6	.30	.13	23	.34
23	e4.8	4.0	e25	e5.0	e21	66	9.8	4.1	.30	.16	22	21
24	e3.8	3.7	e18	e4.7	e18	43	9.1	3.6	.35	.16	5.7	12
25	e3.0	3.5	e15	e4.4	e15	31	8.6	3.5	.38	.16	2.8	4.4
26	e2.5	3.3	e13	e4.2	e12	23	8.1	5.6	.38	.15	1.9	2.8
27	e2.6	3.0	e11	e4.0	e11	28	8.0	4.2	.35	.16	1.4	2.5
28	e2.8	3.0	e9.2	e25	e10	57	8.1	3.3	.28	.22	1.2	2.6
29	e2.6	53	e7.6	e87	---	62	7.0	2.9	3.2	.23	1.5	1.9
30	e2.7	30	e6.9	e35	---	48	6.8	2.6	5.5	.19	1.9	1.4
31	e5.6	---	e6.2	e21	---	30	---	2.3	---	.14	1.2	---
TOTAL	102.09	220.5	677.1	339.6	290.0	1167.3	502.5	207.2	33.44	12.22	80.50	58.90
MEAN	3.29	7.35	21.8	11.0	10.4	37.7	16.7	6.68	1.11	.39	2.60	1.96
MAX	17	53	167	87	26	91	53	18	5.5	1.9	23	21
MIN	.49	2.8	6.2	3.8	5.4	9.0	6.8	2.3	.28	.10	.06	.30
CFSM	.58	1.29	3.85	1.93	1.82	6.63	2.95	1.18	.20	.07	.46	.35
IN.	.67	1.44	4.43	2.22	1.90	7.64	3.29	1.36	.22	.08	.53	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1994, BY WATER YEAR (WY)

MEAN	5.62	12.1	15.1	13.5	14.4	17.4	18.0	10.2	10.4	2.98	4.03	2.29
MAX	24.0	26.7	36.8	25.2	29.3	37.7	38.9	21.3	57.1	13.4	12.5	7.30
(WY)	1991	1984	1984	1982	1984	1994	1983	1989	1982	1984	1992	1992
MIN	.80	3.27	4.69	4.80	7.42	8.57	6.16	3.55	1.11	.36	.22	.24
(WY)	1987	1988	1983	1985	1985	1990	1985	1986	1994	1993	1993	1983

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1982 - 1994

ANNUAL TOTAL	3641.83	3691.35	10.1
ANNUAL MEAN	9.98	10.1	16.8
HIGHEST ANNUAL MEAN			5.84
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	167	Dec 6	576
LOWEST DAILY MEAN	.01	Aug 13	.00
ANNUAL SEVEN-DAY MINIMUM	.02	Aug 9	.02
INSTANTANEOUS PEAK FLOW		251	Dec 6
INSTANTANEOUS PEAK STAGE		4.22	Dec 6
INSTANTANEOUS LOW FLOW		d.05	Aug 4
ANNUAL RUNOFF (CFSM)	1.76	1.78	1.78
ANNUAL RUNOFF (INCHES)	23.85	24.18	24.17
10 PERCENT EXCEEDS	24	25	23
50 PERCENT EXCEEDS	4.8	4.7	6.2
90 PERCENT EXCEEDS	.20	.30	.62

a From contracted-opening measurement.

b From digital recorder and floodmarks in well.

c Also occurred July 23, 1991.

d Also occurred Aug. 5.

e Estimated.

QUINNIPIAC RIVER BASIN

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 Street, and 500 ft upstream from bridge on Center Street in Southington.

DRAINAGE AREA.--17.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.47 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	29	24	e19	39	28	79	42	20	16	18	27
2	8.9	18	20	e19	35	27	70	47	19	13	17	24
3	11	14	19	e18	35	27	64	33	17	12	16	22
4	10	13	20	e18	34	29	66	30	16	11	15	21
5	8.6	15	159	e18	31	31	58	33	15	11	18	20
6	7.9	19	147	e18	26	30	57	33	15	11	28	20
7	7.7	14	56	e17	25	29	72	34	16	10	16	19
8	7.6	12	39	e17	24	41	58	91	15	38	13	18
9	7.3	12	33	e16	e23	43	50	56	14	68	12	17
10	6.8	12	29	e16	e23	184	51	37	14	19	12	20
11	6.6	11	42	e16	e23	191	62	32	13	14	11	17
12	13	11	36	e16	e22	86	49	32	84	12	14	16
13	47	11	27	e16	e22	75	56	31	97	11	13	15
14	17	11	25	e15	e22	85	77	27	37	10	25	15
15	11	11	24	e15	e22	98	53	25	36	17	20	15
16	10	11	23	e14	e21	105	63	54	24	14	14	15
17	9.3	14	21	e20	e20	74	62	49	21	11	12	15
18	8.6	34	20	e78	e20	60	47	42	19	10	266	34
19	8.2	25	25	e60	e26	54	43	36	17	10	206	20
20	15	28	27	e39	e43	54	42	35	15	9.3	71	15
21	24	17	70	e31	98	61	40	29	15	8.6	58	14
22	27	14	75	e25	101	174	37	26	15	8.7	283	15
23	15	14	40	e22	64	151	33	25	14	32	198	186
24	12	13	32	e21	46	128	34	24	13	65	79	119
25	11	12	29	e20	44	109	34	24	16	21	54	41
26	10	12	e25	e19	37	90	34	25	15	15	44	31
27	11	12	e22	18	34	91	34	23	13	13	39	50
28	11	55	e21	86	31	123	36	21	13	114	35	57
29	10	100	e20	215	---	143	32	20	22	119	36	35
30	12	36	e20	77	---	119	31	19	32	31	33	28
31	24	---	e19	48	---	88	---	18	---	21	29	---
TOTAL	398.4	610	1189	1047	991	2628	1524	1053	692	775.6	1705	961
MEAN	12.9	20.3	38.4	33.8	35.4	84.8	50.8	34.0	23.1	25.0	55.0	32.0
MAX	47	100	159	215	101	191	79	91	97	119	283	186
MIN	6.6	11	19	14	20	27	31	18	13	8.6	11	14
CFSM	.74	1.17	2.20	1.94	2.03	4.87	2.92	1.95	1.33	1.44	3.16	1.84
IN.	.85	1.30	2.54	2.24	2.12	5.62	3.26	2.25	1.48	1.66	3.65	2.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

	MEAN	31.1	37.3	32.0	32.6	34.9	49.5	44.8	44.5	32.0	20.0	28.7	17.7
MAX	89.9	57.8	50.5	46.2	51.3	84.8	71.1	109	68.5	29.6	55.0	32.0	
(WY)	1990	1990	1991	1990	1990	1994	1993	1989	1992	1989	1994	1994	
MIN	10.2	20.3	20.5	17.0	19.5	27.2	22.9	20.8	12.9	12.1	7.30	9.77	
(WY)	1989	1994	1989	1989	1989	1989	1988	1992	1988	1993	1993	1988	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1988 - 1994

ANNUAL TOTAL	10780.1	13574.0		
ANNUAL MEAN	29.5	37.2	35.1	
HIGHEST ANNUAL MEAN			42.5	1990
LOWEST ANNUAL MEAN			29.1	1992
HIGHEST DAILY MEAN	203	Mar 28	283	Aug 22
LOWEST DAILY MEAN	4.7	Sep 2	6.6	Oct 11
ANNUAL SEVEN-DAY MINIMUM	5.1	Aug 9	7.5	Oct 5
INSTANTANEOUS PEAK FLOW			373	Aug 18
INSTANTANEOUS PEAK STAGE			6.91	Aug 18
INSTANTANEOUS LOW FLOW			6.5	Oct 11
ANNUAL RUNOFF (CFSM)	1.70	2.14		2.02
ANNUAL RUNOFF (INCHES)	23.05	29.02		27.43
10 PERCENT EXCEEDS	60	78		61
50 PERCENT EXCEEDS	20	24		23
90 PERCENT EXCEEDS	6.7	11		9.8

e Estimated

QUINNIPIAC RIVER BASIN

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 Street, 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
20...	1445	49	353	7.5	14.0	12.0	2.3	8.2	75	2500	375
DEC											
06...	1415	656	134	7.0	6.5	5.0	5.9	11.3	89	7200	3800
FEB											
04...	1410	--	312	7.6	-1.0	0.5	1.4	13.1	91	1000	300
APR											
18...	1410	335	253	7.8	20.0	12.0	1.4	12.4	115	200	77
JUN											
16...	1300	141	221	7.2	33.0	21.0	2.6	7.2	80	500	150
JUL											
15...	1300	67	375	7.6	22.0	19.5	2.4	7.3	79	2000	2000
AUG											
12...	1230	73	343	7.6	28.0	18.5	1.8	8.5	90	1200	292
23...	1430	--	131	6.6	22.0	18.5	--	7.5	80	--	--
SEP											
09...	1240	82	334	7.6	24.0	17.0	1.1	9.6	100	88	480

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
20...	120	39	5.5	24	2.7	--	--	--	22	32
DEC										
06...	39	12	2.2	8.7	1.5	0	29	24	12	14
FEB										
04...	88	28	4.3	23	1.7	0	68	56	16	41
APR										
18...	76	24	3.9	17	1.5	--	--	--	14	32
JUN										
16...	66	21	3.2	15	1.7	0	53	43	13	25
JUL										
15...	120	39	5.5	26	3.0	0	97	80	20	40
AUG										
12...	120	38	5.2	24	2.8	0	79	65	19	40
23...	38	12	1.9	8.4	1.6	--	40	32	7.7	15
SEP										
09...	110	34	5.2	22	2.5	0	90	74	20	39

QUINNIPIAC RIVER BASIN

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 20...	0.20	15	216	218	4.29	0.010	4.30	4.30	<0.010	0.50
DEC 06...	<0.10	7.2	92	107	0.790	0.010	0.800	0.800	0.040	0.26
FEB 04...	<0.10	13	177	186	2.17	0.030	2.20	2.20	0.270	0.13
APR 18...	<0.10	9.8	159	162	1.57	0.030	1.60	1.60	0.060	0.24
JUN 16...	0.10	11	150	208	1.48	0.020	1.50	1.50	0.090	0.51
JUL 15...	0.20	15	224	242	4.24	0.160	4.40	4.40	0.510	0.39
AUG 12...	0.10	15	221	230	4.30	<0.010	4.30	4.30	0.040	0.46
23...	<0.10	8.0	90	--	0.630	0.010	0.640	0.640	0.030	0.47
SEP 09...	0.10	14	211	224	4.00	<0.010	4.00	4.00	0.030	0.27
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
OCT 20...	0.50	0.30	4.8	0.560	0.460	0.480	2	<1	100	<1
DEC 06...	0.30	<0.20	1.1	0.090	0.050	0.050	--	--	--	--
FEB 04...	0.40	0.40	2.6	0.170	0.180	0.150	--	--	--	--
APR 18...	0.30	0.30	1.9	0.110	0.100	0.090	--	--	--	--
JUN 16...	0.60	0.40	2.1	0.240	0.160	0.160	--	--	--	--
JUL 15...	0.90	0.80	5.3	0.590	0.560	0.560	--	--	--	--
AUG 12...	0.50	0.30	4.8	0.460	0.440	0.430	--	--	--	--
23...	0.50	0.30	1.1	0.120	0.050	0.050	--	--	--	--
SEP 09...	0.30	0.30	4.3	0.410	0.390	0.360	--	--	--	--

QUINNIPIAC RIVER BASIN

01196222 QUINNIPIAC RIVER NEAR MERIDEN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 20...	<1	<1.0	<1	3	<1	2	2	280	26	<1
DEC 06...	<1	<1.0	2	<1	--	5	3	660	160	3
FEB 04...	<1	<1.0	<1	<1	--	2	2	230	100	<1
APR 18...	<1	<1.0	<1	<1	--	2	2	260	130	<1
JUN 16...	<1	<1.0	2	<1	--	5	3	1100	190	3
JUL 15...	<1	<1.0	<1	<1	--	5	3	580	150	2
AUG 12...	<1	<1.0	1	<1	--	4	2	400	130	<1
23...	--	--	--	--	--	--	--	--	200	--
SEP 09...	<1	<1.0	1	<1	--	3	3	230	100	<1

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 20...	<1	4	2	3	2	<1.0	20	10	<1.0	4.0
DEC 06...	<1	81	--	3	2	--	40	12	--	6.8
FEB 04...	<1	110	--	2	1	--	20	21	--	2.7
APR 18...	<1	80	--	<1	2	--	20	16	--	3.8
JUN 16...	<1	100	--	2	1	--	30	10	--	7.0
JUL 15...	<1	130	--	2	<1	--	30	16	--	4.7
AUG 12...	<1	87	--	4	1	--	20	8	--	3.9
23...	--	25	--	--	--	--	--	--	--	--
SEP 09...	<1	51	--	3	3	--	20	15	--	3.6

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, Hydrologic Unit 01100004, on right bank on Wilbur Cross Highway, 0.8 mi downstream from bridge on Quinnipiac Street 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 and timber control. Datum of gage is 19.24 ft above sea level. Prior to Jan. 27, 1965, at datum 1.00 ft higher.

REMARKS.--Records good except for periods of estimated record, which are fair. Satellite telemetry at this station used for primary stage data. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	199	206	e130	e350	e210	533	224	116	119	111	137
2	72	151	164	146	e270	e200	472	275	114	92	98	125
3	90	111	150	148	e250	216	427	211	105	82	93	112
4	77	94	144	e140	e230	243	414	180	101	78	88	106
5	67	132	1170	e135	e215	243	381	179	97	75	92	103
6	62	154	1090	e130	e200	235	354	183	95	74	133	100
7	61	118	530	e128	e190	231	428	209	99	72	97	95
8	60	98	339	e126	e180	328	390	397	94	78	81	91
9	60	89	279	e124	e170	337	325	384	90	217	75	114
10	57	85	254	e122	e165	1090	323	257	87	128	71	110
11	55	83	351	e120	e160	1360	361	204	84	86	68	97
12	122	82	305	e118	e155	739	326	190	360	75	83	88
13	281	80	242	e116	e150	563	368	189	542	70	80	87
14	148	80	213	e114	e147	601	474	165	281	66	83	83
15	92	82	199	e112	e144	690	377	154	284	87	124	83
16	79	78	184	e111	e142	753	413	262	219	85	85	81
17	74	91	166	e110	e140	580	419	301	160	73	73	79
18	71	161	157	691	e160	459	329	257	130	68	770	143
19	67	184	195	e450	196	412	298	228	113	68	952	123
20	92	203	219	e300	288	390	286	220	102	66	445	90
21	143	141	414	e240	603	410	267	190	97	65	273	82
22	190	110	540	e190	704	1010	256	167	100	63	796	80
23	126	99	327	e170	491	1120	241	156	92	101	1020	946
24	94	93	257	e160	371	919	231	144	87	255	515	812
25	84	88	e215	171	e310	777	223	141	96	176	299	328
26	78	83	e185	e155	e270	644	214	147	95	124	242	206
27	80	81	e165	e140	e240	613	212	138	86	89	203	288
28	81	473	e150	976	e220	771	214	126	82	548	179	323
29	76	637	e140	1730	---	945	195	119	132	610	180	252
30	95	339	e135	902	---	871	187	114	176	260	163	177
31	176	---	e132	e450	---	628	---	112	---	139	144	---
TOTAL	2988	4499	9217	8855	7111	18588	9938	6223	4316	4189	7716	5541
MEAN	96.4	150	297	286	254	600	331	201	144	135	249	185
MAX	281	637	1170	1730	704	1360	533	397	542	610	1020	946
MIN	55	78	132	110	140	200	187	112	82	63	68	79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1994, BY WATER YEAR (WY)

	129	184	227	252	269	384	360	247	182	117	111	113
MEAN	129	184	227	252	269	384	360	247	182	117	111	113
MAX	554	658	564	890	611	792	1169	756	920	357	411	563
(WY)	1956	1956	1984	1979	1970	1953	1983	1989	1982	1972	1955	1938
MIN	45.5	47.6	57.9	52.0	101	164	107	88.1	61.4	37.5	27.1	41.7
(WY)	1931	1966	1966	1966	1934	1985	1966	1941	1957	1966	1966	1986

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1931 - 1994	
ANNUAL TOTAL	77093		89181			
ANNUAL MEAN	211		244		215	
HIGHEST ANNUAL MEAN					357	
LOWEST ANNUAL MEAN					84.6	
HIGHEST DAILY MEAN	1300	Mar 29	1730	Jan 29	7210	Jun 6 1982
LOWEST DAILY MEAN	42	Aug 15	55	Oct 11	9.0	Nov 2 1930
ANNUAL SEVEN-DAY MINIMUM	47	Aug 2	60	Oct 5	16	Aug 28 1966
INSTANTANEOUS PEAK FLOW			2550	Jan 28	8200	Jun 6 1982
INSTANTANEOUS PEAK STAGE			9.85	Jan 28	14.02	Jun 6 1982
INSTANTANEOUS LOW FLOW			52	Oct 12	8.0	Nov 2 1930
10 PERCENT EXCEEDS	429		541		418	
50 PERCENT EXCEEDS	148		160		149	
90 PERCENT EXCEEDS	59		80		60	

e Estimated

QUINNIPIAC RIVER BASIN

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.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 are available in the Connecticut office at Hartford, Conn.

EXTREMES FOR PERIOD OF 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)
OCT											
20...	1120	82	346	7.6	15.0	12.5	3.1	8.8	82	950	250
DEC											
06...	1130	1240	144	7.3	10.0	6.0	8.5	12.1	97	12000	4100
FEB											
04...	1145	--	338	7.7	-2.0	1.0	1.8	14.2	99	23000	3600
APR											
18...	1150	371	255	7.9	20.5	12.0	2.4	11.6	107	660	108
JUN											
01...	1215	113	350	6.9	21.5	19.0	--	8.4	91	--	--
16...	1030	237	240	7.4	31.0	21.5	2.8	8.0	90	600	115
JUL											
15...	1020	106	337	7.5	21.0	22.0	2.5	6.8	78	560	340
AUG											
09...	1745	73	340	6.9	25.5	23.0	--	10.5	122	--	--
12...	1000	104	355	7.6	26.0	21.0	1.6	8.8	98	2700	460
SEP											
09...	1020	104	348	8.0	28.5	18.5	1.5	10.8	115	220	33

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
20...	120	36	6.2	24	2.8	--	--	--	22	31
DEC										
06...	43	13	2.5	9.1	1.4	--	--	--	11	14
FEB										
04...	94	29	5.2	26	1.9	0	75	61	18	45
APR										
18...	76	24	3.9	17	1.5	--	--	--	14	32
JUN										
01...	110	34	5.8	22	2.6	--	92	75	18	40
16...	71	22	3.8	16	2.0	0	61	50	14	27
JUL										
15...	110	33	5.8	24	3.3	0	81	68	20	37
AUG										
09...	97	30	5.3	22	3.2	--	103	84	18	38
12...	110	34	6.0	25	3.3	0	82	67	19	38
SEP										
09...	110	35	6.1	23	2.8	--	--	--	20	40

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT										
20...	0.20	12	199	208	4.07	0.030	4.10	4.10	0.090	0.41
DEC										
06...	<0.10	7.2	93	119	0.780	0.010	0.790	0.790	0.110	0.49
FEB										
04...	<0.10	13	189	198	2.06	0.040	2.10	2.10	0.450	0.35
APR										
18...	<0.10	9.8	159	162	1.36	0.040	1.40	1.40	0.180	0.32
JUN										
01...	0.10	10	206	--	3.72	0.080	3.80	3.80	0.110	0.49
16...	0.10	10	156	170	1.65	0.050	1.70	1.70	0.140	0.46
JUL										
15...	0.20	11	195	218	4.15	0.050	4.20	4.20	0.100	0.50
AUG										
09...	0.20	9.3	200	--	3.37	0.030	3.40	3.40	0.020	0.38
12...	0.20	9.9	202	226	3.86	0.040	3.90	3.90	0.050	0.55
SEP										
09...	0.20	12	215	226	3.77	0.030	3.80	3.80	0.030	0.37
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
OCT										
20...	0.50	0.40	4.6	0.530	0.430	0.400	10	<1	100	<1
DEC										
06...	0.60	0.30	1.4	0.150	0.070	0.060	--	--	--	--
FEB										
04...	0.80	0.70	2.9	0.200	0.180	0.160	--	--	--	--
APR										
18...	0.50	0.30	1.9	0.140	0.100	0.100	--	--	--	--
JUN										
01...	0.60	0.50	4.4	0.430	0.390	0.380	--	--	--	--
16...	0.60	0.50	2.3	0.290	0.210	0.210	--	--	--	--
JUL										
15...	0.60	0.40	4.8	0.630	0.530	0.510	--	--	--	--
AUG										
09...	0.40	0.20	3.8	0.450	0.410	0.400	--	--	--	--
12...	0.60	0.30	4.5	0.520	0.430	0.450	--	--	--	--
SEP										
09...	0.40	0.40	4.2	0.420	0.370	0.340	--	--	--	--

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 20...	<1	<1.0	1	<1	<1	7	4	370	77	2
DEC 06...	<1	<1.0	4	<1	--	17	7	1000	160	5
FEB 04...	<1	<1.0	2	<1	--	5	3	280	130	<1
APR 18...	<1	<1.0	<1	<1	--	2	2	260	130	<1
JUN 01...	--	--	--	--	--	--	--	--	130	--
JUL 16...	<1	<1.0	3	<1	--	9	4	870	150	4
AUG 15...	<1	<1.0	4	<1	--	11	6	600	92	3
SEP 09...	--	--	--	--	--	--	--	--	77	--
12...	<1	<1.0	2	<1	--	8	5	390	57	2
09...	<1	<1.0	7	<1	--	5	3	290	51	<1

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 20...	<1	65	1	4	4	<1.0	20	11	<1.0	4.2
DEC 06...	<1	100	--	3	2	--	60	8	--	6.3
FEB 04...	<1	120	--	5	5	--	10	20	--	3.2
APR 18...	<1	80	--	2	2	--	20	16	--	5.0
JUN 01...	--	91	--	--	--	--	--	--	--	--
JUL 16...	<1	83	--	3	2	--	20	7	--	7.3
AUG 15...	<1	61	--	6	4	--	20	11	--	5.9
SEP 09...	--	36	--	--	--	--	--	--	--	--
12...	<1	47	--	6	4	--	10	9	--	4.8
09...	<1	48	--	9	8	--	10	5	--	3.6

QUINNIPIAC RIVER BASIN

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT

LOCATION.--Lat 41°23'24", long 72°52'19", New Haven County, Hydrologic Unit 01100004, at bridge on U.S. Highway 5, at North Haven, 2.3 mi downstream from Wharton Brook and 0.9 mi upstream from Watermans Brook.

DRAINAGE AREA.--128 mi².

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

REMARKS.--Stream tidal affected.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)
OCT 20...	0945	390	7.5	15.0	12.5	6.0	7.2	67	3000	280
DEC 06...	1015	154	7.4	10.0	5.5	6.9	11.0	87	30000	6600
FEB 04...	1015	333	7.5	-4.0	0.5	2.9	12.4	85	13000	2000
APR 18...	1055	260	7.6	19.0	11.0	1.7	9.5	86	4100	290
JUN 16...	0900	260	7.3	31.0	21.5	3.1	6.5	73	820	200
JUL 15...	0840	380	7.4	21.0	23.0	2.8	5.4	63	2100	2000
AUG 12...	0830	386	7.5	25.0	21.0	3.4	6.0	67	520	184
SEP 09...	0915	382	7.6	18.0	18.0	1.6	6.9	73	170	76

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 20...	110	35	6.5	34	2.7	--	--	--	26	38
DEC 06...	46	14	2.6	9.1	1.6	--	--	--	11	14
FEB 04...	94	29	5.3	27	2.0	--	--	--	19	46
APR 18...	77	24	4.2	19	1.7	--	--	--	14	32
JUN 16...	74	23	4.1	18	2.3	0	67	55	15	32
JUL 15...	110	34	6.2	30	3.6	0	90	73	24	43
AUG 12...	110	35	6.4	32	3.5	0	94	77	21	40
SEP 09...	120	36	6.4	29	3.0	0	106	87	23	43

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 20...	0.50	12	238	244	4.24	0.060	4.30	4.30	0.230	6.1
DEC 06...	<0.10	7.2	98	145	1.08	0.020	1.10	1.10	0.160	0.54
FEB 04...	0.80	13	187	226	2.44	0.060	2.50	2.50	0.660	1.5
APR 18...	0.10	9.4	160	184	1.46	0.040	1.50	1.50	0.500	1.3
JUN 16...	0.20	10	175	210	1.85	0.050	1.90	1.90	0.140	1.7
JUL 15...	0.30	11	232	284	4.29	0.110	4.40	4.40	0.240	3.5
AUG 12...	0.40	9.3	230	272	4.60	0.100	4.70	4.70	0.240	6.3
SEP 09...	0.30	12	239	252	4.13	0.070	4.20	4.20	0.160	4.5

QUINNIPIAC RIVER BASIN

01196530 QUINNIPIAC RIVER AT NORTH HAVEN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
OCT 20...	6.3	5.4	11	0.590	0.440	0.450	9	<1	99	<1
DEC 06...	0.70	0.70	1.8	0.190	0.090	0.100	--	--	--	--
FEB 04...	2.2	1.8	4.7	0.250	0.180	0.150	--	--	--	--
APR 18...	1.8	1.5	3.3	0.220	0.130	0.130	--	--	--	--
JUN 16...	1.8	1.5	3.7	0.470	0.250	0.250	--	--	--	--
JUL 15...	3.7	3.8	8.1	0.750	0.590	0.600	--	--	--	--
AUG 12...	6.5	5.5	11	0.650	0.560	0.580	--	--	--	--
SEP 09...	4.7	4.4	8.9	0.530	0.490	0.450	--	--	--	--
DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 20...	<1	<1.0	7	2	<1	8	5	440	110	2
DEC 06...	<1	<1.0	12	<1	--	22	8	1300	140	5
FEB 04...	<1	<1.0	73	20	--	9	--	670	110	1
APR 18...	<1	<1.0	2	<1	--	7	4	480	140	2
JUN 16...	<1	<1.0	19	<1	--	14	4	1300	120	7
JUL 15...	<1	<1.0	10	<1	--	14	5	830	93	5
AUG 12...	<1	<1.0	8	<1	--	13	6	680	67	3
SEP 09...	<1	<1.0	2	<1	--	6	4	270	46	<1
DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 20...	<1	99	4	12	11	<1.0	20	12	<1.0	10
DEC 06...	<1	86	--	6	2	--	60	6	--	6.4
FEB 04...	2	130	--	40	42	--	--	51	--	6.0
APR 18...	<1	88	--	5	5	--	20	9	--	6.4
JUN 16...	<1	100	--	10	4	--	30	3	--	8.2
JUL 15...	<1	99	--	14	10	--	30	10	--	10
AUG 12...	<1	100	--	21	17	--	30	11	--	11
SEP 09...	<1	64	--	6	5	--	10	7	--	10

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.

MILL RIVER BASIN

01196620 MILL RIVER NEAR HAMDEN, CT

LOCATION.--Lat 41°25'15", long 72°54'12", New Haven County, Hydrologic Unit 01100004, 150 ft downstream from bridge on Mount Carmel Avenue, 0.4 mi downstream from Eatons Brook, and 2.5 mi north of Hamden.

DRAINAGE AREA.--24.5 mi².

PERIOD OF RECORD.--October 1968 to September 1970, October 1978 to current year.

GAGE.--Water-stage recorder. 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 for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	32	31	e27	e65	e47	125	47	20	12	11	11
2	8.4	21	27	33	e56	e45	108	46	19	11	9.7	10
3	11	15	25	e32	e50	e50	98	38	17	10	9.4	9.7
4	9.4	14	24	e30	e46	e51	94	36	16	9.7	8.5	9.4
5	7.5	19	378	e29	e43	e52	82	38	15	9.3	10	9.1
6	7.0	28	198	e28	e41	e49	81	39	15	9.0	15	8.5
7	7.0	19	94	e27	e39	e48	101	40	16	8.6	9.1	8.2
8	6.9	15	69	e26	e37	e70	76	112	14	11	8.1	8.0
9	6.6	14	55	e25	e36	e74	67	69	13	14	7.5	10
10	5.9	13	55	e24	e35	e250	71	44	13	9.6	7.1	16
11	5.8	12	e70	e23	e34	e320	75	38	13	8.1	6.8	9.5
12	15	12	e55	e23	e33	e200	65	37	78	7.6	9.4	8.1
13	42	12	e45	e22	e32	e150	91	35	71	7.1	8.3	7.7
14	16	12	e40	e22	e31	e125	109	32	28	6.9	9.6	7.4
15	11	12	e35	e22	e30	182	73	31	27	14	10	7.5
16	9.6	13	e33	e21	e30	186	104	61	19	9.9	7.4	7.2
17	8.8	15	e31	e21	e29	135	90	56	17	7.9	7.0	7.3
18	8.0	22	e30	126	e38	108	69	48	15	7.6	170	15
19	7.4	23	e35	e80	e45	98	67	42	14	8.0	53	9.2
20	13	34	e40	e65	e70	92	59	41	12	7.1	22	7.5
21	20	20	e60	e52	e110	95	51	33	13	6.7	17	7.0
22	26	16	e100	e43	e150	357	49	29	13	6.2	92	7.1
23	16	15	63	e38	e90	262	46	31	12	14	78	210
24	11	14	51	e35	e75	232	46	27	12	25	27	78
25	10	13	e45	e39	e65	193	44	25	17	22	18	28
26	9.4	13	e40	e35	e58	154	43	25	13	12	15	19
27	10	13	e35	e32	e53	172	44	23	11	9.4	14	48
28	11	112	e32	e200	e49	230	41	22	11	112	17	40
29	8.9	124	e30	e270	---	248	39	20	13	59	16	26
30	10	46	e29	e95	---	190	39	19	17	19	14	18
31	27	---	e28	e80	---	144	---	18	---	13	12	---
TOTAL	374.9	743	1883	1625	1470	4609	2147	1202	584	486.7	718.9	667.4
MEAN	12.1	24.8	60.7	52.4	52.5	149	71.6	38.8	19.5	15.7	23.2	22.2
MAX	42	124	378	270	150	357	125	112	78	112	170	210
MIN	5.8	12	24	21	29	45	39	18	11	6.2	6.8	7.0
CFSM	.49	1.01	2.48	2.14	2.14	6.07	2.92	1.58	.79	.64	.95	.91
IN.	.57	1.13	2.86	2.47	2.23	7.00	3.26	1.83	.89	.74	1.09	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1994, BY WATER YEAR (WY)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	24.6	40.3	54.9	60.3	60.6	90.8	98.0	61.0	63.5	19.6	21.4	13.8				
MAX	123	99.1	192	258	108	183	317	169	411	58.2	70.0	29.0				
(WY)	1990	1990	1984	1979	1984	1983	1983	1989	1982	1984	1989	1989				
MIN	4.91	9.72	12.8	8.96	16.5	38.0	20.9	18.9	9.58	5.81	3.11	3.68				
(WY)	1987	1982	1983	1981	1980	1985	1985	1986	1988	1987	1981	1986				

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1979 - 1994

ANNUAL TOTAL	16825.8	16510.9	
ANNUAL MEAN	46.1	45.2	50.6
HIGHEST ANNUAL MEAN			85.1
LOWEST ANNUAL MEAN			18.7
HIGHEST DAILY MEAN	493	Mar 28	378
LOWEST DAILY MEAN	3.5	Sep 15	5.8
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 2	6.7
INSTANTANEOUS PEAK FLOW			648
INSTANTANEOUS PEAK STAGE			3.13
INSTANTANEOUS LOW FLOW			66.0
ANNUAL RUNOFF (CFSM)	1.88	1.85	2.07
ANNUAL RUNOFF (INCHES)	25.55	25.07	28.08
10 PERCENT EXCEEDS	97	102	102
50 PERCENT EXCEEDS	27	27	28
90 PERCENT EXCEEDS	5.4	8.3	6.6

a From contracted-opening measurement 0.7 miles downstream.

b From outside floodmarks at the gage.

c Also occurred on July 23.

e Estimated.

HOUSATONIC RIVER BASIN

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS. / 100 ML) (31616)	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT 13...	0950	332	378	8.2	6.0	9.0	1.9	9.7	86	1200	148
DEC 09...	1130	1610	223	8.0	4.0	3.0	4.0	12.3	93	130	74
FEB 03...	1230	1120	288	7.8	-4.0	0.0	1.7	12.6	89	660	110
03...	1235	--	288	7.8	-4.0	0.0	1.7	12.6	89	--	--
APR 21...	1340	2800	222	8.0	12.0	9.5	5.5	10.7	95	280	K4
21...	1342	--	222	8.0	12.0	9.5	--	10.7	95	--	--
JUN 15...	1230	423	346	8.1	28.0	22.5	0.80	7.8	92	190	21
JUL 13...	1030	165	400	8.1	35.0	24.5	1.8	7.7	95	110	46
AUG 04...	0930	304	311	8.2	27.0	24.0	1.9	8.0	97	170	45
SEP 15...	1220	180	385	8.2	22.5	19.5	0.50	8.6	95	220	52

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT 13...	140	36	13	25	1.9	0	160	131	22	27	<0.10
DEC 09...	96	25	8.2	9.7	0.90	--	--	--	12	13	<0.10
FEB 03...	110	29	9.6	14	1.2	--	--	--	13	22	<0.10
03...	110	29	9.6	14	1.3	--	--	--	12	22	<0.10
APR 21...	90	24	7.2	9.9	0.80	--	--	--	9.9	17	<0.10
21...	90	24	7.2	9.7	0.90	--	--	--	10	16	<0.10
JUN 15...	130	34	12	19	1.5	0	151	124	15	27	<0.10
JUL 13...	160	39	14	23	1.8	0	165	136	14	34	<0.10
AUG 04...	130	33	12	15	1.4	0	120	98	11	21	<0.10
SEP 15...	150	37	14	22	2.2	0	171	140	20	30	<0.10

HOUSATONIC RIVER BASIN

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 13...	0.90	212	216	0.610	0.060	0.670	0.670	0.030	0.47	0.50	0.30
DEC 09...	4.0	126	134	0.290	0.020	0.310	0.310	0.030	--	<0.20	<0.20
FEB 03...	4.9	158	160	0.490	0.020	0.510	0.510	0.080	0.22	0.30	0.30
03...	4.9	160	164	0.480	0.020	0.500	0.500	0.080	0.22	0.30	0.30
APR 21...	3.2	126	176	0.290	0.010	0.300	0.300	0.030	0.17	0.20	0.30
21...	3.2	128	158	0.290	0.010	0.300	0.300	0.030	0.17	0.20	<0.20
JUN 15...	2.7	182	190	0.580	0.030	0.610	0.610	0.050	0.45	0.50	0.40
JUL 13...	2.3	220	232	0.720	<0.010	0.720	0.720	0.010	0.39	0.40	0.20
AUG 04...	3.9	172	194	0.360	<0.010	0.360	0.360	0.040	0.56	0.60	0.30
SEP 15...	1.5	227	244	0.710	<0.010	0.710	0.710	0.030	0.37	0.40	0.30

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 13...	1.2	0.060	0.040	0.040	9	<1	14	<1	<1.0	1	<1
DEC 09...	--	0.040	<0.010	0.010	--	--	--	--	<1.0	<1	--
FEB 03...	0.81	0.040	0.030	<0.010	--	--	--	--	<1.0	<1	--
03...	0.80	0.030	0.030	<0.010	--	--	--	--	<1.0	<1	--
APR 21...	0.50	0.040	0.010	<0.010	--	--	--	--	<1.0	<1	--
21...	0.50	0.040	<0.010	<0.010	--	--	--	--	<1.0	<1	--
JUN 15...	1.1	0.060	0.020	<0.010	--	--	--	--	<1.0	<1	--
JUL 13...	1.1	0.070	0.030	0.020	--	--	--	--	<1.0	<1	--
AUG 04...	0.96	0.050	0.010	<0.010	--	--	--	--	<1.0	<1	--
SEP 15...	1.1	0.040	0.020	0.020	--	--	--	--	<1.0	<1	--

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 13...	2	38	<1	37	<1	1	<1.0	3	<1.0	5.6
DEC 09...	<1	70	<1	21	--	<1	--	<3	--	3.8
FEB 03...	<1	81	<1	28	--	<1	--	<3	--	3.4
03...	<1	80	<1	28	--	<1	--	<3	--	--
APR 21...	<1	47	<1	22	--	<1	--	4	--	3.4
21...	<1	46	<1	22	--	<1	--	4	--	--
JUN 15...	2	15	<1	20	--	<1	--	<3	--	4.3
JUL 13...	2	44	<1	39	--	<1	--	<3	--	4.1
AUG 04...	<1	68	<1	38	--	<1	--	<3	--	6.0
SEP 15...	2	67	<1	44	--	<1	--	5	--	4.2

HOUSATONIC RIVER BASIN

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: August 8, 1984

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, 27.0°C June 20, 1957, July 21, 22, 1980; minimum daily, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 24.5°C June 19, 20, July 10-12; minimum daily, 0.0°C on numerous days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.0	5.5	2.0	.0	.0	.0	1.0	13.0	16.0	20.0	21.0	18.0
2	11.0	5.0	2.0	.0	.0	.0	1.5	13.0	17.0	20.0	21.0	18.0
3	11.0	4.0	3.0	.0	.0	.0	3.5	11.5	17.0	21.0	21.0	16.5
4	11.0	4.0	3.0	.0	.0	.0	3.5	11.0	17.0	21.0	22.5	16.5
5	11.0	4.0	3.0	.0	.0	.0	4.5	11.0	17.0	21.0	22.5	16.0
6	11.0	4.5	3.0	.0	.0	.0	4.5	11.0	16.5	21.0	20.5	15.5
7	11.0	5.5	3.0	.0	.0	.0	4.5	11.0	17.0	22.5	20.0	15.5
8	11.0	5.0	3.0	.0	.0	.0	3.5	11.0	17.0	22.5	19.5	15.5
9	11.0	3.5	3.0	.0	.0	.0	3.5	11.0	17.0	23.5	20.0	15.5
10	11.0	3.0	3.0	.0	.0	.0	3.5	11.0	18.0	24.5	20.5	16.5
11	10.5	2.5	3.0	.0	.0	.0	3.5	13.0	18.0	24.5	20.5	16.5
12	10.5	3.0	1.0	.0	.0	.0	4.0	13.0	18.0	24.5	20.0	16.5
13	10.0	3.0	.5	.0	.0	.0	4.5	11.5	18.0	23.5	20.5	15.5
14	6.5	4.5	.5	.0	.0	.0	4.5	11.0	18.0	22.5	20.0	16.0
15	6.5	5.0	.5	.0	.0	.0	4.5	11.5	18.0	23.0	20.0	16.5
16	6.5	5.5	1.0	.0	.0	.0	4.5	11.0	20.0	23.0	19.5	16.5
17	8.0	5.5	1.0	.0	.0	.0	8.0	11.0	21.0	23.0	19.5	16.5
18	9.0	6.0	.0	.0	.0	.0	7.5	11.0	23.5	23.5	19.0	16.5
19	10.0	5.0	.0	.0	.0	.0	8.0	11.0	24.5	22.5	18.0	16.5
20	10.0	4.5	.0	.0	.0	.5	8.0	11.0	24.5	22.5	18.5	16.5
21	9.5	3.5	.0	.0	.0	1.0	8.0	12.0	23.5	23.5	19.0	16.0
22	9.0	2.5	.0	.0	.0	1.5	8.0	12.5	23.5	23.5	16.5	16.0
23	9.0	2.5	.0	.0	.0	1.5	8.0	13.5	21.0	23.5	17.5	15.5
24	8.0	2.5	.0	.0	.0	1.5	9.0	14.5	21.0	23.0	16.5	15.5
25	8.0	2.5	.0	.0	.0	2.0	9.0	15.0	22.5	23.0	16.5	15.5
26	8.0	1.0	.0	.0	.0	2.0	9.5	17.0	20.0	23.0	16.5	15.5
27	8.0	1.0	.0	.0	.0	1.5	11.0	16.0	20.5	23.0	18.0	15.0
28	8.0	3.0	.0	.0	.0	1.0	13.0	16.0	21.0	23.0	19.0	14.5
29	7.0	5.0	.0	.0	---	1.0	13.0	16.0	21.0	20.0	19.0	14.0
30	6.5	4.5	.0	.0	---	1.5	13.5	16.0	21.0	20.5	19.0	14.0
31	6.5	---	.0	.0	---	2.0	---	16.0	---	20.5	19.0	---
MEAN	9.0	4.0	1.0	.0	.0	.5	6.5	12.5	19.5	22.5	19.5	16.0
WTR YR 1994	MEAN	9.5	MAX	24.5	MIN	.0						

HOUSATONIC RIVER BASIN

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CT

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

DRAINAGE AREA.--634 mi².

PERIOD OF RECORD.--Discharge: July 1912 to current year.

Water-quality records: Water years 1974-80.

REVISED RECORDS.--WSP 781: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 529.06 ft above sea level (levels by Corps of Engineers). Prior to Oct. 26, 1964, at site 0.6 mi downstream at datum 6.72 ft lower.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. 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 regulation does not affect monthly runoff appreciably.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	819	2390	732	1430	976	3450	1350	652	667	591	380
2	417	1080	1750	767	1300	981	3560	1520	639	505	529	375
3	240	998	1420	752	1070	882	3630	1570	596	452	474	300
4	472	822	1440	731	977	872	4280	1430	545	266	441	320
5	374	780	1930	685	894	867	4710	1220	506	316	403	307
6	360	824	3070	643	881	820	4760	1130	468	298	386	285
7	366	877	2810	624	771	795	5080	1110	571	290	329	219
8	225	862	2330	600	715	903	5550	1290	705	306	284	270
9	311	755	1890	617	664	1240	5380	1820	555	257	330	259
10	258	615	1660	582	643	1560	4840	1700	496	305	274	257
11	240	634	1660	556	639	2970	4890	1430	416	305	256	243
12	374	584	1760	565	638	3260	4760	1400	449	301	282	310
13	425	590	1670	602	641	3030	4800	1260	552	296	221	274
14	594	563	1420	606	548	2710	5870	1360	601	359	239	224
15	510	623	1200	559	621	2520	6100	1140	667	284	343	227
16	428	697	1310	515	642	2540	5990	1290	576	230	398	249
17	392	646	1240	479	595	2350	6060	1920	487	225	404	278
18	336	743	1240	474	591	2070	5550	2290	377	199	406	277
19	282	1160	927	604	596	1890	4800	2090	411	247	840	402
20	344	1150	1010	589	656	1720	3950	1780	420	230	830	277
21	559	1100	1290	541	1160	1630	3220	1590	358	267	634	250
22	785	838	2220	522	1590	2000	2630	1350	333	343	934	234
23	777	824	2330	515	1760	2780	2190	1260	348	1370	1860	297
24	645	804	1780	478	1590	3290	1900	1200	335	1650	1480	432
25	559	751	1500	516	1400	3660	1690	1020	325	1060	1000	422
26	491	646	1220	499	1290	3690	1600	911	333	761	708	379
27	419	664	809	415	1070	3540	1480	994	329	1050	680	356
28	489	1260	788	572	956	3900	1560	1030	329	1060	540	461
29	453	3230	783	1340	---	4260	1500	827	345	1080	572	1190
30	469	3070	780	1550	---	4070	1420	847	664	821	478	1140
31	700	---	733	1520	---	3610	---	713	---	712	555	---
TOTAL	13664	29009	48360	20750	26328	71386	117200	41842	14388	16512	17701	10894
MEAN	441	967	1560	669	940	2303	3907	1350	480	533	571	363
MAX	785	3230	3070	1550	1760	4260	6100	2290	705	1650	1860	1190
MIN	225	563	733	415	548	795	1420	713	325	199	221	219
CFSM	.70	1.53	2.46	1.06	1.48	3.63	6.16	2.13	.76	.84	.90	.57
IN.	.80	1.70	2.84	1.22	1.54	4.19	6.88	2.46	.84	.97	1.04	.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1994, BY WATER YEAR (WY)

MEAN	605	942	1096	1094	1088	1945	2468	1396	879	562	512	508
MAX	2657	3795	3151	4490	2790	5291	5207	2892	3143	2302	2509	3543
(WY)	1956	1928	1974	1949	1976	1936	1940	1984	1984	1945	1955	1938
MIN	122	117	131	189	267	669	756	541	277	170	157	130
(WY)	1915	1915	1915	1981	1920	1965	1985	1941	1964	1965	1913	1964

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1913 - 1994

ANNUAL TOTAL	415987	428034	1090
ANNUAL MEAN	1140	1173	1928
HIGHEST ANNUAL MEAN			1782
LOWEST ANNUAL MEAN			403
HIGHEST DAILY MEAN	9000	Apr 1	23700
LOWEST DAILY MEAN	136	Sep 25	24
ANNUAL SEVEN-DAY MINIMUM	141	Aug 29	73
INSTANTANEOUS PEAK FLOW		c6190	23900
INSTANTANEOUS PEAK STAGE		7.62	a19.40
INSTANTANEOUS LOW FLOW		86	b
ANNUAL RUNOFF (CFSM)	1.80	1.85	1.72
ANNUAL RUNOFF (INCHES)	24.41	25.11	23.36
10 PERCENT EXCEEDS	3320	2790	2400
50 PERCENT EXCEEDS	594	715	720
90 PERCENT EXCEEDS	177	294	230

a Present datum, from floodmarks.

b Practically no flow at times when power plant was shut down.

c Also occurred on Apr. 15.

HOUSATONIC RIVER BASIN

01199050 SALMON CREEK AT LIME ROCK, CT

LOCATION.--Lat 41°56'32", long 73°23'29", Litchfield County, Hydrologic Unit 01100005, on left bank 300 ft upstream from bridge on Uptown Salisbury Road, 0.6 mi north of Lime Rock, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--29.4 mi².

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.37 ft above sea level.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Satellite telemetry at this station used for primary stage data.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	77	75	e48	e200	e48	184	60	23	23	44	36
2	11	63	68	e45	e170	e44	189	55	23	15	39	33
3	17	53	65	e43	e150	e40	183	49	22	13	41	30
4	15	49	63	e43	e125	e37	244	46	20	12	44	27
5	12	49	184	e40	e110	e34	199	44	18	11	40	25
6	11	63	168	e38	e94	e32	198	45	18	9.9	40	23
7	10	53	106	e37	e86	e32	238	48	37	11	31	22
8	10	46	93	e36	e80	e30	187	95	26	12	27	20
9	9.9	44	83	e34	e76	e50	140	69	20	11	24	24
10	9.6	42	82	e33	e72	148	154	53	17	9.7	22	26
11	9.5	41	100	e32	e67	181	224	50	16	8.5	20	19
12	12	41	78	e31	e65	125	165	56	30	9.2	20	18
13	25	39	74	e29	e64	110	196	61	32	11	23	17
14	17	43	76	e28	e63	113	317	50	28	38	35	18
15	15	49	78	e27	e61	122	211	46	27	16	30	18
16	14	41	78	e26	e59	131	212	70	20	14	21	19
17	14	27	72	e25	73	105	218	70	17	12	18	18
18	13	51	68	e24	62	100	163	59	16	13	65	22
19	13	39	68	e24	44	95	149	58	14	13	50	19
20	21	38	69	e23	43	88	135	58	13	11	37	18
21	30	34	110	e22	76	86	120	48	12	11	33	16
22	27	30	133	e22	96	155	89	44	13	9.4	139	16
23	20	28	96	e21	77	174	83	41	11	175	115	38
24	17	28	e80	e21	e66	200	75	39	11	81	69	34
25	15	27	e72	e20	e60	214	67	38	14	44	55	25
26	14	24	e67	e20	e54	189	66	40	13	40	48	22
27	14	24	e62	e20	e52	185	63	44	11	70	68	30
28	24	128	e59	106	e50	250	61	36	12	117	50	80
29	31	192	e55	358	---	239	56	34	13	91	58	54
30	35	96	e53	e280	---	197	54	30	18	60	44	44
31	65	---	e50	e250	---	175	---	27	---	54	37	---
TOTAL	562.0	1559	2585	1806	2295	3729	4640	1563	565	1025.7	1387	811
MEAN	18.1	52.0	83.4	58.3	82.0	120	155	50.4	18.8	33.1	44.7	27.0
MAX	65	192	184	358	200	250	317	95	37	175	139	80
MIN	9.5	24	50	20	43	30	54	27	11	8.5	18	16
CFSM	.62	1.77	2.84	1.98	2.79	4.09	5.26	1.71	.64	1.13	1.52	.92
IN.	.71	1.97	3.27	2.29	2.90	4.72	5.87	1.98	.71	1.30	1.75	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1994, BY WATER YEAR (WY)

	MEAN	31.6	40.8	52.4	47.8	56.5	85.9	94.7	60.4	40.9	25.0	23.6	20.7
MAX	100	86.8	155	130	134	194	173	181	118	90.0	95.1	72.6	
(WY)	1978	1976	1984	1979	1982	1977	1993	1984	1972	1975	1976	1975	
MIN	6.99	5.56	8.07	4.97	8.91	29.4	26.6	20.6	9.50	5.27	4.86	3.48	
(WY)	1965	1965	1981	1981	1980	1965	1985	1965	1964	1993	1964	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1962 - 1994

ANNUAL TOTAL	18615.9	22527.7	48.3	
ANNUAL MEAN	51.0	61.7	73.3	1976
HIGHEST ANNUAL MEAN			15.9	1965
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	548	Mar 30	358	Jan 29
LOWEST DAILY MEAN	3.4	Aug 10	8.5	Jul 11
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 6	10	Jul 6
INSTANTANEOUS PEAK FLOW			530	Jan 29
INSTANTANEOUS PEAK STAGE			3.28	Jan 29
INSTANTANEOUS LOW FLOW			7.6	Jul 12
ANNUAL RUNOFF (CFSM)	1.73		2.10	
ANNUAL RUNOFF (INCHES)	23.55		28.50	
10 PERCENT EXCEEDS	133		154	100
50 PERCENT EXCEEDS	26		43	32
90 PERCENT EXCEEDS	5.3		13	8.8

e Estimated

HOUSATONIC RIVER BASIN

01199900 TENMILE RIVER AT SOUTH DOVER NEAR WINGDALE, NY

LOCATION.--Lat 41°39'46", long 73°33'35", Dutchess County, NY, Hydrologic Unit 01100005, at bridge on Regan's Mill Rd., 0.6 mi north of Webatuck, NY, and 2.1 mi upstream from gaging station 01200000.

DRAINAGE AREA.--194 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	
OCT												
21...	1110	102	464	8.1	13.0	11.0	1.2	9.9	91	110	138	
NOV												
29...	1122	1100	239	7.9	6.5	6.5	--	11.4	93	--	--	
DEC												
15...	1215	466	313	8.1	7.0	3.0	2.0	12.8	97	44	35	
JAN												
27...	1115	160	396	8.2	-9.5	0.0	--	14.2	96	--	--	
FEB												
15...	1115	308	402	8.0	-2.5	0.0	0.90	14.0	96	31	25	
MAR												
23...	1245	1740	232	8.0	20.5	3.0	--	13.1	99	--	--	
31...	1200	1700	256	8.1	13.0	3.0	--	13.5	101	--	--	
APR												
11...	1030	1210	269	8.1	19.0	7.0	5.8	11.4	93	640	200	
26...	1100	457	319	8.0	17.0	12.0	--	10.4	97	--	--	
MAY												
26...	0945	220	365	8.2	21.0	8.5	--	11.9	104	--	--	
JUN												
13...	0930	339	344	7.3	29.5	17.0	--	8.2	86	--	--	
22...	1015	88	326	7.2	25.0	20.0	1.0	8.6	96	960	720	
JUL												
26...	0925	160	360	8.1	25.0	22.5	4.2	7.9	93	540	480	
AUG												
17...	0800	109	415	6.3	16.5	18.0	--	8.2	86	--	--	
22...	0950	--	388	8.2	19.0	19.5	--	8.1	90	--	--	
29...	1040	255	362	8.2	20.0	20.0	--	7.8	87	--	--	
SEP												
19...	1200	94	416	8.5	27.0	17.0	1.0	11.3	118	200	37	
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT												
21...	220	52	21	14	2.6	0	223	183	31	22	<0.10	
NOV												
29...	110	26	10	6.4	3.3	0	105	86	20	13	<0.10	
DEC												
15...	140	34	13	8.1	1.7	0	147	120	20	15	<0.10	
JAN												
27...	180	44	17	12	1.9	0	192	157	21	22	<0.10	
FEB												
15...	170	42	16	11	1.8	0	176	144	19	19	<0.10	
MAR												
23...	100	25	10	7.2	1.7	0	108	89	12	15	<0.10	
31...	110	26	10	7.3	1.4	0	114	93	14	15	<0.10	
APR												
11...	120	29	11	7.8	1.6	0	126	103	13	14	<0.10	
26...	150	38	14	8.9	1.6	1	157	130	14	18	<0.10	
MAY												
26...	160	39	15	9.6	1.6	0	180	148	14	18	<0.10	
JUN												
13...	--	--	--	--	--	--	157	129	--	--	--	--
22...	190	45	18	13	2.0	0	171	140	14	24	<0.10	
JUL												
26...	170	41	16	9.3	2.1	0	195	159	12	17	<0.10	
AUG												
17...	190	45	18	12	2.5	--	206	169	12	22	<0.10	
22...	160	39	15	9.2	2.3	--	--	--	10	16	<0.10	
29...	170	41	16	9.6	1.8	0	195	160	12	17	<0.10	
SEP												
19...	190	46	19	11	2.7	0	223	183	15	21	<0.10	

HOUSATONIC RIVER BASIN

01199900 TENMILE RIVER AT SOUTH DOVER NEAR WINGDALE, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT											
21...	5.8	259	268	0.430	<0.010	0.430	0.430	0.010	0.19	0.20	<0.20
NOV											
29...	5.2	165	--	0.400	0.010	0.410	0.410	0.040	0.96	1.0	0.20
DEC											
15...	6.0	173	183	0.910	<0.010	0.910	0.910	0.030	0.17	0.20	<0.20
JAN											
27...	6.4	224	--	1.09	0.010	1.10	1.10	0.050	--	<0.20	<0.20
FEB											
15...	6.8	210	224	1.09	0.010	1.10	1.10	0.050	--	<0.20	<0.20
MAR											
23...	4.4	137	--	0.850	0.010	0.860	0.860	0.060	0.44	0.50	<0.20
31...	4.4	141	--	0.780	0.030	0.810	0.810	0.030	--	<0.20	<0.20
APR											
11...	3.8	154	206	0.630	0.010	0.640	0.640	0.030	0.27	0.30	<0.20
26...	2.7	185	--	0.570	0.010	0.580	0.580	0.010	--	<0.20	<0.20
MAY											
26...	2.4	204	--	0.590	0.010	0.600	0.600	0.020	0.28	0.30	0.30
JUN											
13...	--	--	--	0.520	0.020	0.540	0.540	0.100	0.70	0.80	0.40
22...	7.1	236	--	0.840	0.020	0.860	0.860	0.040	0.26	0.30	0.20
JUL											
26...	7.1	215	226	0.560	<0.010	0.560	0.560	0.020	0.28	0.30	0.30
AUG											
17...	4.7	231	--	0.520	<0.010	0.520	0.520	0.030	0.27	0.30	<0.20
22...	6.9	207	--	0.480	<0.010	0.480	0.480	0.040	0.36	0.40	<0.20
29...	6.9	204	--	0.530	<0.010	0.530	0.530	0.020	--	<0.20	0.20
SEP											
19...	4.0	239	208	0.510	0.010	0.520	0.520	0.020	0.18	0.20	<0.20

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT											
21...	0.63	0.020	0.030	<0.010	7	<1	15	<1	<1.0	2	<1
NOV											
29...	1.4	0.150	<0.010	0.020	--	--	--	--	--	--	--
DEC											
15...	1.1	0.030	<0.010	<0.010	--	--	--	--	<1.0	<1	--
JAN											
27...	--	0.030	0.020	<0.010	--	--	--	--	--	--	--
FEB											
15...	--	0.020	0.010	<0.010	--	--	--	--	<1.0	<1	--
MAR											
23...	1.4	0.120	0.020	0.020	--	--	--	--	--	--	--
31...	--	0.030	<0.010	<0.010	--	--	--	--	--	--	--
APR											
11...	0.94	0.050	0.020	<0.010	--	--	--	--	<1.0	<1	--
26...	--	<0.010	<0.010	<0.010	--	--	--	--	--	--	--
MAY											
26...	0.90	0.040	<0.010	<0.010	--	--	--	--	--	--	--
JUN											
13...	1.3	0.130	0.020	0.020	--	--	--	--	--	--	--
22...	1.2	0.050	0.020	0.030	--	--	--	--	<1.0	<1	--
JUL											
26...	0.86	0.050	0.020	0.020	--	--	--	--	<1.0	<1	--
AUG											
17...	0.82	0.030	<0.010	<0.010	--	--	--	--	--	--	--
22...	0.88	0.050	0.030	0.030	--	--	--	--	--	--	--
29...	--	0.020	0.020	0.020	--	--	--	--	--	--	--
SEP											
19...	0.72	0.020	0.020	<0.010	--	--	--	--	<1.0	<1	--

HOUSATONIC RIVER BASIN

01199900 TENMILE RIVER AT SOUTH DOVER NEAR WINGDALE, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
OCT 21...	1	39	<1	19	<1	2	<1.0	2	<1.0	4.0	0.2
NOV 29...	--	120	--	16	--	--	--	--	--	5.4	2.7
DEC 15...	<1	29	<1	15	--	<1	--	<3	--	2.5	0.3
JAN 27...	--	32	--	35	--	--	--	--	--	2.2	0.2
FEB 15...	<1	35	<1	27	--	<1	--	<3	--	1.8	0.2
MAR 23...	--	30	--	19	--	--	--	--	--	2.5	1.4
31...	--	19	--	7	--	--	--	--	--	2.2	0.5
APR 11...	<1	23	<1	8	--	<1	--	<3	--	2.7	1.4
26...	--	30	--	14	--	--	--	--	--	2.2	0.2
MAY 26...	--	46	--	19	--	--	--	--	--	2.9	0.3
JUN 13...	--	--	--	--	--	--	--	--	--	--	--
22...	1	31	<1	16	--	<1	--	<3	--	3.2	--
JUL 26...	<1	57	<1	14	--	<1	--	5	--	4.0	0.7
AUG 17...	--	54	--	10	--	--	--	--	--	--	--
22...	--	48	--	9	--	--	--	--	--	4.8	2.1
29...	--	43	--	13	--	--	--	--	--	3.7	0.5
SEP 19...	<1	33	<1	9	--	<1	--	<3	--	3.2	0.3

HOUSATONIC RIVER BASIN

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. Highway 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.

REVISSED RECORDS.--WDR CT-83-1: Drainage area

gauge on covered bridge 0.6 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Ordinary flow regulated by power plant upstream. High flow is regulated by flood-control reservoirs from 20.5 mi² in the Blackberry River basin, but does not affect monthly runoff appreciably.

reservoirs from 20.5 mi. in the Blackberry River basin, but does not affect monthly runoff appreciably.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1854 reached a stage of 21 ft 3 in, former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938, reached a stage of 14.5 ft. from floodmarks, at present site, discharge, 37,000 ft³/s, by computation of peak flow over dam 2.5 mi upstream adjusted for flow from intervening area.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	583	1120	3620	1490	2840	1700	6030	2040	1020	1340	1020	853
2	478	1400	2760	1350	2750	1690	5990	2120	1020	1060	906	626
3	549	1330	2270	1300	2260	1590	5930	2220	936	740	897	614
4	402	1190	2060	1190	2260	1520	6670	2080	878	577	890	631
5	560	1030	4140	1240	1860	1500	6910	1820	809	553	735	537
6	475	1160	5430	1360	1740	1450	6750	1690	764	522	719	516
7	448	1130	4660	1190	1460	1420	7170	1690	848	490	648	502
8	426	1110	3860	1110	1400	1540	7460	2120	921	471	491	421
9	257	1020	3160	1270	1390	1980	7080	2640	906	579	465	444
10	323	892	2760	1210	1590	2930	6690	2450	818	458	489	468
11	320	926	2930	1150	1630	4880	7190	2130	703	490	430	505
12	412	825	2820	1090	1510	5120	6620	2000	840	465	411	431
13	538	850	2530	1020	1270	4890	6940	1900	1270	341	417	459
14	640	821	2270	1090	1230	4670	9060	1980	1180	528	575	423
15	664	850	2070	1180	1260	4600	8700	1690	1510	651	541	392
16	579	821	2050	1430	1120	4740	8560	2080	1180	462	612	388
17	563	945	1930	1670	1190	4110	8740	2150	961	332	690	435
18	492	948	1900	1180	1020	3560	7780	3720	719	376	916	514
19	415	1340	1590	1320	1060	3230	6860	2990	655	378	1220	566
20	392	1450	1670	1720	1130	2950	5890	2650	742	374	1350	506
21	567	1410	2530	1780	1980	2790	4880	2320	661	389	1120	416
22	871	1240	3770	1520	3710	4120	4030	2040	540	474	1790	346
23	973	1030	3640	1400	3240	5740	3360	1830	554	1310	2870	371
24	918	1040	2920	994	2950	6650	2960	1760	611	2360	2460	710
25	706	1010	2480	908	2510	7100	2690	1520	639	1650	1800	661
26	714	940	2130	992	2210	6830	2490	1420	631	1160	1440	637
27	616	898	1500	1200	1970	6670	2400	1790	582	1250	1200	571
28	611	2370	1640	1190	1780	7530	2320	1610	584	1570	1020	947
29	590	4930	1540	2750	---	7820	2290	1370	556	1830	979	1250
30	611	4540	1460	3550	---	7270	2150	1330	772	1300	1070	1440
31	748	---	1610	3110	---	6430	---	1130	---	1200	789	---
TOTAL	17441	40566	81700	44954	52320	129020	172590	62280	24810	25680	30960	17580
MEAN	563	1352	2635	1450	1869	4162	5753	2009	827	828	999	586
MAX	973	4930	5430	3550	3710	7820	9060	3120	1510	2360	2870	1440
MIN	257	821	1460	908	1020	1420	2150	1130	540	332	411	346
CFSM	.56	1.36	2.65	1.46	1.88	4.18	5.78	2.02	.83	.83	1.00	.59
IN.	.65	1.52	3.05	1.68	1.95	4.82	6.45	2.33	.93	.96	1.16	.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

MEAN	913	1423	1734	1775	1871	3055	3577	2208	1436	847	752	632
MAX	4500	5024	4835	6599	4398	6529	6685	5079	4538	3323	4433	2297
(WY)	1956	1956	1974	1949	1976	1977	1993	1989	1984	1972	1955	1975
MIN	203	203	411	288	592	1037	972	810	389	236	213	182
(WY)	1965	1965	1965	1981	1980	1965	1985	1965	1964	1965	1964	1964

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1941 - 1994
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ANNUAL TOTAL	642765		699901			
ANNUAL MEAN	1761		1918		1683	
HIGHEST ANNUAL MEAN					2426	1976
LOWEST ANNUAL MEAN					572	1965
HIGHEST DAILY MEAN	12800	Apr 1	9060	Apr 14	38800	Aug 19 1955
LOWEST DAILY MEAN	161	Jul 22	257	Oct 9	60	Aug 31 1944
ANNUAL SEVEN-DAY MINIMUM	174	Aug 10	380	Oct 6	104	Aug 18 1981
INSTANTANEOUS PEAK FLOW			9160	Apr 14	51800	Aug 19 1955
INSTANTANEOUS PEAK STAGE			8.32	Apr 14	18.58	Aug 19 1955
INSTANTANEOUS LOW FLOW			6161	Oct 19	630	Oct 28 1914
ANNUAL RUNOFF (CFSM)	1.77		1.93		1.69	
ANNUAL RUNOFF (INCHES)	24.01		26.14		22.96	
10 PERCENT EXCEEDS	5150		4700		3670	
50 PERCENT EXCEEDS	940		1260		1130	
90 PERCENT EXCEEDS	221		475		334	

^a Also occurred on Sept. 20, 1949.

b Site and datum then in use.

c Also occurred on July 20, 1994.

HOUSATONIC RIVER BASIN

01201487 STILL RIVER AT RT 7 AT BROOKFIELD CENTER, CT

LOCATION.--Lat 41°27'58", long 73°24'13", Fairfield County, Hydrologic Unit 01100005, on the upstream side of Route 7 South Bridge, approximately 800 ft upstream of Silvermine Road.

DRAINAGE AREA.--62.3 mi².

PERIOD OF RECORD.--October 1983 to present.

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
NOV 16...	1335	41	508	8.0	12.5	11.0	1.8	10.2	92	540	136
JAN 18...	1400	--	630	7.6	-10.0	0.0	8.3	13.9	97	760	740
MAR 11...	1250	--	241	7.6	1.5	4.5	7.6	13.1	102	430	440
MAY 23...	1300	115	400	7.8	31.0	18.0	--	8.3	89	130	46
JUN 06...	1130	45	525	7.7	22.0	18.0	1.0	7.3	78	640	180
JUN 06...	1131	45	540	7.7	22.0	18.0	1.0	7.3	78	--	--
JUL 25...	1120	98	344	7.6	30.0	23.5	3.7	7.3	87	2000	1180
AUG 05...	1245	59	475	7.7	27.0	23.0	1.7	6.8	81	2500	3300
AUG 30...	1445	78	423	6.4	23.0	18.5	--	9.1	98	--	--
SEP 12...	1215	102	487	8.0	23.0	16.0	1.2	9.8	100	580	140
DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 16...	180	46	15	32	5.1	0	161	132	34	48	0.20
JAN 18...	97	26	7.8	77	2.8	--	--	--	18	140	<0.10
MAR 11...	62	16	5.3	19	1.9	--	--	--	12	36	<0.10
MAY 23...	140	35	12	24	2.4	0	114	93	19	45	<0.10
JUN 06...	170	44	14	34	5.0	0	136	111	27	65	0.20
JUN 06...	170	43	14	34	4.5	--	--	--	27	65	0.30
JUL 25...	130	33	11	22	3.5	0	115	94	17	38	0.20
AUG 05...	160	42	14	33	4.3	0	150	123	23	54	0.20
AUG 30...	140	38	12	25	3.3	--	139	114	19	41	0.10
SEP 12...	170	43	15	34	5.4	0	144	118	27	65	0.30

HOUSATONIC RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
16...	8.8	298	306	4.88	0.020	4.90	4.90	0.030	0.57	0.60	0.50
JAN											
18...	6.1	341	392	1.68	0.020	1.70	1.70	0.280	0.0	0.20	0.50
MAR											
11...	6.0	135	188	0.950	0.010	0.960	0.960	0.110	0.29	0.40	0.30
MAY											
23...	7.4	236	246	1.78	0.020	1.80	1.80	0.080	0.42	0.50	0.30
JUN											
06...	8.5	304	290	4.66	0.040	4.70	4.70	0.110	0.59	0.70	0.60
06...	8.2	320	280	5.25	0.050	5.30	5.30	0.120	0.58	0.70	0.50
JUL											
25...	9.2	215	242	1.88	0.020	1.90	1.90	0.080	0.52	0.60	0.30
AUG											
05...	8.4	279	310	3.38	0.020	3.40	3.40	0.080	0.42	0.50	0.50
30...	9.4	231	--	2.49	0.010	2.50	2.50	0.050	0.35	0.40	0.30
SEP											
12...	7.7	309	328	5.18	0.020	5.20	5.20	0.060	0.44	0.50	0.40

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTH, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV										
16...	5.5	0.640	0.550	0.570	<1	<1.0	2	<1	4	3
JAN										
18...	1.9	0.020	0.060	0.080	<1	<1.0	4	<1	10	3
MAR										
11...	1.4	0.130	0.050	0.050	<1	<1.0	3	<1	9	2
MAY										
23...	2.3	0.090	0.040	0.040	<1	<1.0	3	<1	5	2
JUN										
06...	5.4	0.140	0.070	0.060	<1	<1.0	3	<1	4	3
06...	6.0	0.110	0.060	0.040	<1	<1.0	<1	<1	4	3
JUL										
25...	2.5	0.180	0.110	0.050	<1	<1.0	2	<1	6	3
AUG										
05...	3.9	0.150	0.100	0.090	<1	<1.0	1	<1	5	3
30...	2.9	0.070	0.060	0.050	--	--	--	--	--	--
SEP										
12...	5.7	0.120	0.100	0.090	<1	<1.0	<1	<1	4	3

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
16...	310	130	<1	<1	59	2	2	10	6	5.0
JAN										
18...	1400	110	7	1	84	2	1	50	19	5.2
MAR										
11...	1600	79	6	<1	47	2	1	30	12	5.1
MAY										
23...	840	140	3	<1	92	2	<1	20	9	--
JUN										
06...	490	20	1	<1	130	3	1	20	10	--
06...	450	24	1	<1	130	1	2	20	7	4.1
JUL										
25...	920	180	2	<1	71	2	<1	20	<3	6.7
AUG										
05...	560	110	2	<1	76	3	2	10	7	5.4
30...	--	140	--	--	48	--	--	--	--	--
SEP										
12...	240	75	<1	<1	92	3	2	<10	8	4.4

HOUSATONIC RIVER BASIN

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 RECORD.--

WATER TEMPERATURES: Maximum, 25.0°C Aug. 17, 1959; minimum, 0.0°C Dec. 14, 1958.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS. / 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	
NOV													
16...	1100	145	123	8.1	11.5	7.5	0.90	12.9	107	48	26	46	
JAN													
12...	1045	370	125	7.6	-3.0	0.0	1.2	14.2	97	80	20	46	
MAR													
11...	1030	1120	89	7.4	0.0	3.0	2.7	14.3	108	980	140	25	
MAY													
18...	1145	335	96	7.9	20.0	13.0	1.1	11.1	107	30	28	32	
JUN													
06...	0830	39	132	7.7	29.0	17.0	0.40	9.5	99	190	144	41	
JUL													
25...	0900	72	123	7.6	28.5	18.5	2.0	9.5	103	400	600	41	
AUG													
05...	1020	130	127	7.8	27.0	23.0	1.8	8.6	102	170	148	44	
30...	1715	245	118	6.3	22.0	19.5	--	--	--	--	--	40	
SEP													
12...	1000	60	102	8.0	20.0	14.5	0.60	10.4	102	48	33	44	
DATE		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
NOV													
16...	11	4.5	5.9	1.3	0	42	34	10	8.8	<0.10	2.7	79	
JAN													
12...	11	4.4	6.4	1.3	0	37	30	11	9.9	<0.10	6.4	73	
MAR													
11...	6.0	2.5	5.4	1.1	0	18	15	8.6	9.6	<0.10	6.1	59	
MAY													
18...	7.7	3.0	5.2	0.80	0	28	23	8.4	8.0	<0.10	4.5	55	
JUN													
06...	10	3.8	7.6	1.3	0	37	30	9.4	13	<0.10	3.6	78	
JUL													
25...	10	3.8	6.8	1.7	0	42	34	7.1	12	<0.10	4.6	78	
AUG													
05...	11	4.0	7.1	1.4	0	44	36	6.8	11	<0.10	5.0	78	
30...	10	3.7	6.5	1.3	--	37	30	7.4	9.9	<0.10	6.4	66	
SEP													
12...	11	4.0	7.3	1.6	0	43	35	8.9	12	<0.10	4.4	76	

HOUSATONIC RIVER BASIN

01203000 SHEPAUG RIVER NEAR ROXBURY, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L) AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L) AS N) (00623)	NITRO- GEN, TOTAL (MG/L) AS N) (00600)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)
NOV 16...	78	0.079	<0.010	0.079	0.079	0.010	0.19	0.20	0.20	0.28	0.020
JAN 12...	88	0.440	<0.010	0.440	0.440	0.040	--	<0.20	0.30	--	0.030
MAR 11...	96	0.400	0.010	0.410	0.410	0.110	0.29	0.40	0.30	0.81	0.080
MAY 18...	64	0.130	<0.010	0.130	0.130	0.010	0.29	0.30	<0.20	0.43	<0.010
JUN 06...	124	0.420	<0.010	0.420	0.420	0.040	0.26	0.30	<0.20	0.72	0.020
JUL 25...	96	0.280	0.020	0.300	0.300	0.040	0.46	0.50	0.20	0.80	0.050
AUG 05...	86	0.170	<0.010	0.170	0.170	0.030	0.37	0.40	0.20	0.57	0.040
30...	--	0.220	<0.010	0.220	0.220	<0.010	0.30	0.30	<0.20	0.52	0.020
SEP 12...	86	0.300	<0.010	0.300	0.300	0.010	0.19	0.20	0.30	0.50	<0.010

DATE	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS ORTHOPHOS- PHATE DIS- SOLVED (MG/L) AS P) (00671)	CADMIUM DIS- SOLVED (UG/L) AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L) AS NI) (01065)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
NOV 16...	0.020	0.010	<1.0	<1	<1	62	<1	9	<1	<3	4.1
JAN 12...	0.030	<0.010	<1.0	<1	2	92	<1	6	<1	15	3.4
MAR 11...	0.030	0.010	<1.0	<1	1	100	<1	18	<1	26	5.5
MAY 18...	<0.010	<0.010	<1.0	<1	<1	85	<1	8	<1	<3	4.2
JUN 06...	0.010	<0.010	<1.0	<1	1	71	<1	32	<1	<3	3.4
JUL 25...	0.020	0.020	<1.0	<1	1	270	<1	18	<1	4	5.9
AUG 05...	<0.010	<0.010	<1.0	<1	<1	92	<1	15	<1	<3	5.4
30...	<0.010	<0.010	--	--	--	100	--	11	--	--	--
SEP 12...	0.020	<0.010	<1.0	<1	<1	53	<1	9	<1	4	3.5

HOUSATONIC RIVER BASIN

01204000 POMPERAUG RIVER AT SOUTHBURY, CT

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, Hydrologic Unit 01100005, on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mi west of Southbury, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--75.1 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).

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Satellite telemetry at this station used for primary stage data. Flow regulated by Lockwood Reservoir and occasionally at low flow by mill upstream. Diversion for municipal supply of town of Watertown.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	108	156	e95	e195	e115	421	169	67	159	112	143
2	38	85	134	e91	e160	e112	366	185	61	96	221	118
3	46	70	121	e88	e135	e110	329	135	56	74	97	105
4	44	63	115	e85	e125	e108	322	118	51	61	77	95
5	36	93	1050	e83	e115	e107	279	112	46	53	72	85
6	31	131	545	e81	e108	e106	279	118	44	49	82	77
7	28	92	337	e79	e102	e105	373	132	47	44	58	70
8	27	76	263	e77	e96	185	286	371	43	49	48	64
9	26	68	227	e75	e93	186	242	250	38	50	43	70
10	24	65	204	e74	e90	1010	252	174	34	43	38	72
11	23	61	336	e73	e88	704	323	145	32	36	35	59
12	39	59	237	e71	e86	408	256	141	533	32	42	55
13	115	56	186	e70	e84	372	351	142	340	29	40	49
14	55	58	175	e69	e82	410	600	122	192	28	101	47
15	45	62	167	e68	e80	493	351	108	283	29	79	45
16	40	56	152	e67	e78	489	401	340	148	32	51	42
17	38	63	133	108	e77	348	366	286	110	28	45	45
18	36	139	125	309	e76	288	285	212	91	27	571	115
19	34	105	196	e230	e82	257	256	202	77	28	540	69
20	47	114	194	e180	110	240	234	182	62	25	265	55
21	88	86	626	e150	386	265	202	152	56	24	542	45
22	136	76	410	e130	423	933	185	130	59	24	1900	45
23	82	73	265	e110	279	763	168	118	50	52	761	340
24	64	69	211	e100	229	714	157	105	46	68	423	159
25	56	64	e175	e92	e170	629	149	110	71	42	317	105
26	50	59	e145	e86	e140	514	142	106	115	61	265	90
27	50	59	e125	e82	e130	582	137	100	69	40	221	117
28	52	490	e115	556	e120	758	152	86	69	451	224	159
29	47	368	e110	950	---	805	126	78	140	260	234	111
30	50	205	e105	391	---	602	121	71	172	112	185	86
31	103	---	e100	259	---	475	---	65	---	81	154	---
TOTAL	1595	3173	7440	4979	3939	13193	8111	4765	3202	2187	7843	2737
MEAN	51.5	106	240	161	141	426	270	154	107	70.5	253	91.2
MAX	136	490	1050	950	423	1010	600	371	533	451	1900	340
MIN	23	56	100	67	76	105	121	65	32	24	35	42
CFSM	.69	1.41	3.20	2.14	1.87	5.67	3.60	2.05	1.42	.94	3.37	1.21
IN.	.79	1.57	3.69	2.47	1.95	6.54	4.02	2.36	1.59	1.08	3.88	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 1994, BY WATER YEAR (WY)

	MEAN	69.8	116	150	159	162	260	237	147	93.9	52.4	55.6	53.7
MAX	625	468	367	525	366	557	693	476	493	272	578	304	304
(WY)	1956	1956	1984	1979	1970	1936	1987	1989	1982	1938	1955	1938	1938
MIN	10.4	13.6	22.1	17.5	44.6	112	61.9	40.3	18.6	9.56	6.29	7.66	7.66
(WY)	1936	1965	1936	1981	1936	1989	1985	1941	1957	1957	1966	1953	1953

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1933 - 1994

ANNUAL TOTAL	49788.3	63164	130	1984
ANNUAL MEAN	136	173	208	1966
HIGHEST ANNUAL MEAN			53.8	1966
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	1440	Mar 28	1900	Aug 22
LOWEST DAILY MEAN	7.3	Aug 11	23	Oct 11
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 7	27	Jul 16
INSTANTANEOUS PEAK FLOW			4760	Aug 22
INSTANTANEOUS PEAK STAGE			10.94	Aug 22
INSTANTANEOUS LOW FLOW			d22	Jul 23
ANNUAL RUNOFF (CFSM)	1.82	2.30		1.73
ANNUAL RUNOFF (INCHES)	24.66	31.29		23.44
10 PERCENT EXCEEDS	311	388		276
50 PERCENT EXCEEDS	72	108		78
90 PERCENT EXCEEDS	14	43		16

a From rating curve extended above 1,200 ft³/s by computation of peak flow over dam at gage height 16.0 feet and by slope-area measurement of peak flow.

b From outside floodmarks.

c Also occurred Aug. 31, 1966.

d Also occurred on July 22.

e Estimated

HOUSATONIC RIVER BASIN

01205000 LAKE ZOAR AT STEVENSON, CT

LOCATION.--Lat 41°23'00", long 73°10'18", Fairfield County, Hydrologic Unit 01100005, near power station on Housatonic River at tailrace of dam of Connecticut Light and Power Company at Stevenson, 0.2 mi upstream from gaging station, and 0.4 mi upstream from Eightmile Brook.

DRAINAGE AREA.--1,541 mi².

PERIOD OF RECORD.--Water year 1960 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1960 to current year.

REMARKS.--Some days have no records because of ice conditions or missed records. Extremes for period of daily record and current year are only for those values reported.

COOPERATION.--Records were furnished by the Connecticut Light and Power Company.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 17, 1968; minimum daily, 0.0°C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 26.5°C July 10, 11, 13, 27, 28; minimum daily, 0.0°C on numerous days during winter periods.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.0	12.5	6.5	1.0	.0	.0	3.5	13.0	18.0	22.5	25.5	22.5
2	18.5	11.5	6.5	1.0	.0	.0	3.5	13.0	19.0	22.5	25.5	21.5
3	18.5	11.5	5.5	1.0	.0	.0	4.0	13.5	18.0	23.0	25.5	21.0
4	18.0	11.5	6.0	.5	.0	.0	4.0	13.0	18.5	24.0	25.0	20.5
5	18.0	11.0	6.0	.5	.0	.0	4.5	13.0	18.5	24.0	25.5	20.5
6	18.0	10.5	6.0	.5	.0	.0	5.5	13.0	17.5	23.5	25.5	20.0
7	17.5	10.5	5.5	.5	.0	.0	6.0	13.0	19.0	23.5	24.5	20.0
8	18.0	10.0	5.5	.5	.0	.0	6.0	13.0	20.0	25.5	24.5	20.0
9	17.5	10.0	4.5	.5	.0	.0	6.5	13.5	19.5	24.5	24.5	20.5
10	16.5	9.5	4.5	.5	.0	.0	6.5	13.5	20.5	26.5	24.5	20.0
11	16.0	9.0	4.5	.5	.0	.0	6.5	14.5	20.0	26.5	24.5	20.0
12	16.0	8.5	4.5	.5	.0	.0	6.5	13.5	18.5	26.0	24.5	19.5
13	16.0	8.5	4.0	.5	.0	.0	6.0	14.0	20.0	26.5	24.5	20.0
14	15.5	8.0	4.0	.5	.0	.0	7.0	14.0	19.5	26.0	25.0	20.5
15	15.0	8.5	4.0	.5	.0	.0	7.0	14.0	19.0	23.5	24.5	21.0
16	15.0	8.5	4.0	.5	.0	.5	8.5	14.5	20.5	24.5	24.5	20.0
17	15.0	8.5	4.0	.0	.0	.5	8.0	14.5	21.5	25.0	24.0	20.0
18	15.0	8.5	4.0	.5	.0	.5	9.0	14.0	22.5	24.0	24.0	21.0
19	14.5	8.5	3.5	.0	.0	.5	9.5	14.0	21.0	25.0	24.0	20.5
20	14.5	8.0	3.0	.5	.0	.5	10.0	14.0	24.0	25.0	24.0	21.0
21	14.5	8.0	2.5	.5	---	.5	10.0	14.0	25.0	25.0	23.0	20.0
22	14.0	7.0	3.0	.0	---	1.0	10.0	14.5	23.5	26.0	23.0	20.0
23	14.0	7.0	2.5	.0	---	1.0	10.0	15.0	23.5	25.5	21.5	19.5
24	14.0	7.0	2.5	.0	---	.5	10.5	17.0	23.5	25.0	21.0	20.0
25	14.0	7.0	2.5	.0	---	2.0	11.0	17.5	22.5	25.5	21.0	19.5
26	13.5	6.5	1.5	.0	---	2.0	10.5	17.5	21.5	25.5	22.5	19.5
27	13.5	6.5	1.5	.0	---	3.0	10.5	15.5	22.5	26.5	23.0	19.0
28	13.0	7.0	1.0	.0	---	3.0	12.5	15.5	22.5	26.5	23.0	19.0
29	13.0	6.5	1.0	.0	---	3.0	11.5	15.5	22.5	26.0	23.0	19.0
30	13.0	6.5	1.0	.0	---	3.0	12.5	15.5	22.5	26.0	22.5	18.5
31	12.5	---	1.0	.0	---	3.0	---	17.5	---	25.5	21.5	---
MEAN	15.5	8.5	3.5	.5	.0	1.0	8.0	14.5	21.0	25.0	24.0	20.0
WTR YR 1994	MEAN	12.0		MAX	26.5		MIN	.0				

HOUSATONIC RIVER BASIN

01205500 HOUSATONIC RIVER AT STEVENSON, CT
(National stream-quality accounting network station)

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 RECORDS

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).

REMARKS.--No estimated daily discharges. Records good. U. S. Army Corps of Engineers satellite telemetry for stage is on site. Ordinary flow completely regulated by Stevenson Hydroelectric Plant. Flow regulated by Lake Candlewood, Lake Lillinonah, Lake Zoar, Cairns and Shepaug Reservoirs, and by diversion out of basin at Shepaug Reservoir. High flows affected by flood control in the Blackberry River basin for 20.5 mi², but do not appreciably affect monthly runoff.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	443	5410	915	4360	2910	9160	1840	1030	2590	2030	2790
2	100	1020	4790	1870	4180	3570	8650	3710	1830	1740	2190	2720
3	96	2210	3810	3150	3680	3050	8630	4140	1940	125	1260	108
4	835	2310	2940	4260	3200	3390	8580	4120	1080	946	1350	1390
5	630	2000	7060	3900	776	1180	10400	2710	583	2800	1110	101
6	96	92	7310	953	2420	1220	10900	3180	1290	120	1520	1620
7	735	857	6320	1340	3510	3460	10100	2610	1030	119	644	805
8	1650	2330	6090	1230	1810	3600	9210	2920	1340	2060	825	1090
9	95	2320	5980	239	1930	4910	9150	5370	1360	686	864	588
10	92	2320	6230	835	2260	7020	8950	3910	1580	629	758	103
11	765	2000	4910	3870	2190	8650	9590	3940	126	1170	754	917
12	1510	2820	4190	1350	1670	6780	9810	4040	2810	970	754	1020
13	2260	1060	4110	2700	1670	7050	9000	3370	4490	1290	897	817
14	628	100	1740	2340	2230	7420	13100	2470	3720	605	1330	785
15	1180	3150	3990	1190	2420	7230	11800	1260	3840	118	924	898
16	98	3170	4100	264	1600	7230	11800	4380	2870	844	1180	1250
17	94	83	4920	1710	2470	7200	11800	5120	2360	120	1940	115
18	1520	74	4640	2470	1480	6090	10400	5130	690	936	3640	112
19	1190	2420	1730	3360	2090	6130	9540	4980	126	623	2990	1580
20	1320	1930	1940	2760	1480	3890	7990	3440	1490	119	3180	1070
21	2430	2810	5740	1440	3310	4420	5790	1270	1300	1910	2870	1290
22	3420	3160	6440	1310	6520	5500	4430	2060	1310	1670	7420	893
23	2520	2990	6320	230	5930	11900	4000	3740	1410	1070	7640	2430
24	1480	3100	4670	2500	4010	11800	4770	3190	1190	3420	3860	1200
25	1360	127	3450	2040	4080	11700	3860	3140	549	3120	3650	118
26	1210	1790	2590	1600	3260	10000	3710	1540	805	2140	3620	2320
27	932	98	3240	3080	899	10100	3500	2160	2170	1680	2610	2270
28	89	2750	3640	3490	3630	11000	3900	2750	2260	4160	1260	1770
29	653	6960	3560	8810	---	13000	3690	2260	128	5450	3000	2300
30	479	6310	3830	4950	---	12300	2770	565	3040	1790	1200	2750
31	279	---	2130	4550	---	10300	---	1740	---	1200	1740	---
TOTAL	31106	62804	137820	74706	79065	214000	238980	97055	49747	46220	69010	37220
MEAN	1003	2093	4446	2410	2824	6903	7966	3131	1658	1491	2226	1241
MAX	3420	6960	7310	8810	6520	13000	13100	5370	4490	5450	7640	2790
MIN	89	74	1730	230	776	1180	2770	565	126	118	644	101

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	MEAN	1416	2212	2794	2909	2959	4835	5391	3272	2183	1251	1150	1126
MAX	8810	8786	7314	9441	6869	12960	11150	8627	7013	4923	8294	8705	
(WY)	1956	1956	1974	1949	1976	1936	1983	1989	1972	1938	1955	1938	
MIN	259	258	726	356	800	1911	1272	1092	670	294	308	213	
(WY)	1965	1979	1965	1981	1980	1989	1985	1986	1965	1962	1964	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1929 - 1994

ANNUAL TOTAL	997987	1137733	
ANNUAL MEAN	2734	3117	
HIGHEST ANNUAL MEAN			2621
LOWEST ANNUAL MEAN			3956
HIGHEST DAILY MEAN	20900	Apr 1	62400
LOWEST DAILY MEAN	74	Jan 31	.00
ANNUAL SEVEN-DAY MINIMUM	240	Aug 26	56
INSTANTANEOUS PEAK FLOW			14300
INSTANTANEOUS PEAK STAGE			11.23
INSTANTANEOUS LOW FLOW			46
10 PERCENT EXCEEDS	7070	7230	5880
50 PERCENT EXCEEDS	1730	2320	1810
90 PERCENT EXCEEDS	98	559	261

a From rating curve extended above 35,000 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.

HOUSATONIC RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECA, UM-MF (COLS./100 ML) (31616)	ENTERO-COCCI ME, MF TOTAL (COL / 100 ML) (31649)	STREP-TOCOCCI FECA, KF AGAR (COLS. PER 100 ML) (31673)	
NOV													
16...	1510	4750	297	8.1	8.5	8.5	1.0	10.6	89	K2	K3	K2	
JAN													
18...	1545	4530	232	7.9	-15.0	0.0	0.70	13.5	93	K2	K3	<1	
MAR													
11...	1425	8430	224	7.8	2.0	0.5	1.6	13.9	97	380	250	840	
MAY													
24...	0930	4580	229	8.0	26.0	16.0	0.70	9.6	98	46	K6	K2	
JUN													
06...	1330	4690	205	7.9	20.5	17.0	0.90	9.5	99	K2	<1	--	
JUL													
25...	1250	5930	266	7.6	33.0	21.5	0.80	4.9	56	40	100	40	
AUG													
05...	1355	4300	246	7.7	26.0	26.0	1.0	5.0	62	30	K15	--	
SEP													
12...	1345	4440	224	8.0	21.5	20.5	1.0	8.5	94	K8	K5	<1	
DATE		COLI-FORM, FECA, UM-MF (COLS./100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV													
16...	K4	120	29	11	13	2.1	0	124	102	17	21	<0.10	
JAN													
18...	K8	91	23	8.2	9.6	1.4	0	91	75	14	16	<0.10	
MAR													
11...	--	79	20	7.0	13	1.4	0	74	61	12	21	<0.10	
MAY													
24...	K6	93	24	8.1	8.8	1.7	0	97	80	11	15	<0.10	
JUN													
06...	--	87	22	7.7	9.2	1.2	0	90	74	11	15	<0.10	
JUL													
25...	62	100	26	9.0	11	1.8	0	93	76	11	18	<0.10	
AUG													
05...	--	98	24	9.3	11	2.0	0	86	70	10	17	0.10	
SEP													
12...	K4	84	21	7.7	8.8	1.8	0	97	80	11	15	<0.10	

HOUSATONIC RIVER BASIN

01205500 HOUSATONIC RIVER AT STEVENSON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
16...	2.3	162	168	0.370	0.010	0.380	0.380	0.070	0.33	0.40	--
JAN											
18...	5.0	141	136	0.570	<0.010	0.570	0.570	0.080	0.62	0.70	--
MAR											
11...	5.4	124	138	0.660	0.010	0.670	0.670	0.110	0.19	0.30	--
MAY											
24...	2.9	138	127	0.310	<0.010	0.310	0.310	0.030	0.37	0.40	--
JUN											
06...	1.7	124	130	0.270	<0.010	0.270	0.270	0.040	0.26	0.30	<0.20
JUL											
25...	3.6	143	151	0.300	0.020	0.320	0.320	0.050	0.45	0.50	--
AUG											
05...	4.5	136	152	0.390	<0.010	0.390	0.390	0.020	0.38	0.40	0.30
SEP											
12...	4.5	127	137	0.290	<0.010	0.290	0.290	0.020	0.38	0.40	--
DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV											
16...	0.78	0.010	0.010	<0.010	<10	15	<1.0	<1	<3	2	40
JAN											
18...	1.3	0.190	0.020	0.010	<10	13	<1.0	<1	<3	<1	52
MAR											
11...	0.97	0.040	0.020	0.020	30	11	<1.0	<1	<3	<1	61
MAY											
24...	0.71	0.030	0.010	0.010	<10	13	<1.0	<1	<3	1	20
JUN											
06...	0.57	<0.010	<0.010	<0.010	--	--	<1.0	<1	--	<1	11
JUL											
25...	0.82	0.020	0.030	<0.010	<10	15	<1.0	<1	<3	1	9
AUG											
05...	0.79	0.020	<0.010	<0.010	--	--	<1.0	<1	--	<1	26
SEP											
12...	0.69	0.040	0.020	<0.010	--	--	<1.0	<1	--	<1	--

HOUSATONIC RIVER BASIN

01205500 HOUSATONIC RIVER AT STEVENSON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 16...	<1	<4	4	<10	1	<1	<1.0	53	<6	<10	4.1
JAN 18...	<1	<4	27	<10	<1	<1	<1.0	45	<6	<10	2.6
MAR 11...	<1	<4	25	<10	<1	<1	<1.0	40	<6	<10	3.1
MAY 24...	<1	<4	2	<10	<1	<1	<1.0	43	<6	<10	3.5
JUN 06...	<1	--	<1	--	<1	--	--	--	--	<3	3.6
JUL 25...	<1	<4	3	<10	<1	<1	<1.0	52	<6	<10	4.5
AUG 05...	<1	--	7	--	1	--	--	--	--	<3	5.5
SEP 12...	<1	--	--	--	<1	--	--	--	--	<10	5.3

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	DIS- MENT, SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 16...	1510	4780	1	13	50	
JAN 18...	1545	6410	9	156	54	
MAY 24...	0930	4550	2	25	80	
JUL 25...	1250	5990	6	97	53	
SEP 12...	1345	4460	4	48	75	

HOUSATONIC RIVER BASIN

01205600 WEST BRANCH NAUGATUCK RIVER AT TORRINGTON, CT

LOCATION.--Lat 41°48'03", long 73°07'26", Litchfield County, Hydrologic Unit 01100005, on right bank just downstream from bridge on Prospect Street in Torrington, 0.5 mi upstream from confluence with East Branch, and 3 mi downstream from Stillwater Pond.

DRAINAGE AREA.--33.8 mi².

PERIOD OF RECORD.--August 1956 to current year.

REVISED RECORDS.--WDR CT-83-1: Drainage area, 1968-70(P), 1972-82(P).

GAGE.--Water-stage recorder. Datum of gage is 541.70 ft above sea level. See WSP 1721 for history of change prior to May 24, 1960. May 24, 1960, to July 2, 1965, water-stage recorder, and July 3-30, 1965, nonrecording gage 80 ft upstream on right bank at datum 1.98 ft higher. July 31 to Sept. 27, 1965, nonrecording gage at present site and datum 1.98 ft higher. September 27, 1965 to August 28, 1969, water-stage recorder at present site and datum 1.98 ft higher. August 28, 1969 to August 25, 1986, water-stage recorder at present site and datum 0.14 ft lower.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. City of Torrington diverts an average of about 4 mgd for municipal supply from North Pond, Whist Pond, and Reuben Hart Reservoir. Occasional regulation at low flow by Stillwater Pond. High flow regulated by Hall Meadow Brook Detention Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s, Aug. 19, 1955, by computation of peak flow over dam 3 mi upstream; drainage area, 24.4 mi².

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	81	70	e33	e65	e58	e210	e68	e28	e54	e50	15
2	4.7	54	56	e32	e61	e55	e215	e55	e25	e40	e35	12
3	9.9	37	50	e31	e56	e52	e225	e48	e23	e27	e25	10
4	8.9	29	51	e30	e53	e50	e255	e40	e21	e22	e20	10
5	9.4	53	412	e29	e50	e48	e215	e33	e18	e19	e19	9.7
6	7.8	67	235	e29	e47	e46	e220	e38	e17	e16	e19	8.4
7	7.7	44	129	e28	e44	e45	e270	e40	e30	e15	e18	7.7
8	8.2	32	92	e28	e42	e77	e230	e181	e20	e16	e16	7.5
9	6.8	27	73	e28	e39	e80	e175	e150	e16	e17	e14	7.9
10	7.8	24	67	e27	e38	e335	e200	e138	e12	e16	e11	9.7
11	3.3	22	121	e27	e37	e260	e220	e105	e12	e14	e10	7.3
12	17	21	86	e27	e36	e180	e160	e74	e123	e10	e10	6.8
13	33	19	56	e26	e35	e120	e250	e66	e88	e8.4	e11	6.8
14	22	22	68	e26	e34	e125	e330	e60	e150	e7.5	e13	7.2
15	18	26	63	e26	e33	e135	e250	e52	e140	e20	e15	5.7
16	14	23	60	e26	e33	e130	e220	e150	e80	e11	e11	5.1
17	12	25	50	e37	e32	e105	e175	e120	e50	e8.7	e25	13
18	14	51	45	231	e32	e85	e135	e95	e35	e8.2	e98	22
19	10	49	50	176	e33	e75	e110	e80	e25	e7.7	e76	12
20	26	53	50	94	e60	e70	e100	e70	e21	e7.3	e35	6.7
21	52	42	240	72	e155	e68	e180	e58	e21	e7.1	e60	5.2
22	51	35	248	36	e135	e240	e70	e48	e20	e9.0	e182	5.6
23	36	30	131	29	e100	e220	e60	e44	e17	e48	e100	55
24	25	28	86	31	e85	e230	e55	e40	e16	e51	e164	28
25	20	24	71	29	e76	e220	e54	e35	e62	e42	53	16
26	16	21	e61	27	e70	e185	e54	e47	e45	e25	31	13
27	16	20	e52	38	e65	e220	e55	e100	e30	e15	27	20
28	16	246	e48	e104	e61	e309	e53	e65	e20	e175	23	43
29	19	222	e43	e190	---	e300	e47	e45	e35	e160	23	23
30	23	108	e39	e110	---	e225	e50	e35	e52	e100	20	16
31	43	---	e36	e70	---	e205	---	e30	---	e80	16	---
TOTAL	563.7	1535	2939	1727	1607	4553	4843	2210	1252	1056.9	1230	415.3
MEAN	18.2	51.2	94.8	55.7	57.4	147	161	71.3	41.7	34.1	39.7	13.8
MAX	52	246	412	231	155	335	330	181	150	175	182	55
MIN	3.3	19	36	26	32	45	47	30	12	7.1	10	5.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1994, BY WATER YEAR (WY)

	MEAN	32.7	54.2	68.5	64.1	65.7	119	136	71.0	47.2	20.2	21.2	21.9
MAX	133	151	253	257	188	246	270	203	226	90.9	115	198	
(WY)	1990	1989	1974	1978	1981	1977	1987	1989	1972	1972	1969	1975	
MIN	3.83	5.31	4.75	3.64	15.1	40.7	30.1	21.1	6.97	2.69	2.59	3.19	
(WY)	1965	1965	1981	1981	1980	1981	1985	1965	1964	1965	1968	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1957 - 1994

ANNUAL TOTAL	23091.22	23931.9	60.0	
ANNUAL MEAN	63.3	65.6	21.3	1972
HIGHEST ANNUAL MEAN			97.4	
LOWEST ANNUAL MEAN			21.3	1965
HIGHEST DAILY MEAN	549	Mar 29	412	Dec 5
LOWEST DAILY MEAN	.42	Aug 12	3.3	Oct 11
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 2	6.9	Sep 10
INSTANTANEOUS PEAK FLOW			647	Dec 5
INSTANTANEOUS PEAK STAGE			6.01	Dec 5
INSTANTANEOUS LOW FLOW			3.1	Sep 22
10 PERCENT EXCEEDS	183		180	
50 PERCENT EXCEEDS	26		40	
90 PERCENT EXCEEDS	4.0		10	

e Estimated

HOUSATONIC RIVER BASIN

01205700 EAST BRANCH NAUGATUCK RIVER AT TORRINGTON, CT

LOCATION.--Lat 41°48'12", long 73°07'06", Litchfield County, Hydrologic Unit 01100005, on right bank, 250 ft upstream from Wall Street bridge in Torrington, 0.3 mi downstream from Troy Brook, and 0.6 mi upstream from confluence with West Branch Naugatuck River.

DRAINAGE AREA.--13.6 mi².

PERIOD OF RECORD.--August 1956 to current year.

REVISED RECORDS.--WSP 1621: 1958(P). WDR CT-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 541.14 ft above sea level. Prior to June 4, 1982, nonrecording gage and crest-stage gage, June 5, 1982 to August 4, 1986, water-stage recorder at site 250 ft downstream at datum 1.88 ft lower.

REMARKS.--Records good except for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow regulated by Lake Winchester and East Branch Detention Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a discharge of 6,200 ft³/s, at site 2.5 mi upstream drainage area 9.30 mi².

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	33	33	e17	e26	e26	88	31	11	27	7.6	5.6
2	5.9	21	25	e17	e25	e24	87	23	9.6	14	6.6	5.1
3	12	14	22	e16	e23	e23	90	21	8.6	10	6.3	4.7
4	7.5	12	27	e16	e22	e22	106	17	7.8	8.0	5.9	4.3
5	5.5	28	169	e15	21	e21	87	14	6.9	7.0	6.6	4.1
6	5.1	27	123	e15	18	20	89	16	6.4	6.2	6.2	3.9
7	4.4	19	60	e15	19	20	112	18	13	5.8	5.0	3.9
8	4.0	15	42	e14	e18	35	90	72	6.9	6.2	4.3	3.7
9	3.8	14	35	e14	e17	29	70	35	6.3	6.7	4.0	4.0
10	4.5	12	35	e14	e17	137	81	26	5.4	6.6	3.6	4.8
11	5.2	9.8	58	e14	e16	102	93	22	4.9	5.2	3.5	3.5
12	20	9.3	43	e13	e15	71	64	24	52	4.5	3.8	3.3
13	16	9.7	31	e13	e15	51	104	24	36	3.8	10	3.4
14	7.3	12	28	e13	e14	50	134	18	63	3.7	12	3.2
15	5.7	10	28	e13	e14	57	96	16	61	5.6	5.8	2.9
16	5.2	10	26	e13	13	54	93	69	26	4.1	4.2	2.9
17	5.2	13	23	e12	13	42	74	46	18	3.6	5.5	14
18	4.7	24	20	e35	14	36	55	36	13	3.5	39	9.8
19	6.6	20	23	e80	18	34	47	33	10	3.3	31	4.1
20	16	21	23	e63	32	32	39	28	8.0	3.1	13	3.5
21	29	15	111	e50	65	34	34	23	8.4	3.0	20	3.2
22	22	13	95	e43	58	99	30	20	7.3	3.6	74	5.5
23	14	11	49	e39	38	91	27	20	6.4	30	36	53
24	10	11	39	e34	36	96	25	18	6.2	16	20	14
25	8.8	10	31	e31	32	91	24	15	27	15	14	8.2
26	8.4	8.9	26	e28	e30	75	24	19	16	7.0	9.9	6.7
27	7.4	8.7	e23	e25	e29	92	24	44	8.3	5.4	8.5	17
28	6.7	96	e19	e30	e27	126	24	22	7.3	96	7.9	36
29	6.1	83	19	e50	---	123	20	17	19	37	9.2	e18
30	12	39	e18	e75	---	92	22	14	22	16	7.1	e14
31	23	---	e18	e38	---	83	---	12	---	9.8	6.0	---
TOTAL	298.8	629.4	1322	865	685	1888	1953	813	501.7	376.7	396.5	270.3
MEAN	9.64	21.0	42.6	27.9	24.5	60.9	65.1	26.2	16.7	12.2	12.8	9.01
MAX	29	96	169	80	65	137	134	72	63	96	74	53
MIN	3.8	8.7	18	12	13	20	20	12	4.9	3.0	3.5	2.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1994, BY WATER YEAR (WY)

	MEAN	15.3	22.8	30.1	26.9	29.0	46.0	51.7	28.0	19.6	9.74	11.5	12.4
MAX	66.3	64.6	90.8	100	101	100	124	94.3	76.0	32.9	64.5	61.5	
(WY)	1990	1986	1974	1978	1981	1980	1987	1989	1972	1972	1969	1975	
MIN	2.62	3.43	4.01	3.00	7.44	19.3	12.1	8.10	3.92	2.12	2.90	2.17	
(WY)	1979	1979	1981	1981	1980	1981	1985	1965	1957	1957	1968	1978	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1957 - 1994

ANNUAL TOTAL	9501.4	9999.4	25.2	
ANNUAL MEAN	26.0	27.4	39.5	1984
HIGHEST ANNUAL MEAN			10.2	1965
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	193	Mar 30	596	Dec 1 1985
LOWEST DAILY MEAN	1.4	Aug 7	.80	Oct 5 1957
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 2	1.1	Sep 30 1957
INSTANTANEOUS PEAK FLOW			492	Jun 14
INSTANTANEOUS PEAK STAGE			3.23	Jun 14
INSTANTANEOUS LOW FLOW			2.7	Jul 22
10 PERCENT EXCEEDS	76	74	54	
50 PERCENT EXCEEDS	13	18	14	
90 PERCENT EXCEEDS	2.5	4.7	3.4	

e Estimated

HOUSATONIC RIVER BASIN

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. Highways 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.

REMARKS.--Records good except those periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston, Hall Meadow Brook and East Branch Detention Reservoirs, and Lake Winchester.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 27.0 ft, from floodmarks by Corps of Engineers, discharge, 53,400 ft³/s, from indirect measurements of peak flow on Naugatuck River, 71.9 mi², and Leadmine Brook, 24.0 mi², adjusted for intervening drainage area.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	216	213	e155	398	e175	709	183	94	275	83	78
2	32	147	172	e150	e320	e165	709	169	80	160	73	66
3	47	103	154	e145	e275	e160	694	145	71	112	61	59
4	42	86	147	e140	e240	e180	874	134	63	81	58	55
5	34	131	516	e135	e205	156	700	129	55	64	58	51
6	30	210	1160	e135	190	142	463	134	51	57	65	47
7	28	137	1200	e130	182	142	703	140	79	53	48	44
8	27	104	317	e130	e170	221	892	488	60	56	40	42
9	26	89	253	e128	e160	227	470	332	53	64	36	40
10	25	79	214	e125	e155	374	485	227	45	54	33	49
11	24	70	384	e123	e145	1060	693	177	41	45	31	42
12	41	67	363	e121	e142	1140	480	172	113	39	35	37
13	146	64	221	e120	e140	431	535	174	527	35	59	35
14	63	67	224	e120	e135	414	1090	145	280	32	111	35
15	54	77	215	e118	e130	479	784	129	638	42	82	34
16	44	70	200	e118	e128	515	540	447	220	41	52	32
17	39	e72	174	235	e130	368	621	417	171	34	47	61
18	38	162	159	e480	150	299	506	305	132	31	421	150
19	36	136	178	e370	170	273	356	268	94	31	393	68
20	79	163	178	e310	262	252	305	241	70	29	210	47
21	175	121	435	e275	563	263	266	203	63	27	248	38
22	153	101	951	e250	648	563	240	178	66	26	494	36
23	104	89	856	e230	478	864	220	161	55	94	749	380
24	78	84	327	e212	291	896	203	147	50	131	357	247
25	64	77	253	e195	248	1040	191	141	117	77	190	116
26	54	67	211	e180	215	820	184	130	181	95	140	88
27	52	68	e200	e170	e200	589	177	217	103	60	119	130
28	51	325	e180	310	e190	844	171	151	100	291	105	269
29	51	925	e170	930	---	1180	157	131	159	556	133	143
30	54	453	e165	1110	---	1070	151	117	221	249	102	104
31	135	---	e160	720	---	855	---	104	---	103	85	---
TOTAL	1863	4560	10550	8070	6660	16157	14569	6236	4052	3044	4718	2623
MEAN	60.1	152	340	260	238	521	486	201	135	98.2	152	87.4
MAX	175	925	1200	1110	648	1180	1090	488	638	556	749	380
MIN	24	64	147	118	128	142	151	104	41	26	31	32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

MEAN	120	178	227	222	243	408	403	221	160	77.7	79.9	74.9
MAX	524	413	709	757	776	785	966	721	658	331	429	472
(WY)	1990	1973	1974	1979	1981	1979	1987	1989	1982	1972	1969	1975
MIN	21.1	23.9	51.4	31.1	57.0	158	103	75.0	33.8	18.4	18.5	13.8
(WY)	1965	1965	1981	1981	1980	1989	1985	1965	1964	1962	1964	1964

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1961 - 1994

ANNUAL TOTAL	76182	83102	201	1973
ANNUAL MEAN	209	228	300	1965
HIGHEST ANNUAL MEAN			76.6	1965
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	2620	Mar 31	3550	Mar 10 1979
LOWEST DAILY MEAN	11	Aug 4	8.4	Sep 14 1964
ANNUAL SEVEN-DAY MINIMUM	11	Aug 2	9.8	Sep 21 1964
INSTANTANEOUS PEAK FLOW			1700	Dec 6
INSTANTANEOUS PEAK STAGE			6.62	Jan 29
INSTANTANEOUS LOW FLOW			19	Oct 11
10 PERCENT EXCEEDS	553	546	434	
50 PERCENT EXCEEDS	99	146	112	
90 PERCENT EXCEEDS	20	41	27	

a Due to ice jam.

e Estimated

HOUSATONIC RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS. / 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)	
NOV												
19...	1515	165	172	7.5	8.0	6.0	2.5	11.3	89	130	33	
JAN												
19...	1520	395	321	7.1	-5.0	0.0	2.8	14.2	95	<1	K8	
MAR												
18...	1615	490	167	7.1	2.0	1.0	0.80	13.3	96	50	K6	
MAY												
18...	1345	445	121	7.3	20.0	12.0	0.70	10.4	98	70	K15	
JUN												
20...	0915	170	150	7.1	28.0	24.5	1.4	7.6	91	480	K15	
JUL												
14...	1240	49	285	7.6	33.0	26.5	1.1	9.8	122	20	20	
AUG												
03...	1250	117	186	7.4	31.5	25.0	1.1	8.1	99	60	K14	
23...	1245	--	113	7.4	22.0	19.5	--	8.8	95	--	--	
SEP												
13...	1355	135	247	7.3	34.0	19.5	2.1	8.3	91	28	K8	
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV												
19...	41	11	3.3	16	2.8	--	--	--	16	25	0.10	
JAN												
19...	32	8.3	2.7	43	1.9	0	16	13	13	72	<0.10	
MAR												
18...	28	7.5	2.3	16	1.5	0	15	14	12	26	<0.10	
MAY												
18...	26	6.8	2.2	11	1.2	0	18	15	11	16	<0.10	
JUN												
20...	33	8.7	2.7	13	1.9	0	22	18	12	21	0.10	
JUL												
14...	53	15	3.8	32	3.7	0	27	22	27	47	0.30	
AUG												
03...	40	11	3.0	20	2.6	0	28	23	17	27	0.10	
23...	23	6.0	1.9	6.9	1.6	--	21	17	7.7	11	<0.10	
SEP												
13...	50	14	3.7	30	3.9	0	33	27	29	41	0.20	

HOUSATONIC RIVER BASIN

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE DEG. C AT 180 SOLVED (70300)	SOLIDS, RESIDUE DEG. C, AT 105 TOTAL (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 19...	5.6	101	118	0.590	0.030	0.620	0.620	0.170	0.33	0.50	0.50
JAN 19...	7.2	170	180	0.700	0.010	0.710	0.710	0.140	0.16	0.30	0.30
MAR 18...	6.7	86	85	0.520	0.010	0.530	0.530	0.130	0.17	0.30	0.20
MAY 18...	5.6	68	76	0.430	<0.010	0.430	0.430	0.070	0.23	0.30	0.30
JUN 20...	6.3	89	212	0.480	0.040	0.520	0.520	0.180	0.32	0.50	0.30
JUL 14...	2.8	162	170	0.810	0.070	0.880	0.880	0.020	0.78	0.80	0.50
AUG 03...	5.7	106	124	0.700	0.040	0.740	0.740	0.140	0.46	0.60	0.40
23...	5.9	62	--	0.220	0.010	0.230	0.230	0.040	0.46	0.50	0.20
SEP 13...	4.1	153	168	1.31	0.090	1.40	1.40	0.210	0.99	1.2	0.60

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV 19...	1.1	0.160	0.120	0.120	<1	<1.0	2	<1	11	5
JAN 19...	1.0	0.070	0.050	0.050	<1	<1.0	<1	<1	14	11
MAR 18...	0.83	0.050	0.050	0.040	<1	<1.0	<1	<1	4	3
MAY 18...	0.73	0.040	0.030	0.030	<1	<1.0	<1	<1	4	3
JUN 20...	1.0	0.090	0.070	0.070	<1	<1.0	<1	<1	5	4
JUL 14...	1.7	0.130	0.060	0.050	<1	<1.0	<1	<1	10	7
AUG 03...	1.3	0.120	0.080	0.070	<1	<1.0	<1	<1	6	4
23...	0.73	0.120	0.040	0.030	--	--	--	--	--	--
SEP 13...	2.6	0.340	0.170	0.150	<1	<1.0	1	<1	12	7

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 19...	390	140	2	<1	31	6	5	20	10	4.5
JAN 19...	330	130	2	<1	62	9	6	30	23	2.9
MAR 18...	230	87	1	<1	48	6	5	20	22	2.1
MAY 18...	350	140	<1	<1	46	7	5	20	8	3.5
JUN 20...	540	260	2	<1	88	8	7	10	7	4.3
JUL 14...	290	91	1	<1	7	15	13	10	6	5.7
AUG 03...	480	230	1	<1	74	8	7	<10	3	4.7
23...	--	210	--	--	42	--	--	--	--	--
SEP 13...	590	150	2	<1	77	19	15	20	7	5.0

HOUSATONIC RIVER BASIN

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT

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

DRAINAGE AREA.--260 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. 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.

REMARKS.--Records good except for periods of estimated record, which are fair. U.S. Army Corps of Engineers satellite telemetry for stage is on site. Flow regulated by Lake Winchester, Hall Meadow Brook, East Branch, Thomaston, Pitch, Morris, and Wigwam Reservoirs, Northfield Brook, Hancock Brook, Hop Brook, and Black Rock Lakes, and during low flow, by industrial plants upstream. Flow increased by diversion from Shepaug Reservoir into Naugatuck River basin. Town of Watertown diverts about 0.5 mgd 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	431	582	e355	804	e420	1720	622	286	508	305	383
2	136	360	490	e340	612	419	1570	619	256	387	315	345
3	163	275	441	e330	556	425	1490	479	215	307	260	304
4	149	240	402	e325	505	457	1570	433	196	257	230	282
5	136	276	2550	e315	492	443	1450	420	179	228	279	266
6	135	435	2120	e300	480	420	1240	451	169	213	300	224
7	134	329	1940	e295	449	424	1400	447	183	201	227	201
8	129	267	992	e285	390	582	1610	1130	189	215	179	198
9	124	236	734	e280	373	660	1140	955	186	186	156	236
10	118	215	658	e275	e355	2500	1040	668	163	165	142	214
11	114	201	952	275	e345	2350	1430	554	161	150	134	185
12	249	196	908	283	e335	2140	1130	507	1100	134	183	165
13	458	205	652	288	e330	1300	1260	523	1080	127	156	163
14	242	208	615	277	e320	1200	2170	448	940	124	348	164
15	185	204	579	257	e315	1400	1650	407	1560	192	292	150
16	170	192	523	215	e310	1550	1410	922	817	169	220	143
17	158	235	475	340	308	1130	1400	1030	524	160	191	144
18	152	425	445	1180	328	907	1180	822	440	137	2950	399
19	142	394	589	727	378	826	923	759	356	130	1780	269
20	191	418	568	536	574	758	818	692	308	121	986	193
21	380	333	1500	442	1150	788	785	588	275	118	1570	163
22	430	279	1670	416	1340	2180	689	523	272	114	3750	167
23	294	256	1410	372	1110	2480	640	474	234	457	2780	1660
24	240	234	871	374	807	2380	605	425	190	464	1470	947
25	203	235	661	378	706	2290	573	392	243	308	839	493
26	181	222	e500	331	588	1930	554	363	373	297	661	395
27	182	218	453	294	477	1790	538	399	265	218	557	621
28	184	1210	e415	1030	e435	2360	539	378	250	1380	561	683
29	170	1580	e390	1960	---	3010	481	329	353	1070	543	516
30	186	1090	e380	1860	---	2490	462	305	542	691	480	386
31	320	---	e370	1450	---	1990	---	285	---	353	407	---
TOTAL	6202	11399	25835	16385	15172	43999	33467	17349	12305	9581	23251	10659
MEAN	200	380	833	529	542	1419	1116	560	410	309	750	355
MAX	458	1580	2550	1960	1340	3010	2170	1130	1560	1380	3750	1660
MIN	114	192	370	215	308	419	462	285	161	114	134	143

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1994, BY WATER YEAR (WY)

	MEAN	299	453	565	590	583	1013	979	608	398	240	248	233
MAX	2480	1890	1660	2307	1436	2227	2467	2098	1973	957	2920	1301	
(WY)	1956	1956	1974	1979	1981	1983	1983	1989	1982	1938	1955	1938	
MIN	55.3	63.9	113	118	204	450	273	225	122	72.6	72.0	68.2	
(WY)	1931	1932	1936	1981	1934	1989	1985	1941	1957	1966	1966	1931	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1919 - 1994

ANNUAL TOTAL	211880	225604		
ANNUAL MEAN	580	618		
HIGHEST ANNUAL MEAN			517	
LOWEST ANNUAL MEAN			830	1973
HIGHEST DAILY MEAN	5540	Apr 16	3750	Aug 22
LOWEST DAILY MEAN	67	Aug 8	114	Oct 11
ANNUAL SEVEN-DAY MINIMUM	73	Aug 3	127	Oct 5
INSTANTANEOUS PEAK FLOW			6240	Aug 21
INSTANTANEOUS PEAK STAGE			8.66	Aug 21
INSTANTANEOUS LOW FLOW			106	Oct 11
10 PERCENT EXCEEDS	1430		1480	1110
50 PERCENT EXCEEDS	284		399	315
90 PERCENT EXCEEDS	90		165	105

a From rating curve extended above 9,000 ft³/s, on basis of slope-area measurements of peak flow at gage height of 12.4 and 25.7 ft, use and datum then in use.

b From floodmarks.

c Also occurred on Oct. 12, 1930 and Sept. 7, 1936.

e Estimated

HOUSATONIC RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, SOLVED CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, UM-MF (COLS. / 100 ML) (31616)	ENTERO- COCCI ME, MF TOTAL (COL / 100 ML) (31649)
NOV											
19...	1330	372	270	7.4	8.0	7.0	2.9	11.2	91	23000	3100
JAN											
19...	1330	749	410	7.2	-5.0	0.0	3.4	15.0	100	3400	2300
MAR											
18...	1340	923	223	7.2	2.0	2.5	1.1	13.3	99	17000	2700
MAY											
17...	1200	1040	152	7.3	21.0	13.5	2.5	10.4	100	290	K19
25...	0830	396	290	6.3	18.5	18.0	--	8.4	90	--	--
JUN											
01...	0815	263	340	6.6	20.0	18.5	--	8.2	89	--	--
10...	0845	163	447	6.8	18.5	18.5	--	--	--	--	--
13...	1345	760	187	7.2	27.0	18.5	4.4	9.4	100	2300	320
JUL											
14...	1120	118	491	7.3	32.0	25.5	0.70	8.2	100	130	88
AUG											
03...	1135	254	313	7.2	30.0	25.0	1.3	8.4	102	2200	440
23...	1015	2620	122	7.0	17.5	19.0	--	8.7	93	--	--
SEP											
13...	1215	155	480	7.5	34.0	21.0	0.50	9.1	103	840	29

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV											
19...	53	15	3.7	29	3.4	0	37	30	27	44	0.20
JAN											
19...	36	10	2.7	58	2.2	0	19	16	18	94	<0.10
MAR											
18...	34	9.6	2.5	26	1.9	0	18	15	18	42	<0.10
MAY											
17...	29	8.0	2.2	16	1.5	0	20	16	13	24	<0.10
25...	43	12	3.1	32	2.6	--	32	27	26	45	0.20
JUN											
01...	46	13	3.3	38	2.9	--	37	30	29	56	0.20
10...	--	--	--	--	--	--	49	40	--	--	--
13...	32	9.0	2.2	19	2.3	0	20	16	15	31	0.10
JUL											
14...	66	19	4.4	68	4.8	0	34	29	47	92	0.40
AUG											
03...	51	15	3.3	38	3.8	0	23	19	30	49	0.20
23...	24	6.7	1.7	11	1.8	--	25	20	11	15	0.10
SEP											
13...	66	19	4.5	63	5.0	0	42	34	51	86	0.30

HOUSATONIC RIVER BASIN

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)
NOV											
19...	6.0	160	160	0.880	0.050	0.930	0.930	1.40	0.50	1.9	1.8
JAN											
19...	7.4	217	240	0.710	0.020	0.730	0.730	0.580	0.42	1.0	0.70
MAR											
18...	7.4	127	122	0.450	0.030	0.480	0.480	0.430	0.27	0.70	0.60
MAY											
17...	5.9	85	100	0.420	0.030	0.450	0.450	0.390	0.51	0.90	0.70
25...	5.6	160	--	0.910	0.070	0.980	0.980	0.980	0.62	1.6	1.3
JUN											
01...	5.2	196	--	1.15	0.150	1.30	1.30	1.80	0.80	2.6	2.3
10...	--	--	--	1.67	0.230	1.90	1.90	3.40	0.80	4.2	4.1
13...	5.5	113	118	0.650	0.040	0.690	0.690	0.480	0.82	1.3	0.80
JUL											
14...	6.3	284	302	2.49	0.010	2.50	2.50	2.10	0.80	2.9	2.7
AUG											
03...	6.9	171	198	1.61	0.190	1.80	1.80	0.520	0.48	1.0	0.80
23...	6.2	74	--	0.370	0.030	0.400	0.400	0.140	0.46	0.60	0.40
SEP											
13...	7.7	272	286	1.90	0.400	2.30	2.30	1.90	0.80	2.7	2.4

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTH, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV										
19...	2.8	0.330	0.250	0.250	<1	<1.0	2	<1	13	7
JAN										
19...	1.7	0.150	0.070	0.060	<1	<1.0	1	<1	11	5
MAR										
18...	1.2	0.070	0.060	0.050	<1	<1.0	<1	<1	8	5
MAY										
17...	1.3	0.170	0.120	0.100	<1	<1.0	2	<1	11	6
25...	2.6	0.430	0.310	0.330	--	--	--	--	--	--
JUN										
01...	3.9	0.440	0.380	0.390	--	--	--	--	--	--
10...	6.1	0.720	0.620	0.570	--	--	--	--	--	--
13...	2.0	0.190	0.120	0.110	<1	<1.0	2	<1	10	7
JUL										
14...	5.4	0.380	0.290	0.290	<1	<1.0	<1	<1	14	10
AUG										
03...	2.8	0.310	0.240	0.240	<1	<1.0	1	<1	13	8
23...	1.0	0.120	0.040	0.040	--	--	--	--	--	--
SEP										
13...	5.0	0.840	0.720	0.730	<1	<1.0	1	<1	16	13

HOUSATONIC RIVER BASIN

01208500 NAUGATUCK RIVER AT BEACON FALLS, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
19...	450	170	2	<1	70	9	8	40	25	6.1
JAN										
19...	500	130	3	<1	110	5	5	50	41	4.1
MAR										
18...	350	130	2	<1	88	6	6	50	38	3.1
MAY										
17...	750	140	5	<1	40	6	4	40	23	5.5
25...	--	200	--	--	100	--	--	--	--	--
JUN										
01...	--	210	--	--	97	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
13...	970	150	5	<1	50	6	5	40	16	6.9
JUL										
14...	370	120	2	1	60	11	9	30	21	7.7
AUG										
03...	650	220	3	1	55	11	8	30	20	5.6
23...	--	220	--	--	34	--	--	--	--	--
SEP										
13...	390	130	1	<1	110	16	14	50	41	7.0

HOUSATONIC RIVER BASIN

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 Street, 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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
NOV 19...	1100	395	265	7.3	8.0	8.0	3.8	10.2	85	18000	4500
JAN 19...	1030	1250	404	7.3	-5.0	0.0	3.3	15.2	102	12000	3400
MAR 18...	1050	1150	210	7.3	2.0	2.0	1.5	13.5	99	17000	2900
MAY 17...	0930	1200	150	7.4	21.0	13.5	2.7	10.5	101	1300	250
JUN 13...	0945	940	165	7.2	27.0	18.5	1.6	8.9	94	4000	640
JUL 14...	0830	205	426	7.5	32.0	26.0	1.2	8.8	107	2100	180
AUG 03...	0850	380	252	7.2	28.0	25.0	1.3	6.4	78	820	75
SEP 13...	1000	190	375	7.5	34.0	21.0	1.0	9.2	103	1200	400

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 19...	52	15	3.6	29	3.1	--	--	--	27	41	0.30
JAN 19...	39	11	2.8	57	2.4	0	22	18	19	90	<0.10
MAR 18...	32	8.9	2.4	22	1.8	0	19	16	18	36	<0.10
MAY 17...	30	8.1	2.3	16	1.7	0	19	16	14	24	<0.10
JUN 13...	31	8.8	2.1	17	2.5	0	19	16	14	26	0.10
JUL 14...	62	18	4.2	58	4.2	0	35	30	41	74	0.30
AUG 03...	45	13	3.0	30	3.2	0	21	17	25	39	0.20
SEP 13...	59	17	4.0	46	3.9	0	32	26	36	68	0.30

HOUSATONIC RIVER BASIN

01208736 NAUGATUCK RIVER AT ANSONIA, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
19...	5.9	161	174	1.64	0.060	1.70	1.70	0.890	0.61	1.5	1.3
JAN											
19...	7.6	213	254	0.870	0.030	0.900	0.900	0.960	0.44	1.4	1.1
MAR											
18...	7.6	115	108	0.610	0.030	0.640	0.640	0.550	0.25	0.80	0.70
MAY											
17...	5.7	89	102	0.590	0.040	0.630	0.630	0.310	0.49	0.80	0.60
JUN											
13...	5.5	109	124	0.650	0.040	0.690	0.690	0.320	0.68	1.0	0.60
JUL											
14...	5.7	245	250	2.20	<0.010	2.20	2.20	0.300	1.1	1.4	0.70
AUG											
03...	7.1	140	164	--	<0.010	--	<0.050	0.050	0.85	0.90	0.30
SEP											
13...	7.0	215	222	2.50	0.400	2.90	2.90	1.10	0.50	1.6	1.5

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV										
19...	3.2	0.310	0.190	0.210	<1	<1.0	3	<1	16	8
JAN										
19...	2.3	0.170	0.110	0.100	<1	<1.0	1	<1	11	7
MAR										
18...	1.4	0.100	0.090	0.080	<1	<1.0	<1	<1	11	8
MAY										
17...	1.4	0.150	0.090	0.090	<1	<1.0	2	<1	14	7
JUN										
13...	1.7	0.180	0.090	0.090	<1	<1.0	3	<1	16	8
JUL										
14...	3.6	0.440	0.290	0.280	<1	<1.0	1	<1	32	21
AUG										
03...	0.90	0.110	0.030	0.020	<1	<1.0	1	<1	17	15
SEP										
13...	4.5	0.310	0.270	0.240	<1	<1.0	<1	<1	25	22

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
19...	590	150	3	<1	85	10	9	40	22	6.2
JAN										
19...	520	130	3	<1	120	6	5	60	45	4.0
MAR										
18...	310	120	2	2	79	6	6	40	44	3.2
MAY										
17...	710	130	4	<1	42	6	5	40	16	4.4
JUN										
13...	1400	150	7	<1	48	7	5	40	21	7.7
JUL										
14...	370	110	2	<1	14	9	7	30	13	8.1
AUG										
03...	560	210	3	1	59	7	6	20	17	7.3
SEP										
13...	270	110	<1	<1	66	11	10	40	24	5.0

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.

ROOSTER RIVER BASIN

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	11	4.6	e8.0	19	e13	29	24	7.9	3.9	3.1	5.6
2	4.5	7.7	4.6	e8.2	e16	13	25	11	7.4	3.6	3.0	5.3
3	8.1	7.7	4.5	e8.0	e15	13	24	10	7.3	3.3	2.6	5.0
4	4.4	7.7	16	e7.6	14	16	23	9.8	6.9	3.3	2.3	4.6
5	4.0	25	232	e7.2	e13	17	21	9.7	6.4	3.1	20	4.5
6	3.8	9.0	33	e6.9	e13	15	27	12	6.3	3.5	4.6	4.3
7	3.7	5.9	23	e6.8	e12	19	33	10	6.3	3.1	2.6	4.2
8	3.5	6.0	19	e6.5	12	30	20	57	5.9	9.0	2.2	4.0
9	3.4	6.4	16	e6.2	e11	22	18	14	5.7	5.3	2.0	16
10	3.1	6.2	15	e6.0	e11	214	22	12	5.4	3.5	2.2	6.4
11	3.0	6.2	33	e5.8	e10	45	18	10	5.4	3.3	1.8	4.0
12	54	6.4	16	e5.7	e10	33	27	11	38	3.1	2.0	3.6
13	9.1	6.4	14	e5.6	e9.8	33	53	9.6	21	2.7	2.1	4.9
14	4.7	6.7	13	e5.4	e9.6	34	30	9.0	7.4	2.4	7.1	6.2
15	4.3	7.1	12	e5.4	e9.4	39	25	8.8	11	20	3.4	3.8
16	3.7	7.2	12	e5.4	e9.4	33	45	41	6.2	3.5	2.4	3.8
17	3.5	13	11	44	11	27	22	31	5.7	3.1	8.1	4.0
18	3.5	5.5	10	60	14	24	20	17	5.4	4.9	214	15
19	5.2	12	21	20	16	24	18	16	5.1	3.3	9.7	4.4
20	29	6.6	11	e17	31	22	18	14	5.0	3.1	6.9	3.9
21	36	4.7	56	e12	52	26	17	12	4.8	2.8	17	3.8
22	12	4.3	18	e10	34	109	16	11	8.2	2.7	69	5.2
23	7.8	4.3	15	8.5	23	43	16	19	4.3	20	19	149
24	6.8	4.3	13	e8.0	28	35	15	12	7.0	5.4	9.9	11
25	6.5	4.2	12	e7.4	20	32	14	21	12	3.6	8.3	8.5
26	6.2	3.8	11	e6.8	17	31	14	13	4.8	19	7.3	7.8
27	9.2	3.8	9.9	e6.6	16	71	14	10	4.4	5.7	6.8	52
28	6.4	42	e9.4	295	e14	51	13	9.0	4.2	28	6.6	12
29	6.1	7.5	e9.0	52	---	63	12	8.7	14	4.4	21	9.2
30	22	5.1	e8.6	28	---	39	12	7.9	5.6	3.6	7.0	8.0
31	18	---	e8.2	23	---	32	---	7.7	---	3.3	5.9	---
TOTAL	300.3	253.7	690.8	703.0	470.2	1218	661	468.2	245.0	189.5	479.9	380.0
MEAN	9.69	8.46	22.3	22.7	16.8	39.3	22.0	15.1	8.17	6.11	15.5	12.7
MAX	54	42	232	295	52	214	53	57	38	28	214	149
MIN	3.0	3.8	4.5	5.4	9.4	13	12	7.7	4.2	2.4	1.8	3.6
CFSM	.91	.80	2.10	2.14	1.58	3.71	2.08	1.42	.77	.58	1.46	1.19
IN.	1.05	.89	2.42	2.47	1.65	4.27	2.32	1.64	.86	.67	1.68	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1994, BY WATER YEAR (WY)

MEAN	11.3	15.9	18.0	21.5	17.5	23.6	24.3	21.6	16.4	8.88	11.4	9.27
MAX	34.1	34.0	41.3	74.1	34.1	45.0	75.1	71.2	65.1	23.1	31.9	21.1
(WY)	1990	1989	1978	1979	1979	1983	1983	1989	1982	1984	1992	1992
MIN	3.86	5.81	4.96	3.68	5.07	8.78	6.08	6.28	4.08	2.93	1.38	3.04
(WY)	1983	1979	1983	1981	1980	1985	1985	1986	1988	1987	1981	1986

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1978 - 1994

ANNUAL TOTAL	5076.9	6059.6	
ANNUAL MEAN	13.9	16.6	
HIGHEST ANNUAL MEAN			16.6
LOWEST ANNUAL MEAN			24.3
HIGHEST DAILY MEAN	232	Dec 5	295
LOWEST DAILY MEAN	1.0	Sep 13	1.8
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 7	2.1
INSTANTANEOUS PEAK FLOW			1580
INSTANTANEOUS PEAK STAGE			9.31
INSTANTANEOUS LOW FLOW			1.5
ANNUAL RUNOFF (CFSM)	1.31		1.57
ANNUAL RUNOFF (INCHES)	17.82		21.27
10 PERCENT EXCEEDS	29		33
50 PERCENT EXCEEDS	8.6		9.4
90 PERCENT EXCEEDS	1.6		3.6

e Estimated

MILL RIVER BASIN

01208925 MILL RIVER NEAR FAIRFIELD, CT

LOCATION.--Lat 41°09'55", long 73°16'14", Fairfield County, Hydrologic Unit 01100006, on right bank just downstream from bridge on Duck Farm Road, 1.5 mi north of Fairfield, 18.3 mi downstream from headwater of Aspetuck River, 14.0 mi downstream from headwater of Mill River, and 2.3 mi upstream from mouth at Southport Harbor.

DRAINAGE AREA.--28.6 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. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Flow completely regulated by Easton, Hemlock, and Samp Mortar Reservoirs, usable capacity 609,900,000 ft³, diversions into Hemlock Reservoir from Aspetuck Reservoir in the Aspetuck River basin and by diversions from Hemlock and Easton Reservoirs by the Bridgeport Hydraulic Company for water supply of the cities of Bridgeport and Fairfield.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	18	29	13	49	e42	134	37	36	15	17	32
2	5.8	13	28	14	68	e40	114	39	35	15	17	32
3	6.9	16	15	e13	65	e38	103	31	33	14	17	32
4	4.9	13	11	e13	e56	e37	96	27	13	14	17	31
5	4.3	17	177	e12	e50	e37	86	28	11	13	23	31
6	3.3	23	55	12	e46	e38	85	26	11	14	20	32
7	3.1	16	33	e11	e43	e43	108	26	10	13	17	34
8	2.9	13	26	e10	e40	e47	95	71	9.1	15	16	27
9	2.7	12	23	e10	e38	e57	79	62	7.8	21	14	40
10	3.2	35	22	10	e35	204	75	50	7.3	19	10	41
11	1.8	14	35	9.7	e33	147	78	42	6.9	18	19	39
12	13	9.9	25	e9.2	e32	109	74	36	15	17	16	38
13	19	7.9	21	e9.0	e30	104	105	38	39	17	19	39
14	8.5	8.1	20	e8.6	e28	108	126	35	20	17	21	39
15	6.4	7.2	19	e8.5	e27	119	100	27	17	25	20	38
16	6.2	4.0	17	8.4	e26	117	115	41	13	19	19	38
17	4.8	6.8	16	15	e25	103	112	75	11	18	20	38
18	6.1	12	15	63	24	96	95	74	9.6	19	97	43
19	3.7	9.5	21	24	25	92	79	86	8.4	18	33	38
20	17	34	19	18	33	90	77	80	6.7	18	26	37
21	23	34	53	15	56	92	65	70	6.8	17	28	37
22	26	31	31	14	76	199	60	64	9.4	17	55	38
23	15	30	23	13	82	132	52	63	6.8	21	50	120
24	13	29	21	e12	50	97	48	63	6.6	20	32	53
25	9.9	28	e19	e12	48	97	46	42	8.4	18	31	46
26	8.3	28	e17	e11	e47	114	43	44	6.4	20	30	44
27	9.2	27	16	11	e45	160	39	46	5.5	20	32	65
28	7.4	48	15	157	e43	220	30	40	4.9	31	31	52
29	6.8	38	14	145	---	251	29	35	9.3	21	40	47
30	13	29	e13	68	---	216	30	35	11	18	34	44
31	18	---	13	46	---	161	---	36	---	18	32	---
TOTAL	280.4	611.4	862	795.4	1220	3407	2378	1469	394.9	560	853	1265
MEAN	9.05	20.4	27.8	25.7	43.6	110	79.3	47.4	13.2	18.1	27.5	42.2
MAX	26	48	177	157	82	251	134	86	39	31	97	120
MIN	1.8	4.0	11	8.4	24	37	29	26	4.9	13	10	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1994, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	15.5	26.7	42.1	50.6	45.8	72.9	81.3	56.1	34.4	14.3	13.2	12.6										
MAX	60.9	69.1	102	176	103	168	276	216	195	71.7	63.6	42.2										
(WY)	1990	1990	1973	1979	1973	1983	1983	1989	1982	1984	1992	1994										
MIN	2.98	8.40	7.04	3.13	9.99	19.9	12.1	10.2	2.74	.93	1.72	2.16										
(WY)	1985	1985	1983	1981	1980	1985	1985	1986	1987	1987	1987	1983										

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1973 - 1994

ANNUAL TOTAL	11343.7	14096.1		
ANNUAL MEAN	31.1	38.6		
HIGHEST ANNUAL MEAN			38.7	
LOWEST ANNUAL MEAN			62.4	1984
HIGHEST DAILY MEAN	293	Mar 28	1300	Jun 6 1982
LOWEST DAILY MEAN	1.0	Aug 30	.00	Nov 7 1979
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 24	.71	Jul 16 1987
INSTANTANEOUS PEAK FLOW			1800	Apr 10 1980
INSTANTANEOUS PEAK STAGE			7.15	Apr 10 1980
INSTANTANEOUS LOW FLOW			.00	Nov 7 1979
10 PERCENT EXCEEDS	71	93	87	
50 PERCENT EXCEEDS	17	27	19	
90 PERCENT EXCEEDS	1.8	8.4	3.3	

e Estimated.

SASCO BROOK BASIN

01208950 SASCO BROOK NEAR SOUTHPORT, CT

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, Hydrologic Unit 01100006, on left downstream abutment of bridge on Hulls Farm Road, 1.5 mi northwest of Southport.

DRAINAGE AREA.--7.38 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. 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.

REMARKS.--Records good except those for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	13	6.2	e6.6	19	e9.5	35	14	4.4	2.7	.95	1.9
2	1.9	8.4	5.7	9.0	15	e8.5	30	12	3.8	2.0	.83	1.5
3	2.4	6.6	5.2	9.0	13	e8.1	27	9.4	3.4	1.6	.72	1.2
4	2.2	5.8	6.2	9.9	12	e7.7	24	8.5	3.0	1.3	.62	1.1
5	2.0	9.9	121	8.6	11	e7.4	21	8.4	2.6	1.1	.71	.97
6	1.8	14	60	7.3	11	e7.3	24	8.5	2.8	.98	1.2	.89
7	1.7	9.6	28	e6.6	11	14	36	8.7	2.8	.90	.82	.78
8	1.6	7.4	20	e6.2	8.4	24	26	43	2.5	.87	.67	.72
9	1.7	6.2	17	e6.0	e7.8	22	21	22	2.3	1.2	.54	.68
10	2.0	5.6	15	e5.7	e7.5	108	21	14	1.8	1.1	.49	.77
11	1.9	5.3	27	e5.5	e7.2	80	21	11	1.7	.98	.41	.77
12	4.7	5.2	19	e5.3	e7.0	48	23	10	2.8	.81	.37	.74
13	9.5	4.9	14	e5.2	e6.8	42	42	8.7	15	.67	.36	.68
14	4.3	4.9	14	e5.2	e6.6	46	51	7.2	8.9	.55	.42	.67
15	3.2	5.0	13	e5.1	e6.5	55	29	6.2	5.6	1.5	.58	.77
16	2.6	4.5	12	5.6	e6.4	53	41	17	3.9	1.2	.52	.77
17	2.5	5.4	10	6.8	e6.3	36	37	38	3.3	.95	.44	.73
18	2.8	6.8	9.6	41	8.1	29	25	21	2.7	1.0	30	1.8
19	2.6	7.1	15	21	10	26	22	21	2.2	.99	7.9	1.4
20	10	8.8	15	15	15	26	20	18	1.7	.83	3.5	1.0
21	18	6.6	46	10	29	30	18	14	1.5	.72	2.7	.84
22	16	5.7	34	8.5	38	116	16	11	2.6	.61	23	.79
23	8.2	5.3	20	7.1	25	77	15	9.6	2.3	.71	22	43
24	5.7	5.3	15	e6.8	23	62	14	10	1.9	1.7	6.5	13
25	4.6	4.8	14	e6.2	21	49	13	10	2.8	.99	3.5	5.3
26	4.3	4.0	12	e5.8	16	38	13	14	2.6	.88	2.5	3.5
27	4.8	3.9	8.8	e5.6	13	62	13	10	2.0	1.5	2.1	13
28	4.7	11	8.2	81	11	85	12	8.0	1.7	3.4	1.8	9.7
29	4.2	14	7.6	101	---	85	11	6.5	2.3	2.2	3.3	5.9
30	5.4	8.4	e7.2	40	---	61	11	5.4	3.7	1.5	3.5	3.7
31	10	---	e6.8	26	---	42	---	5.1	---	1.1	2.4	---
TOTAL	149.6	213.4	612.5	488.6	371.6	1364.5	712	410.2	100.6	38.54	125.35	118.57
MEAN	4.83	7.11	19.8	15.8	13.3	44.0	23.7	13.2	3.35	1.24	4.04	3.95
MAX	18	14	121	101	38	116	51	43	15	3.4	30	43
MIN	1.6	3.9	5.2	5.1	6.3	7.3	11	5.1	1.5	.55	.36	.67
CFSM	.65	.96	2.68	2.14	1.80	5.96	3.22	1.79	.45	.17	.55	.54
IN.	.75	1.08	3.09	2.46	1.87	6.88	3.59	2.07	.51	.19	.63	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1994, BY WATER YEAR (WY)

	MEAN	6.45	12.2	18.4	17.3	17.8	25.8	24.0	17.3	12.2	4.69	4.00	4.68
MAX	19.3	26.4	44.3	60.3	36.9	46.4	82.2	79.1	79.2	21.1	18.9	20.6	
(WY)	1976	1978	1984	1979	1970	1983	1983	1989	1972	1984	1992	1974	
MIN	.22	.84	2.28	1.96	5.10	9.56	6.34	3.69	1.63	.22	.076	.16	
(WY)	1965	1966	1966	1966	1980	1981	1985	1986	1988	1966	1966	1980	

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR				FOR 1994 WATER YEAR				WATER YEARS 1965 - 1994			
ANNUAL TOTAL	4540.06				4705.46							
ANNUAL MEAN	12.4				12.9				13.7			
HIGHEST ANNUAL MEAN									22.2			
LOWEST ANNUAL MEAN									4.47			
HIGHEST DAILY MEAN	121	Dec 5			121	Dec 5			785	Jun 19	1972	
LOWEST DAILY MEAN	.00	Jul 26			.36	Aug 13			.00	Jul 26	1993	
ANNUAL SEVEN-DAY MINIMUM	.07	Jul 20			.44	Aug 11			.01	Oct 6	1964	
INSTANTANEOUS PEAK FLOW					196	Jan 28			1640	Jun 19	1972	
INSTANTANEOUS PEAK STAGE					3.40	Jan 28			7.00	Jun 19	1972	
INSTANTANEOUS LOW FLOW					.31	Aug 13			.00	Jul 23	1991	
ANNUAL RUNOFF (CFSM)	1.69				1.75				1.85			
ANNUAL RUNOFF (INCHES)	22.88				23.72				25.20			
10 PERCENT EXCEEDS	29				32				29			
50 PERCENT EXCEEDS	6.8				6.8				7.8			
90 PERCENT EXCEEDS	.25				.88				.76			

a Also occurred Aug. 14.

e Estimated.

SAUGATUCK RIVER BASIN

01208990 SAUGATUCK RIVER NEAR REDDING, CT

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, Hydrologic Unit 01100006, on right downstream side of bridge on State Highway 53, 100 ft south of intersection of State Highways 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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	15	29	27	e86	e44	121	37	14	49	38	19
2	3.4	12	23	e26	e68	e40	103	33	12	30	31	15
3	3.4	10	20	e25	e56	40	90	27	11	21	27	12
4	3.1	8.8	18	e24	e46	e37	83	25	9.4	16	23	11
5	2.9	13	132	e23	e42	e36	71	25	9.2	14	26	16
6	2.2	20	134	e22	e39	36	63	23	11	12	30	12
7	2.1	14	94	e22	e35	38	80	22	9.8	11	22	9.0
8	2.3	11	61	e21	e33	53	71	64	8.3	24	18	7.3
9	3.0	11	45	e21	e31	53	60	49	7.3	35	15	7.3
10	5.1	9.0	38	e20	e29	226	58	38	9.6	30	13	8.4
11	3.3	8.3	54	20	e27	219	61	30	6.5	21	12	7.4
12	4.1	7.9	47	20	e27	157	58	27	90	16	13	7.8
13	8.5	7.5	37	e20	e26	129	81	24	168	12	12	8.0
14	8.0	13	35	e20	e25	126	99	29	116	9.4	17	8.0
15	6.6	16	e32	e20	e25	134	81	26	79	13	20	8.2
16	5.3	23	e30	20	26	134	97	46	48	11	14	6.4
17	4.7	12	e28	21	25	111	93	74	37	9.6	12	5.5
18	4.4	11	26	105	26	93	81	63	29	8.7	90	11
19	3.9	15	33	98	30	83	67	56	23	8.6	70	9.6
20	6.0	17	33	e52	44	77	57	47	19	7.3	52	7.1
21	12	12	107	e41	87	78	51	38	15	6.3	35	6.4
22	15	9.5	113	e36	113	176	51	36	16	5.8	73	5.7
23	9.3	12	84	e32	95	174	45	30	14	56	77	73
24	7.6	14	60	e28	82	168	41	29	12	71	56	67
25	7.9	11	51	e26	74	153	37	26	22	38	39	41
26	8.6	9.0	44	e24	59	133	41	26	33	25	33	26
27	6.7	8.3	e40	e24	e52	143	36	21	28	16	26	30
28	5.9	34	e35	e50	e48	173	39	20	26	167	21	29
29	5.1	48	e32	193	---	207	45	19	39	127	24	22
30	4.9	43	29	189	---	180	36	16	71	83	21	17
31	9.3	---	28	e150	---	144	---	14	---	51	21	---
TOTAL	178.7	455.3	1572	1420	1356	3595	1997	1040	993.1	1004.7	981	513.1
MEAN	5.76	15.2	50.7	45.8	48.4	116	66.6	33.5	33.1	32.4	31.6	17.1
MAX	15	48	134	193	113	226	121	74	168	167	90	73
MIN	2.1	7.5	18	20	25	36	36	14	6.5	5.8	12	5.5
CFSM	.27	.72	2.41	2.18	2.31	5.52	3.17	1.60	1.58	1.54	1.51	.81
IN.	.32	.81	2.78	2.52	2.40	6.37	3.54	1.84	1.76	1.78	1.74	.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1994, BY WATER YEAR (WY)

	MEAN	18.9	36.7	56.8	51.7	56.0	81.3	74.1	50.1	31.7	14.7	12.9	14.8
MAX	83.1	93.6	167	187	128	176	220	167	166	79.1	47.6	92.1	
(WY)	1976	1973	1984	1979	1970	1983	1983	1989	1972	1984	1976	1975	
MIN	.92	2.28	8.05	4.69	16.2	34.7	18.9	11.4	6.04	.88	.22	.42	
(WY)	1965	1965	1966	1981	1980	1982	1985	1986	1965	1966	1966	1983	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1965 - 1994

ANNUAL TOTAL	11758.18	15105.9	
ANNUAL MEAN	32.2	41.4	41.6
HIGHEST ANNUAL MEAN			74.8
LOWEST ANNUAL MEAN			16.2
HIGHEST DAILY MEAN	300	Mar 29	1300
LOWEST DAILY MEAN	.28	Aug 13	.05
ANNUAL SEVEN-DAY MINIMUM	.30	Aug 7	.11
INSTANTANEOUS PEAK FLOW		343	2160
INSTANTANEOUS PEAK STAGE		3.55	5.88
INSTANTANEOUS LOW FLOW		1.9	.05
ANNUAL RUNOFF (CFSM)	1.53	1.97	1.98
ANNUAL RUNOFF (INCHES)	20.83	26.76	26.88
10 PERCENT EXCEEDS	81	96	94
50 PERCENT EXCEEDS	15	27	25
90 PERCENT EXCEEDS	.75	7.6	2.6

a Also occurred Oct. 8.

e Estimated.

SAUGATUCK RIVER BASIN

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 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED (MG/L) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT 19...	1330	3.8	241	7.7	15.0	10.5	0.70	--	--	K3	K7
DEC 07...	1250	94	201	7.7	12.5	5.0	0.80	14.0	110	100	79
FEB 07...	1345	35e	201	7.7	6.5	0.5	0.90	14.5	102	37	K15
APR 19...	1345	62	185	7.9	24.0	13.0	0.80	10.4	100	K10	K4
JUN 07...	1355	9.1	237	7.9	22.0	21.0	0.60	8.0	92	46	45
JUL 12...	1300	15	212	7.8	28.0	24.0	1.3	8.1	97	62	100
AUG 10...	1205	12	188	8.0	29.0	20.0	0.90	9.2	102	47	320
16...	1400	12	201	6.6	25.0	20.0	--	10.3	113	--	--
SEP 06...	1430	10	211	6.9	21.0	16.0	--	9.4	95	--	--
08...	1250	6.4	212	8.1	26.0	16.5	0.50	10.1	104	42	33

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 19...	97	26	7.9	8.9	1.9	0	78	64	25	21
DEC 07...	67	18	5.4	13	1.6	0	54	44	16	21
FEB 07...	64	17	5.2	13	1.2	0	49	40	13	24
APR 19...	60	16	4.9	10	1.2	--	--	--	11	22
JUN 07...	83	22	6.8	11	1.3	0	86	70	9.6	23
JUL 12...	81	22	6.3	11	1.3	0	80	66	6.4	22
AUG 10...	78	21	6.1	9.5	1.3	0	80	66	6.4	18
16...	76	21	5.7	8.5	1.5	--	92	75	7.0	17
SEP 06...	78	21	6.3	9.3	1.4	--	85	70	7.0	17
08...	86	23	7.0	9.5	1.5	0	91	75	8.1	17

SAUGATUCK RIVER BASIN

01208990 SAUGATUCK RIVER NEAR REDDING, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 19...	<0.10	10	143	140	--	<0.010	--	<0.050	0.030	0.27
DEC 07...	<0.10	8.8	123	121	0.084	<0.010	0.084	0.084	0.020	0.28
FEB 07...	<0.10	11	114	136	0.320	<0.010	0.320	0.320	0.030	--
APR 19...	<0.10	5.6	116	106	0.068	<0.010	0.068	0.068	0.010	--
JUN 07...	<0.10	5.5	140	166	0.190	<0.010	0.190	0.190	0.030	0.27
JUL 12...	<0.10	9.7	133	144	0.130	<0.010	0.130	0.130	0.030	0.27
AUG 10...	<0.10	11	121	128	0.110	<0.010	0.110	0.110	0.030	0.27
16...	0.20	10	125	--	0.130	<0.010	0.130	0.130	0.020	0.38
SEP 06...	0.10	9.5	115	--	--	<0.010	--	<0.050	0.010	0.29
08...	<0.10	9.8	129	136	0.074	<0.010	0.074	0.074	0.020	--
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
OCT 19...	0.30	0.20	0.30	0.030	0.030	<0.010	3	<1	19	<1
DEC 07...	0.30	<0.20	0.38	0.020	<0.010	<0.010	--	--	--	--
FEB 07...	<0.20	<0.20	--	<0.010	0.010	<0.010	--	--	--	--
APR 19...	<0.20	0.20	--	<0.010	<0.010	<0.010	--	--	--	--
JUN 07...	0.30	<0.20	0.49	0.020	<0.010	<0.010	--	--	--	--
JUL 12...	0.30	0.30	0.43	0.040	0.020	0.010	--	--	--	--
AUG 10...	0.30	0.20	0.41	0.020	0.030	0.020	--	--	--	--
16...	0.40	0.30	0.53	0.030	0.020	<0.010	--	--	--	--
SEP 06...	0.30	<0.20	0.30	0.010	<0.010	<0.010	--	--	--	--
08...	<0.20	<0.20	--	<0.010	<0.010	0.010	--	--	--	--

SAUGATUCK RIVER BASIN

01208990 SAUGATUCK RIVER NEAR REDDING, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 19...	<1	<1.0	<1	<1	<1	1	<1	100	56	<1
DEC 07...	<1	<1.0	1	<1	--	1	<1	240	94	<1
FEB 07...	<1	<1.0	<1	<1	--	<1	<1	150	76	<1
APR 19...	<1	<1.0	<1	<1	--	<1	<1	160	90	<1
JUN 07...	--	<1.0	--	<1	--	--	<1	--	160	--
JUL 12...	<1	<1.0	<1	<1	--	<1	<1	510	360	<1
AUG 10...	--	<1.0	--	<1	--	--	<1	--	200	--
AUG 16...	--	--	--	--	--	--	--	--	220	--
SEP 06...	--	--	--	--	--	--	--	--	160	--
SEP 08...	<1	<1.0	<1	<1	--	<1	<1	190	130	<1

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 19...	<1	5	<1	<1	1	<1.0	<10	3	<1.0	5.3
DEC 07...	<1	13	--	<1	<1	--	<10	<3	--	5.6
FEB 07...	<1	10	--	<1	<1	--	<10	<3	--	2.8
APR 19...	<1	18	--	<1	<1	--	<10	4	--	3.9
JUN 07...	<1	24	--	--	<1	--	--	<3	--	4.2
JUL 12...	<1	32	--	<1	<1	--	<10	4	--	--
AUG 10...	<1	16	--	--	<1	--	--	<3	--	5.4
AUG 16...	--	16	--	--	--	--	--	--	--	--
SEP 06...	--	12	--	--	--	--	--	--	--	--
SEP 08...	<1	15	--	1	<1	--	<10	7	--	4.4

NORWALK RIVER BASIN

01209700 NORWALK RIVER AT SOUTH WILTON, CT

LOCATION.--Lat 41°09'49", long 73°25'11", Fairfield County, Hydrologic Unit 01100006, on right bank at upstream side of bridge on Kent Road at South Wilton, 2.5 mi north of Norwalk.

DRAINAGE AREA.--30.0 mi².

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 for periods of estimated record, which are fair. Several measurements of water temperature and specific conductance were made during the water year and are listed in the miscellaneous specific conductance and temperature determinations tables. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminate amount of water from Streets (Popes) Pond, drainage area, 2.36 mi². High flows affected by Spectacle Swamp Detention Reservoir, drainage area, 1.16 mi².

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of October 1955 reached a stage of 13.5 ft from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	22	27	e23	108	e45	164	57	21	39	40	19
2	7.0	18	22	e23	e80	e43	140	55	20	31	30	16
3	7.4	16	19	e22	e70	e40	125	46	19	22	24	14
4	6.2	14	19	e22	e60	e40	114	41	18	16	20	13
5	5.4	27	228	e21	e54	46	101	42	16	13	22	12
6	5.2	33	137	e21	e48	45	98	34	16	12	29	11
7	4.8	22	87	e21	e43	47	129	33	16	11	20	10
8	4.5	19	64	e20	e42	75	101	111	14	30	17	9.5
9	4.3	17	51	e20	e38	73	88	69	13	37	14	9.4
10	4.1	14	42	20	e36	446	87	51	12	26	12	12
11	4.1	12	63	20	e35	340	87	43	11	18	11	10
12	8.4	11	51	e19	e33	228	89	48	100	14	11	9.2
13	16	10	40	e19	e32	192	135	44	139	11	11	8.4
14	11	9.8	37	e19	e31	188	148	31	78	9.4	14	8.9
15	9.8	9.6	35	e19	e30	203	111	28	63	16	19	9.5
16	8.0	9.2	32	e18	e30	203	140	57	54	13	15	9.1
17	6.7	11	29	e18	31	160	129	140	35	11	14	8.5
18	5.6	15	27	112	33	137	103	84	24	11	127	14
19	5.2	15	37	e96	38	121	94	80	18	9.9	67	13
20	14	16	37	e64	53	112	88	83	16	9.1	52	11
21	23	13	139	e47	107	114	75	66	15	8.4	41	9.2
22	26	12	117	e40	145	331	70	56	20	7.7	71	8.7
23	17	11	82	e35	113	275	64	49	14	59	74	142
24	15	10	e58	e32	e96	253	61	48	13	98	47	67
25	12	9.4	e48	e30	e82	217	58	44	21	52	37	45
26	9.9	8.7	e40	e29	e66	178	57	47	29	40	29	37
27	9.1	8.3	34	e29	e57	221	56	44	22	30	23	56
28	8.5	29	e29	371	e50	278	55	30	25	159	19	45
29	7.8	44	e26	486	---	316	47	26	35	118	33	32
30	9.5	33	e25	230	---	245	48	24	60	70	26	26
31	19	---	28	151	---	191	---	22	---	53	21	---
TOTAL	303.3	499.0	1710	2097	1641	5403	2862	1633	957	1054.5	990	695.4
MEAN	9.78	16.6	55.2	67.6	58.6	174	95.4	52.7	31.9	34.0	31.9	23.2
MAX	26	44	228	486	145	446	164	140	139	159	127	142
MIN	4.1	8.3	19	18	30	40	47	22	11	7.7	11	8.4
CFSM	.33	.55	1.84	2.25	1.95	5.81	3.18	1.76	1.06	1.13	1.06	.77
IN.	.38	.62	2.12	2.60	2.03	6.70	3.55	2.02	1.19	1.31	1.23	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1994, BY WATER YEAR (WY)

	MEAN	27.3	49.6	71.9	71.0	72.8	109	104	73.6	45.5	21.1	18.5	21.1
MAX	128	131	189	250	165	227	327	384	266	105	63.4	129	
(WY)	1976	1973	1984	1979	1973	1983	1983	1989	1972	1984	1976	1971	
MIN	2.02	4.23	13.2	5.90	18.1	43.7	25.4	15.9	10.4	3.73	1.64	1.64	
(WY)	1965	1965	1981	1981	1980	1982	1985	1986	1965	1966	1965	1964	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1962 - 1994

ANNUAL TOTAL	17597.9	19845.2		
ANNUAL MEAN	48.2	54.4		
HIGHEST ANNUAL MEAN			57.1	
LOWEST ANNUAL MEAN			94.6	1984
HIGHEST DAILY MEAN	514	Mar 28	1650	Apr 10 1980
LOWEST DAILY MEAN	1.7	Sep 3	.80	Sep 12 1964
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 28	.91	Sep 7 1964
INSTANTANEOUS PEAK FLOW			1090	Jan 28
INSTANTANEOUS PEAK STAGE			4.07	Jan 28
INSTANTANEOUS LOW FLOW			.94	Oct 12
ANNUAL RUNOFF (CFSM)	1.61	1.81	1.90	
ANNUAL RUNOFF (INCHES)	21.82	24.61	25.86	
10 PERCENT EXCEEDS	121	131	125	
50 PERCENT EXCEEDS	23	31	32	
90 PERCENT EXCEEDS	2.8	9.5	5.5	

e Estimated

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAUKE, CT

LOCATION.--Lat 41°08'07", long 73°25'36", Fairfield County, Hydrologic Unit 01100007, on Perry Ave., 0.6 mi south of Winnipauke, and 0.3 mi upstream from confluence of Silvermine River.

DRAINAGE AREA.--33.0 mi².

PERIOD OF RECORD.--October 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
OCT											
04...	1200	22e	305	7.4	20.0	13.0	--	9.8	94	--	--
13...	1200	18e	272	7.9	14.0	9.0	--	11.0	96	--	--
19...	1100	7.0	339	8.9	15.0	12.0	1.4	14.2	130	150	K8
25...	1105	15	396	8.3	--	10.5	--	12.4	110	--	--
NOV											
08...	1045	22	384	8.0	15.0	5.0	--	13.0	100	--	--
22...	1200	15e	343	7.8	13.0	7.5	--	13.0	107	--	--
DEC											
07...	1015	103	223	7.7	10.0	5.5	1.5	12.7	100	260	320
07...	1200	--	329	7.8	12.0	7.0	--	13.0	107	--	--
JAN											
13...	1145	23e	278	6.9	4.0	1.0	0.0	15.0	106	--	--
FEB											
01...	1130	15e	69	7.0	-6.0	1.5	--	15.0	106	--	--
07...	1020	54	303	7.8	3.5	1.0	0.80	14.3	100	32	K17
07...	1025	54	303	7.8	--	--	--	--	--	--	--
MAR											
14...	1100	195e	231	6.2	5.5	2.5	--	15.0	110	--	--
21...	1120	116e	260	6.3	9.0	4.0	--	15.0	114	--	--
29...	1220	--	195	7.6	--	4.0	--	13.1	100	--	--
APR											
07...	1000	170	237	7.9	12.5	9.0	--	11.6	101	--	--
12...	1030	86e	260	6.6	9.5	9.0	--	11.1	95	--	--
19...	1045	105	255	8.2	27.0	11.0	0.60	11.8	107	66	46
25...	1100	63e	255	6.9	18.5	13.0	--	11.8	113	--	--
MAY											
04...	0800	45e	275	7.5	8.5	12.0	--	10.0	92	--	--
10...	0955	63	263	8.3	19.0	14.5	--	11.2	110	--	--
17...	1045	181	200	6.5	10.0	13.5	--	10.2	98	--	--
25...	1130	44e	268	7.0	27.0	18.0	--	10.7	114	--	--
31...	1130	23e	325	7.3	25.0	19.0	--	12.8	137	--	--
JUN											
07...	1045	--	308	7.9	22.0	9.5	0.50	12.0	106	410	128
07...	1530	18e	292	6.9	30.0	24.5	--	9.8	118	--	--
14...	0800	97e	228	6.6	22.5	18.5	--	8.8	94	--	--
22...	1045	21e	259	6.0	22.5	20.5	--	8.0	89	--	--
28...	1330	27e	314	7.1	29.5	23.5	--	9.4	112	--	--
JUL											
06...	1050	13e	297	6.8	28.0	25.5	--	13.3	163	--	--
12...	0935	16	317	7.3	26.0	21.0	2.5	10.8	122	540	64
19...	1200	10e	326	6.8	31.0	24.0	--	11.0	130	--	--
26...	1130	6e	319	6.8	29.0	23.0	--	10.9	126	--	--
AUG											
02...	1130	33e	273	6.8	34.5	23.5	--	11.1	131	--	--
09...	1115	15e	305	8.0	22.5	19.5	--	10.4	112	--	--
10...	0925	14	298	8.2	27.0	20.0	0.90	10.2	112	520	63
16...	1100	16e	324	6.6	21.5	19.0	--	10.6	114	--	--
22...	1245	68e	222	6.6	20.5	21.0	--	8.9	101	--	--
30...	1030	29e	283	6.4	18.0	18.5	--	11.1	117	--	--
SEP											
08...	1030	8.0	322	8.0	31.5	16.0	0.70	10.0	101	560	68

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT											
04...	100	26	8.6	21	3.8	0	75	62	30	34	0.20
13...	85	22	7.2	18	3.8	0	84	69	32	30	<0.10
19...	120	32	10	25	3.4	5	79	73	37	43	0.10
25...	130	33	11	26	4.8	0	84	69	43	48	0.10
NOV											
08...	100	26	8.8	21	3.6	0	75	61	40	46	<0.10
22...	110	30	9.7	24	3.3	0	62	51	36	46	0.10
DEC											
07...	67	17	6.0	15	2.4	--	--	--	22	24	<0.10
07...	52	16	2.9	31	5.3	0	63	52	18	52	0.10
JAN											
13...	88	23	7.3	22	3.3	--	60	49	22	42	<0.10
FEB											
01...	35	12	1.3	2.0	0.90	--	63	52	8.1	3.2	<0.10
07...	83	22	6.9	23	2.3	--	--	--	21	47	<0.10
07...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	55	14	4.8	20	2.0	--	69	57	15	39	<0.10
21...	66	17	5.7	20	2.1	--	45	37	16	40	<0.10
29...	47	12	4.2	16	1.8	--	--	--	13	31	<0.10
APR											
07...	64	17	5.2	17	2.2	0	44	37	15	35	<0.10
12...	77	20	6.6	19	2.3	--	58	47	16	40	<0.10
19...	78	24	4.4	18	1.6	0	52	44	14	32	<0.10
25...	77	20	6.5	19	2.4	--	59	48	16	40	<0.10
MAY											
04...	84	22	7.0	20	2.6	--	66	54	16	41	<0.10
10...	88	23	7.3	20	2.2	0	71	58	15	39	<0.10
17...	65	17	5.4	16	2.2	--	50	41	12	28	<0.10
25...	76	20	6.3	19	2.5	--	66	54	15	36	<0.10
31...	87	23	7.2	20	2.6	--	73	60	17	42	<0.10
JUN											
07...	90	24	7.3	21	3.1	0	72	59	18	45	<0.10
07...	--	--	--	--	--	--	73	60	--	--	--
14...	68	17	6.1	15	2.6	--	61	51	13	29	<0.10
22...	79	21	6.4	18	2.7	--	--	--	16	35	<0.10
28...	92	24	7.7	19	3.0	--	90	74	14	44	0.20
JUL											
06...	95	25	8.0	22	3.1	--	83	68	15	42	0.10
12...	110	28	9.2	23	3.1	0	93	76	15	42	<0.10
19...	94	25	7.7	21	3.2	--	85	70	16	44	<0.10
26...	120	29	11	19	1.9	--	78	64	14	23	0.10
AUG											
02...	88	23	7.3	18	2.9	--	90	74	11	36	<0.10
09...	88	23	7.4	19	3.0	--	84	69	14	39	0.10
10...	100	27	7.8	21	3.0	0	88	72	15	39	<0.10
16...	100	28	8.1	20	3.4	--	97	80	14	42	0.20
22...	71	19	5.8	15	2.7	--	67	55	10	27	0.10
30...	87	23	7.2	19	3.0	--	78	61	13	36	<0.10
SEP											
08...	100	27	8.3	22	3.4	0	91	75	18	43	0.10

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)
OCT											
04...	8.0	178	--	0.480	<0.010	0.480	0.480	0.020	0.28	0.30	<0.20
13...	5.9	149	--	0.240	<0.010	0.240	0.240	0.020	--	<0.20	<0.20
19...	4.0	208	200	0.062	<0.010	0.062	0.062	0.020	0.18	0.20	<0.20
25...	8.1	221	--	0.170	<0.010	0.170	0.170	0.020	0.48	0.50	0.20
NOV											
08...	8.4	216	--	0.300	<0.010	0.300	0.300	0.030	0.17	0.20	0.20
22...	7.1	199	--	0.530	<0.010	0.530	0.530	0.010	0.19	0.20	0.20
DEC											
07...	9.2	126	138	0.440	<0.010	0.440	0.440	0.020	0.28	0.30	<0.20
07...	9.2	164	--	1.99	0.010	2.00	2.00	0.040	0.36	0.40	0.30
JAN											
13...	8.9	171	--	0.840	0.020	0.860	0.860	0.050	--	<0.20	0.30
FEB											
01...	6.3	50	--	0.150	0.020	0.170	0.170	0.010	--	<0.20	<0.20
07...	11	168	176	0.830	0.020	0.850	0.850	0.050	--	<0.20	<0.20
07...	--	--	--	0.810	0.020	0.830	0.830	0.040	--	<0.20	<0.20
MAR											
14...	7.5	128	--	0.630	0.020	0.650	0.650	0.040	--	<0.20	0.20
21...	8.0	142	--	0.610	<0.010	0.610	0.610	0.020	--	<0.20	<0.20
29...	6.6	123	--	0.540	<0.010	0.540	0.540	0.020	--	<0.20	<0.20
APR											
07...	6.2	136	--	0.490	0.020	0.510	0.510	0.030	0.17	0.20	<0.20
12...	6.0	155	--	0.410	<0.010	0.410	0.410	<0.010	--	<0.20	<0.20
19...	9.6	156	156	0.300	<0.010	0.300	0.300	0.010	--	<0.20	<0.20
25...	4.5	147	--	0.240	<0.010	0.240	0.240	0.020	0.38	0.40	0.20
MAY											
04...	4.7	166	--	0.180	<0.010	0.180	0.180	0.010	0.39	0.40	<0.20
10...	6.7	180	--	0.310	<0.010	0.310	0.310	0.010	0.39	0.40	0.20
17...	6.5	126	--	0.290	0.010	0.300	0.300	0.030	0.47	0.50	0.20
25...	5.8	151	--	0.320	<0.010	0.320	0.320	0.010	0.29	0.30	0.20
31...	3.0	166	--	0.290	0.020	0.310	0.310	0.020	0.28	0.30	<0.20
JUN											
07...	5.2	176	164	0.550	0.010	0.560	0.560	0.050	0.35	0.40	0.20
07...	--	--	--	0.470	0.010	0.480	0.480	0.050	0.25	0.30	<0.20
14...	6.9	142	--	0.440	0.020	0.460	0.460	0.070	0.53	0.60	0.40
22...	8.1	149	--	--	--	--	--	--	--	--	--
28...	9.3	191	--	--	--	--	--	--	--	--	--
JUL											
06...	5.4	206	--	0.260	<0.010	0.260	0.260	0.020	0.38	0.40	0.30
12...	5.2	183	182	0.290	<0.010	0.290	0.290	0.020	0.38	0.40	0.20
19...	4.5	183	--	0.430	<0.010	0.430	0.430	0.030	0.27	0.30	0.40
26...	3.3	189	--	1.08	0.020	1.10	1.10	0.030	0.57	0.60	0.30
AUG											
02...	8.7	177	--	0.320	<0.010	0.320	0.320	0.030	0.37	0.40	0.30
09...	4.8	177	--	0.180	<0.010	0.180	0.180	0.020	0.38	0.40	0.20
10...	4.1	170	190	0.140	<0.010	0.140	0.140	0.020	0.38	0.40	0.20
16...	4.8	191	--	0.240	<0.010	0.240	0.240	0.030	0.37	0.40	0.20
22...	6.9	127	--	0.570	0.020	0.590	0.590	0.040	0.46	0.50	0.30
30...	7.0	161	--	0.290	<0.010	0.290	0.290	0.010	0.29	0.30	0.20
SEP											
08...	1.9	188	190	0.083	<0.010	0.083	0.083	0.020	0.18	0.20	<0.20

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAU, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
OCT										
04...	0.78	0.020	0.020	0.010	--	--	--	--	--	--
13...	--	<0.010	<0.010	<0.010	--	--	--	--	--	--
19...	0.26	0.030	0.010	<0.010	3	<1	48	<1	<1	<1.0
25...	0.67	0.040	0.010	0.030	--	--	--	--	--	--
NOV										
08...	0.50	0.030	0.020	0.020	--	--	--	--	--	--
22...	0.73	0.020	<0.010	<0.010	--	--	--	--	--	--
DEC										
07...	0.74	0.050	0.020	0.030	--	--	--	--	<1	<1.0
07...	2.4	0.310	0.260	0.260	--	--	--	--	--	--
JAN										
13...	--	0.020	<0.010	0.020	--	--	--	--	--	--
FEB										
01...	--	0.020	<0.010	<0.010	--	--	--	--	--	--
07...	--	0.030	0.020	0.010	--	--	--	--	--	<1.0
07...	--	0.030	0.020	0.010	--	--	--	--	--	--
MAR										
14...	--	<0.010	0.010	<0.010	--	--	--	--	--	--
21...	--	<0.010	<0.010	<0.010	--	--	--	--	--	--
29...	--	<0.010	<0.010	0.010	--	--	--	--	--	--
APR										
07...	0.71	0.040	<0.010	<0.010	--	--	--	--	--	--
12...	--	0.020	<0.010	<0.010	--	--	--	--	--	--
19...	--	0.020	<0.010	<0.010	--	--	--	--	<1	<1.0
25...	0.64	0.020	0.020	<0.010	--	--	--	--	--	--
MAY										
04...	0.58	0.040	0.020	0.010	--	--	--	--	--	--
10...	0.71	0.030	0.010	<0.010	--	--	--	--	--	--
17...	0.80	0.070	0.020	0.020	--	--	--	--	--	--
25...	0.62	0.040	0.030	0.030	--	--	--	--	--	--
31...	0.61	0.020	0.020	0.010	--	--	--	--	--	--
JUN										
07...	0.96	0.030	0.010	<0.010	--	--	--	--	<1	<1.0
07...	0.78	0.030	<0.010	0.010	--	--	--	--	--	--
14...	1.1	0.090	0.060	0.040	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	0.66	0.080	0.060	0.050	--	--	--	--	--	--
12...	0.69	0.080	0.050	0.050	--	--	--	--	<1	<1.0
19...	0.73	0.070	0.050	0.040	--	--	--	--	--	--
26...	1.7	0.100	0.050	0.040	--	--	--	--	--	--
AUG										
02...	0.72	0.100	0.080	0.080	--	--	--	--	--	--
09...	0.58	0.070	0.050	0.030	--	--	--	--	--	--
10...	0.54	0.060	0.070	0.020	--	--	--	--	<1	<1.0
16...	0.64	0.070	0.050	0.020	--	--	--	--	--	--
22...	1.1	0.140	0.060	0.070	--	--	--	--	--	--
30...	0.59	0.050	0.040	0.030	--	--	--	--	--	--
SEP										
08...	0.28	<0.010	<0.010	<0.010	--	--	--	--	<1	<1.0

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAUK, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT										
04...	--	--	--	--	--	--	56	--	--	23
13...	--	--	--	--	--	--	67	--	--	4
19...	<1	<1	<1	2	2	180	58	<1	<1	33
25...	--	--	--	--	--	--	110	--	--	39
NOV										
08...	--	--	--	--	--	--	76	--	--	19
22...	--	--	--	--	--	--	55	--	--	20
DEC										
07...	1	<1	--	2	1	340	120	1	<1	23
07...	--	--	--	--	--	--	160	--	--	47
JAN										
13...	--	--	--	--	--	--	53	--	--	28
FEB										
01...	--	--	--	--	--	--	20	--	--	<1
07...	--	<1	--	--	<1	--	86	--	<1	29
07...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	63	--	--	21
21...	--	--	--	--	--	--	82	--	--	22
29...	--	--	--	--	--	--	60	--	--	15
APR										
07...	--	--	--	--	--	--	75	--	--	23
12...	--	--	--	--	--	--	100	--	--	28
19...	1	<1	--	5	3	400	150	2	<1	97
25...	--	--	--	--	--	--	120	--	--	25
MAY										
04...	--	--	--	--	--	--	120	--	--	36
10...	--	--	--	--	--	--	130	--	--	29
17...	--	--	--	--	--	--	150	--	--	16
25...	--	--	--	--	--	--	160	--	--	21
31...	--	--	--	--	--	--	120	--	--	24
JUN										
07...	<1	<1	--	2	1	320	140	1	<1	34
07...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	140	--	--	18
22...	--	--	--	--	--	--	180	--	--	37
28...	--	--	--	--	--	--	130	--	--	28
JUL										
06...	--	--	--	--	--	--	210	--	--	42
12...	<1	<1	--	3	2	400	160	<1	<1	48
19...	--	--	--	--	--	--	140	--	--	39
26...	--	--	--	--	--	--	52	--	--	2
AUG										
02...	--	--	--	--	--	--	220	--	--	26
09...	--	--	--	--	--	--	140	--	--	21
10...	<1	<1	--	3	1	290	110	1	<1	27
16...	--	--	--	--	--	--	83	--	--	28
22...	--	--	--	--	--	--	160	--	--	23
30...	--	--	--	--	--	--	170	--	--	24
SEP										
08...	<1	<1	--	2	1	190	97	<1	<1	33

NORWALK RIVER BASIN

01209710 NORWALK RIVER AT WINNIPAU, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT										
04...	--	--	--	--	--	--	--	--	4.3	0.8
13...	--	--	--	--	--	--	--	--	10	0.3
19...	1	1	1	<1.0	<10	5	<1.0	--	3.5	0.2
25...	--	--	--	--	--	--	--	--	4.8	0.2
NOV										
08...	--	--	--	--	--	--	--	--	5.0	0.2
22...	--	--	--	--	--	--	--	--	4.2	0.2
DEC										
07...	--	1	<1	--	60	9	--	6.3	--	--
07...	--	--	--	--	--	--	--	--	6.7	0.3
JAN										
13...	--	--	--	--	--	--	--	--	2.5	0.1
FEB										
01...	--	--	--	--	--	--	--	--	1.4	0.2
07...	--	--	<1	--	--	16	--	2.6	--	--
07...	--	--	--	--	--	--	--	--	--	--
MAR										
14...	--	--	--	--	--	--	--	--	2.6	0.2
21...	--	--	--	--	--	--	--	--	2.8	0.2
29...	--	--	--	--	--	--	--	--	3.0	0.4
APR										
07...	--	--	--	--	--	--	--	--	2.9	0.3
12...	--	--	--	--	--	--	--	--	2.6	0.2
19...	--	4	4	--	20	13	--	--	3.4	0.3
25...	--	--	--	--	--	--	--	--	2.8	--
MAY										
04...	--	--	--	--	--	--	--	--	3.3	--
10...	--	--	--	--	--	--	--	--	3.6	0.3
17...	--	--	--	--	--	--	--	--	4.2	2.0
25...	--	--	--	--	--	--	--	--	3.3	0.4
31...	--	--	--	--	--	--	--	--	3.8	0.3
JUN										
07...	--	<1	<1	--	10	6	--	3.3	--	--
07...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	5.5	0.7
22...	--	--	--	--	--	--	--	--	4.6	0.6
28...	--	--	--	--	--	--	--	--	4.0	0.6
JUL										
06...	--	--	--	--	--	--	--	--	14	0.4
12...	--	1	<1	--	20	8	--	--	5.9	0.6
19...	--	--	--	--	--	--	--	--	3.9	0.4
26...	--	--	--	--	--	--	--	--	4.9	0.3
AUG										
02...	--	--	--	--	--	--	--	--	6.7	0.5
09...	--	--	--	--	--	--	--	--	--	--
10...	--	3	<1	--	10	4	--	5.4	--	--
16...	--	--	--	--	--	--	--	--	3.6	0.4
22...	--	--	--	--	--	--	--	--	5.1	1.5
30...	--	--	--	--	--	--	--	--	--	--
SEP										
08...	--	2	<1	--	<10	4	--	3.5	--	--

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1994

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	DISCHARGE (FT ³ /S)
THAMES RIVER BASIN						
01119386 Willimantic River	Shetucket River	Lat 41°48'00", long 72°18'46", Tolland County, 300 ft upstream from bridge on U.S. Route 44.	100	1991-93	11-08-93 04-29-94 06-01-94 07-07-94 08-30-94 09-19-94 09-28-94	105 173 89.8 30.3 83.3 55.6 176
01122000 Natchaug River	Shetucket River	Lat 41°43'11", long 72°11'46", Windham County, on left bank at upstream side of bridge on U.S. Highway 6, 1 mi northeast of Willimantic, 1.6 mi upstream from mouth, and 3.7 mi downstream from Mansfield Hollow Dam.	174	1931-89 ^b 1990-93	10-08-93 05-19-94 08-31-94	71.1 299 104
01124151 Quinebaug River	Shetucket River	Lat 41°56'29", long 71°53'58", Windham County, on left bank 350 ft downstream from concrete V-notch weir below flood- control dam at West Thompson.	172	1966-89 ^b 1990-93	10-14-93 04-11-94 06-16-94 08-29-94	197 1,090 187 41.1
01125100 French River	Quinebaug River	Lat 41°58'41", long 71°54'03" Windham County, at Red Bridge Road 0.5 mi south of North Grosvenordale.	101	1992-93 ^a	10-14-93 12-13-93 03-25-94 04-28-94 06-16-94 08-29-94	62.3 410 1,070 77.8 84.4 73.8
01125500 Quinebaug River	Shetucket River	Lat 41°54'34", long 71°54'48", Windham County, on right bank at Putnam, 0.15 mi downstream from confluence of Little River.	328	1930-69 ^b 1974-93	10-14-93 04-11-94 06-17-94 08-29-94	292 1,750 315 270
01126111 Fivemile River	Quinebaug River	Lat 41°48'07", long 71°53'15", Windham County, at bridge on U.S. Highway 6, at Danielson.	76.6	1991-93	10-28-93 03-25-94 06-01-94 08-30-94 09-28-94	13.6 574 24.7 41.6 22.4
01126113 Quinebaug River	Shetucket River	Lat 41°47'54", long 71°53'13", Windham County, 1,500 ft below Fivemile River, at Powerplant of Quinebaug Partnership.	461	1991-93	10-28-93 04-08-94 06-01-94 08-30-94 09-28-94	311 2,260 395 238 734

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

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1994

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	DISCHARGE (FT ³ /S)
CONNECTICUT RIVER BASIN						
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 ^a	03-16-94 06-17-94 08-08-94	330 78.8 43.4
01190000 Farmington River	Connecticut River	Lat 41°54'41", long 72°41'16", Hartford County, on left bank at Rainbow, 0.4 mi downstream from Farmington River Power Co. dam, 1.3 mi upstream from P0quonock, 6.4 mi downstream from Salmon Brook, and at mile 8.2.	590	1929-86 ^b 1987-93	04-12-94 09-21-94	3330 48.5
01191000 North Branch Park	Connecticut River	Lat 41°47'03", long 72°42'31", Hartford County, on right bank 60 ft. downstream from stone-arch bridge on Albany Avenue in Hartford, and 3 mi upstream from confluence with South Branch.	26.8	1936-86 ^b 1987-93	01-14-94 03-24-94 08-18-94	21.6 233 482
01192310 Hockanum River	Connecticut River	Lat 41°47'36", long 72°32'26", Hartford County, at railroad bridge 1,000 ft below North Main Street, and 0.7 mi below Union Pond, in Manchester.	55.14		07-21-94 09-16-94	31.3 42.2
01192315 Hockanum River	Connecticut River	Lat 41°47'15", long 72°33'05", Hartford County, at the highway bridge on Adams Street, 1,500 ft above Bigelow Brook at Hilliardville.	56.1		09-16-94	43.1
01192323 Bigelow Brook	Hockanum River	Lat 41°47'04", long 72°33'12", Hartford County, at the mouth of Bigelow Brook, at Hilliard Street Bridge at Hilliardville.	2.95		07-21-94 09-16-94	4.16 5.03
01192332 Hockanum River	Connecticut River	Lat 41°47'10", long 72°33'34", Hartford County, 1,500 ft below New State Road, 1 mi upstream of West Middle Turnpike, in Manchester.	59.45		07-21-94 09-16-94 09-16-94	38.8 46.0 48.0
01192480 Hop Brook	Hockanum River	Lat 41°46'22", long 72°33'26", Hartford County, on right bank, 100 ft upstream from bridge on Olcott Street, and 0.7 mi upstream from mouth.	11.7	1977-83	07-21-94	2.42

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

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1994

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	DISCHARGE (FT ³ /S)
QUINNIPIAC RIVER BASIN						
01196083 Judd Brook	Tenmile River	Lat 41°33'27", long 72°54'58", New Haven County, at bridge on West Johnson Road, near Marion.	5.12		07-20-94 09-08-94	1.64 3.08
01196085 Judd Brook	Tenmile River	Lat 41°33'08", long 72°54'42", New Haven County, 1,000 ft upstream from Tenmile River, at the rear of the industrial park.	5.59		07-20-94 09-08-94	1.78 3.03
01196095 Tenmile River	Quinnipiac River	Lat 41°33'17", long 72°54'02", New Haven County, at bridge on West Johnson Road, near Milldale.	19.8		07-21-94 09-08-94	6.57 12.7
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.	2.06	1989-93	10-08-93 01-24-94 02-01-94 03-11-94 04-14-94 05-24-94 06-06-94 08-30-94	1.53 5.37 7.49 17.5 6.82 3.13 2.46 2.94
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.	3.15	1989-93	10-08-93 01-24-94 03-21-94 04-18-94 06-06-94 08-30-94	1.83 5.44 9.84 7.80 2.72 3.67
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	1974-93 ^a	10-20-93 12-06-93 08-12-94	48.5 656 72.5
MILL RIVER BASIN						
01196590 Mill River	Long Island Sound	Lat 41°27'13", long 71°54'02", New Haven County, at culverts on Old Lane Road, until June 30, 1985, 200 ft upstream Old Lane Road, since July 1, 1985, 3.0 mi south of Cheshire.	5.90	1978-93	10-08-93 11-17-93 03-16-94 07-26-94 09-20-94	0.828 1.44 37.0 0.689 0.624
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 1978-93	10-08-93 11-01-93 03-16-94 07-26-94 09-20-94	4.11 16.1 63.3 9.73 8.46
01196623 Mill River	Long Island Sound	Lat 41°24'12", long 72°53'42", New Haven County, at Bridge on Ives Street, 300 ft east of Route 10.	24.4	1993	10-08-93 11-01-93 01-25-94 03-14-94 05-27-94 07-26-94 08-18-94 09-21-94	4.48 35.8 38.6 137 24.3 10.9 208 6.89

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

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1994

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	MEASUREMENTS	
					DATE	DISCHARGE (FT ³ /S)
HOUSATONIC RIVER BASIN						
01198125 Housatonic River	Long Island Sound	Lat 42°04'29", long 73°20'02", Litchfield County, 3.4 mi above State Line, on Route 7 bridge.	465	1991-93 ^a	12-10-93 03-31-94 05-26-94	1,400 2,960 831
01198185 Konkapot River	Housatonic River	Lat 42°02'14, long 73°17'57", Litchfield County, at State Highway 124 bridge, 1,500 ft above Squabble Brook.	56.4		09-07-94	22.6
01198190 Konkapot River	Housatonic River	Lat 42°02'47, long 73°18'44", Litchfield County, at bridge on State Highway 124, 1.6 mi northeast of Canaan.	59.3	1966-67	09-07-94	27.4
01199900 Tenmile River	Housatonic River	Lat 41°39'46", long 73°33'35", Duchess County (NY), on steel bridge 2.1 mi above USGS gaging station on Tenmile River near Gaylordsville.	194	1993 ^a	10-19-93 01-14-94 03-23-94 03-24-94 05-09-94 07-08-94 09-13-94	37.6 194 1,740 2,080 451 71.4 74.6
01200600 Housatonic River	Long Island Sound	Lat 41°35'35", long 73°27'00", Litchfield County, at Boardsman Bridge 2.3 mi northwest of New Milford.	1022	1993 ^a	10-19-93 03-25-94 04-19-94 05-20-94	229 763 7,440 2,980
01201060 East Aspetuck River	Housatonic River	Lat 41°40'27", long 73°21'12", Litchfield County, at Broad Street bridge in New Preston.	14.7	1993	11-05-93 01-14-94 03-18-94 05-10-94 06-08-94 06-20-94 07-08-94 08-15-94 08-25-94 09-26-94	6.00 21.5 66.2 25.7 6.59 16.8 12.4 9.89 58.4 21.5
01201487 Still River	Housatonic River	Lat 41°27'58", long 73°24'13", Fairfield County, 800 ft upstream of Silvermine Road on Route 7 Southbound bridge.	62.3	1993a	10-14-93 03-25-94 04-19-94 05-20-94 07-14-94 09-20-94	56.2 472 211 194 50.6 47.8
01203000 Shepaug River	Housatonic River	Lat 41°32'59", long 73°19'49", Litchfield County, at Wellers Bridge, 1.2 mi south- west of Roxbury.	132	1931-71 ^b 1972-84 ^c 1985-9 ^{3d}	11-05-93 03-23-94 06-09-94	181 801 33.3
01203560 Nonewaugh River	Pomperaug River	Lat 41°35'46", long 73°10'13", Litchfield County, 200 ft upstream of Route 61, and downstream of the Watertown Pumping Station outflow.	11.1		08-05-94 08-19-94 08-30-94 09-26-94 09-29-94	8.17 239 21.1 9.23 15.2

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

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1994

STATION NUMBER AND STREAM	TRIBUTARY TO	LOCATION	DRAIN- AGE AREA (MI ²)	PREVIOUS MEASURE- MENTS (WATER YEARS)	DATE	DISCHARGE (FT ³ /S)
HOUSATONIC RIVER BASIN--Continued						
01203600 Nonewaug River	Pomperaug River	Lat 41°34'32", long 73°10'45, Litchfield County, on right bank 1,000 ft downstream from bridge by U.S. Highways 6 and 202 at Minortown, and 2.5 mi northeast of Minortown.	17.7	1962-76 1978-79	08-05-94 08-19-94 08-30-94 09-26-94 09-29-94	12.1 256 36.5 17.5 24.5
01208013 Branch Brook	Naugatuck River	Lat 41°39'13", long 73°05'43", Litchfield County, on right bank 140 ft upstream from U.S. Highway 6, and 1.7 mi southwest of Thomaston.	20.8	1975-89 ^b 1990-93	03-11-94 04-14-94 08-23-94	67.2 159 492
01208049 Naugatuck River	Housatonic River	Lat 41°36'55", long 73°03'30", New Haven County, at bridge on Frost Bridge Road, 4.5 mi north of Waterbury.	136	1980-93 ^a	10-18-93 02-18-94 03-21-94 05-03-94 07-25-94 09-16-94	44.0 154 370 210 94.3 44.5
01208171 Naugatuck River	Housatonic River	Lat 41°33'26", long 73°03'17", New Haven County, at West Main Street, at Waterbury.	174	1983-93	11-03-93 03-21-94 04-14-94 05-23-94 07-06-94 09-16-94	172 487 1700 320 142 68.4
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 at the borough of Naugatuck golf course, 400 ft east of State highway 63, 0.8 mi downstream from Hop Brook Lake, 1.4 mi north of Naugatuck, and 0.6 mi upstream of mouth.	16.3	1970-89 ^b 1990-93	11-03-93 02-01-94 03-11-94 05-11-94 07-07-94 08-23-94 09-19-94	16.3 420 255 24.7 4.64 118 13.1
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	1974-93 ^a	10-18-93 01-25-94 04-26-94 07-07-94 09-21-94	178 523 678 230 204
NORWALK RIVER BASIN						
01209549 Ridgefield Brook	Norwalk River	Lat 41°18'52", long 73°28'45", Fairfield County, 400 ft upstream of State Route 35, at exit of Connecticut Department of Environmental Protection flood control structure.	3.70	1993	10-14-93 12-06-93 03-23-94 05-12-94 07-15-94 08-18-94	3.92 28.1 29.7 3.88 4.07 27.8
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	1981-93 ^a	10-20-93 12-02-93 03-29-94 05-12-94 06-07-94	20.5 23.8 402 47.3 18.5

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

MISCELLANEOUS SPECIFIC CONDUCTANCE AND TEMPERATURE DETERMINATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)
PAWCATUCK RIVER BASIN									
	01118300	PENDLETON HILL BROOK NEAR CLARKS FALLS, CT. (LAT 41 28 29N LONG 071 50 05W)							
93-11-04	0738	79	13.0	7.5	94-03-10	1210	49	7.0	0.0
94-01-18	1350	55	-6.0	0.0					
THAMES RIVER BASIN									
	01119500	WILLIMANTIC RIVER NEAR COVENTRY, CT (LAT 41 45 02N LONG 072 15 58W)							
93-11-08	1459	93	7.0	6.5	94-07-29	0700	--	23.5	24.0
94-03-21	1358	84	9.0	3.0					
	01121000	MOUNT HOPE RIVER NEAR WARRENVILLE, CT. (LAT 41 50 37N LONG 072 10 10W)							
93-11-05	0949	83	11.0	6.0	94-03-21	0845	68	9.0	1.0
	01122000	NATCHAUG RIVER AT WILLIMANTIC, CT (LAT 41 43 11N LONG 072 11 46W)							
93-10-08	1403	81	22.5	17.0					
	01122500	SHETUCKET RIVER NEAR WILLIMANTIC, CT. (LAT 41 42 01N LONG 072 10 57W)							
93-10-08	1203	108	24.0	16.0					
	01123000	LITTLE RIVER NEAR HANOVER, CT. (LAT 41 40 18N LONG 072 03 10W)							
93-10-08	0958	79	18.0	12.5	94-02-16	1400	72	2.0	0.5
93-12-03	1459	50	9.5	5.0	94-06-17	1413	62	25.0	22.0
	011230695	SHETUCKET RIVER AT TAFTVILLE, CT. (LAT 41 34 06N LONG 072 02 44W)							
93-11-12	1010	139	9.5	5.5					
	01124000	QUINEBAUG RIVER AT QUINEBAUG, CT. (LAT 42 01 20N LONG 071 57 22W)							
93-10-14	0949	119	6.5	11.5	94-06-16	0927	121	24.5	24.5
	01124151	QUINEBAUG RIVER AT WEST THOMPSON, CT (LAT 41 56 36N LONG 071 54 03W)							
93-10-14	1250	125	12.0	11.0					
	01125100	FRENCH RIVER AT NORTH GROSVENORDALE, CT (LAT 41 58 41N LONG 071 54 03W)							
93-10-14	1115	247	13.0	11.5	94-06-16	1224	167	26.0	25.0
	01125500	QUINEBAUG RIVER AT PUTNAM, CT. (LAT 41 54 33N LONG 071 54 48W)							
93-10-14	1423	141	11.0	11.0	94-06-17	1026	128	24.5	24.5
	01126111	FIVEMILE RIVER AT DANIELSON CT (LAT 41 48 07N LONG 071 53 15W)							
93-10-28	1154	65	10.0	10.0	94-06-01	1251	72	21.0	20.0
	01126113	QUINEBAUG RIVER AT DANIELSON, CT (LAT 41 47 54N LONG 071 53 13W)							
93-10-28	1007	120	9.0	10.5	94-06-01	1046	122	20.0	20.0
	01127000	QUINEBAUG RIVER AT JEWETT CITY, CT (LAT 41 35 52N LONG 071 59 05W)							
94-04-08	0942	78	8.0	9.0					
	01127500	YANTIC RIVER AT YANTIC, CT (LAT 41 33 31N LONG 072 07 19W)							
93-11-04	1038	132	9.5	7.0	94-04-21	1216	104	11.5	12.5

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CONNECTICUT RIVER BASIN									
	01184100	STONY BROOK NEAR WEST SUFFIELD, CT. (LAT 41 57 38N LONG 072 42 39W)							
93-11-02	1300	242	8.0	5.5	94-07-27	1030	272	24.0	22.0
94-05-11	1304	171	22.0	15.5					
	01184490	BROAD BROOK AT BROAD BROOK, CT. (LAT 41 54 50N LONG 072 33 00W)							
93-11-02	1508	288	7.0	7.5	94-07-27	1245	174	26.0	25.0
94-05-11	0936	208	18.0	13.0					
	01186000	WEST BRANCH FARMINGTON RIVER AT RIVERTON, CT. (LAT 41 57 46N LONG 073 01 05W)							
93-11-04	1533	72	9.0	9.0	94-07-22	1035	77	26.0	--
	01186500	STILL RIVER AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)							
94-07-22	0915	193	26.0	25.0					
	01187300	HUBBARD RIVER NR. WEST HARTLAND, CT. (LAT 42 02 14N LONG 072 56 22W)							
93-11-04	1140	45	10.0	4.0					
	01188000	BURLINGTON BROOK NEAR BURLINGTON, CT (LAT 41 47 10N LONG 072 57 55W)							
93-10-13	1105	89	7.0	7.5	94-03-17	1107	85	-4.5	0.5
93-12-14	1326	74	4.0	2.5	94-06-13	0942	66	22.5	17.0
	01188090	FARMINGTON RIVER AT UNIONVILLE, CT (LAT 41 45 21N LONG 072 53 14W)							
94-06-13	1220	85	23.0	17.0					
	01189000	PEQUABUCK RIVER AT FORESTVILLE, CT. (LAT 41 40 23N LONG 072 54 04W)							
93-10-13	1350	206	11.0	12.0	94-06-13	1400	--	22.0	18.0
94-02-18	1101	311	10.5	4.5					
	01189030	PEQUABUCK RIVER AT FARMINGTON, CT. (LAT 41 43 00N LONG 072 54 04W)							
94-08-08	0820	297	22.0	18.5					
	01189995	FARMINGTON RIVER AT TARIFFVILLE, CT (LAT 41 54 30N LONG 072 45 40W)							
93-11-16	1234	140	10.0	9.5	94-07-26	1430	141	26.0	23.0
	01192323	BIGELOW BROOK AT HILLIARDVILLE, CT (LAT 41 47 04N LONG 072 33 12W)							
94-07-21	1100	443	33.0	18.0					
	01192500	HOCKANUM RIVER NEAR EAST HARTFORD, CT. (LAT 41 45 36N LONG 072 35 16W)							
93-11-03	1614	292	8.0	9.0	94-05-09	1431	199	22.0	17.0
	01192883	COGINCHAUG RIVER AT MIDDLEFIELD, CT (LAT 41 31 12N LONG 072 43 23W)							
93-10-06	1245	182	18.0	13.0	94-02-02	1530	170	-3.0	1.0
	01193500	SALMON RIVER NEAR EAST HAMPTON, CT (LAT 41 32 53N LONG 072 26 59W)							
93-10-06	0910	100	10.0	8.0	94-02-22	1430	120	9.0	0.5
INDIAN RIVER BASIN									
	01195100	INDIAN RIVER NEAR CLINTON, CT. (LAT 41 18 21N LONG 072 31 54W)							
93-10-07	1525	108	19.0	16.0	94-02-03	1115	85	0.0	0.5
QUINNIPIAC RIVER BASIN									
	01195490	QUINNIPIAC RIVER AT SOUTHTON, CT (LAT 41 36 06N LONG 072 53 03W)							
93-10-07	1100	345	21.0	13.0	94-03-11	1010	250	4.0	0.0
94-02-01	1440	420	-3.0	1.0	94-04-15	1155	295	23.0	12.5
	01196210	HONEYPOT BROOK AT CREAMERY ROAD AT CHESHIRE, CT (LAT 41 31 56N LONG 072 53 25W)							
93-10-08	1015	311	21.0	13.0	94-03-11	1430	237	4.0	4.0
94-02-01	1140	300	-5.0	2.0					
	01196215	HONEYPOT BROOK AT WELL FIELD AT CHESHIRE, CT (LAT 41 32 33N LONG 072 52 40W)							
93-10-08	1225	284	25.0	14.0	94-03-21	1325	260	9.5	5.5
	01196222	QUINNIPIAC RIVER NEAR MERIDEN, CT (LAT 41 31 45N LONG 072 51 50W)							
94-08-12	1230	343	28.0	18.5					
	01196500	QUINNIPIAC RIVER AT WALLINGFORD, CT (LAT 41 26 58N LONG 072 50 29W)							
93-10-28	1403	369	13.5	12.5	94-05-24	1400	370	20.0	16.5
94-02-02	1230	340	-4.0	1.0					

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MILL RIVER BASIN									
	01196600	WILLOW BR NEAR CHESHIRE, CT (LAT 41 27 35N LONG 072 55 06W)							
93-11-01	1551	184	7.5	8.5	94-03-16	1110	145	4.0	3.0
	01196620	MILL RIVER NEAR HAMDEN, CT. (LAT 41 25 15N LONG 072 54 12W)							
93-11-01	1343	188	7.5	8.5	94-03-14	1525	167	7.0	4.5
	01196623	MILL RIVER AT IVES STREET AT HAMDEN, CT (LAT 41 24 12N LONG 072 53 42W)							
93-11-01	1130	205	6.5	8.5					
HOUSATONIC RIVER BASIN									
	01199000	HOUSATONIC RIVER AT FALLS VILLAGE, CT (LAT 41 57 26N LONG 073 22 11W)							
94-07-18	1000	377	23.0	24.0	94-09-12	0910	358	16.0	18.0
	01199050	SALMON CREEK AT LIME ROCK, CT (LAT 41 56 32N LONG 073 23 29W)							
93-11-09	1355	193	3.0	4.0	94-04-18	1200	166	7.5	7.5
93-12-10	1515	192	6.0	4.5	94-06-16	1415	254	27.0	21.5
94-03-18	0940	227	-3.0	0.0	94-08-19	1350	225	20.5	18.0
	01200000	TENMILE RIVER NEAR GAYLORDSVILLE, CT (LAT 41 39 32N LONG 073 31 44W)							
93-10-19	1445	435	14.0	12.0	94-08-29	1335	318	20.0	20.0
94-02-16	1300	377	-1.0	0.0	94-09-13	1330	382	25.0	19.0
94-05-09	1400	276	15.0	15.0					
	01200500	HOUSATONIC RIVER AT GAYLORDSVILLE, CT. (LAT 41 39 11N LONG 073 29 25W)							
94-07-19	0845	378	25.5	23.5	94-09-20	0945	364	14.0	16.0
	01203000	SHEPAUG RIVER NEAR ROXBURY, CT (LAT 41 32 59N LONG 073 19 49W)							
93-11-05	0915	147	10.0	6.0	94-03-23	1330	100	17.0	4.0
	01204000	POMPERAUG RIVER AT SOUTHBURY, CT. (LAT 41 28 50N LONG 073 13 30W)							
93-10-14	0940	192	2.0	7.0	94-05-10	0945	118	20.5	13.5
94-02-01	1445	150	-4.0	0.0	94-07-15	1400	186	22.0	20.0
	01205500	HOUSATONIC RIVER AT STEVENSON, CT (LAT 41 23 02N LONG 073 10 05W)							
94-07-15	1100	246	20.0	21.0	94-08-02	0900	269	25.0	25.0
	01205600	WEST BRANCH NAUGATUCK RIVER AT TORRINGTON, CT. (LAT 41 48 03N LONG 073 07 26W)							
93-10-15	0855	156	8.0	10.0	94-04-25	1245	105	18.0	13.0
93-12-13	0930	140	-0.5	0.5	94-06-20	0930	138	27.0	24.0
94-03-21	0920	129	4.0	1.0	94-08-15	1150	144	26.0	21.0
	01205700	EAST BRANCH NAUGATUCK RIVER AT TORRINGTON, CT (LAT 41 48 12N LONG 073 07 06)							
93-10-15	1050	216	8.0	8.5	94-04-20	1415	124	13.0	12.0
93-12-07	1510	115	5.0	6.5	94-06-17	1305	123	31.0	23.0
94-02-23	1010	123	-5.0	0.0	94-08-15	1415	178	21.0	19.0
	01206900	NAUGATUCK RIVER AT THOMASTON, CT. (LAT 41 40 25N LONG 073 04 12W)							
93-10-15	1345	220	13.0	8.5	94-05-23	1410	142	29.0	19.5
94-03-14	1450	155	6.0	3.0	94-07-06	1015	190	30.0	23.0
94-04-26	1400	146	16.0	11.0	94-09-16	1400	264	19.0	18.0
	01208013	BRANCH BROOK NEAR THOMASTON, CT (LAT 41 39 13N LONG 073 05 43W)							
94-04-14	1305	96	6.0	11.0					
	01208171	NAUGATUCK RIVER AT WATERBURY, CT (LAT 41 33 26N LONG 073 03 17W)							
93-11-03	0945	212	6.0	5.0	94-07-06	0800	154	25.0	23.0
94-03-21	1445	187	5.5	4.5	94-09-16	0805	225	18.5	18.5
94-05-23	0810	156	19.0	16.0					
	01208420	HOP BROOK NEAR NAUGATUCK, CT (LAT 41 30 21N LONG 073 03 31W)							
93-11-03	1500	210	8.0	7.0	94-07-07	1410	149	35.0	28.0
94-02-01	1150	247	-1.0	0.0	94-08-23	1350	116	19.0	17.0
94-03-11	1130	182	0.0	0.5	94-09-19	1215	196	22.0	19.0
94-05-11	1330	162	22.0	16.0					
	01208500	NAUGATUCK RIVER AT BEACON FALLS, CT (LAT 41 26 32N LONG 073 03 47W)							
93-11-03	1340	277	9.0	6.5	94-07-07	1155	330	31.0	28.0
94-05-24	0900	241	20.0	17.5	94-09-19	1415	340	22.0	21.5

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MILL RIVER BASIN									
	01208925	MILL RIVER NEAR FAIRFIELD, CT (LAT 41 09 55N LONG 073 15 14W)							
93-11-08	1000	194	5.5	7.5	94-04-21	0945	164	11.5	10.5
93-12-09	1200	182	5.0	6.0	94-06-15	1145	160	25.0	--
94-02-07	1035	215	1.0	1.0	94-08-11	1015	150	17.5	21.5
SASCO BROOK BASIN									
	01208950	SASCO BROOK NEAR SOUTHPORT, CT. (LAT 41 09 10N LONG 073 18 23W)							
93-11-08	1150	202	7.0	5.5	94-04-21	0815	154	8.0	10.0
93-12-09	1315	152	6.0	4.5	94-06-15	0945	145	26.5	21.0
94-02-07	1155	--	3.5	0.5	94-08-11	0905	171	18.0	20.0
SAUGATUCK RIVER BASIN									
	01208990	SAUGATUCK RIVER NEAR REDDING, CT (LAT 41 17 40N LONG 073 23 44W)							
93-10-20	1020	254	10.0	10.5	94-06-07	1020	231	22.0	19.0
93-12-02	1420	265	4.0	3.0	94-08-16	1015	192	18.0	18.0
94-02-22	1220	224	4.0	0.5					
NORWALK RIVER BASIN									
	01209549	RIDGEFIELD BROOK AT RIDGEFIELD, CT (LAT 41 18 52N LONG 073 28 45W)							
93-10-14	1430	858	10.0	8.0	94-03-23	0945	383	15.0	1.5
	01209700	NORWALK RIVER AT SOUTH WILTON, CT. (LAT 41 09 49N LONG 073 25 11W)							
93-10-20	1135	335	10.5	11.5	94-05-12	1150	277	18.5	13.0
93-12-02	1155	379	6.0	5.0	94-06-07	1215	272	25.0	19.0
94-02-14	1155	307	-6.0	1.0	94-08-16	1230	314	22.0	19.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

Samples are collected at sites other than gaging stations and partial record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

The following data was collected as part of the Connecticut, Thames, and Housatonic Rivers NAWQA study unit sampling scheme. Additionally, tissue, sediment and/or pesticide data were collected at the following sites in Connecticut:

01121000	Mount Hope River near Warrenville, CT	01193000	Connecticut River at Middletown, CT
01124000	Quinebaug River at Quinebaug, CT	01193500	Salmon River near East Hampton, CT
01126123	Quandock Brook near Danielson, CT	01196580	Muddy River near North Haven, CT
01126850	Quinebaug River at Clayville, CT	01198185	Konkapot River at Sodom, CT
01184000	Connecticut River at Thompsonville, CT	01198190	Konkapot River near Canaan, CT
01184100	Stony Brook near West Suffield, CT	01199900	Shepaug River at Roxbury, CT
01184490	Broad Brook at Broad Brook, CT	01200000	Tennile River near Gaylordsville, CT
01184500	Scantic River at Broad Brook, CT	01200600	Housatonic River at New Milford, CT
01186500	Still River at Robertsville, CT	01204000	Pomperaug River at Southbury, CT
01189000	Pequabuck River at Forestville, CT	01208500	Naugatuck River at Beacon Falls, CT
01189995	Farmington River at Tariffville, CT	01208873	Rooster River near Fairfield, CT
01191000	North Branch Park River at Hartford, CT	01209400	W. Branch Saugatuck River nr Weston, CT
01192500	Hockanum River near East Hartford, CT	01209710	Norwalk River at Winnepaug, CT
01192883	Coginchaug River at Middlefield, CT	01209750	Silvermine River at Silvermine, CT
01192990	Connecticut River near Portland, CT	01209901	Rippowam River at Stamford, CT
412600072511501	Quinnipiac River at Quinnipiac, CT	413345072531001	Quinnipiac River near Stillmans Corner, CT
413615072423001	Mattabasset River near Little River, CT	414640073071001	W. Branch Naugatuck Ri. nr Torrington, CT
415645073025001	Still River at Nelsons Corner, CT		

To obtain this data please contact the U.S. Geological Survey, 28 Lord Rd., Suite 280, Marlborough, MA., or phone (508) 485-6360.

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS (MG/L AS CA) (00915)
THAMES RIVER BASIN										
01126123 QUANDOCK BK NR DANIELSON CT (LAT 41 45 54N LONG 071 53 24W)										
SEP 1994 09...	1205	2.1	86	--	21.5	15.0	9.5	94	20	5.4
CONNECTICUT RIVER BASIN										
01184100 STONY BK NR WEST SUFFIELD, CT. (LAT 41 57 38N LONG 072 42 39W)										
AUG 1994 10...	1420	2.5	313	6.4	22.5	20.0	7.1	78	110	32
SEP 12...	1330	1.1	351	5.8	21.0	15.0	7.4	74	140	38
01184490 BROAD BK AT BROAD BROOK, CT. (LAT 41 54 50N LONG 072 33 00W)										
OCT 1993 26...	1150	12	345	7.9	--	--	--	--	120	37
NOV 22...	1042	14	303	8.0	10.5	5.0	12.4	96	110	32
DEC 16...	1400	19	283	7.8	7.0	6.0	12.0	97	110	32
JAN 1994 24...	1100	16e	262	7.7	8.0	0.0	14.8	101	100	31
FEB 14...	1500	27e	221	7.8	-3.0	0.0	13.6	93	100	31
MAR 10...	1100	161	233	7.5	6.0	1.5	14.1	102	49	14
28...	1115	105	160	7.5	10.0	4.0	13.2	102	50	14
APR 20...	0930	36	236	8.1	14.0	12.5	10.8	102	89	27
28...	1330	36	258	8.8	29.0	17.0	10.1	102	98	30
MAY 25...	1145	22	270	8.2	25.0	8.5	11.1	96	110	32
JUN 01...	1545	20	302	--	24.5	20.0	8.7	96	110	34
21...	0930	15	312	7.8	20.0	21.0	7.8	88	120	35
JUL 19...	0815	11	308	7.6	30.0	21.0	7.9	89	88	--
27...	0845	11	311	7.9	25.0	23.0	7.7	90	120	38
AUG 09...	0815	12	330	8.0	21.0	20.0	9.2	101	130	39
17...	1400	10	359	8.1	22.0	19.0	8.2	86	130	40
SEP 14...	1430	11	332	7.2	27.5	18.5	8.4	90	130	39
16...	1040	11	336	8.2	23.0	17.0	8.8	91	130	38
01184500 SCANTIC R AT BROAD BROOK, CT. (LAT 41 54 42N LONG 072 33 48W)										
JUN 1994 02...	0830	--	190	6.4	13.5	16.5	8.0	82	64	19
SEP 14...	1215	36	245	6.7	25.0	17.5	9.3	98	90	27
01186000 WEST BRANCH FARMINGTON R AT RIVERTON, CT. (LAT 41 57 46N LONG 073 01 05W)										
AUG 1994 16...	1645	250	74	6.4	21.0	17.5	9.2	96	17	4.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINTY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
THAMES RIVER BASIN									
01126123 QUANDOCK BK NR DANIELSON CT. (LAT 41 45 54N LONG 071 53 24W)									
SEP 1994 09...	1.5	7.2	1.3	--	--	--	7.2	9.9	<0.10
CONNECTICUT RIVER BASIN									
01184100 STONY BK NR WEST SUFFIELD, CT. (LAT 41 57 38N LONG 072 42 39W)									
AUG 1994 10...	8.4	13	2.1	--	127	104	26	20	<0.10
SEP 12...	10	17	1.6	--	145	119	32	28	0.10
01184490 BROAD BK AT BROAD BROOK, CT. (LAT 41 54 50N LONG 072 33 00W)									
OCT 1993 26...	7.4	11	4.6	0	91	75	40	21	<0.10
NOV 22...	6.6	11	3.9	0	80	66	36	23	<0.10
DEC 16...	6.8	13	2.8	0	66	54	31	19	<0.10
JAN 1994 24...	6.4	16	2.6	--	--	--	32	29	<0.10
FEB 14...	6.3	16	2.3	0	66	54	31	29	<0.10
MAR 10...	3.5	18	4.8	0	38	34	16	32	<0.10
28...	3.6	9.4	2.4	--	--	--	17	17	<0.10
APR 20...	5.2	11	2.2	0	56	47	25	21	<0.10
28...	5.7	11	2.3	0	66	55	27	22	<0.10
MAY 25...	6.2	11	2.3	0	77	63	28	22	<0.10
JUN 01...	6.4	11	2.3	--	--	--	31	23	<0.10
21...	6.8	12	2.9	0	86	70	33	22	<0.10
JUL 19...	--	--	--	0	106	87	--	--	--
27...	7.0	12	3.2	0	68	56	35	22	<0.10
AUG 09...	7.8	12	3.1	--	--	--	36	23	<0.10
17...	7.9	13	3.2	0	96	79	37	23	<0.10
SEP 14...	7.7	14	3.3	0	88	72	34	23	<0.10
16...	7.4	12	3.3	0	92	75	37	24	<0.10
01184500 SCANTIC R AT BROAD BROOK, CT. (LAT 41 54 42N LONG 072 33 48W)									
JUN 1994 02...	4.1	10	1.5	--	50	41	21	17	<0.10
SEP 14...	5.5	12	1.9	--	59	48	26	19	<0.10
01186000 WEST BRANCH FARMINGTON R AT RIVERTON, CT. (LAT 41 57 46N LONG 073 01 05W)									
AUG 1994 16...	1.3	5.6	0.70	--	22	20	6.5	9.7	<0.10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
THAMES RIVER BASIN									
01126123 QUANDOCK BK NR DANIELSON CT. (LAT 41 45 54N LONG 071 53 24W)									
SEP 1994 09...	6.8	53	0.600	<0.010	0.600	0.600	0.010	--	<0.20
CONNECTICUT RIVER BASIN									
01184100 STONY BK NR WEST SUFFIELD, CT. (LAT 41 57 38N LONG 072 42 39W)									
AUG 1994 10...	7.6	186	0.970	<0.010	0.970	0.970	0.040	0.36	0.40
SEP 12...	8.9	215	0.550	<0.010	0.550	0.550	0.020	0.28	0.30
01184490 BROAD BK AT BROAD BROOK, CT. (LAT 41 54 50N LONG 072 33 00W)									
OCT 1993 26...	13	203	4.86	0.040	4.90	4.90	0.120	0.28	0.40
NOV 22...	11	200	4.37	0.030	4.40	4.40	0.130	0.37	0.50
DEC 16...	14	173	4.57	0.030	4.60	4.60	0.110	0.29	0.40
JAN 1994 24...	14	192	4.77	0.030	4.80	4.80	0.130	0.27	0.40
FEB 14...	14	192	4.88	0.020	4.90	4.90	0.130	0.17	0.30
MAR 10...	7.2	144	2.06	0.040	2.10	2.10	1.60	2.6	4.2
28...	9.1	101	1.98	0.020	2.00	2.00	0.270	0.53	0.80
APR 20...	10	144	3.26	0.040	3.30	3.30	0.050	--	<0.20
28...	9.9	173	3.27	0.030	3.30	3.30	0.030	0.47	0.50
MAY 25...	12	182	3.14	0.060	3.20	3.20	0.030	0.37	0.40
JUN 01...	11	182	3.54	0.060	3.60	3.60	0.050	0.45	0.50
21...	13	204	3.71	0.090	3.80	3.80	0.160	0.44	0.60
JUL 19...	--	--	3.57	0.030	3.60	3.60	0.080	0.42	0.50
27...	10	201	3.27	0.030	3.30	3.30	0.040	0.56	0.60
AUG 09...	11	200	3.57	0.030	3.60	3.60	0.050	0.45	0.50
17...	10	207	3.97	0.030	4.00	4.00	0.070	0.23	0.30
SEP 14...	12	210	4.58	0.020	4.60	4.60	0.050	0.65	0.70
16...	11	213	4.57	0.030	4.60	4.60	0.040	0.66	0.70
01184500 SCANTIC R AT BROAD BROOK, CT. (LAT 41 54 42N LONG 072 33 48W)									
JUN 1994 02...	10	124	1.87	0.030	1.90	1.90	0.050	0.25	0.30
SEP 14...	10	157	2.29	0.010	2.30	2.30	0.020	0.28	0.30
01186000 WEST BRANCH FARMINGTON R AT RIVERTON, CT. (LAT 41 57 46N LONG 073 01 05W)									
AUG 1994 16...	4.0	35	0.120	<0.010	0.120	0.120	0.020	--	<0.20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTH, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
THAMES RIVER BASIN									
01126123 QUANDOCK BK NR DANIELSON CT (LAT 41 45 54N LONG 071 53 24W)									
SEP 1994 09...	<0.20	--	<0.010	<0.010	<0.010	58	5	--	--
CONNECTICUT RIVER BASIN									
01184100 STONY BK NR WEST SUFFIELD, CT. (LAT 41 57 38N LONG 072 42 39W)									
AUG 1994 10...	0.30	1.4	0.080	0.070	0.060	170	51	--	--
SEP 12...	0.20	0.85	0.040	0.030	0.030	120	26	--	--
01184490 BROAD BK AT BROAD BROOK, CT. (LAT 41 54 50N LONG 072 33 00W)									
OCT 1993 26...	0.30	5.3	0.070	0.060	0.060	90	78	3.3	0.3
NOV 22...	0.40	4.9	0.070	0.060	0.060	46	53	2.9	0.3
DEC 16...	0.30	5.0	0.060	0.070	0.060	51	97	2.5	0.3
JAN 1994 24...	0.40	5.2	0.050	0.050	0.030	29	150	1.9	0.3
FEB 14...	0.20	5.2	0.040	0.020	0.020	27	150	1.4	0.4
MAR 10...	2.9	6.3	0.560	0.310	0.280	95	200	10	>4.6
28...	0.60	2.8	0.140	0.100	0.090	70	110	3.8	0.6
APR 20...	0.30	--	0.020	0.040	0.040	72	210	2.5	0.4
28...	0.20	3.8	0.040	0.030	0.030	76	210	2.6	0.4
MAY 25...	0.30	3.6	0.080	0.040	0.030	84	220	3.1	0.6
JUN 01...	0.30	4.1	0.050	0.020	0.030	63	130	--	--
21...	0.50	4.4	0.150	0.100	0.090	88	170	2.8	0.5
JUL 19...	0.40	4.1	0.080	0.050	0.040	--	--	2.1	0.5
27...	0.30	3.9	0.080	0.030	0.020	35	41	2.8	1.4
AUG 09...	0.20	4.1	0.080	0.040	0.020	52	72	2.2	1.2
17...	0.30	4.3	0.080	0.050	0.040	52	120	1.9	1.4
SEP 14...	0.30	5.3	0.110	0.050	0.040	49	87	--	--
16...	0.30	5.3	0.110	0.040	0.040	27	68	1.8	--
01184500 SCANTIC R AT BROAD BROOK, CT. (LAT 41 54 42N LONG 072 33 48W)									
JUN 1994 02...	0.20	2.2	0.050	0.040	0.030	150	46	--	--
SEP 14...	<0.20	2.6	0.030	0.030	0.030	66	22	--	--
01186000 WEST BRANCH FARMINGTON R AT RIVERTON, CT. (LAT 41 57 46N LONG 073 01 05W)									
AUG 1994 16...	<0.20	--	<0.010	<0.010	<0.010	140	25	--	--
01186500 STILL R AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)									
AUG 1994 16...	0.20	1.4	0.120	0.100	0.100	300	22	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
CONNECTICUT RIVER BASIN										
01186500 STILL R AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)										
AUG 1994	1445	28	195	6.5	23.0	20.0	9.4	104	51	14
01189000 PEQUABUCK R AT FORESTVILLE, CT. (LAT 41 40 23N LONG 072 54 04W)										
OCT 1993	0857	27	391	7.6	19.0	14.0	9.3	91	63	19
NOV 10...	1022	36	365	7.5	12.0	8.5	11.9	101	54	16
DEC 20...	1130	65	260	7.4	4.5	5.5	12.9	103	48	14
JAN 21...	1407	67	223	7.4	-5.0	1.5	13.6	96	42	12
FEB 17...	1035	45	320	7.7	6.0	3.0	13.9	102	51	15
MAR 16...	1100	212	117	7.4	5.0	3.0	12.4	94	30	8.6
MAR 30...	1130	310	154	7.3	22.5	5.0	13.8	108	27	7.7
APR 14...	0945	279	147	7.6	19.5	8.0	11.6	100	26	7.3
APR 22...	0945	100	760	8.0	18.5	9.0	13.1	114	44	13
MAY 24...	1315	67	213	8.2	26.0	18.0	9.8	104	44	13
JUN 07...	1400	47	--	--	26.5	20.0	--	--	--	--
JUN 14...	1400	88	165	6.5	29.5	19.0	8.4	91	25	5.7
JUN 20...	1325	42	246	7.2	23.0	22.0	8.2	94	51	15
JUL 20...	1035	36	308	7.5	32.0	22.0	11.2	129	60	18
AUG 16...	1025	36	306	7.4	23.0	19.0	9.5	102	200	47
AUG 23...	0915	347	110	7.8	19.5	18.0	9.2	97	25	7.2
AUG 31...	0915	82	252	5.7	15.5	16.5	8.7	89	40	12
SEP 20...	1040	45	261	7.5	26.0	16.0	9.8	100	51	15
01192323 BIGELOW BROOK AT HILLIARDVILLE, CT (LAT 41 47 04N LONG 072 33 12W)										
JUL 1994	1215	4.2	443	8.1	33.0	18.0	9.8	103	170	59
01192400 GLOBE HOLLOW RES. NR. MANCHESTER, CT (LAT 41 46 02N LONG 072 30 57W)										
AUG 1994	1215	25	170	6.4	25.0	27.5	8.3	105	28	8.0
01192480 HOP BROOK NR MANCHESTER CONN (LAT 41 46 22N LONG 072 33 26W)										
JUL 1994	1130	2.4	343	7.9	33.0	22.0	9.9	113	110	38
01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT (LAT 41 31 12N LONG 072 42 23W)										
JUN 1994	1600	41	192	6.2	--	19.0	6.2	67	--	--
SEP 14...	1845	5.5	233	6.2	--	19.5	8.0	87	86	24
01193000 CONNECTICUT R AT MIDDLETOWN, CT. (LAT 41 33 40N LONG 072 36 42W)										
JUN 1994	1545	--	132	6.4	29.5	24.0	--	--	38	12
QUINNIPIAC RIVER BASIN										
01196580 MUDDY R NR NORTH HAVEN, CT (LAT 41 22 07N LONG 072 50 31W)										
SEP 1994	0830	2.6	254	6.7	14.5	16.0	8.6	87	98	30
HOUSATONIC RIVER BASIN										
01198185 KONKAPOT RIVER AT SODOM, CT (LAT 42 02 14N LONG 073 17 57W)										
SEP 1994	1400	23	295	6.5	23.0	15.5	10.3	106	140	33
01198190 KONKAPOT RIVER NEAR CANAAN (LAT 42 02 47N LONG 073 18 44W)										
SEP 1994	1615	27	312	7.1	21.5	16.5	10.5	111	150	34

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
CONNECTICUT RIVER BASIN									
01186500	STILL R AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)								
AUG 1994 16...	3.8	14	1.9	--	47	38	7.5	25	<0.10
01189000	PEQUABUCK R AT FORESTVILLE, CT. (LAT 41 40 23N LONG 072 54 04W)								
OCT 1993 18...	3.8	50	7.6	0	49	40	33	47	0.50
NOV 10...	3.4	42	6.0	0	36	30	30	45	0.40
DEC 20...	3.2	31	3.3	0	33	27	19	33	0.20
JAN 1994 21...	2.8	25	3.4	0	40	33	16	34	0.20
FEB 17...	3.3	35	4.9	--	--	--	20	45	0.30
MAR 16...	2.1	17	2.0	--	--	--	14	25	<0.10
30...	1.8	14	2.0	--	--	--	13	22	<0.10
APR 14...	1.8	14	2.2	0	21	19	14	19	<0.10
22...	2.8	28	3.1	0	47	39	22	34	0.20
MAY 24...	2.9	20	3.2	0	35	29	15	28	0.10
JUN 07...	--	--	--	--	43	36	--	--	--
14...	2.6	2.1	2.8	--	29	24	12	21	0.10
20...	3.2	24	4.1	0	38	31	17	31	0.30
JUL 20...	3.6	37	5.8	0	55	45	21	40	0.40
AUG 16...	19	12	2.3	0	43	35	12	19	<0.10
23...	1.6	8.7	1.0	--	--	--	8.6	12	<0.10
31...	2.5	28	3.9	--	38	31	24	29	0.20
SEP 20...	3.2	26	4.8	0	39	33	17	34	0.30
01192323	BIGELOW BROOK AT HILLIARDVILLE, CT (LAT 41 47 04N LONG 072 33 12W)								
JUL 1994 21...	6.2	25	1.3	--	--	--	24	45	0.10
01192400	GLOBE HOLLOW RES. NR. MANCHESTER, CT (LAT 41 46 02N LONG 072 30 57W)								
AUG 1994 08...	2.0	18	2.2	--	18	15	10	28	0.10
01192480	HOP BROOK NR MANCHESTER CONN (LAT 41 46 22N LONG 072 33 26W)								
JUL 1994 21...	4.2	25	1.7	--	--	--	26	45	0.10
01192883	COGINCHAUG RIVER AT MIDDLEFIELD, CT (LAT 41 31 12N LONG 072 42 23W)								
JUN 1994 13...	--	--	--	--	68	56	--	--	--
SEP 14...	6.4	11	1.5	--	100	82	14	16	0.10
01193000	CONNECTICUT R AT MIDDLETOWN, CT. (LAT 41 33 40N LONG 072 36 42W)								
JUN 1994 22...	1.9	9.1	1.4	--	--	--	9.7	13	<0.10
QUINNIPIAC RIVER BASIN									
01196580	MUDDY R NR NORTH HAVEN, CT (LAT 41 22 07N LONG 072 50 31W)								
SEP 1994 15...	5.7	12	1.5	--	86	70	16	18	<0.10
HOUSATONIC RIVER BASIN									
01198185	KONKAPOT RIVER AT SODOM, CT (LAT 42 02 14N LONG 073 17 57W)								
SEP 1994 07...	14	7.0	1.6	--	154	126	8.6	11	<0.10
01198190	KONKAPOT RIVER NEAR CANAAN (LAT 42 02 47N LONG 073 18 44W)								
SEP 1994 07...	15	6.4	1.7	--	167	137	9.2	10	<0.10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
CONNECTICUT RIVER BASIN									
01186500	STILL R AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)								
AUG 1994 16...	6.1	112	0.980	0.020	1.00	1.00	0.050	0.35	0.40
01189000	PEQUABUCK R AT FORESTVILLE, CT. (LAT 41 40 23N LONG 072 54 04W)								
OCT 1993 18...	12	222	7.47	0.330	7.80	7.80	1.20	1.3	2.5
NOV 10...	12	218	7.40	0.100	7.50	7.50	0.150	0.95	1.1
DEC 20...	11	152	--	--	--	--	--	--	--
JAN 1994 21...	10	132	1.93	0.370	2.30	2.30	1.40	0.60	2.0
FEB 17...	11	179	1.88	0.420	2.30	2.30	4.30	1.3	5.6
MAR 16...	7.7	95	0.960	0.040	1.00	1.00	0.840	0.46	1.3
30...	7.2	90	0.830	0.020	0.850	0.850	0.590	0.41	1.0
APR 14...	7.3	88	0.850	0.070	0.920	0.920	0.640	0.36	1.0
22...	9.4	159	1.94	0.160	2.10	2.10	2.00	0.90	2.9
MAY 24...	9.3	134	1.71	0.790	2.50	2.50	0.260	0.54	0.80
JUN 07...	--	--	3.00	1.10	4.10	4.10	0.100	1.2	1.3
14...	5.8	109	1.41	0.590	2.00	2.00	0.100	0.70	0.80
20...	11	151	3.30	1.10	4.40	4.40	0.130	0.77	0.90
JUL 20...	11	185	4.64	0.160	4.80	4.80	0.210	0.99	1.2
AUG 16...	6.1	224	5.74	0.060	5.80	5.80	0.060	0.84	0.90
23...	7.6	77	0.880	0.010	0.890	0.890	0.030	0.37	0.40
31...	10	147	1.61	0.690	2.30	2.30	1.10	0.40	1.5
SEP 20...	10	166	5.48	0.020	5.50	5.50	0.030	0.57	0.60
01192323	BIGELOW BROOK AT HILLIARDVILLE, CT (LAT 41 47 04N LONG 072 33 12W)								
JUL 1994 21...	15	264	2.60	<0.010	2.60	2.60	0.030	--	--
01192400	GLOBE HOLLOW RES. NR. MANCHESTER, CT (LAT 41 46 02N LONG 072 30 57W)								
AUG 1994 08...	3.5	92	0.440	<0.010	0.440	0.440	0.030	0.27	0.30
01192480	HOP BROOK NR MANCHESTER CONN (LAT 41 46 22N LONG 072 33 26W)								
JUL 1994 21...	12	204	1.10	<0.010	1.10	1.10	0.020	--	--
01192883	COGINCHAUG RIVER AT MIDDLEFIELD, CT (LAT 41 31 12N LONG 072 42 23W)								
JUN 1994 13...	--	--	0.290	0.010	0.300	0.300	0.080	0.42	0.50
SEP 14...	16	157	0.350	<0.010	0.350	0.350	0.020	0.28	0.30
01193000	CONNECTICUT R AT MIDDLETOWN, CT. (LAT 41 33 40N LONG 072 36 42W)								
JUN 1994 22...	5.0	76	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN									
01196580	MUDDY R NR NORTH HAVEN, CT (LAT 41 22 07N LONG 072 50 31W)								
SEP 1994 15...	10	154	2.20	<0.010	2.20	2.20	0.030	--	<0.20
HOUSATONIC RIVER BASIN									
01198185	KONKAPOT RIVER AT SODOM, CT (LAT 42 02 14N LONG 073 17 57W)								
SEP 1994 07...	4.5	161	0.230	<0.010	0.230	0.230	0.020	--	<0.20
01198190	KONKAPOT RIVER NEAR CANAAN (LAT 42 02 47N LONG 073 18 44W)								
SEP 1994 07...	5.0	178	0.380	<0.010	0.380	0.380	0.010	--	<0.20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
CONNECTICUT RIVER BASIN									
01186500 STILL R AT ROBERTSVILLE, CT. (LAT 41 58 02N LONG 073 02 04W)									
AUG 1994 16...	0.20	1.4	0.120	0.100	0.100	300	22	--	--
01189000 PEQUABUCK R AT FORESTVILLE, CT. (LAT 41 40 23N LONG 072 54 04W)									
OCT 1993 18...	1.8	10	1.40	1.20	1.20	72	21	6.3	1.7
NOV 10...	0.70	8.6	1.30	1.10	1.10	110	25	5.7	1.3
DEC 20...	--	--	--	--	--	140	48	--	--
JAN 1994 21...	1.6	4.3	0.470	0.400	0.380	100	57	3.4	0.6
FEB 17...	5.2	7.9	0.970	0.880	0.740	110	120	5.1	1.0
MAR 16...	1.5	2.3	0.160	0.120	0.100	110	76	2.9	0.8
30...	0.80	1.8	0.170	0.100	0.090	86	66	2.5	0.9
APR 14...	0.80	1.9	0.180	0.120	0.090	110	41	2.7	0.9
22...	2.5	5.0	0.430	0.320	0.300	140	54	3.3	0.9
MAY 24...	0.60	3.3	0.460	0.430	0.400	110	56	3.5	0.5
JUN 07...	0.80	5.4	0.790	0.720	0.630	--	--	--	--
14...	0.40	2.8	0.380	0.270	0.230	17	7	--	--
20...	0.60	5.3	0.690	0.670	0.570	240	78	4.0	0.1
JUL 20...	0.90	6.0	1.10	1.00	0.920	110	57	5.0	1.4
AUG 16...	0.40	6.7	1.00	0.910	0.940	45	11	4.2	0.9
23...	<0.20	1.3	0.110	0.060	0.050	190	31	4.2	1.2
31...	1.4	3.8	0.430	0.410	0.360	220	100	--	--
SEP 20...	0.40	6.1	0.830	0.730	0.770	99	23	3.5	0.5
01192323 BIGELOW BROOK AT HILLIARDVILLE, CT (LAT 41 47 04N LONG 072 33 12W)									
JUL 1994 21...	<0.20	--	--	<0.010	<0.010	42	33	--	--
01192400 GLOBE HOLLOW RES. NR. MANCHESTER, CT (LAT 41 46 02N LONG 072 30 57W)									
AUG 1994 08...	0.30	0.74	0.060	0.030	0.020	500	38	--	--
01192480 HOP BROOK NR MANCHESTER CONN (LAT 41 46 22N LONG 072 33 26W)									
JUL 1994 21...	<0.20	--	--	<0.010	<0.010	190	54	--	--
01192883 COGINCHAUG RIVER AT MIDDLEFIELD, CT (LAT 41 31 12N LONG 072 42 23W)									
JUN 1994 13...	0.40	0.80	0.090	0.070	0.040	--	--	--	--
SEP 14...	0.30	0.65	0.040	0.040	0.030	150	27	--	--
01193000 CONNECTICUT R AT MIDDLETOWN, CT. (LAT 41 33 40N LONG 072 36 42W)									
JUN 1994 22...	--	--	--	--	--	84	15	--	--
QUINNIPIAC RIVER BASIN									
01196580 MUDDY R NR NORTH HAVEN, CT (LAT 41 22 07N LONG 072 50 31W)									
SEP 1994 15...	<0.20	--	0.060	0.010	0.010	35	12	--	--
HOUSATONIC RIVER BASIN									
01198185 KONKAPOT RIVER AT SODOM, CT (LAT 42 02 14N LONG 073 17 57W)									
SEP 1994 07...	<0.20	--	<0.010	<0.010	<0.010	98	21	1.9	0.2
01198190 KONKAPOT RIVER NEAR CANAAN (LAT 42 02 47N LONG 073 18 44W)									
SEP 1994 07...	<0.20	--	0.020	<0.010	<0.010	89	26	1.9	0.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD) UNITS (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
HOUSATONIC RIVER BASIN										
01200600 HOUSATONIC R NR NEW MILFORD, CT (LAT 41 35 35N LONG 073 27 00W)										
OCT 1993										
21...	1350	--	315	8.8	12.0	11.0	10.8	98	130	33
NOV										
29...	1437	--	181	8.0	6.5	6.5	11.7	95	76	19
DEC										
15...	1430	--	238	7.8	8.5	2.0	13.4	98	110	27
JAN 1994										
27...	1430	2900	313	8.1	-9.5	0.0	15.0	101	130	31
FEB										
15...	1355	--	307	8.0	-2.5	0.0	13.9	95	120	30
MAR										
24...	1300	4450	144	8.0	22.5	3.0	13.6	101	85	21
31...	1500	4200	208	8.1	14.0	4.0	13.6	104	80	20
APR										
11...	1345	--	188	8.1	18.0	7.0	12.0	98	77	20
26...	1445	--	253	8.3	17.0	12.0	11.2	104	110	28
MAY										
26...	1315	--	290	8.3	21.0	9.5	11.0	98	110	29
JUN										
07...	1030	--	308	7.3	25.5	19.5	9.0	98	--	--
22...	1355	--	412	8.3	25.0	21.0	9.0	101	140	34
28...	1045	--	319	7.4	24.5	23.0	7.9	93	140	34
JUL										
26...	1130	160	258	8.2	--	26.0	8.6	108	110	26
AUG										
16...	1315	--	330	8.6	28.0	21.0	10.3	116	140	34
22...	1230	--	286	8.1	19.5	20.0	8.4	94	110	28
23...	0715	--	257	7.2	22.0	18.0	8.6	91	110	28
29...	1320	--	286	8.5	27.0	22.0	8.8	102	120	30
SEP										
21...	1020	440	371	8.5	26.0	17.0	10.1	104	150	37
01201485 STILL R AT BROOKFIELD JUNCTION, CT (LAT 41 27 23N LONG 073 23 47W)										
AUG 1994										
17...	1330	--	510	6.1	208.0	19.0	8.5	92	160	41
01204000 POMPERAUG R AT SOUTHURY, CT. (LAT 41 28 50N LONG 073 13 30W)										
JUN 1994										
13...	1630	304	111	6.3	26.5	18.5	8.6	92	27	7.3
ROOSTER RIVER BASIN										
01208873 ROOSTER RIVER AT FAIRFIELD, CT (LAT 41 10 47N LONG 073 13 10W)										
OCT 1993										
25...	1450	6.4	291	7.3	--	--	--	--	76	22
NOV										
08...	1435	6.4	289	7.2	8.0	9.5	10.3	89	69	20
DEC										
17...	1200	11	269	7.4	4.5	6.0	12.0	97	67	19
JAN 1994										
28...	1315	502	515	6.8	9.0	1.0	14.1	100	25	8.1
FEB										
18...	1110	10	419	7.4	9.5	3.0	13.4	98	69	20
MAR										
21...	1400	23	326	6.4	6.0	8.0	13.1	110	66	19
29...	1455	77	203	7.2	4.5	6.0	12.4	100	41	12
APR										
12...	1345	37	263	6.9	8.5	9.0	6.0	51	60	17
MAY										
31...	1600	7.8	317	7.3	29.0	16.0	10.2	103	70	20
JUL										
06...	1315	3.1	271	7.2	29.5	21.5	9.2	104	69	20
AUG										
02...	1330	3.1	297	6.4	30.0	23.0	10.5	122	66	19
09...	1440	2.0	294	6.3	26.5	22.5	12.2	139	66	19
SEP										
27...	1245	40	101	7.1	18.0	17.0	9.0	93	25	7.1
SAUGATUCK RIVER BASIN										
01209400 WEST BRANCH SAUGATUCK RIVER NR WESTON, CT. (LAT 41 10 41N LONG 073 22 50W)										
SEP 1994										
08...	1545	1.7	150	--	20.5	16.5	9.7	99	41	11
NORWALK RIVER BASIN										
01209750 SILVERMINE R AT SILVERMINE, CT. (LAT 41 09 04N LONG 073 26 37W)										
SEP 1994										
08...	0945	2.6	231	--	16.0	15.0	9.3	92	60	16
RIPPOWAM RIVER BASIN										
01209901 RIPPOWAM RIVER AT STAMFORD, CT. (LAT 41 03 56N LONG 073 32 59W)										
SEP 1994										
07...	1355	4.4	308	6.4	20.0	17.0	10.0	103	65	18

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS NA) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
HOUSATONIC RIVER BASIN									
01200600 HOUSATONIC R NR NEW MILFORD, CT (LAT 41 35 35N LONG 073 27 00W)									
OCT 1993									
21...	12	13	2.3	4	141	122	18	19	<0.10
NOV									
29...	7.0	6.1	2.4	--	--	--	13	11	<0.10
DEC									
15...	9.9	7.9	1.2	0	108	89	14	12	<0.10
JAN 1994									
27...	12	12	1.5	--	--	--	16	18	<0.10
FEB									
15...	11	10	1.4	--	--	--	14	17	<0.10
MAR									
24...	7.9	8.2	1.3	--	--	--	11	15	<0.10
31...	7.4	7.1	1.1	--	--	--	11	13	<0.10
APR									
11...	6.6	6.2	1.1	0	78	67	9.9	11	<0.10
26...	9.4	8.7	1.3	0	101	88	11	16	<0.10
MAY									
26...	10	9.6	1.2	0	131	107	11	15	<0.10
JUN									
07...	--	--	--	--	154	126	--	--	--
22...	13	13	1.8	0	129	106	13	19	<0.10
28...	13	13	1.8	--	152	125	12	19	<0.10
JUL									
26...	10	10	1.7	0	101	83	11	16	<0.10
AUG									
16...	14	12	2.0	0	164	134	12	19	<0.10
22...	10	10	1.8	--	--	--	11	15	<0.10
23...	9.6	8.4	2.1	--	127	104	9.9	12	<0.10
29...	11	9.0	1.3	0	144	118	10	14	<0.10
SEP									
21...	14	14	2.3	0	182	149	15	22	<0.10
01201485 STILL R AT BROOKFIELD JUNCTION, CT (LAT 41 27 23N LONG 073 23 47W)									
AUG 1994									
17...	13	33	5.0	--	139	112	27	60	0.20
01204000 POMPERAUG R AT SOUTHBURY, CT. (LAT 41 28 50N LONG 073 13 30W)									
JUN 1994									
13...	2.1	6.9	1.6	--	23	19	9.1	11	<0.10
ROOSTER RIVER BASIN									
01208873 ROOSTER RIVER AT FAIRFIELD, CT (LAT 41 10 47N LONG 073 13 10W)									
OCT 1993									
25...	5.0	25	4.1	0	43	35	29	39	0.20
NOV									
08...	4.7	23	3.7	0	40	33	27	41	0.10
DEC									
17...	4.8	24	3.1	0	36	30	27	33	<0.10
JAN 1994									
28...	1.2	84	3.3	--	--	--	11	140	<0.10
FEB									
18...	4.6	51	3.5	0	32	26	26	91	0.10
MAR									
21...	4.4	30	3.1	--	33	22	24	60	0.10
29...	2.7	18	2.2	--	--	--	17	34	<0.10
APR									
12...	4.2	25	2.8	--	33	27	21	45	0.10
MAY									
31...	4.8	26	3.3	--	48	39	24	49	0.10
JUL									
06...	4.6	24	3.9	--	42	34	24	42	0.20
AUG									
02...	4.4	25	4.2	--	59	48	23	44	0.20
09...	4.4	24	3.8	--	46	37	24	42	0.20
SEP									
27...	1.7	7.5	2.0	--	--	--	9.3	12	<0.10
SAUGATUCK RIVER BASIN									
01209400 WEST BRANCH SAUGATUCK RIVER NR WESTON, CT. (LAT 41 10 41N LONG 073 22 50W)									
SEP 1994									
08...	3.3	12	1.6	--	--	--	10	20	0.10
NORWALK RIVER BASIN									
01209750 SILVERMINE R AT SILVERMINE, CT. (LAT 41 09 04N LONG 073 26 37W)									
SEP 1994									
08...	4.9	21	1.7	95	--	--	13	37	0.10
RIPPOWAM RIVER BASIN									
01209901 RIPPOWAM RIVER AT STAMFORD, CT. (LAT 41 03 56N LONG 073 32 59W)									
SEP 1994									
07...	4.8	29	2.6	--	48	39	13	55	<0.10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
HOUSATONIC RIVER BASIN									
01200600 HOUSATONIC R NR NEW MILFORD, CT (LAT 41 35 35N LONG 073 27 00W)									
OCT 1993									
21...	0.46	177	--	<0.010	--	<0.050	0.020	0.58	0.60
NOV									
29...	4.2	118	0.280	0.010	0.290	0.290	0.080	0.62	0.70
DEC									
15...	5.2	138	0.470	<0.010	0.470	0.470	0.030	0.17	0.20
JAN 1994									
27...	5.6	173	0.710	<0.010	0.710	0.710	0.110	0.19	0.30
FEB									
15...	5.7	162	0.690	<0.010	0.690	0.690	0.090	0.21	0.30
MAR									
24...	4.3	123	0.470	<0.010	0.470	0.470	0.070	0.33	0.40
31...	4.3	116	0.370	0.030	0.400	0.400	0.040	--	<0.20
APR									
11...	4.0	105	0.310	<0.010	0.310	0.310	0.040	0.36	0.40
26...	3.5	144	0.290	0.010	0.300	0.300	0.020	--	<0.20
MAY									
26...	2.3	153	0.200	<0.010	0.200	0.200	0.030	0.47	0.50
JUN									
07...	--	--	0.190	<0.010	0.190	0.190	0.040	0.26	0.30
22...	3.1	187	0.340	0.010	0.350	0.350	0.030	0.47	0.50
28...	4.6	183	--	--	--	--	--	--	--
JUL									
26...	4.5	155	0.410	0.010	0.420	0.420	<0.010	0.40	0.40
AUG									
16...	4.2	183	0.170	<0.010	0.170	0.170	0.030	0.47	0.50
22...	4.7	157	0.360	<0.010	0.360	0.360	0.030	0.57	0.60
23...	6.1	140	0.410	0.010	0.420	0.420	0.030	0.57	0.60
29...	5.5	156	0.280	0.020	0.300	0.300	0.130	0.17	0.30
SEP									
21...	2.3	207	0.390	<0.010	0.390	0.390	0.020	0.38	0.40
01201485 STILL R AT BROOKFIELD JUNCTION, CT (LAT 41 27 23N LONG 073 23 47W)									
AUG 1994									
17...	8.4	293	4.97	0.030	5.00	5.00	0.070	0.43	0.50
01204000 POMPERAUG R AT SOUTHBURY, CT. (LAT 41 28 50N LONG 073 13 30W)									
JUN 1994									
13...	6.5	73	0.380	0.010	0.390	0.390	0.050	0.65	0.70
ROOSTER RIVER BASIN									
01208873 ROOSTER RIVER AT FAIRFIELD, CT (LAT 41 10 47N LONG 073 13 10W)									
OCT 1993									
25...	12	165	1.99	0.010	2.00	2.00	0.030	0.17	0.20
NOV									
08...	12	160	1.88	0.020	1.90	1.90	0.050	--	<0.20
DEC									
17...	12	150	2.49	0.010	2.50	2.50	0.060	--	<0.20
JAN 1994									
28...	1.6	263	0.620	0.020	0.640	0.640	0.210	0.99	1.2
FEB									
18...	10	240	2.38	0.020	2.40	2.40	0.030	0.17	0.20
MAR									
21...	9.4	183	2.10	<0.010	2.10	2.10	0.030	0.17	0.20
29...	6.3	121	1.59	0.010	1.60	1.60	0.030	0.17	0.20
APR									
12...	8.1	162	1.89	0.010	1.90	1.90	0.050	0.65	0.70
MAY									
31...	9.3	182	1.87	0.030	1.90	1.90	0.110	0.29	0.40
JUL									
06...	9.6	179	1.70	<0.010	1.70	1.70	0.050	0.25	0.30
AUG									
02...	8.2	170	1.22	0.080	1.30	1.30	0.670	0.53	1.2
09...	8.9	157	1.50	<0.010	1.50	1.50	0.030	--	<0.20
SEP									
27...	4.8	63	0.830	<0.010	0.830	0.830	0.040	0.36	0.40
SAUGATUCK RIVER BASIN									
01209400 WEST BRANCH SAUGATUCK RIVER NR WESTON, CT. (LAT 41 10 41N LONG 073 22 50W)									
SEP 1994									
08...	9.7	98	0.350	<0.010	0.350	0.350	0.010	0.19	0.20
NORWALK RIVER BASIN									
01209750 SILVERMINE R AT SILVERMINE, CT. (LAT 41 09 04N LONG 073 26 37W)									
SEP 1994									
08...	6.8	133	0.370	<0.010	0.370	0.370	0.010	--	<0.20
RIPPOWAM RIVER BASIN									
01209901 RIPPOWAM RIVER AT STAMFORD, CT. (LAT 41 03 56N LONG 073 32 59W)									
SEP 1994									
07...	6.2	159	0.530	<0.010	0.530	0.530	<0.010	--	<0.20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
HOUSATONIC RIVER BASIN									
01200600	HOUSATONIC R NR NEW MILFORD, CT (LAT 41 35 35N LONG 073 27 00W)								
OCT 1993									
21...	0.60	0.60	0.060	0.050	0.020	180	37	4.2	1.4
NOV									
29...	0.20	0.99	0.210	0.020	0.030	120	10	5.4	4.9
DEC									
15...	<0.20	0.67	0.010	0.010	0.010	53	16	2.9	0.3
JAN 1994									
27...	0.30	1.0	0.030	0.020	0.010	69	13	2.3	0.2
FEB									
15...	<0.20	0.99	0.020	0.020	0.010	34	10	2.0	0.3
MAR									
24...	0.20	0.87	0.100	0.030	0.030	43	12	2.5	--
31...	<0.20	--	0.050	<0.010	<0.010	30	8	2.5	0.5
APR									
11...	<0.20	0.71	0.070	0.020	<0.010	37	9	2.6	1.3
26...	<0.20	--	0.010	<0.010	<0.010	44	13	2.5	0.4
MAY									
26...	<0.20	0.70	0.040	<0.010	<0.010	23	6	2.8	0.6
JUN									
07...	<0.20	0.49	0.020	<0.010	<0.010	--	--	--	--
22...	0.20	0.85	0.030	<0.010	<0.010	21	5	2.9	0.9
28...	--	--	--	--	--	42	5	--	--
JUL									
26...	0.30	0.82	0.570	0.040	0.010	36	2	5.2	1.5
AUG									
16...	<0.20	0.67	0.020	<0.010	<0.010	18	4	3.0	2.0
22...	<0.20	0.96	0.120	0.020	0.020	50	6	4.6	3.7
23...	0.30	1.0	0.100	0.020	0.030	82	7	--	--
29...	0.30	0.60	0.030	0.030	0.030	36	6	4.1	0.6
SEP									
21...	<0.20	0.79	<0.010	0.020	<0.010	22	4	2.8	0.5
01201485	STILL R AT BROOKFIELD JUNCTION, CT (LAT 41 27 23N LONG 073 23 47W)								
AUG 1994									
17...	0.40	5.5	0.130	0.090	0.080	110	70	--	--
01204000	POMPERAUG R AT SOUTHBURY, CT. (LAT 41 28 50N LONG 073 13 30W)								
JUN 1994									
13...	0.40	1.1	0.180	0.030	0.020	250	13	--	--
ROOSTER RIVER BASIN									
01208873	ROOSTER RIVER AT FAIRFIELD, CT (LAT 41 10 47N LONG 073 13 10W)								
OCT 1993									
25...	<0.20	2.2	0.030	<0.010	0.010	56	24	2.5	0.1
NOV									
08...	<0.20	--	0.010	<0.010	0.020	69	25	2.6	0.2
DEC									
17...	<0.20	--	<0.010	0.010	0.010	110	40	1.6	0.1
JAN 1994									
28...	0.50	1.8	0.290	0.040	0.030	87	79	3.8	5.0
FEB									
18...	0.20	2.6	0.020	0.020	<0.010	37	67	1.6	0.2
MAR									
21...	<0.20	2.3	0.010	<0.010	<0.010	120	88	1.8	0.3
29...	<0.20	1.8	0.040	<0.010	0.010	96	68	2.7	0.6
APR									
12...	<0.20	2.6	0.060	<0.010	0.010	110	55	--	1.0
MAY									
31...	0.30	2.3	0.020	0.020	0.020	100	33	2.2	--
JUL									
06...	<0.20	2.0	0.050	0.040	0.030	59	22	2.5	0.3
AUG									
02...	1.0	2.5	0.180	0.150	0.130	89	34	3.2	0.4
09...	<0.20	--	0.040	0.030	0.020	33	18	--	--
SEP									
27...	0.20	1.2	0.060	0.020	0.020	130	24	4.1	1.3
SAUGATUCK RIVER BASIN									
01209400	WEST BRANCH SAUGATUCK RIVER NR WESTON, CT. (LAT 41 10 41N LONG 073 22 50W)								
SEP 1994									
08...	0.20	0.55	0.010	0.020	0.010	130	12	--	--
NORWALK RIVER BASIN									
01209750	SILVERMINE R AT SILVERMINE, CT. (LAT 41 09 04N LONG 073 26 37W)								
SEP 1994									
08...	<0.20	--	0.010	<0.010	0.010	110	6	--	--
RIPPOWAM RIVER BASIN									
01209901	RIPPOWAM RIVER AT STAMFORD, CT. (LAT 41 03 56N LONG 073 32 59W)								
SEP 1994									
07...	<0.20	--	<0.010	<0.010	0.010	87	15	--	--

GROUND-WATER LEVELS

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 Route 7 at north town line, Brookfield; New Milford quadrangle. Owner: U.S. Geological Survey.

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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map. Measuring point: Top of casing, 0.40 ft above land-surface datum.

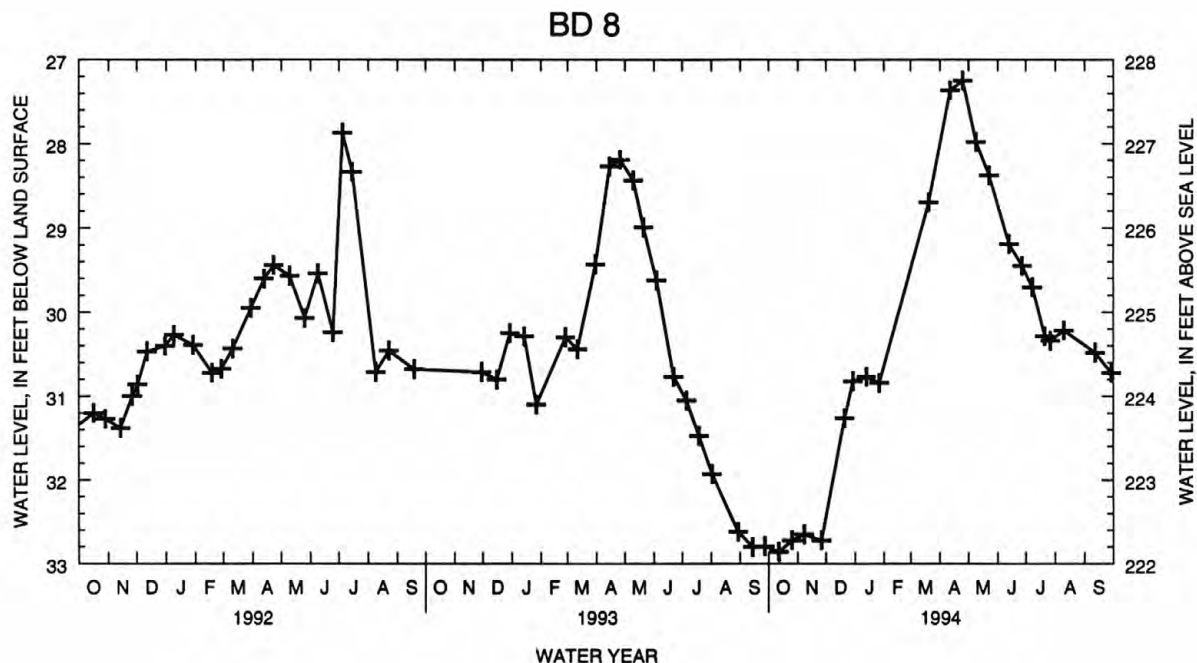
PERIOD OF RECORD.--January 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.33 ft below land-surface datum, April 26, 1983; lowest measured, 33.41 ft below land-surface datum, January 26, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 12	32.86	DEC 30	30.82	APR 25	27.25	JUL 08	29.70	SEP 29	30.72
26	32.72	JAN 13	30.77	MAY 09	27.98	21	30.29		
NOV 08	32.65	27	30.84	23	28.38	27	30.34		
26	32.72	MAR 20	28.70	JUN 13	29.19	AUG 10	30.22		
DEC 21	31.26	APR 12	27.36	27	29.45	SEP 12	30.48		

WATER YEAR 1994 HIGHEST 27.25 APR 25, 1994 LOWEST 32.86 OCT 12, 1993



GROUND-WATER LEVELS

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 2000 ft southwest of State Route 59 overpass (exit 46), Fairfield; Westport quadrangle.

Owner: Connecticut Department of Transportation, formerly reported as U.S. Geological Survey.

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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 130 ft above sea level, from topographic map.

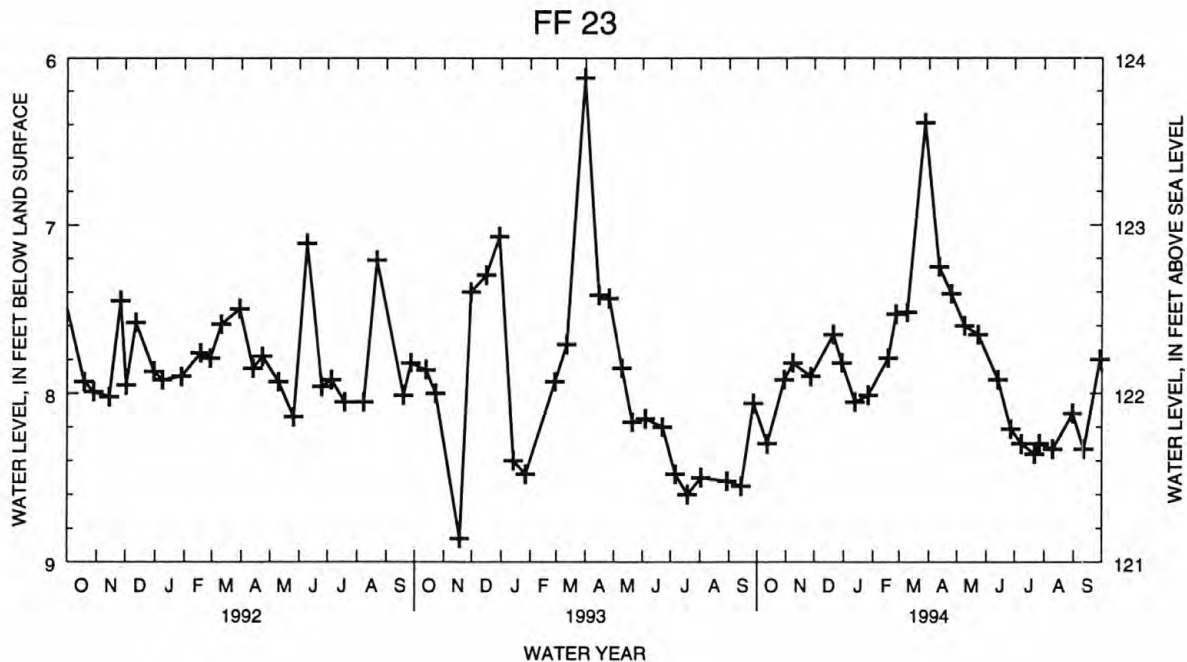
Measuring point: Top of casing, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--October 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.64 ft below land-surface datum, April 10, 1980; lowest measured, 8.86 ft below land-surface datum, November 18, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	8.30	DEC 30	7.82	MAR 09	7.52	MAY 23	7.65	JUL 27	8.30
30	7.92	JAN 13	8.05	28	6.39	JUN 13	7.92	AUG 10	8.33
NOV 08	7.82	27	8.01	APR 12	7.25	27	8.21	31	8.12
27	7.90	FEB 17	7.79	25	7.41	JUL 08	8.30	SEP 12	8.33
DEC 21	7.65	25	7.53	MAY 09	7.60	22	8.36	29	7.80
WATER YEAR 1994		HIGHEST	6.39	MAR 28, 1994	LOWEST	8.36	JUL 22, 1994		



GROUND-WATER LEVELS

FAIRFIELD COUNTY--Continued

411124073172201. Local Number, FF 30.

LOCATION.--Lat 41°11'24", long 73°17'22", Hydrologic Unit 01100006, High Point Lane, 80 feet northeast of end of cul de sac, Fairfield; Westport quadrangle.

Owner: Aspetuck Land Trust.

AQUIFER.--Bedrock.

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 27 ft, screened 22 to 27 feet.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 335 ft above sea level

from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--New well drilled August 11, 1993.

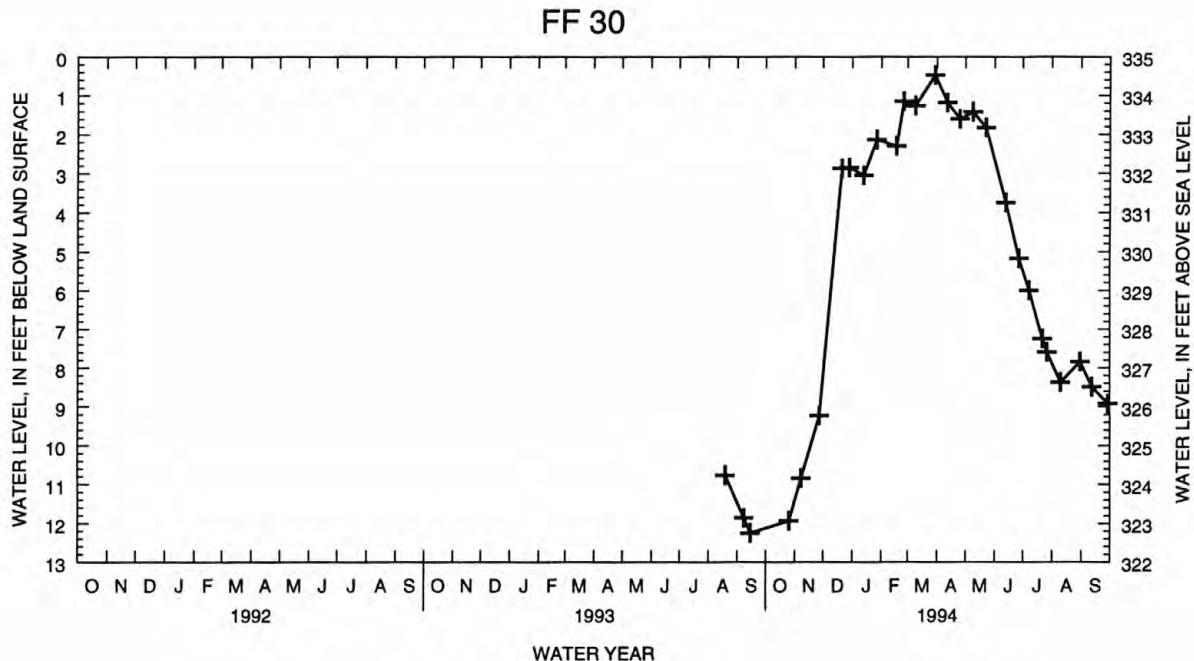
PERIOD OF RECORD.--August 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, .47 feet below land surface datum March 30, 1994, lowest measured 12.25 below land surface datum, September 15, 1993

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 26 11.94	JAN 13 3.05	MAR 30 .47	JUN 13 3.75	AUG 10 8.37
NOV 08 10.84	27 2.13	APR 12 1.18	27 5.18	31 7.84
27 9.23	FEB 17 2.30	25 1.60	JUL 08 6.00	SEP 12 8.49
DEC 21 2.87	25 1.15	MAY 09 1.42	22 7.25	29 8.92
29 2.85	MAR 09 1.27	23 1.82	27 7.59	

WATER YEAR 1994 HIGHEST .47 MAR 30, 1994 LOWEST 11.94 OCT 26, 1993



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.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 275 ft above sea level from topographic map.

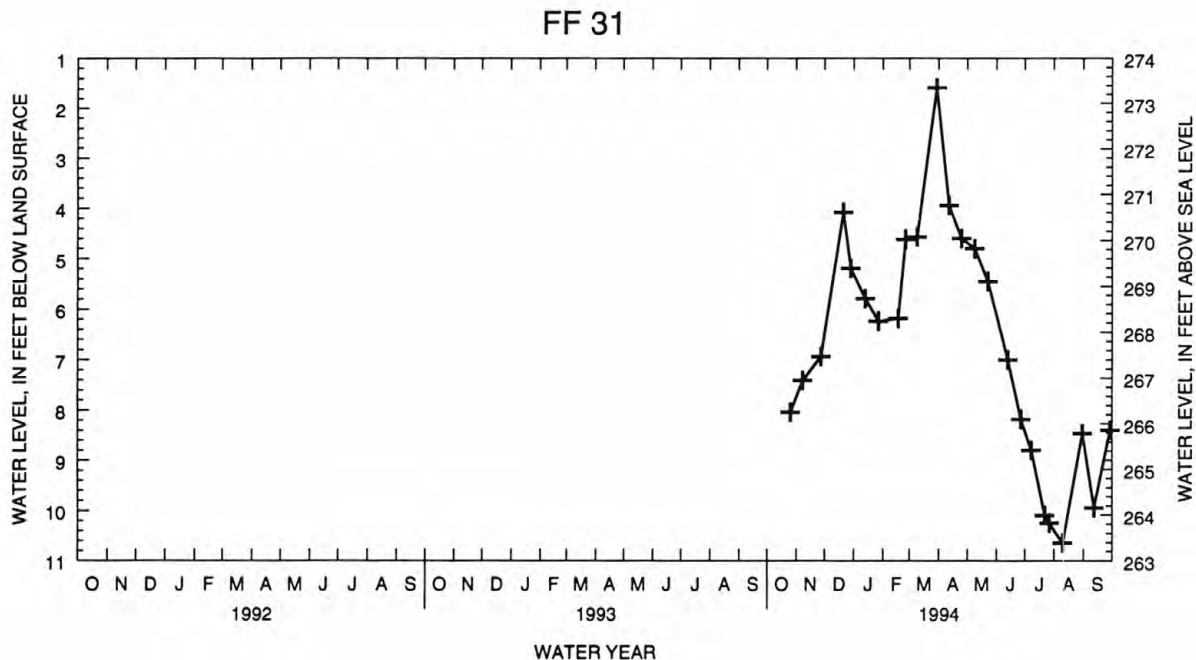
Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--New well drilled August 11, 1993.

PERIOD OF RECORD.--October 26, 1993 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 26	8.04	JAN 13	5.79	MAR 30	1.59	JUN 13	7.00	AUG 10	10.65
NOV 08	7.41	27	6.24	APR 12	3.95	27	8.18	31	8.47
27	6.94	FEB 17	6.19	25	4.60	JUL 08	8.80	SEP 12	9.95
DEC 21	4.08	25	4.62	MAY 09	4.80	22	10.10	29	8.40
29	5.19	MAR 09	4.57	23	5.45	27	10.25		
WATER YEAR 1994 HIGHEST 1.59 MAR 30, 1994 LOWEST 10.65 AUG 10, 1994									



GROUND-WATER LEVELS

FAIRFIELD COUNTY--Continued

411030073181301. Local Number, **FF 32.**

LOCATION.--Lat 41°11'03", long 73°18'13", Hydrologic Unit 01100006, Timothy Dwight School, Redding Road
10 feet 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 feet.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 225 ft above sea level
from topographic map. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--New well drilled August 13, 1993.**PERIOD OF RECORD.**--August 1993 to current year.

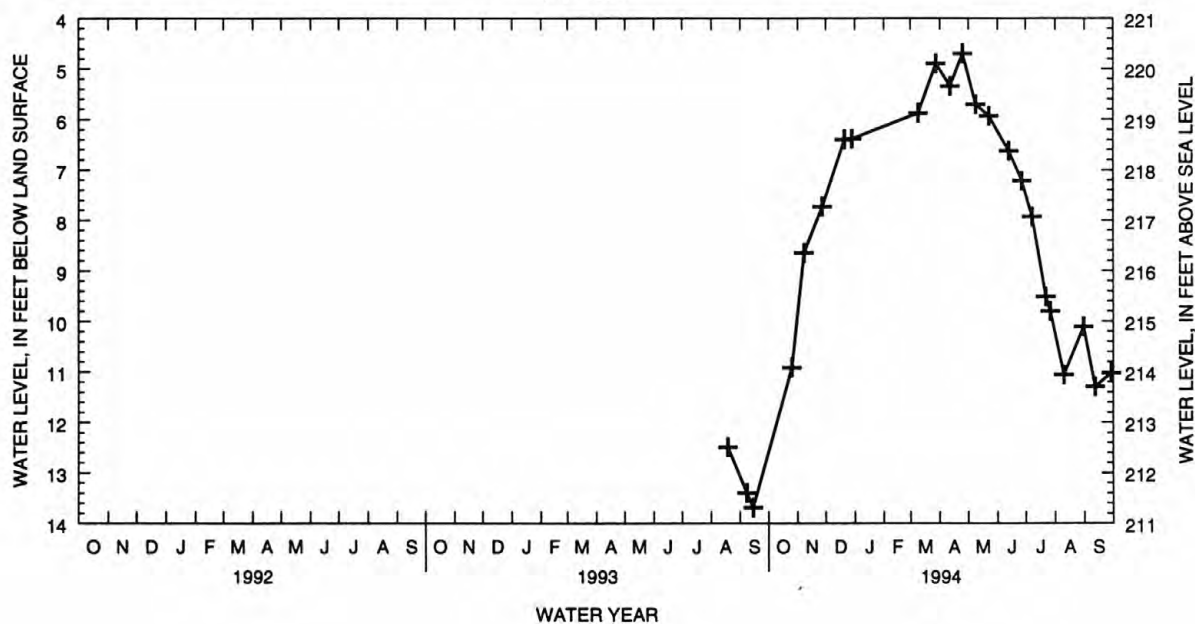
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 feet below land surface, April 25, 1994,
lowest, 13.69, September 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 26	10.92	DEC 29	6.39	APR 25	4.70	JUN 27	7.22	AUG 10	11.06
NOV 08	8.65	MAR 09	5.88	MAY 09	5.71	JUL 08	7.93	31	10.11
27	7.73	28	4.90	23	5.94	22	9.52	SEP 12	11.30
DEC 21	6.40	APR 12	5.35	JUN 13	6.63	27	9.80	29	11.03

WATER YEAR 1994 HIGHEST 4.70 APR 25, 1994 LOWEST 11.30 SEP 12, 1994

FF 32



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 Road 50 feet north of driveway, 50 feet east of Redding Road.
 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 feet..

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 155 ft above sea level, from topographic map.

Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--New well drilled August 13, 1993.

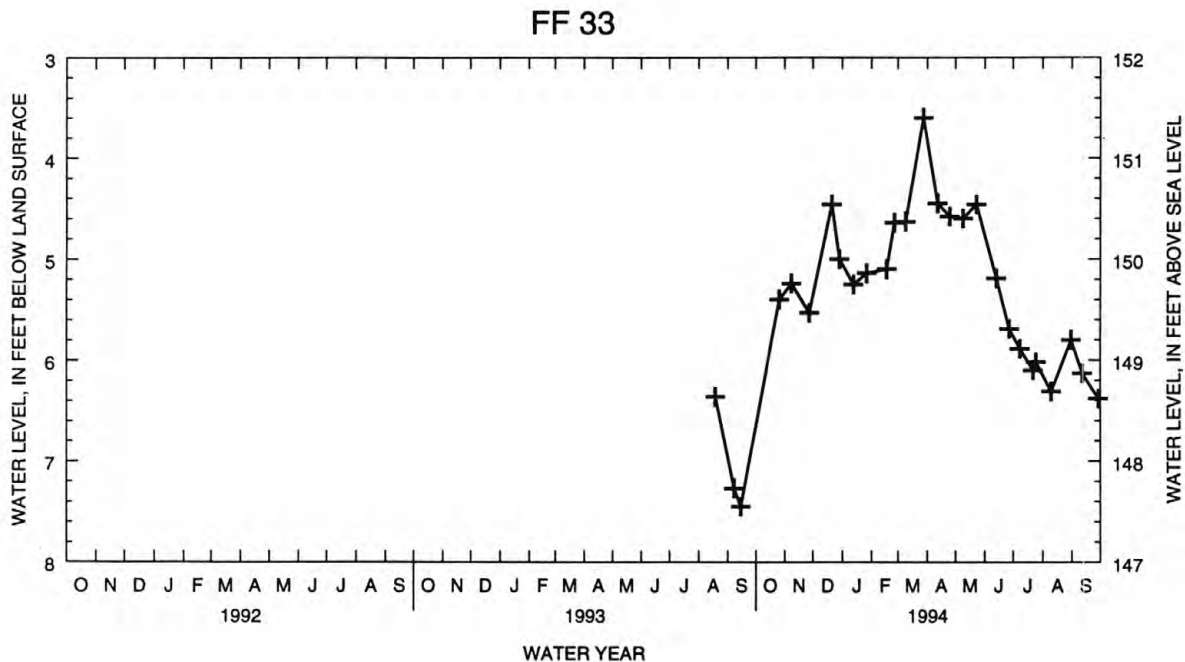
PERIOD OF RECORD.--August 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.60 feet below land surface, March 28, 1994, lowest, 7.45, September 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 26	5.40	JAN 13	5.25	MAR 28	3.60	JUN 13	5.19	AUG 10	6.31
NOV 08	5.24	27	5.14	APR 12	4.45	27	5.69	31	5.80
27	5.53	FEB 17	5.10	25	4.58	JUL 08	5.89	SEP 12	6.13
DEC 21	4.46	25	4.64	MAY 09	4.60	22	6.10	29	6.38
29	5.00	MAR 09	4.63	23	4.46	25	6.02		

WATER YEAR 1994 HIGHEST 3.60 MAR 28, 1994 LOWEST 6.38 SEP 29, 1994



GROUND-WATER LEVELS

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 Route 34 on Mile Hill Road and 0.25 mi north on a Fairfield State Hospital road, Newtown; Newtown quadrangle.

Owner: U.S. Geological Survey.

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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 265 ft above sea level, from topographic map.

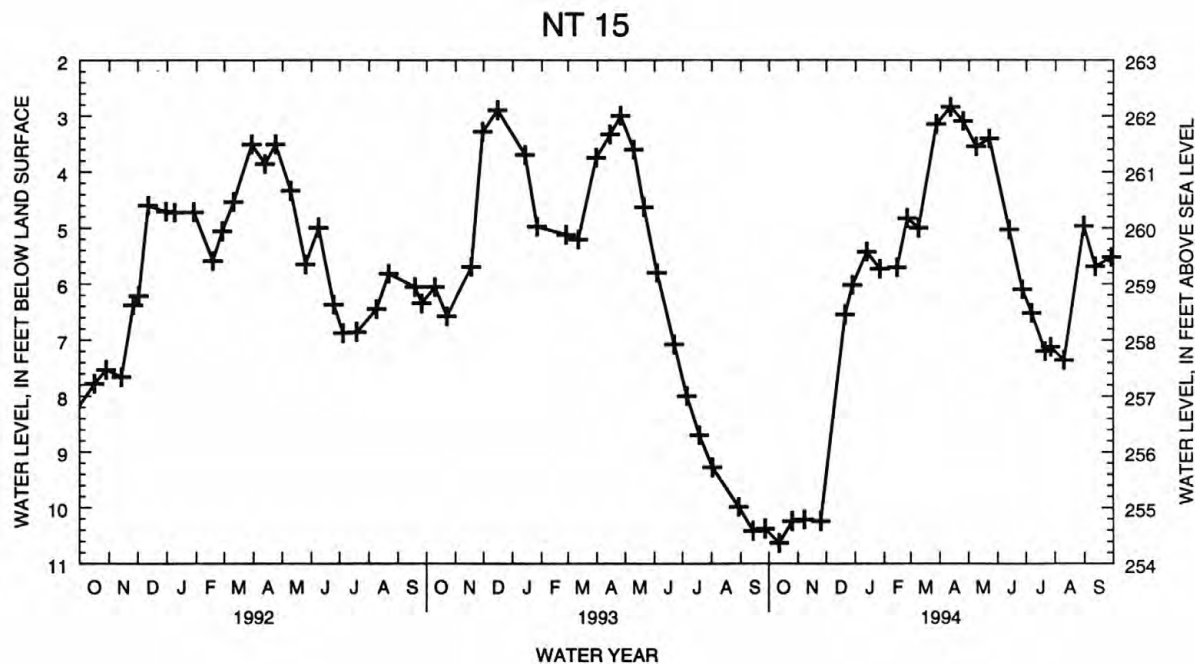
Measuring point: Top of casing, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft below land-surface datum, May 25, 1989; lowest measured, 11.14 ft below land-surface datum, October 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	10.63	DEC 29	6.02	MAR 09	5.00	MAY 23	3.41	JUL 27	7.12
26	10.25	JAN 13	5.43	28	3.15	JUN 13	5.03	AUG 10	7.36
NOV 08	10.21	27	5.73	APR 12	2.84	27	6.10	31	4.97
25	10.25	FEB 14	5.71	25	3.09	JUL 07	6.52	SEP 12	5.69
DEC 21	6.55	25	4.83	MAY 09	3.55	21	7.20	29	5.52
WATER YEAR 1994		HIGHEST	2.84	APR 12, 1994	LOWEST	10.63	OCT 12, 1993		



GROUND-WATER LEVELS

HARTFORD COUNTY

414615072581601. Local Number, BU 2.

LOCATION.--Lat 41°46'15", long 72°58'16", Hydrologic Unit 01080207, 95 ft north of State Route 4 at junction with Route 69, Burlington; Collinsville quadrangle.
Owner: Snow Realty, Bristol.

AQUIFER.--Stratified drift (sand and gravel) of Pleistocene age.

WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 36 in, depth 37 ft, stone-lined.

INSTRUMENTATION.--ADR water-level recorder- 60 minute punch, May 2, 1986 to September 23, 1987.

Prior to May 1986 and from February 29, 1988 to November 1990, measured monthly, since November 1990 measurements made biweekly with chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 880 ft above sea level, from topographic map.

Measuring point: Top of 8-inch PVC casing 8.84 ft below original land-surface datum, under manhole cover.

REMARKS.--Digital recorder installed May 2, 1986; removed September 23, 1987. Measurements discontinued due to construction of mall parking area from September 23, 1987 to February 29, 1988.

PERIOD OF RECORD.--April 1946 to current year.

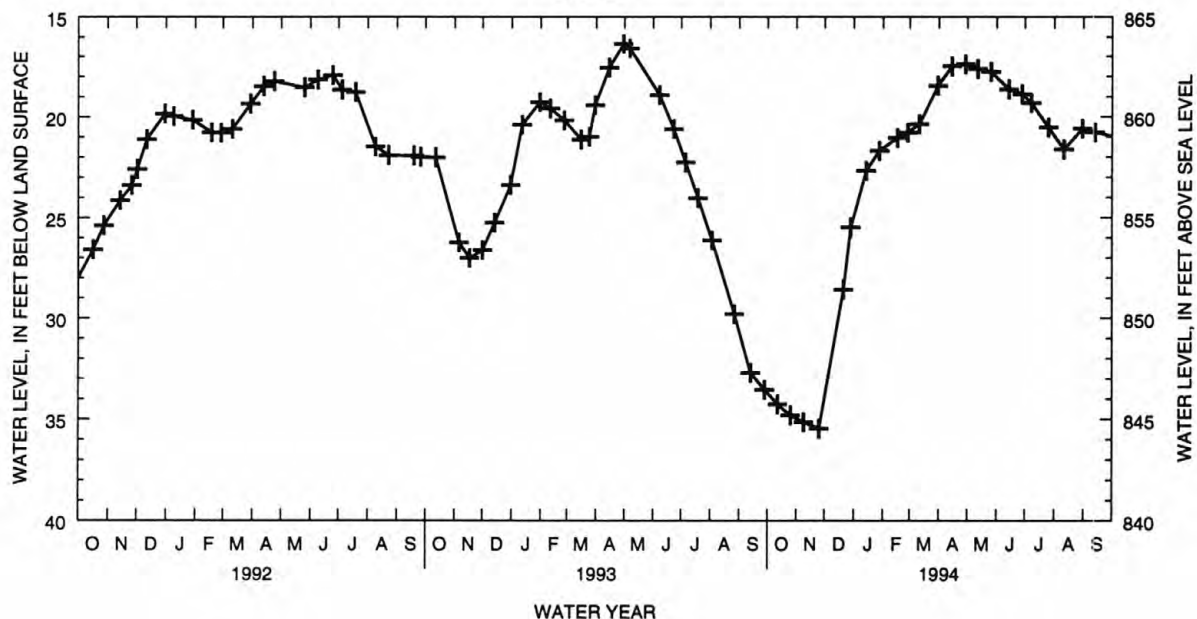
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.70 ft below land-surface datum, August 19, 1955; lowest measured, 37.41 ft below land-surface datum, December 22, 1948.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 12	34.26	DEC 29	25.50	MAR 11	20.37	MAY 26	17.77	AUG 11	21.63
26	34.81	JAN 14	22.68	31	18.46	JUN 14	18.64	31	20.59
NOV 09	35.14	28	21.70	APR 15	17.50	28	18.88	SEP 13	20.78
25	35.47	FEB 16	21.06	29	17.39	JUL 08	19.32		
DEC 21	28.59	27	20.79	MAY 12	17.64	26	20.53		

WATER YEAR 1994 HIGHEST 17.39 APR 29, 1994 LOWEST 35.47 NOV 25, 1993

BU 2



GROUND-WATER LEVELS
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 Route 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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map.

Measuring point: Top of recorder shelter floor 4.07 ft above land-surface datum.

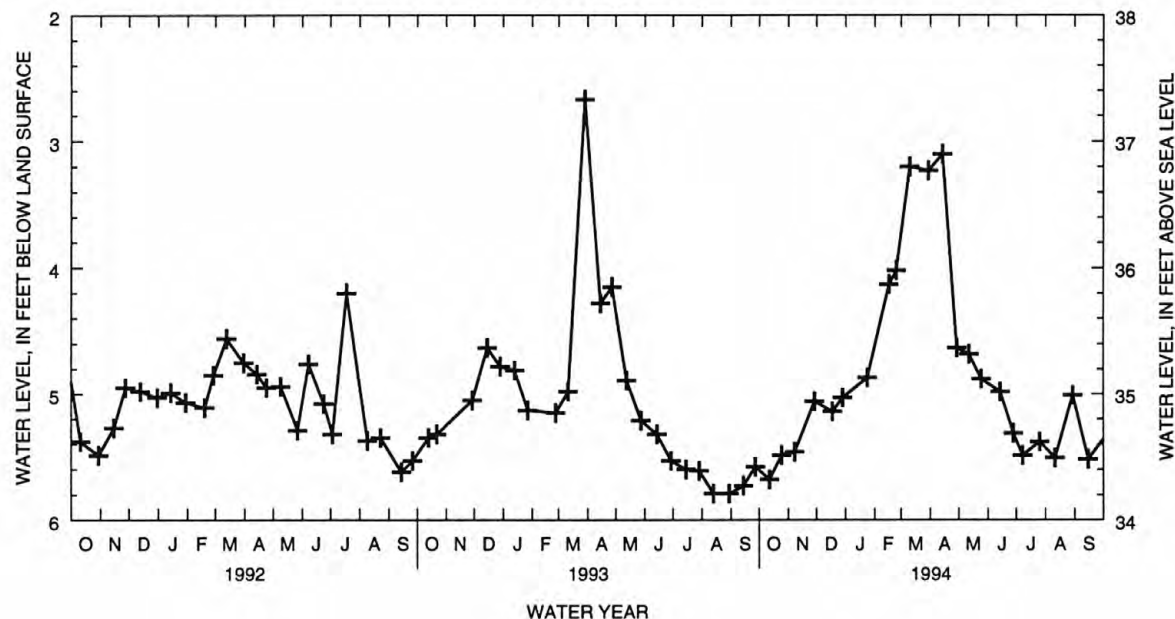
PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.40 ft below land-surface datum, May 25, 1989; lowest measured, 6.66 ft below land-surface datum, September 29, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	5.68	DEC 29	5.03	MAR 30	3.23	JUN 14	4.98	AUG 30	5.01
25	5.49	JAN 24	4.87	APR 14	3.10	28	5.31	SEP 15	5.52
NOV 08	5.46	FEB 16	4.13	29	4.63	JUL 08	5.49		
29	5.06	24	4.02	MAY 12	4.68	26	5.38		
DEC 18	5.14	MAR 10	3.20	25	4.88	AUG 11	5.51		
WATER YEAR 1994		HIGHEST	3.10	APR 14, 1994	LOWEST	5.68	OCT 12, 1993		

EW 133



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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM--Elevation of land-surface datum is 185 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 1.25 ft above land-surface datum.

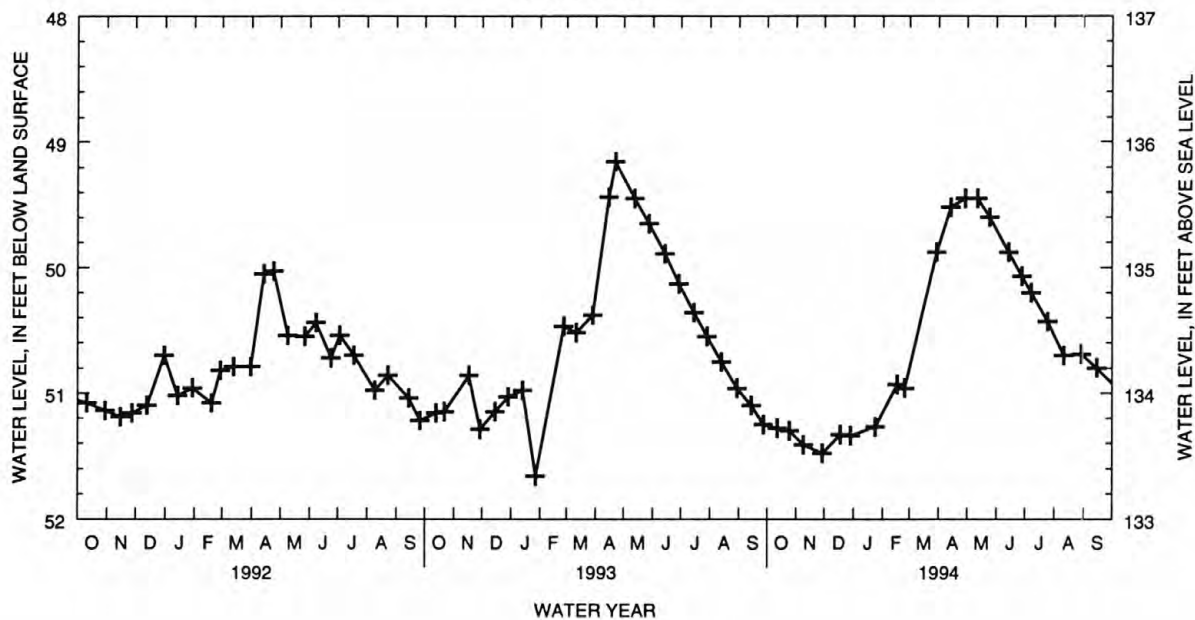
PERIOD OF RECORD--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 48.91 ft below land-surface datum, June 14, 1991; lowest measured, 51.66 ft below land-surface datum, January 27, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	51.28	DEC 29	51.34	APR 14	49.52	JUN 28	50.07	SEP 15	50.80
25	51.30	JAN 24	51.27	29	49.45	JUL 08	50.20		
NOV 09	51.41	FEB 16	50.93	MAY 12	49.45	25	50.43		
29	51.48	24	50.96	25	49.60	AUG 11	50.70		
DEC 18	51.33	MAR 30	49.88	JUN 14	49.88	30	50.69		
WATER YEAR 1994		HIGHEST	49.45	APR 29, 1994	MAY 12, 1994	LOWEST	51.48	NOV 29, 1993	

EW 134



GROUND-WATER LEVELS
HARTFORD COUNTY--Continued

415649072494801. Local Number, **GR 328.**

LOCATION.--Lat 41°56'49", long 72°49'48", Hydrologic Unit 01080207; 1150 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 by a chalked tape during water year 1993. From September, 1994, measurements made biweekly with a chalked 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. Measurements made biweekly during water year 1994.

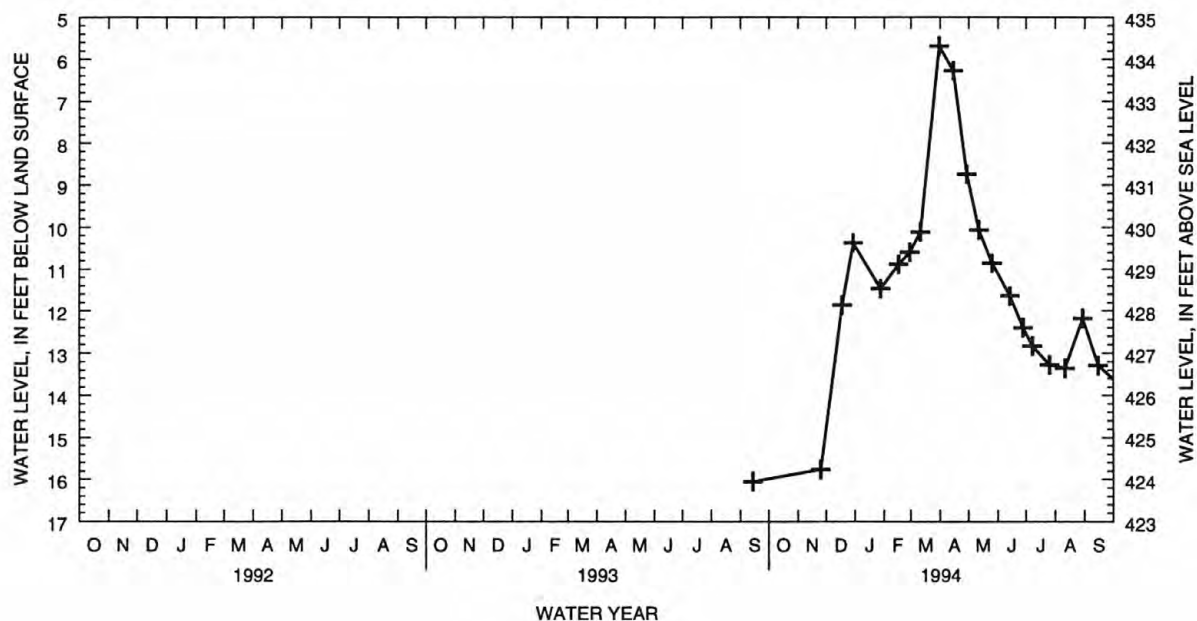
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.49 ft below land-surface datum, June 1, 1984; lowest measured, 17.44 ft below land-surface datum, November 4, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
NOV 25	15.77	FEB 16	10.89	APR 15	6.28	JUN 14	11.64	AUG 11	13.36
DEC 18	11.86	28	10.60	29	8.75	28	12.40	30	12.18
30	10.37	MAR 11	10.11	MAY 12	10.07	JUL 08	12.83	SEP 15	13.29
JAN 28	11.47	31	5.69	26	10.86	26	13.28		

WATER YEAR 1994 HIGHEST 5.69 MAR 31, 1994 LOWEST 15.77 NOV 25, 1993

GR 328



GROUND-WATER LEVELS
HARTFORD COUNTY--Continued

415647072495901. Local Number, **GR 329.**

LOCATION.--Lat 41°56'47", long 72°49'59", Hydrologic Unit 01080207; 1150 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 by a chalked tape during water year 1993. Biweekly measurements made during 1994, by USGS personnel.

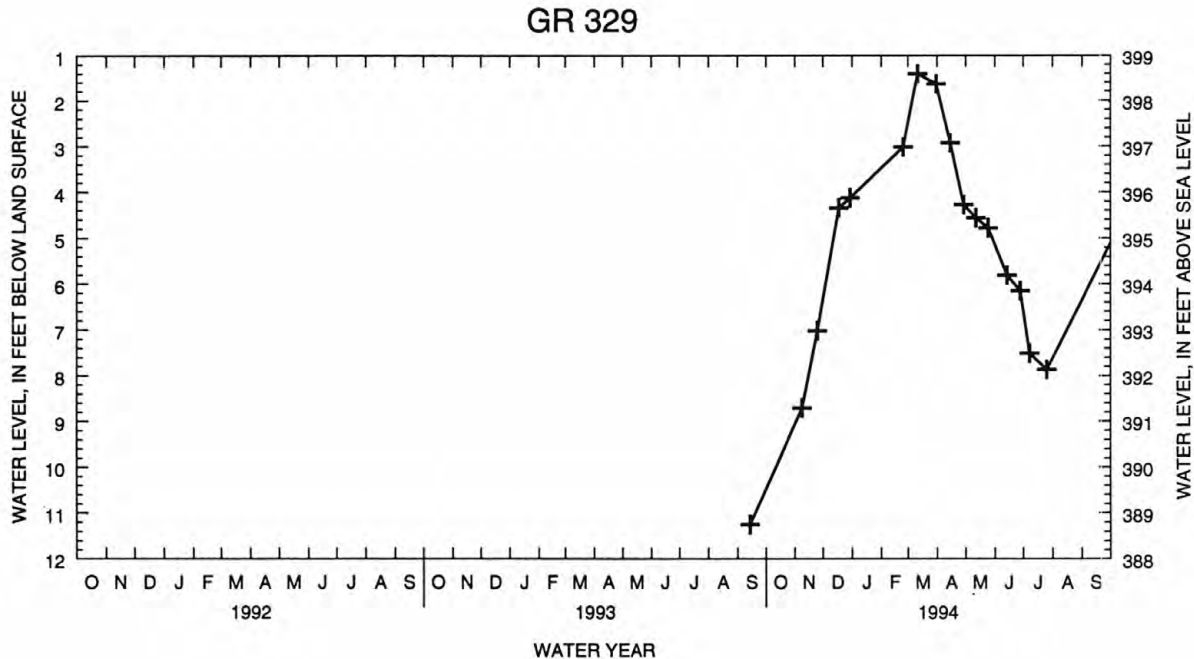
DATUM.--Elevation of land-surface datum is 400 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 2.32 ft above land-surface datum.

PERIOD OF RECORD.--May 1982 to September, 1992. Only 4 measurements during water year 1993. Biweekly measurements made during water year 1994.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.92 ft below land-surface datum, June 1, 1984 lowest measured, 13.13 ft below land-surface datum, October 28, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
NOV 09	8.71	DEC 30	4.13	MAR 31	1.64	MAY 12	4.56	JUN 28	6.15
25	7.02	FEB 24	3.02	APR 15	2.93	25	4.78	JUL 08	7.51
DEC 18	4.35	MAR 11	1.41	29	4.28	JUN 14	5.81	26	7.87
WATER YEAR 1994		HIGHEST	1.41	MAR 11, 1994	LOWEST	8.71	NOV 09, 1993		



GROUND-WATER LEVELS

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 alfalfa field, 50 ft from bank of west branch of Salmon River, 250 ft south along field, 10 ft west of edge of field, Granby; Tariffville quadrangle.

Owner: Town of Granby.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.

INSTRUMENTATION.--Prior to October 27, 1988 measurements made monthly with a chalked tape by State Natural Resources Center personnel. ADR water-level recorder with 60-minute punch installed October 27, 1988. Intermittent water level measurements made by a chalked tape during water year 1993. Biweekly measurements made during 1994, with a chalked 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.

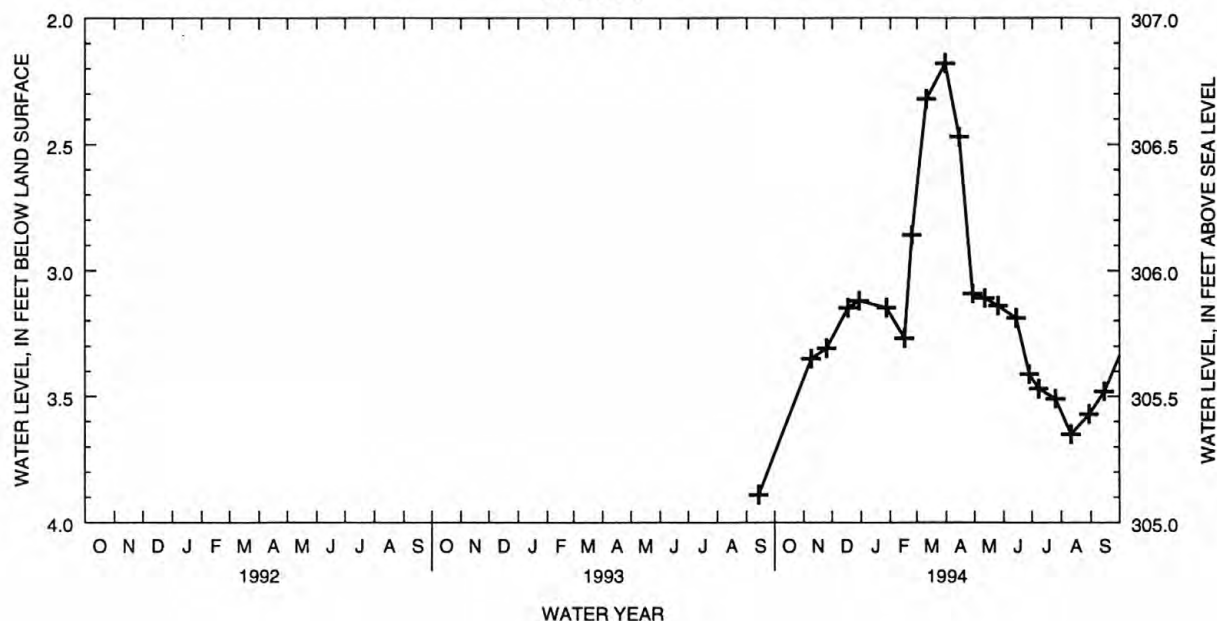
PERIOD OF RECORD.-- May 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.01 ft below land-surface datum, October 20, 1989; lowest measured, 5.47 ft below land-surface datum, April 10, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
NOV 09	3.35	JAN 28	3.15	MAR 31	2.18	MAY 26	3.14	JUL 26	3.51
25	3.31	FEB 16	3.27	APR 15	2.47	JUN 14	3.19	AUG 11	3.65
DEC 18	3.15	24	2.86	29	3.09	28	3.41	30	3.57
30	3.12	MAR 11	2.32	MAY 12	3.11	JUL 08	3.47	SEP 15	3.48
WATER YEAR 1994		HIGHEST	2.18	MAR 31, 1994	LOWEST	3.65	AUG 11, 1994		

GR 330



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 Road, and 900 ft north from junction with Day Street, South 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 by a chalked tape during water year 1993. From November, 1994, biweekly measurements made with a chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 327 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.36 ft above land-surface datum.

PERIOD OF RECORD.--March 1983 to current year.

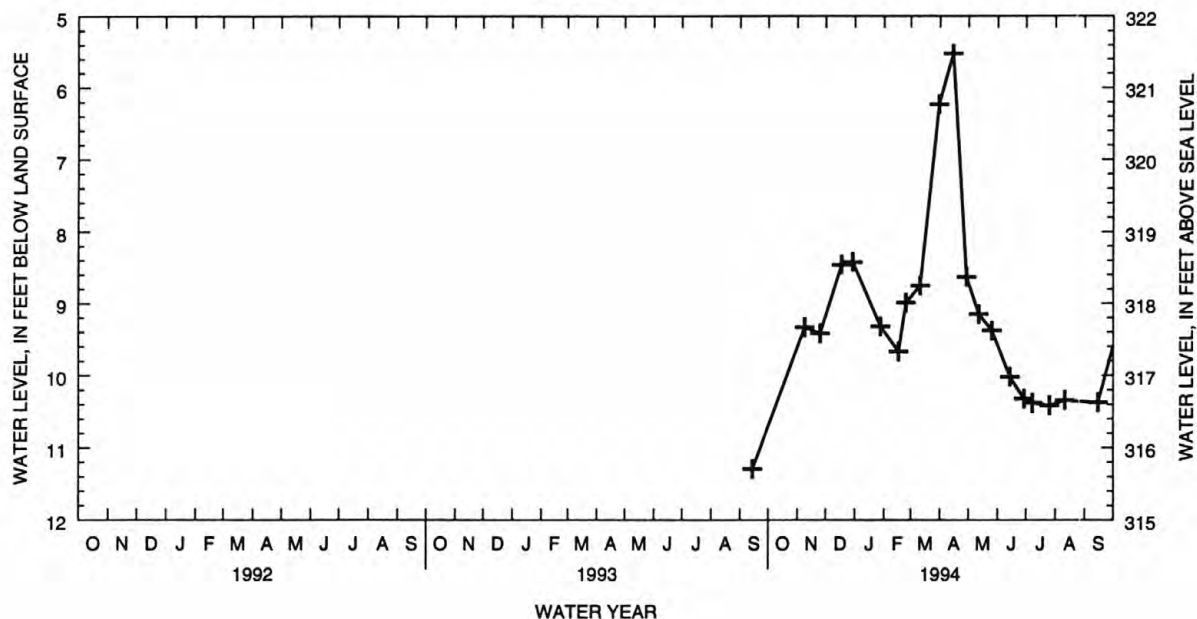
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.41 ft below land-surface datum, April 22, 1983; lowest measured, 13.30 ft below land-surface datum, September 29, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
NOV 09	9.33	JAN 28	9.32	MAR 31	6.23	MAY 26	9.38	JUL 26	10.41
25	9.42	FEB 16	9.67	APR 15	5.52	JUN 14	10.02	AUG 11	10.34
DEC 18	8.46	24	8.99	29	8.63	29	10.32	SEP 15	10.37
30	8.42	MAR 11	8.75	MAY 12	9.15	JUL 08	10.38		

WATER YEAR 1994 HIGHEST 5.52 APR 15, 1994 LOWEST 10.41 JUL 26, 1994

GR 331



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414547072304801. Local Number, M 158.

LOCATION.--Lat 41°45'47", long 72°30'48", Hydrologic Unit 01080205; along northeast corner of parking area, Charter Oak Park, Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 12.4 ft, stainless steel casing, slotted 10.4 to 12.4 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

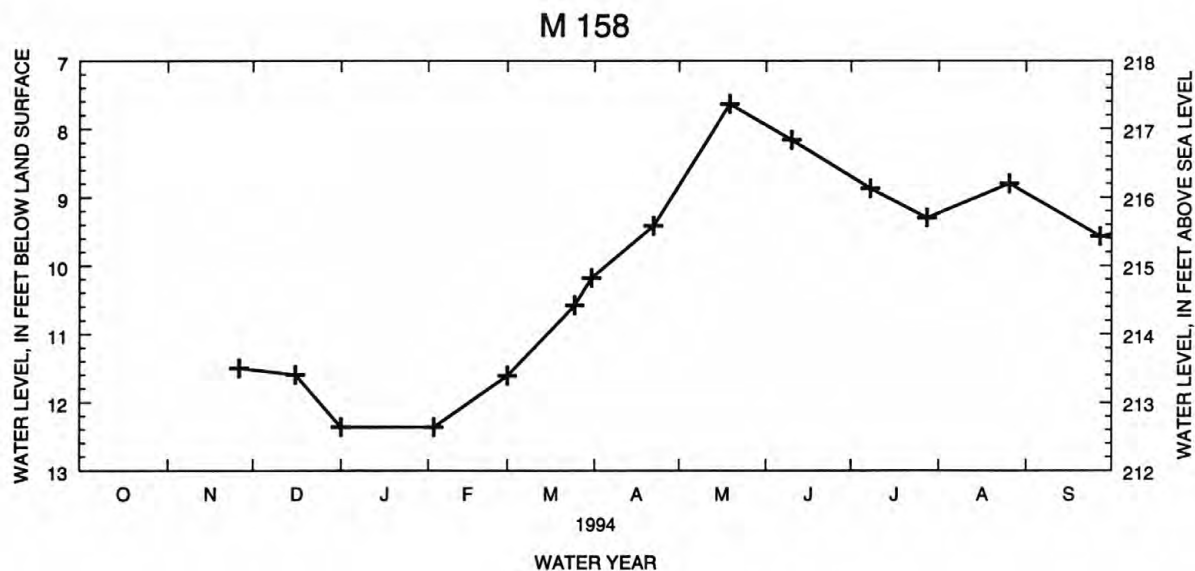
DATUM.--Elevation of land-surface datum is 225 ft above sea level, from topographic map.

Measuring point: Top of steel casing, 0.4 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
NOV 26	11.50	FEB 03	12.36	MAR 31	10.18	JUN 10	8.16	AUG 26	8.80
DEC 16	11.60	MAR 01	11.61	APR 22	9.42	JUL 08	8.87	SEP 27	9.57
JAN 01	12.36	25	10.58	MAY 19	7.64	28	9.30		
WATER YEAR 1994		HIGHEST	7.64	MAY 19, 1994		LOWEST	12.36	JAN 01, 1994	FEB 03, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414624072283301. Local Number, M 160.

LOCATION.--Lat 41°46'24", long 72°28'33", Hydrologic Unit 01080205; north side of Howard Reservoir, 800 ft west of Finley Road, 1,100 ft north of Interstate 384, Manchester; Rockville quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 31 ft, stainless steel casing, slotted 29 to 31 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map.

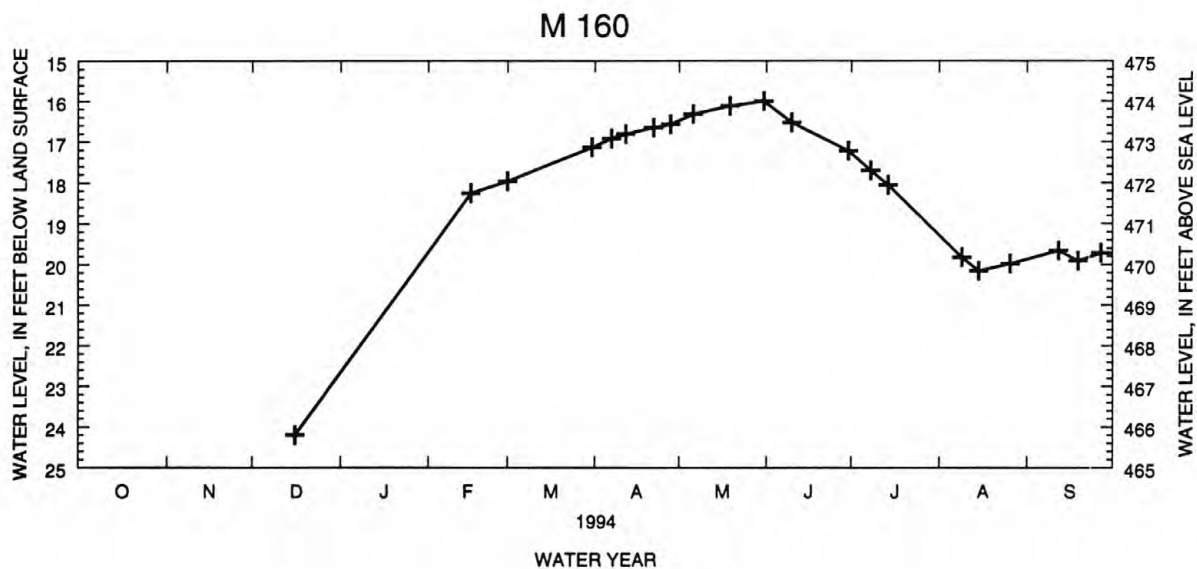
Measuring point: Top of steel casing, 0.6 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
DEC 16 24.20	APR 12 16.81	MAY 31 16.00	AUG 09 19.82	SEP 27 19.72
FEB 16 18.25	22 16.65	JUN 10 16.53	15 20.15	
MAR 01 17.96	28 16.57	30 17.22	26 19.98	
31 17.14	MAY 06 16.32	JUL 08 17.70	SEP 12 19.66	
APR 07 16.92	19 16.12	14 18.06	19 19.91	

WATER YEAR 1994 HIGHEST 16.00 MAY 31, 1994 LOWEST 24.20 DEC 16, 1993



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414637072314401 Local Number, M 165.

LOCATION.--Lat 41°46'37", long 72°31'44", Hydrologic Unit 01080205; Center Springs Park, east of parking area, 1,500 ft west of Main Street, 1,300 ft north of Center Street, Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 35.2 ft, stainless steel casing, slotted 33.2 to 35.2 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

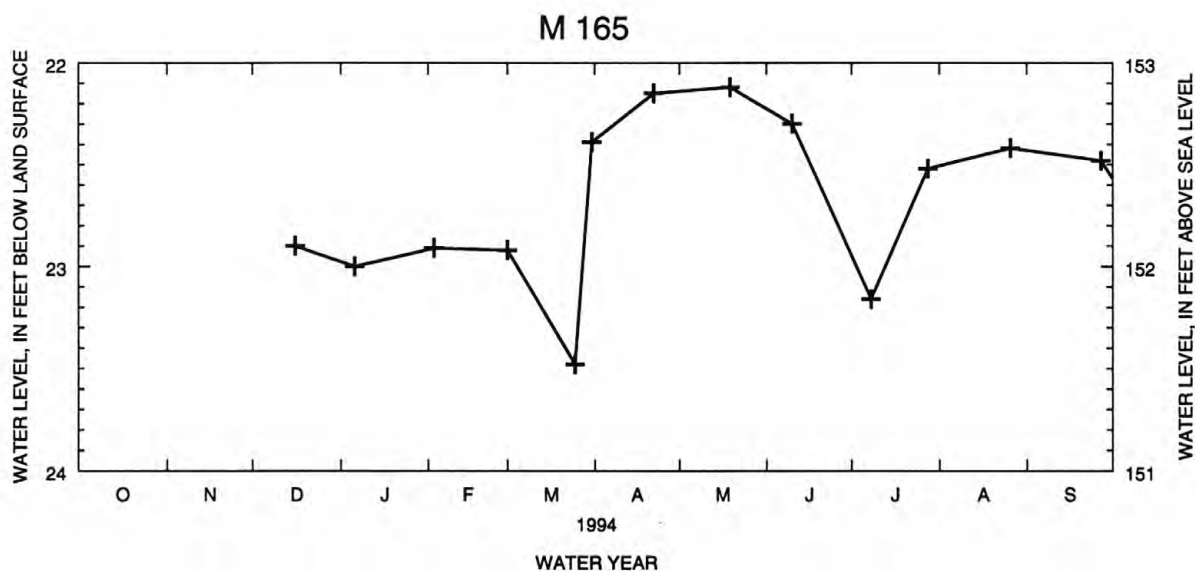
DATUM.--Elevation of land-surface datum is 175 ft above sea level, from topographic map.

Measuring point: Top of steel casing, 1.90 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
DEC 16	22.90	MAR 01	22.92	APR 22	22.15	JUL 08	23.16	SEP 27	22.48
JAN 06	23.00	25	23.48	MAY 19	22.12	28	22.52		
FEB 03	22.91	31	22.39	JUN 10	22.30	AUG 26	22.42		
WATER YEAR 1994		HIGHEST	22.12	MAY 19, 1994	LOWEST	23.48	MAR 25, 1994		



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414631072332301 Local Number, M 168.

LOCATION.--Lat 41°46'31", long 72°33'23", Hydrologic Unit 01080205; at entrance to Leber Field, 100 ft west of Love Lane, 10 ft north of dirt entrance road, Manchester; Manchester quadrangle. Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 16.3 ft, stainless steel casing, slotted 14.3 to 16.3 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

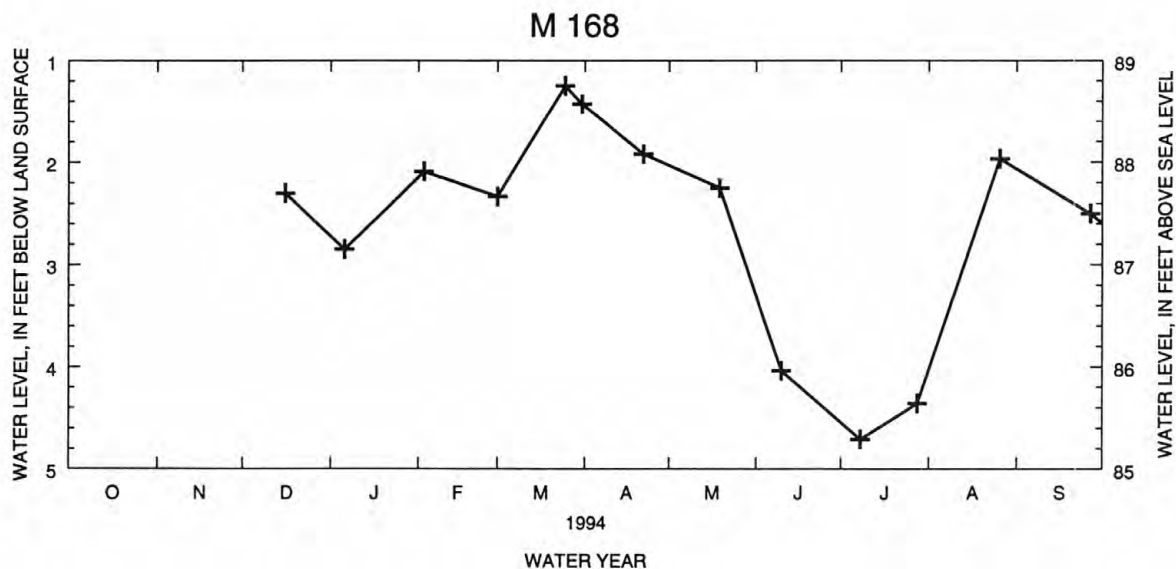
DATUM.--Elevation of land-surface datum is 90 ft above sea level, from topographic map.

Measuring point: Top of steel casing, 0.7 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
DEC 16	2.30	MAR 01	2.33	APR 22	1.92	JUL 08	4.71	SEP 27	2.50
JAN 06	2.85	25	1.25	MAY 19	2.25	28	4.36		
FEB 03	2.09	31	1.43	JUN 10	4.04	AUG 26	1.97		
WATER YEAR 1994		HIGHEST	1.25	MAR 25, 1994	LOWEST	4.71	JUL 08, 1994		



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414618072331101 Local Number, M 170.

LOCATION.--Lat 41°46'18", long 72°33'11", Hydrologic Unit 01080205; Verplanck School, 50 ft west of the end of Thompson Rd., Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 21.6 ft, stainless steel casing, slotted 19.6 to 21.6 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

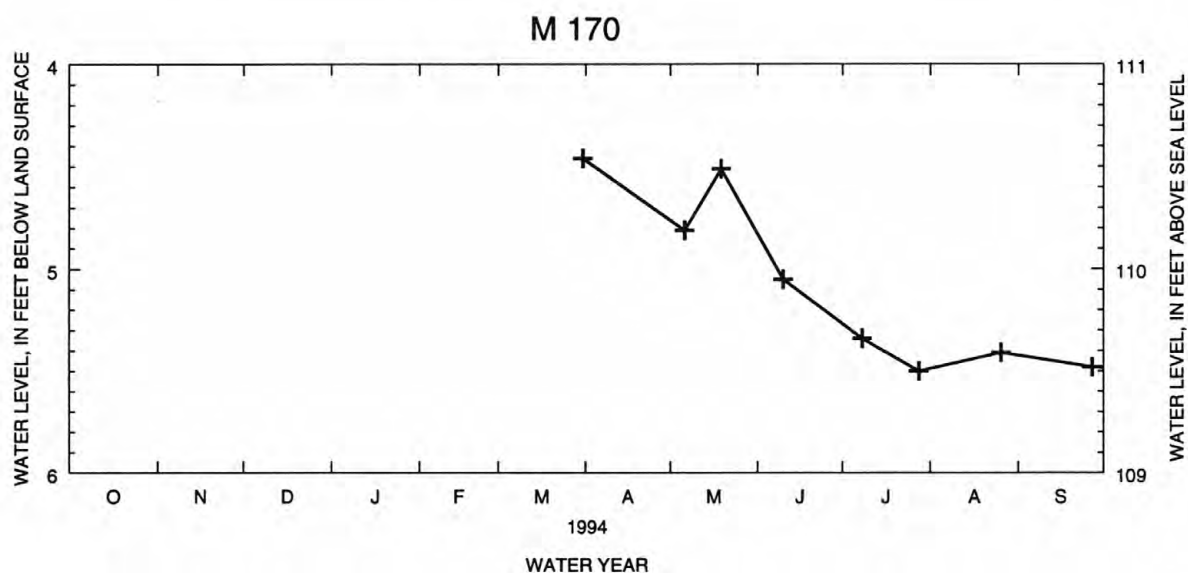
DATUM.--Elevation of land-surface datum is 115 ft above sea level, from topographic map.

Measuring point: Top of steel manhole cover, at land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
MAR 31	4.46	MAY 19	4.51	JUL 08	5.34	AUG 26	5.41
MAY 06	4.81	JUN 10	5.05	28	5.5	SEP 27	5.48
WATER YEAR 1994		HIGHEST	4.46	MAR 31, 1994		LOWEST	5.5 JUL 28, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414528072305101 Local Number, M 171.

LOCATION.--Lat 41°45'28", long 72°30'51", Hydrologic Unit 01080205; Globe Hollow Pool, 450 ft south Spring Street, 500 ft west of Dartmouth Rd., Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 36 ft, stainless steel casing, slotted 34 to 36 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 240 ft above sea level, from topographic map.

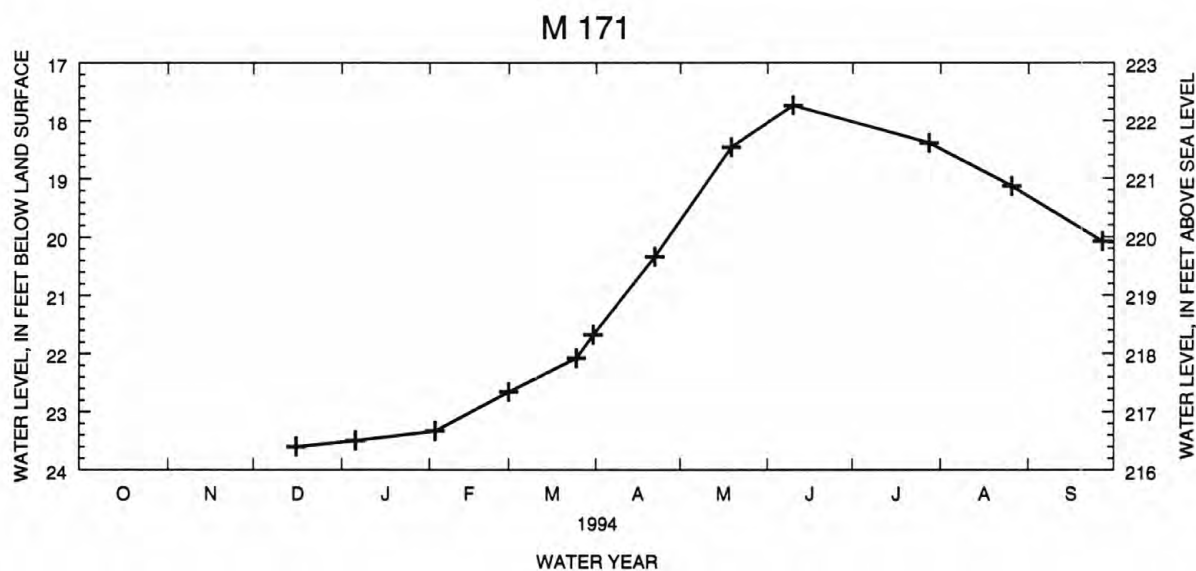
Measuring point: Top of steel casing, 0.9 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
DEC 16	23.60	MAR 01	22.66	APR 22	20.34	JUL 28	18.40
JAN 06	23.50	25	22.08	MAY 19	18.47	AUG 26	19.13
FEB 03	23.33	31	21.68	JUN 10	17.73	SEP 27	20.08

WATER YEAR 1994 HIGHEST 17.73 JUN 10, 1994 LOWEST 23.60 DEC 16, 1993



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414509072304301 Local Number, M 172.

LOCATION.--Lat 41°45'09", long 72°30'43", Hydrologic Unit 01080205; Martin School, 30 ft west of Dartmouth Rd 500 ft north of Fern St., Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 26 ft, stainless steel casing, slotted 24 to 26 ft.

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

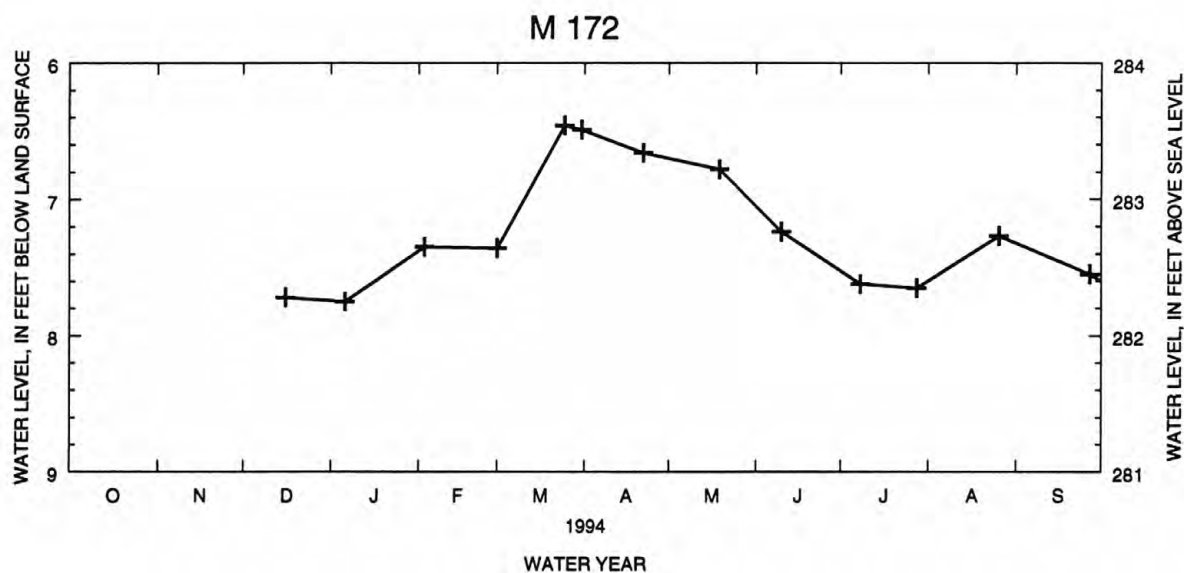
DATUM.--Elevation of land-surface datum is 290 ft above sea level, from topographic map.

Measuring point: Top of steel casing, 0.9 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
DEC 16	7.72	MAR 01	7.36	APR 22	6.66	JUL 08	7.62	SEP 27	7.55
JAN 06	7.75	25	6.46	MAY 19	6.78	28	7.65		
FEB 03	7.35	31	6.49	JUN 10	7.24	AUG 26	7.27		
WATER YEAR 1994		HIGHEST	6.46	MAR 25, 1994		LOWEST	7.75	JAN 06, 1994	



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414616072310201 Local Number, M 176.

LOCATION.--Lat 41°46'16", long 72°31'02", Hydrologic Unit 01080205; Nathan Hale School, 10' from fence at northwest corner of playground, Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 89.9 ft, PVC casing, slotted 84.9 to 89.9 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 228 ft above sea level, from topographic map.

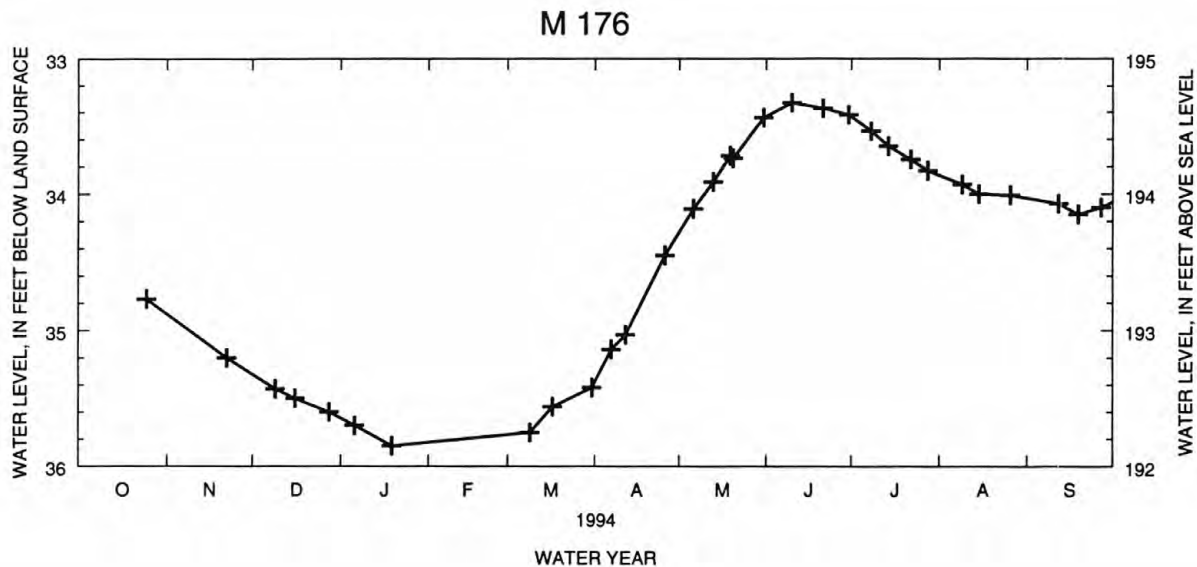
Measuring point: Top of manhole cover, at land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Deepest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 25	34.77	MAR 09	35.75	MAY 13	33.91	JUL 08	33.54	SEP 12	34.07
NOV 22	35.20	17	35.56	19	33.72	14	33.65	19	34.15
DEC 09	35.43	31	35.42	20	33.74	22	33.75	27	34.10
16	35.50	APR 07	35.14	31	33.44	28	33.83		
28	35.60	12	35.03	JUN 10	33.33	AUG 09	33.93		
JAN 06	35.70	26	34.45	21	33.37	15	34.00		
19	35.85	MAY 06	34.11	30	33.42	26	34.01		

WATER YEAR 1994 HIGHEST 33.33 JUN 10, 1994 LOWEST 35.85 JAN 19, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414616072310202 Local Number, M 177.

LOCATION.--Lat 41°46'16", long 72°31'02", Hydrologic Unit 01080205; Nathan Hale School, 10' from fence at northwest corner of playground, Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 64.4 ft, PVC casing, slotted 59.4 to 64.4 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 228 ft above sea level, from topographic map.

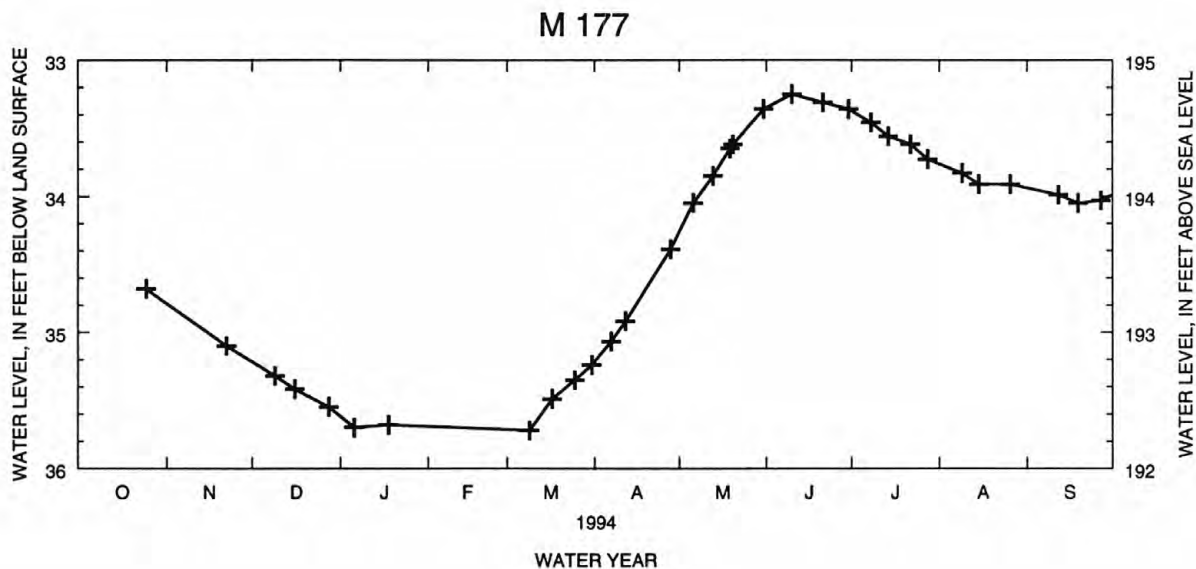
Measuring point: Top of manhole cover, at land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Intermediate depth of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 25	34.68	MAR 09	35.72	MAY 06	34.05	JUN 30	33.36	AUG 26	33.91
NOV 22	35.10	17	35.49	13	33.85	JUL 08	33.46	SEP 12	33.99
DEC 09	35.32	25	35.35	19	33.65	14	33.56	19	34.05
16	35.42	31	35.24	20	33.62	22	33.62	27	34.03
28	35.55	APR 07	35.07	31	33.36	28	33.73		
JAN 06	35.70	12	34.92	JUN 10	33.25	AUG 09	33.83		
18	35.68	28	34.39	21	33.31	15	33.91		

WATER YEAR 1994 HIGHEST 33.25 JUN 10, 1994 LOWEST 35.72 MAR 09, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414616072310203 Local Number, M 178.

LOCATION.--Lat 41°46'16", long 72°31'02", Hydrologic Unit 01080205; Nathan Hale School, 10' from fence at northwest corner of playground, Manchester; Manchester quadrangle.

Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 44.3 ft, PVC casing, slotted 39.3 to 44.3 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 228 ft above sea level, from topographic map.

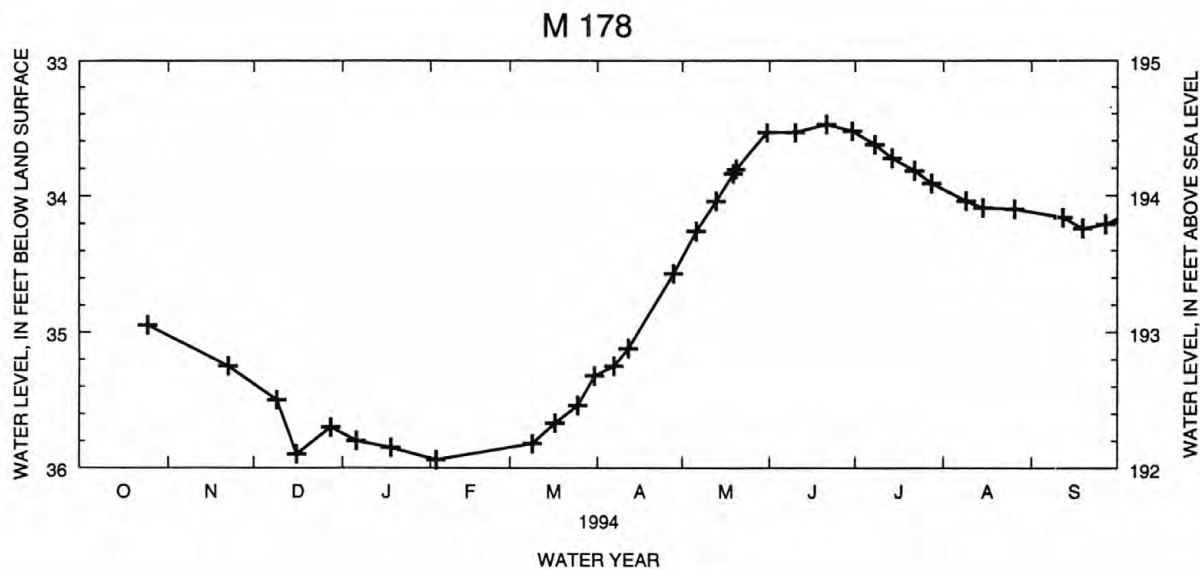
Measuring point: Top of manhole cover, at land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Shallowest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 25	34.95	FEB 03	35.94	APR 28	34.57	JUN 21	33.48	AUG 15	34.09
NOV 22	35.25	MAR 09	35.82	MAY 06	34.26	30	33.53	26	34.10
DEC 09	35.50	17	35.67	13	34.04	JUL 08	33.63	SEP 12	34.16
16	35.90	25	35.54	19	33.84	14	33.73	19	34.24
28	35.70	31	35.32	20	33.81	22	33.82	27	34.21
JAN 06	35.80	APR 07	35.25	31	33.54	28	33.91		
18	35.85	12	35.12	JUN 10	33.54	AUG 09	34.04		

WATER YEAR 1994 HIGHEST 33.48 JUN 21, 1994 LOWEST 35.94 FEB 03, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414627072322601 Local Number, M 179.

LOCATION.--Lat 41°46'27", long 72°32'26", Hydrologic Unit 01080205; Center St., 500 ft east of Alexander St., 250' north of Center St., Manchester; Manchester quadrangle.

Owner: Jarvis Realty.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 64.7 ft, PVC casing, slotted 59.7 to 64.7 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 146 ft above sea level, from topographic map.

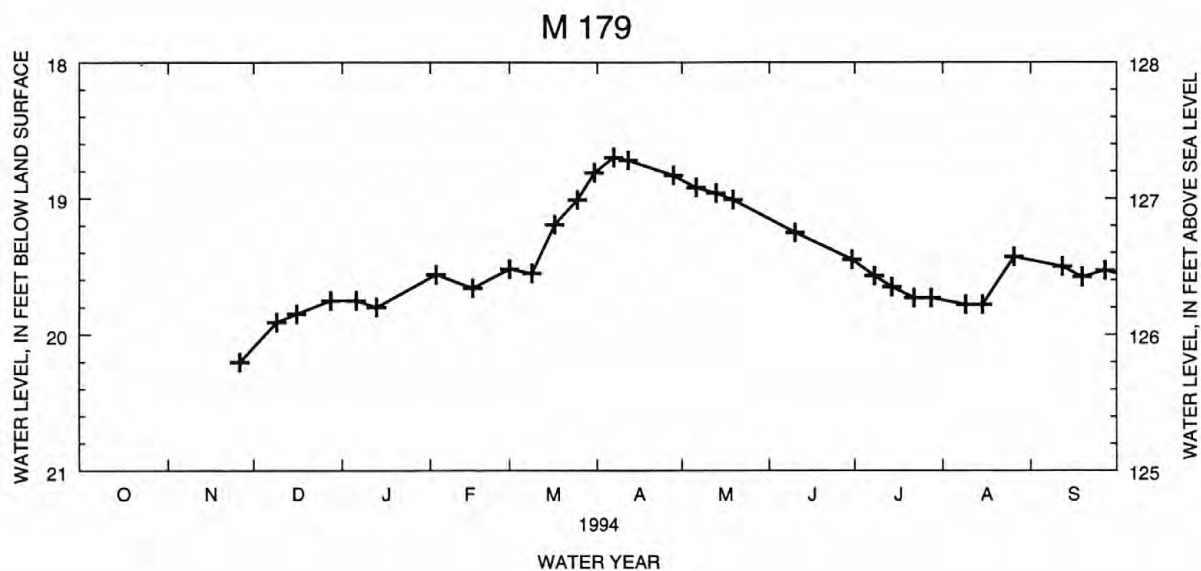
Measuring point: Top steel casing, 1 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Deepest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
NOV 26	20.20	FEB 16	19.66	APR 12	18.72	JUN 30	19.45	AUG 26	19.43
DEC 09	19.91	MAR 01	19.52	28	18.83	JUL 08	19.57	SEP 12	19.50
16	19.85	09	19.55	MAY 06	18.92	14	19.65	19	19.58
28	19.75	17	19.19	13	18.96	22	19.73	27	19.53
JAN 06	19.75	25	19.01	19	19.01	28	19.73		
13	19.80	31	18.81	JUN 10	19.25	AUG 09	19.78		
FEB 03	19.56	APR 07	18.70	15	21.50	15	19.78		

WATER YEAR 1994 HIGHEST 18.70 APR 07, 1994 LOWEST 21.50 JUN 15, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414627072322602 Local Number, M 180.

LOCATION.--Lat 41°46'27", long 72°32'26", Hydrologic Unit 01080205; Center St., 500 ft east of Alexander St., 250' north of Center St., Manchester; Manchester quadrangle.
Owner: Jarvis Realty.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 45 ft, PVC casing, slotted 40 to 45 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

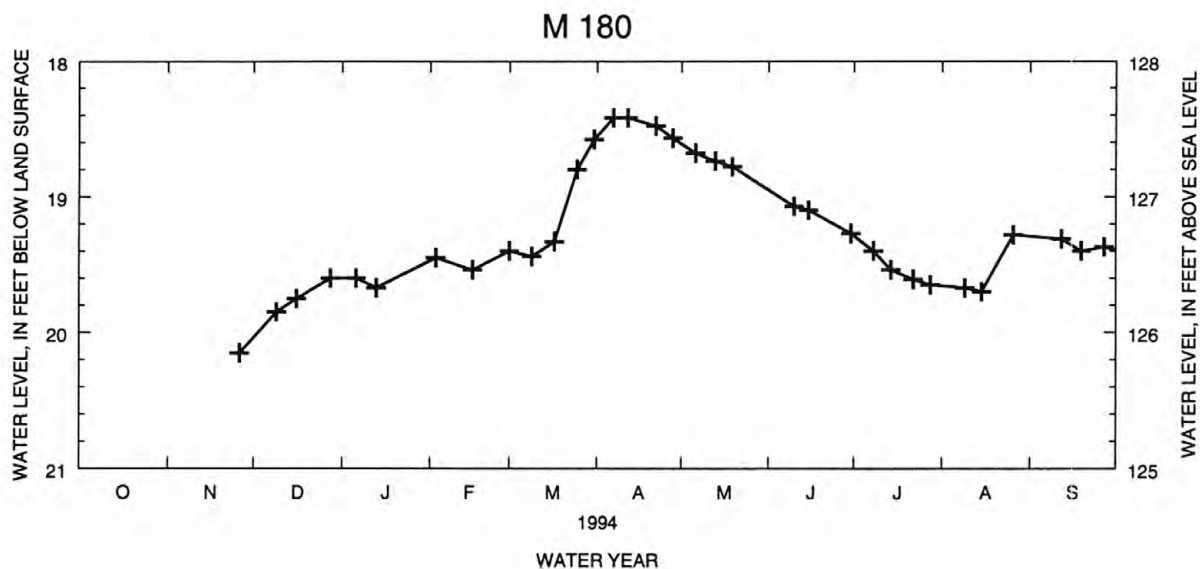
DATUM.--Elevation of land-surface datum is 146 ft above sea level, from topographic map.

Measuring point: Top steel casing, 1 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Intermediate depth of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
NOV 26	20.15	FEB 16	19.54	APR 12	18.42	JUN 15	19.10	AUG 15	19.70
DEC 09	19.85	MAR 01	19.40	22	18.48	30	19.27	26	19.28
16	19.75	09	19.44	28	18.57	JUL 08	19.40	SEP 12	19.31
28	19.60	17	19.33	MAY 06	18.68	14	19.54	19	19.40
JAN 06	19.60	25	18.80	13	18.74	22	19.61	27	19.37
13	19.67	31	18.58	19	18.78	28	19.65		
FEB 03	19.45	APR 07	18.42	JUN 10	19.07	AUG 09	19.67		
WATER YEAR 1994		HIGHEST	18.42	APR 07, 1994	APR 12, 1994	LOWEST	20.15	NOV 26, 1993	



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414627072322603 Local Number, M 181.

LOCATION.--Lat 41°46'27", long 72°32'26", Hydrologic Unit 01080205; Center St., 500 ft east of Alexander St., 250' north of Center St., Manchester; Manchester quadrangle.
 Owner: Jarvis Realty.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 31.4 ft, PVC casing, slotted 27.4 to 31.4 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 146 ft above sea level, from topographic map.

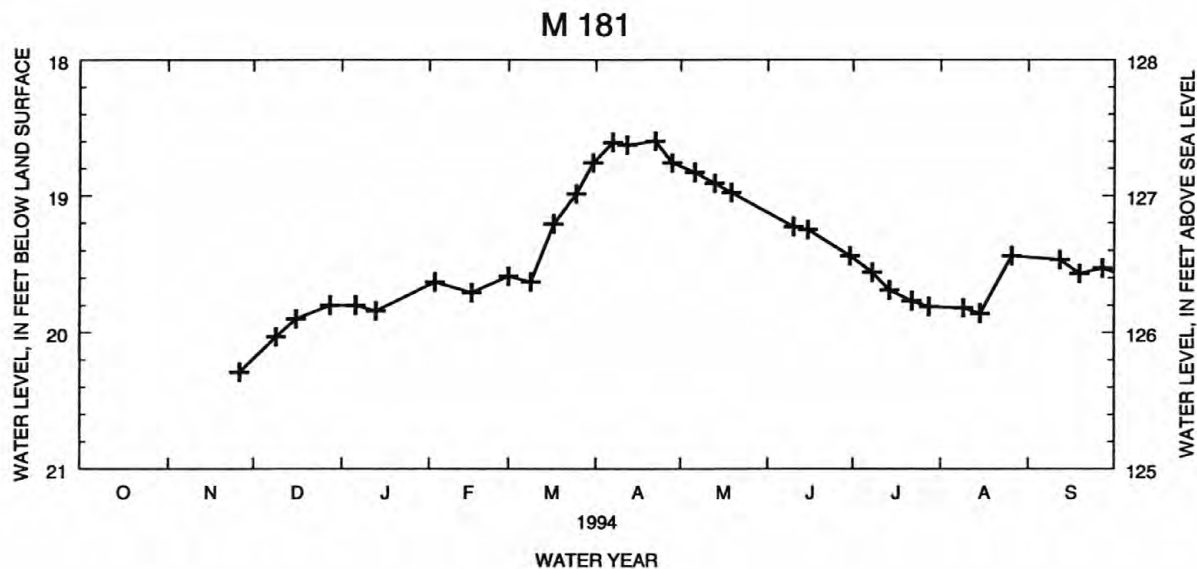
Measuring point: Top steel casing, 1 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Shallowest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
NOV 26	20.29	FEB 16	19.71	APR 12	18.63	JUN 15	19.25	AUG 15	19.86
DEC 09	20.03	MAR 01	19.59	22	18.60	30	19.44	26	19.44
16	19.90	09	19.63	28	18.76	JUL 08	19.56	SEP 12	19.47
28	19.80	17	19.21	MAY 06	18.83	14	19.69	19	19.57
JAN 06	19.80	25	18.99	13	18.91	22	19.77	27	19.53
13	19.84	31	18.76	19	18.98	28	19.81		
FEB 03	19.63	APR 07	18.61	JUN 10	19.23	AUG 09	19.82		

WATER YEAR 1994 HIGHEST 18.60 APR 22, 1994 LOWEST 20.29 NOV 26, 1993



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414556072324901 Local Number, M 182.

LOCATION.--Lat 41°45'56", long 72°32'49", Hydrologic Unit 01080205; Hartford Rd., 200 ft west of Waddell Rd., 100' north of Hartford Rd., Manchester; Manchester quadrangle.
 Owner: Krause Florist.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Dug, unused, water table well, diameter 36 in, depth 11.6 ft, fieldstone lined,

INSTRUMENTATION.-- Monthly measurements made with an electric tape by USGS personnel.

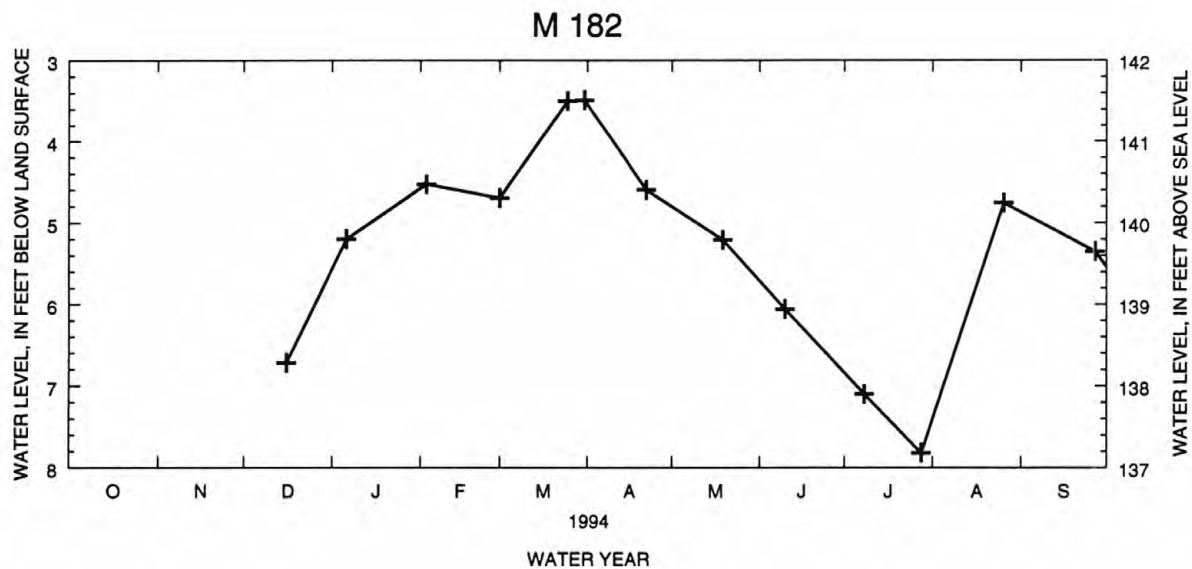
DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map.

Measuring point: Top of wooden well cover, 0.5 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
DEC 16	6.72	MAR 01	4.70	APR 22	4.60	JUL 08	7.10	SEP 27	5.35
JAN 06	5.20	25	3.50	MAY 19	5.21	28	7.82		
FEB 03	4.53	31	3.49	JUN 10	6.06	AUG 26	4.76		
WATER YEAR 1994		HIGHEST	3.49	MAR 31, 1994	LOWEST	7.82	JUL 28, 1994		



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414706072332901 Local Number, M 183.

LOCATION.--Lat 41°47'06", long 72°33'29", Hydrologic Unit 01080205; New State Rd., 600 ft west of Junction with Hilliard St., Manchester; Manchester quadrangle. Owner: East Catholic High School.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 60.3 ft, PVC casing, slotted 55.3 to 60.3 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 80 ft above sea level, from topographic map.

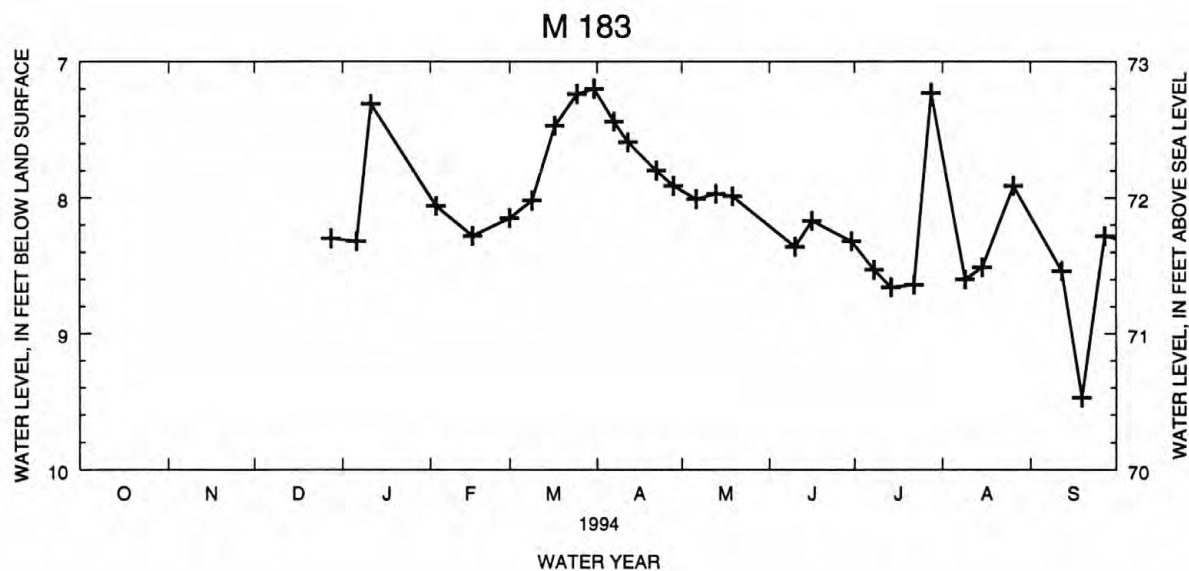
Measuring point: Top steel casing, 1.6 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Deepest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
DEC 28	8.3	MAR 09	8.02	APR 22	7.80	JUN 16	8.17	AUG 09	8.60
JAN 06	8.32	17	7.47	28	7.91	30	8.32	15	8.51
11	7.31	25	7.24	MAY 06	8.01	JUL 08	8.53	26	7.91
FEB 03	8.06	31	7.20	13	7.97	14	8.66	SEP 12	8.54
16	8.28	APR 07	7.44	19	7.99	22	8.64	19	9.47
MAR 01	8.15	12	7.59	JUN 10	8.36	28	7.23	27	8.28

WATER YEAR 1994 HIGHEST 7.20 MAR 31, 1994 LOWEST 9.47 SEP 19, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414706072332902 Local Number, **M 184.****LOCATION.**--Lat 41°47'06", long 72°33'29", Hydrologic Unit 01080205; New State Rd., In baseball field 600 ft west of Junction with Hilliard St., Manchester; Manchester quadrangle.

Owner: East Catholic High School.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).**WELL CHARACTERISTICS.**--Bored, unused, water table well, diameter 2 in, depth 42.8 ft, PVC casing, slotted 37.8 to 42.8 ft.**INSTRUMENTATION.**-- Weekly measurements made with an electric tape by USGS personnel.**DATUM.**--Elevation of land-surface datum is 80 ft above sea level, from topographic map.

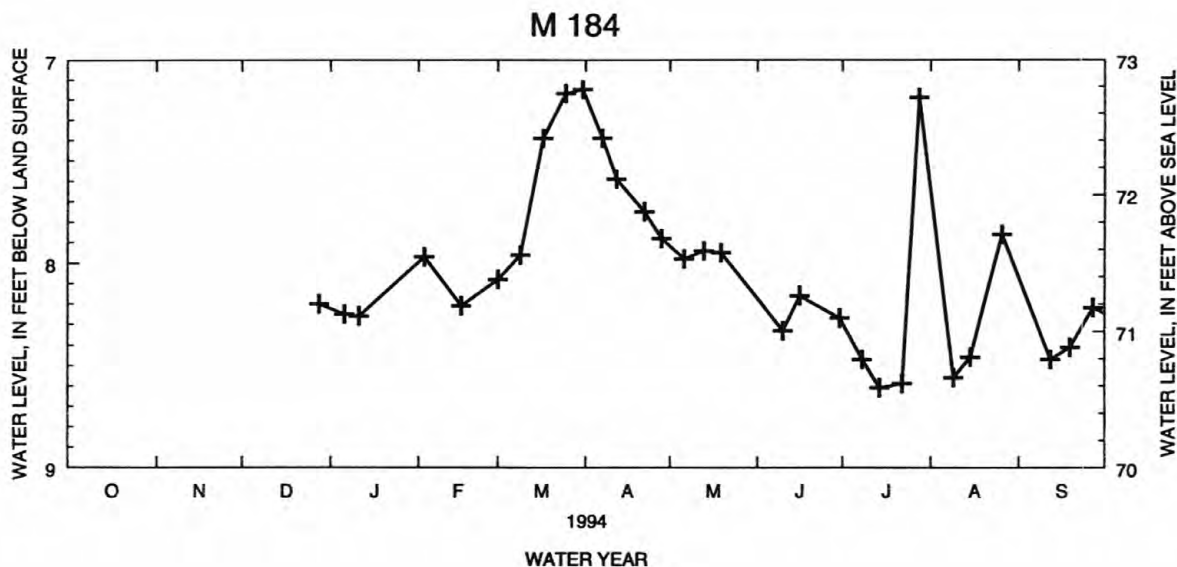
Measuring point: Top steel casing, 2 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Intermediate depth of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
DEC 28	8.2	MAR 09	7.96	APR 22	7.75	JUN 16	8.16	AUG 09	8.56
JAN 06	8.25	17	7.39	28	7.88	30	8.27	15	8.46
11	8.26	25	7.17	MAY 06	7.98	JUL 08	8.47	26	7.86
FEB 03	7.97	31	7.15	13	7.94	14	8.61	SEP 12	8.47
16	8.21	APR 07	7.39	19	7.95	22	8.59	19	8.41
MAR 01	8.08	12	7.59	JUN 10	8.33	28	7.19	27	8.22

WATER YEAR 1994	HIGHEST	7.15	MAR 31, 1994	LOWEST	8.61	JUL 14, 1994
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GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414706072332903 Local Number, M 185.

LOCATION.--Lat 41°47'06", long 72°33'29", Hydrologic Unit 01080205; New State Rd., In baseball field 600 ft west of Junction with Hilliard St., Manchester; Manchester quadrangle.
 Owner: East Catholic High School.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 23.6 ft, PVC casing, slotted 18.6 to 23.6 ft.

INSTRUMENTATION.-- Automatic Digital Recorder with hourly punch beginning March 2, 1994. Previous and weekly measurements made with electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 80 ft above sea level, from topographic map.
 Measuring point: Shelter floor, 1.68 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Shallowest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM DECEMBER 1993 TO MARCH 1994

DEC 28 JAN 06	WATER LEVEL 8.20 8.17	JAN 11	WATER LEVEL 8.26	FEB 03	WATER LEVEL 7.97	FEB 16	WATER LEVEL 8.21	MAR 01	WATER LEVEL 8.08
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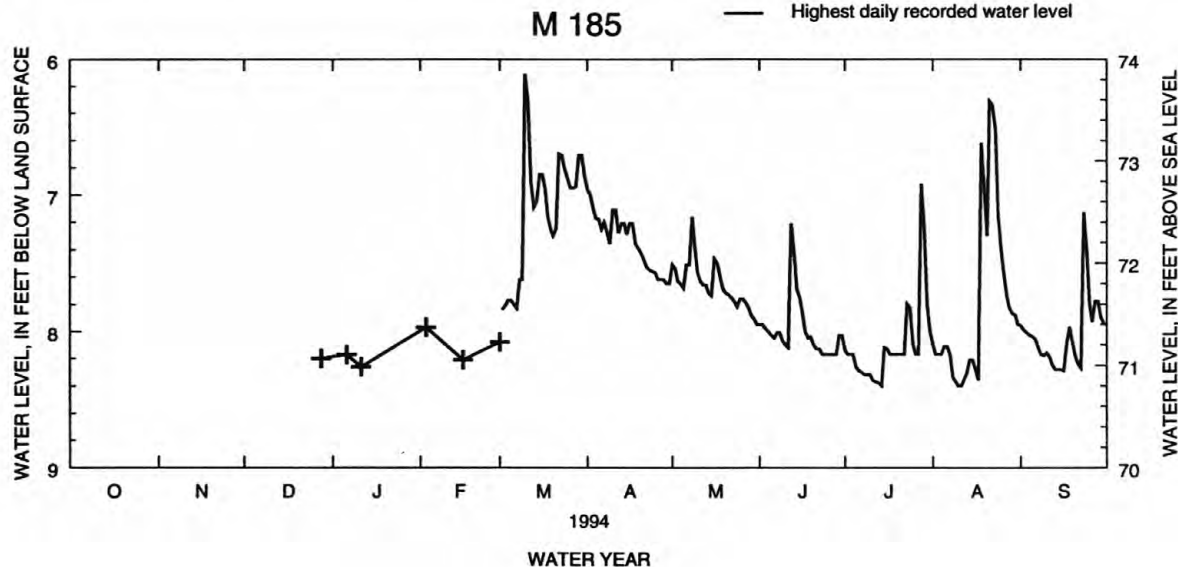
HIGHEST DAILY WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR MARCH TO SEPTEMBER 1994

DAY	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.96	7.51	7.95	8.14	8.10	7.96
2	7.84	7.00	7.54	7.95	8.17	8.17	7.99
3	7.81	7.10	7.63	7.98	8.17	8.17	8.01
4	7.77	7.17	7.65	8.00	8.17	8.17	8.03
5	7.77	7.18	7.68	8.03	8.26	8.11	8.04
6	7.80	7.25	7.51	8.05	8.29	8.11	8.06
7	7.83	7.20	7.51	8.01	8.30	8.17	8.12
8	7.62	7.27	7.16	8.01	8.32	8.34	8.17
9	7.62	7.36	7.40	8.07	8.32	8.37	8.18
10	6.11	7.11	7.57	8.10	8.32	8.40	8.16
11	6.30	7.11	7.63	8.12	8.36	8.40	8.19
12	6.90	7.28	7.66	7.21	8.37	8.35	8.25
13	7.09	7.21	7.66	7.40	8.38	8.31	8.28
14	7.05	7.21	7.72	7.69	8.40	8.21	8.28
15	6.85	7.29	7.74	7.75	8.12	8.21	8.28
16	6.85	7.21	7.47	7.86	8.13	8.28	8.29
17	6.95	7.21	7.50	8.00	8.17	8.36	8.09
18	7.16	7.36	7.60	8.05	8.17	6.62	7.97
19	7.25	7.39	7.69	8.04	8.17	6.93	8.07
20	7.30	7.43	7.72	8.10	8.17	7.30	8.18
21	7.25	7.48	7.73	8.13	8.17	6.31	8.24
22	6.70	7.53	7.75	8.13	8.17	6.34	8.27
23	6.71	7.55	7.78	8.17	7.80	6.52	7.13
24	6.81	7.56	7.82	8.17	7.83	7.16	7.40
25	6.88	7.57	7.76	8.17	8.09	7.39	7.80
26	6.95	7.62	7.76	8.17	8.17	7.58	7.93
27	6.95	7.62	7.79	8.17	8.17	7.74	7.78
28	6.94	7.62	7.83	8.17	6.92	7.83	7.78
29	6.71	7.65	7.88	8.03	7.24	7.87	7.90
30	6.71	7.65	7.91	8.03	7.80	7.88	7.94
31	6.86	---	7.95	---	8.00	7.95	---

EXPLANATION

+ + Measurements before 03-02-1994

— Highest daily recorded water level



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414617072314801 Local Number, M 186.

LOCATION.--Lat 41°46'17", long 72°31'48", Hydrologic Unit 01080205; Center Street., In vacant lot 100 ft west of New Street, 500 feet South of Center Street, Manchester; Manchester quadrangle.
Owner: Arnold Millworks.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 100 ft, PVC casing, slotted 95 to 100 ft .

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

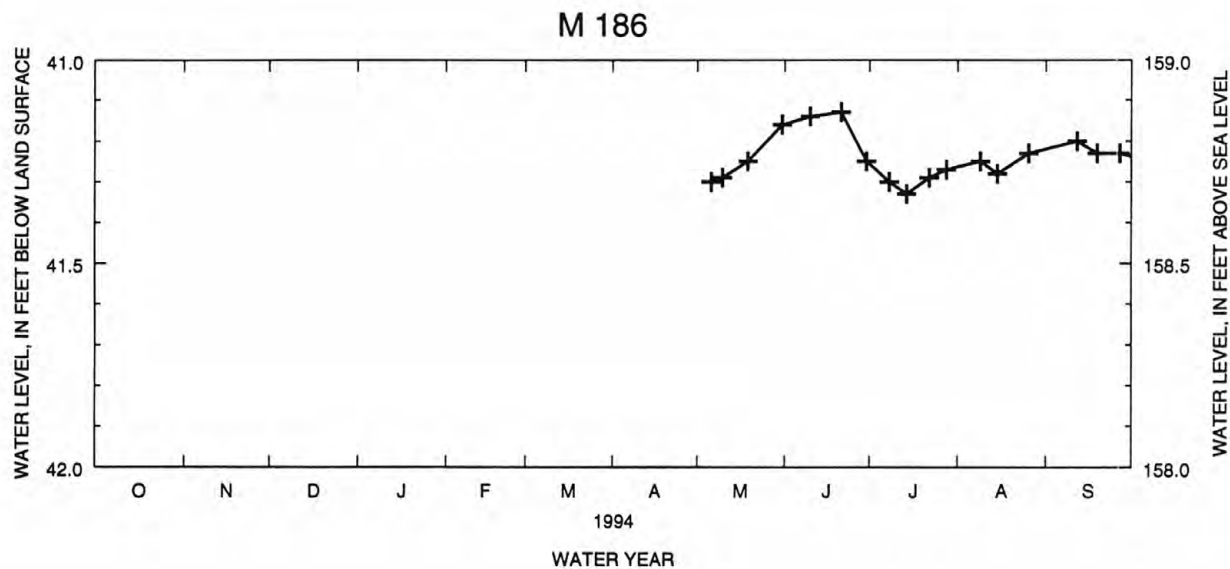
DATUM.--Elevation of land-surface datum is 200 ft above sea level, from topographic map.

Measuring point: Top steel casing, 1.12 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Deepest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
MAY 06	41.30	JUN 10	41.14	JUL 14	41.33	AUG 15	41.28
10	41.29	21	41.13	22	41.29	26	41.23
19	41.25	30	41.25	28	41.27	SEP 12	41.20
31	41.16	JUL 08	41.30	AUG 09	41.25	19	41.23
WATER YEAR 1994		HIGHEST	41.13	JUN 21, 1994	LOWEST	41.33	JUL 14, 1994



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414617072314802 Local Number, M 187.

LOCATION.--Lat 41°46'17", long 72°31'48", Hydrologic Unit 01080205; Center Street., In vacant lot 100 ft west of New Street, 500 feet South of Center Street, Manchester; Manchester quadrangle. Owner: Arnold Millworks.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 76.6 ft, PVC casing, slotted 71.6 to 76.6 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

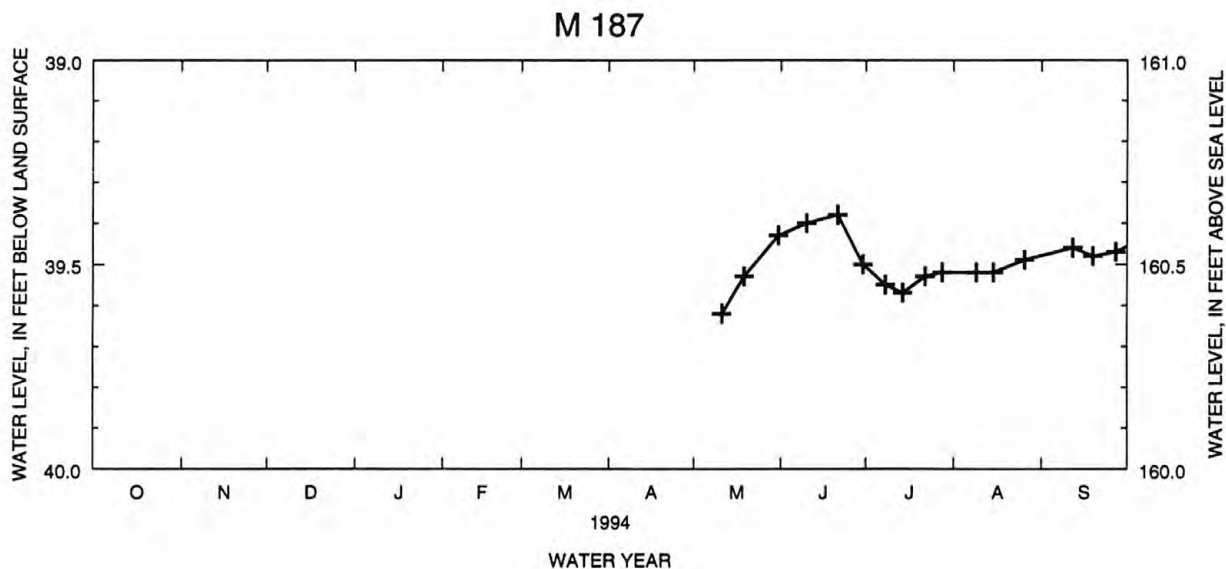
DATUM.--Elevation of land-surface datum is 200 ft above sea level, from topographic map.

Measuring point: Top steel casing, 1.38 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Intermediate depth of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
MAY 11	39.62	JUN 21	39.38	JUL 22	39.53	AUG 26	39.49
19	39.53	30	39.50	28	39.52	SEP 12	39.46
31	39.43	JUL 08	39.55	AUG 09	39.52	19	39.48
JUN 10	39.40	14	39.57	15	39.52	27	39.47
WATER YEAR 1994	HIGHEST	39.38	JUN 21, 1994	LOWEST	39.62	MAY 11, 1994	



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414617072314803 Local Number, M 188.

LOCATION.--Lat 41°46'17", long 72°31'48", Hydrologic Unit 01080205; Center Street., In vacant lot 100 ft west of New Street, 500 feet South of Center Street, Manchester; Manchester quadrangle. Owner: Arnold Millworks.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 54.4 ft, PVC casing, slotted 49.4 to 54.4 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

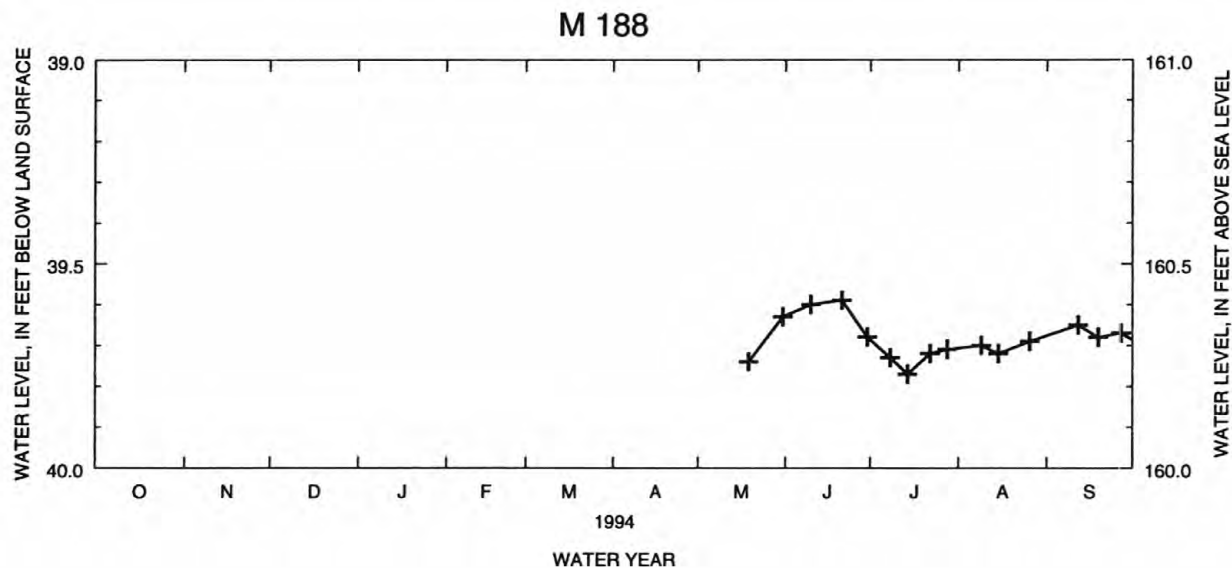
DATUM.--Elevation of land-surface datum is 200 ft above sea level, from topographic map.

Measuring point: Top steel casing, 1.38 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program. Shallowest of three wells at this location.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
MAY 19	39.74	JUN 21	39.59	JUL 14	39.77	AUG 09	39.70	SEP 12	39.65
31	39.63	30	39.68	22	39.72	15	39.72	19	39.68
JUN 10	39.6	JUL 08	39.73	28	39.71	26	39.69	27	39.67
WATER YEAR 1994		HIGHEST	39.59	JUN 21, 1994	LOWEST	39.77	JUL 14, 1994		



GROUND-WATER LEVELS

HARTFORD COUNTY--Continued

414605072302101 Local Number, M 189.

LOCATION.--Lat 41°46'05", long 72°30'21", Hydrologic Unit 01080205; In vacant lot corner of Autumn and School Streets, Manchester; Manchester quadrangle.
Owner: Town of Manchester.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Bored, unused, water table well, diameter 2 in, depth 31 ft, PVC casing, slotted 26 to 31 ft.

INSTRUMENTATION.-- Weekly measurements made with an electric tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 300 ft above sea level, from topographic map.

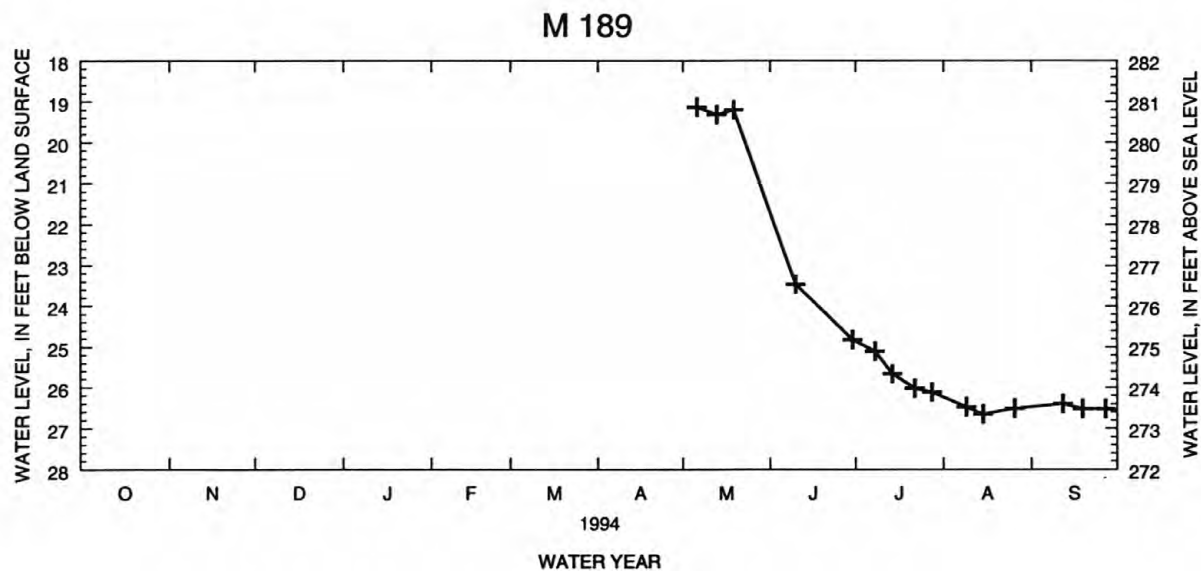
Measuring point: Top steel casing, 1.14 ft above land-surface datum.

REMARKS.--Water levels measured during 1994 as part of National Water Quality Assessment program.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
MAY 06	19.14	JUN 10	23.47	JUL 14	25.66	AUG 09	26.48	SEP 12	26.40
13	19.32	30	24.83	22	26.03	15	26.65	19	26.52
19	19.20	JUL 08	25.11	28	26.12	26	26.51	27	26.52

WATER YEAR 1994 HIGHEST 19.14 MAY 06, 1994 LOWEST 26.65 AUG 15, 1994



GROUND-WATER LEVELS

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 1000 ft southeast of South Road; 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 to September 1993 measurements made with a chalked tape by State Natural Resources Center personnel. From October, 1994, to present, measurements made by USGS personnel with a chalked tape.

DATUM.--Elevation of land-surface datum is 255 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1986 to current year.

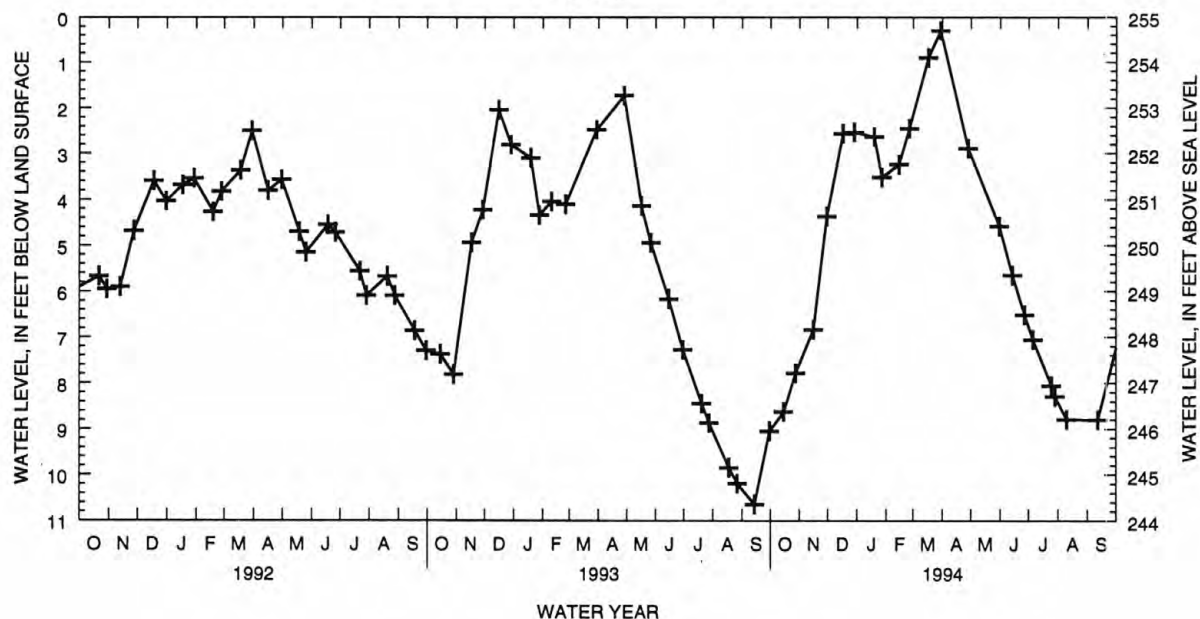
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.30 ft below land-surface datum, March 30, 1994; lowest measured, 10.65 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	8.63	DEC 29	2.54	MAR 17	.90	JUN 27	6.52	SEP 12	8.80
28	7.79	JAN 19	2.63	30	.30	JUL 06	7.06		
NOV 16	6.84	27	3.52	APR 28	2.89	25	8.06		
30	4.37	FEB 14	3.24	MAY 31	4.58	29	8.29		
DEC 17	2.57	25	2.45	JUN 14	5.65	AUG 10	8.79		

WATER YEAR 1994 HIGHEST .30 MAR 30, 1994 LOWEST 8.80 SEP 12, 1994

MB 32



GROUND-WATER LEVELS
HARTFORD COUNTY--Continued

413554072270201. Local Number, MB 35.

LOCATION.--Lat 41°35'35", long 72°25'37", Hydrologic Unit 01080205, Ogden Lord Road, one mile north of Colchester Town line 20' 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.--Measurements made with a chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 515 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.0 ft above land-surface datum.

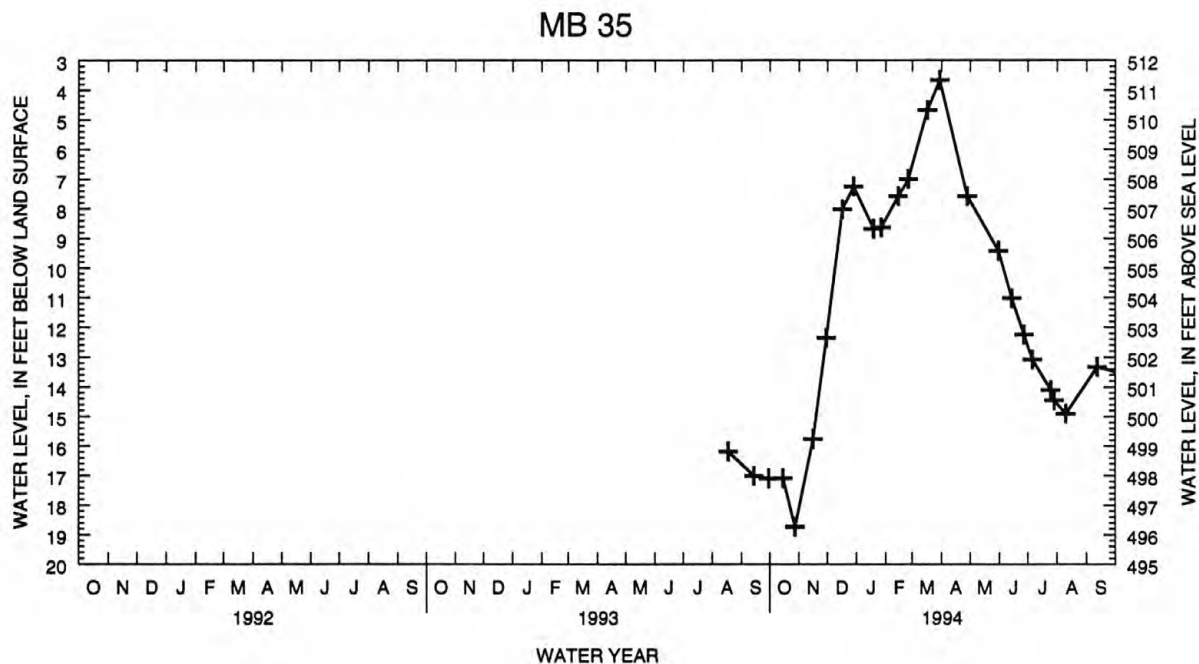
REMARKS --New well drilled, August 10, 1993.

PERIOD OF RECORD.--August 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft below land-surface datum, March 30, 1994; lowest measured, 18.74 ft below land-surface datum, October 28, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 17.08	DEC 29 7.25	MAR 17 4.68	JUN 27 12.25	SEP 12 13.32
28 18.74	JAN 19 8.67	30 3.67	JUL 06 13.08	
NOV 16 15.75	27 8.63	APR 28 7.58	25 14.10	
30 12.35	FEB 14 7.57	MAY 31 9.42	29 14.45	
DEC 17 8.02	25 7.00	JUN 14 11.02	AUG 10 14.90	
WATER YEAR 1994	HIGHEST 3.67 MAR 30, 1994	LOWEST 18.74 OCT 28, 1993		



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 Road, 1,000 feet north of Colchester Town line 60 feet 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.--Measurements made with a chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 485 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.50 ft above land-surface datum.

REMARKS.--New well drilled, August 10, 1993.

PERIOD OF RECORD.--August 1993 to current year.

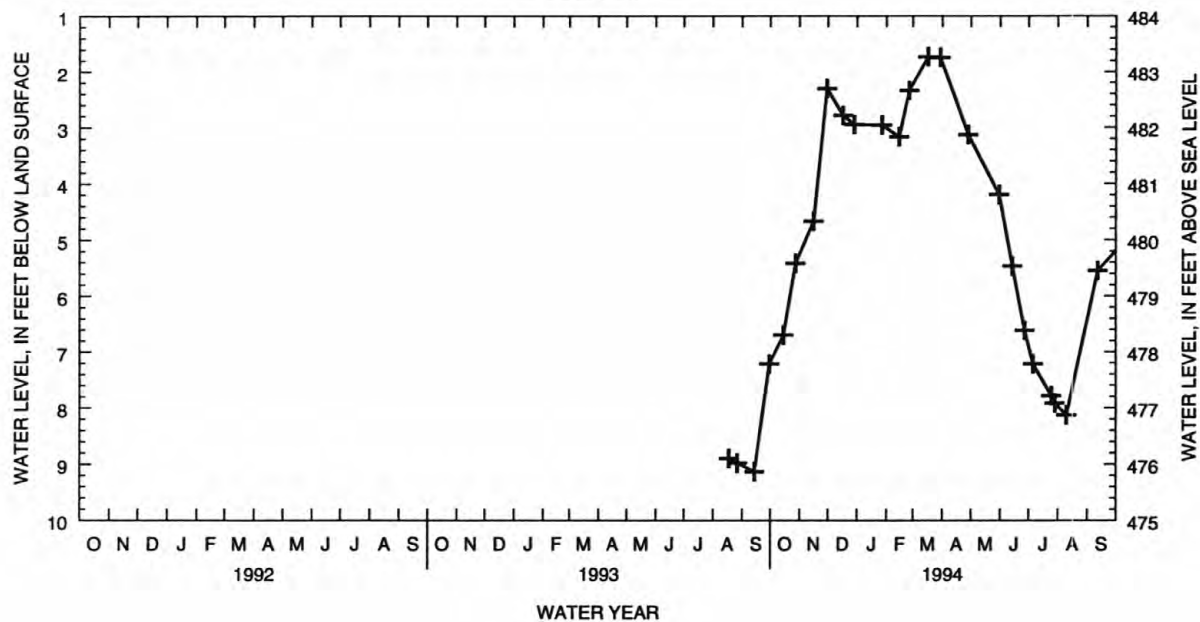
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.73 ft below land-surface datum, March 17, 1994; lowest measured, 9.13 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 15	6.70	DEC 17	2.79	FEB 25	2.34	MAY 31	4.20	JUL 25	7.79
28	5.42	29	2.95	MAR 17	1.73	JUN 14	5.47	29	7.92
NOV 16	4.67	JAN 27	2.96	30	1.74	27	6.62	AUG 10	8.13
30	2.31	FEB 14	3.17	APR 28	3.13	JUL 06	7.22	SEP 12	5.55

WATER YEAR 1994 HIGHEST 1.73 MAR 17, 1994 LOWEST 8.13 AUG 10, 1994

MB 36



GROUND-WATER LEVELS

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 Street, 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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. 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.

REMARKS.--Access obstructed September 26, 1992.

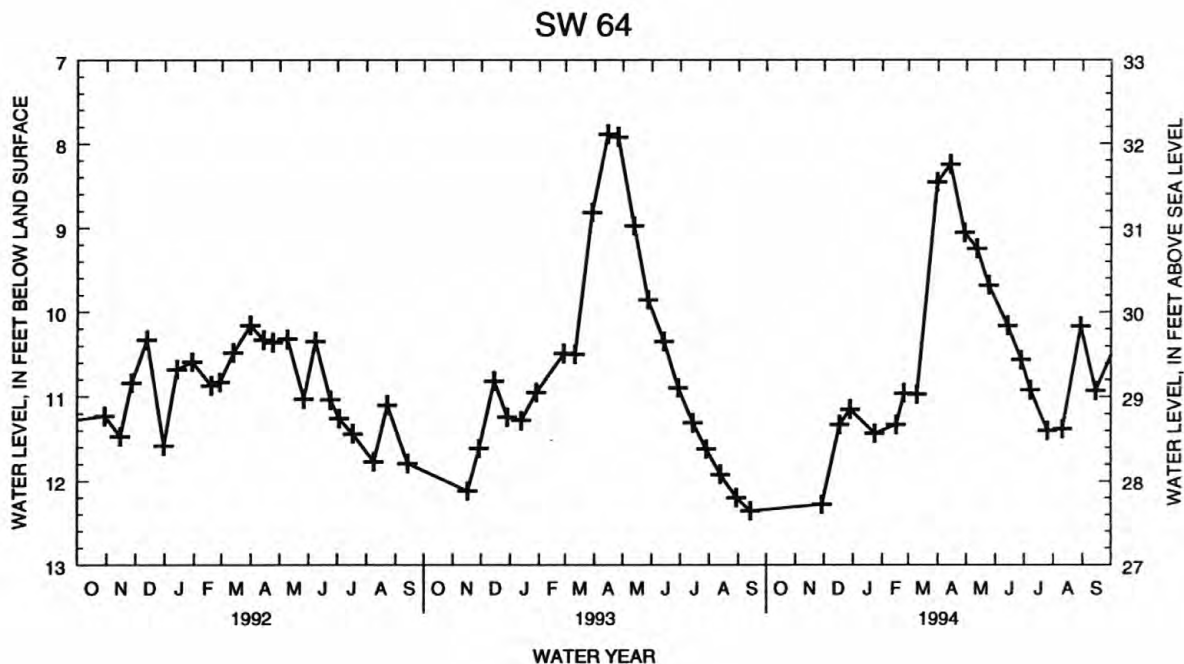
PERIOD OF RECORD.--November 1934 to September 1939 and October 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.12 ft below land-surface datum, April 26, 1983; lowest measured, 15.22 ft below land-surface datum, January 26, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
NOV 29 12.28	FEB 16 11.33	APR 14 8.25	JUN 14 10.16	AUG 11 11.38
DEC 18 11.33	24 10.96	29 9.06	28 10.56	30 10.17
29 11.15	MAR 10 10.97	MAY 12 9.25	JUL 08 10.92	SEP 15 10.93
JAN 24 11.43	31 8.46	25 9.68	26 11.40	

WATER YEAR 1994 HIGHEST 8.25 APR 14, 1994 LOWEST 12.28 NOV 29, 1993



GROUND-WATER LEVELS

LITCHFIELD COUNTY

420125073193001. Local Number, NOC 7.

LOCATION.--Lat 42°01'25", long 73°19'30", Hydrologic Unit 01100005, 300 ft south and 75 ft west of junction of State Routes 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, stone-lined.

INSTRUMENTATION.--Measurements made weekly, July 18, 1988 to August 31, 1989. Prior to July 18, 1988 measured monthly, and since August 31, 1989 measured biweekly with a chalked tape by observer.

DATUM.--Elevation of land-surface datum is 675 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.

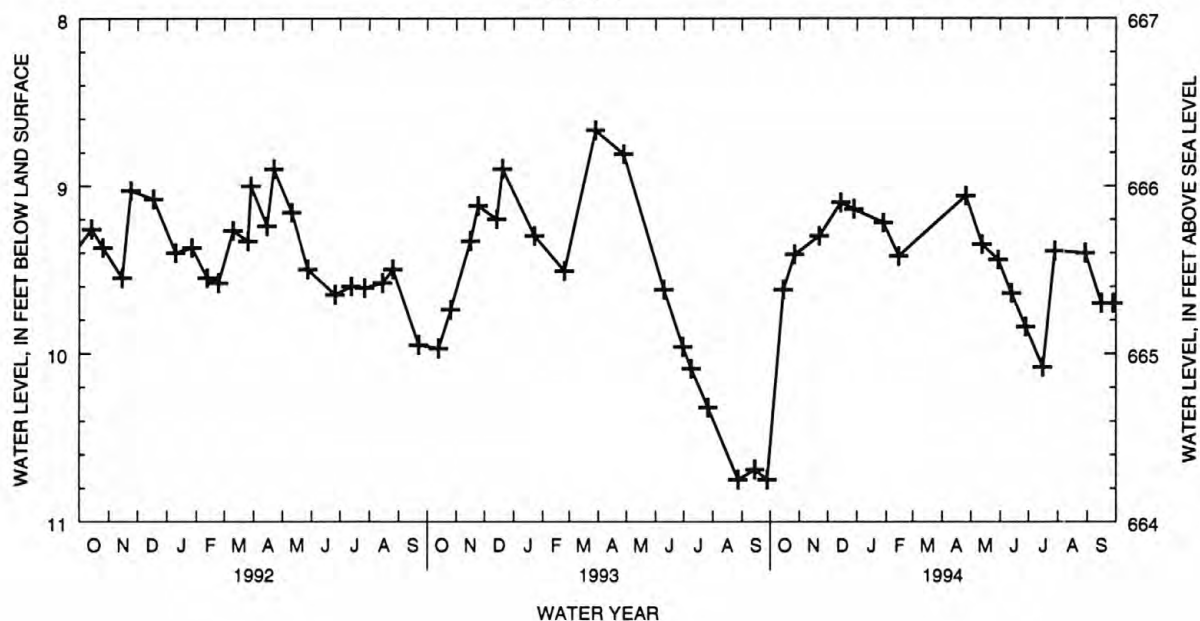
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.40 ft below land-surface datum, November 23 and December 8, 1984; lowest measured, 11.18 ft below land-surface datum, September 5, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	9.62	DEC 29	9.14	MAY 13	9.35	JUL 16	10.08	SEP 28	9.70
27	9.41	JAN 29	9.22	30	9.44	29	9.39		
NOV 22	9.30	FEB 14	9.42	JUN 13	9.64	AUG 30	9.40		
DEC 15	9.10	APR 26	9.06	28	9.84	SEP 16	9.70		

WATER YEAR 1994 HIGHEST 9.06 APR 26, 1994 LOWEST 10.08 JUL 16, 1994

NOC 7



GROUND-WATER LEVELS

LITCHFIELD COUNTY--Continued

415925073252001. Local Number, SY 15

LOCATION.--Lat 41°55'25", long 73°25'20", Hydrologic Unit 01100005; 800 ft east of State Route 41
On Lower Cobble Road, 8 ft south of pavement and 10 ft east of fence, Salisbury; Sharon quadrangle.
Owner: Town of Salisbury

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water table well, diameter 2 in, depth 27.4 ft, PVC casing,
screened 24 to 27.4 ft.

INSTRUMENTATION.--Measurements made weekly with a chalked tape by paid observer.

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 1987 to current year.

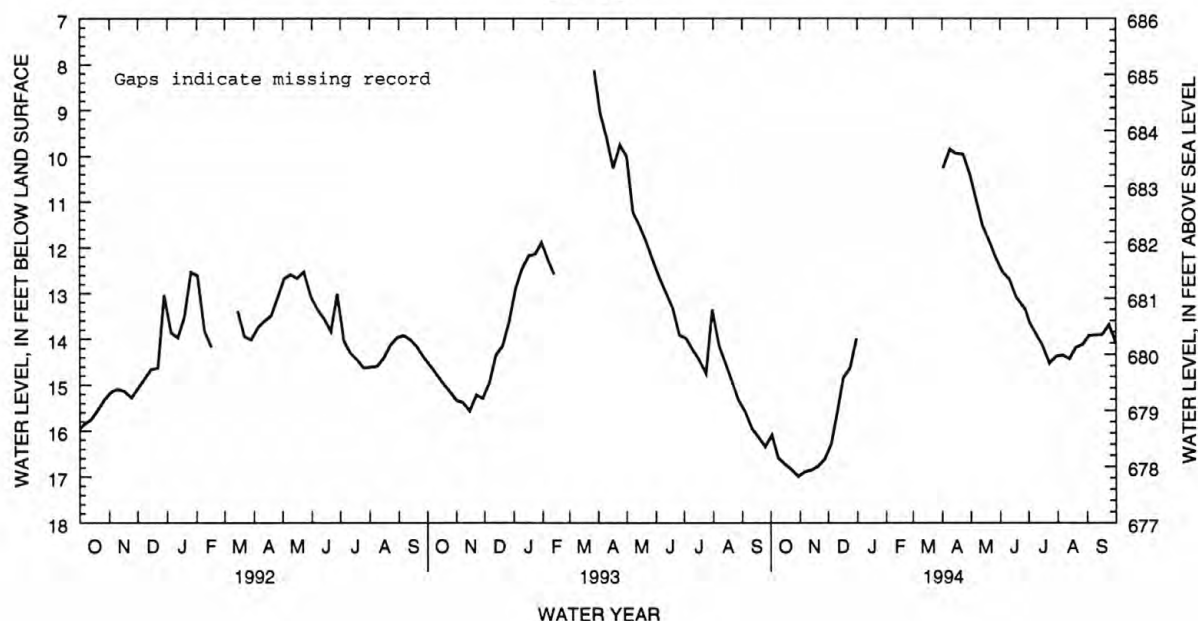
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, March 28, 1993;
lowest measured, 16.99 ft below land-surface datum, October 30, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 02	16.09	NOV 27	16.61	APR 15	9.94	JUN 18	13.08	AUG 13	14.43
09	16.59	DEC 04	16.28	23	9.96	28	13.36	20	14.18
16	16.73	11	15.55	30	10.39	JUL 02	13.64	27	14.12
23	16.84	17	14.84	MAY 14	11.52	09	13.88	SEP 03	13.92
30	16.99	24	14.63	21	11.86	16	14.14	10	13.91
NOV 06	16.89	31	13.99	28	12.24	23	14.53	17	13.90
13	16.85	APR 02	10.26	JUN 04	12.53	30	14.38	24	13.69
20	16.77	09	9.86	11	12.69	AUG 06	14.35		

WATER YEAR 1994 HIGHEST 9.86 APR 09, 1994 LOWEST 16.99 OCT 30, 1993

SY 15



GROUND-WATER LEVELS

LITCHFIELD COUNTY--Continued

415554073253401. Local Number, SY 23

LOCATION.--Lat 41°55'54", long 73°25'34", Hydrologic Unit 01100005; 450 ft south of junction of Race Track Road on State Route 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.--Measurements made weekly with a chalked tape by paid observer.

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.

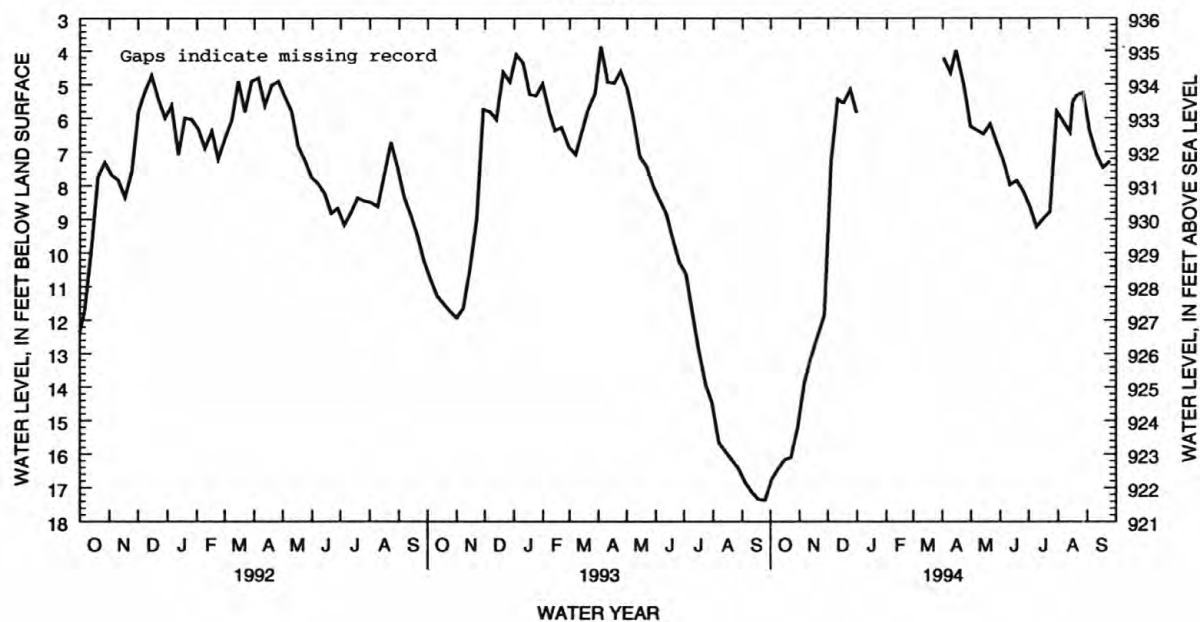
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.87 ft below land-surface datum, April 3, 1993; lowest measured, 17.37 ft below land-surface datum, September 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 02	16.78	NOV 27	11.86	APR 15	3.99	JUN 18	7.86	AUG 16	5.54
09	16.46	DEC 04	7.28	23	5.01	25	8.18	20	5.34
16	16.18	11	5.45	30	6.25	JUL 02	8.63	27	5.25
23	16.11	17	5.57	MAY 14	6.48	09	9.23	SEP 03	6.41
30	15.22	24	5.16	21	6.18	16	8.99	10	7.08
NOV 06	13.89	31	5.85	28	6.74	23	8.78	17	7.48
13	13.15	APR 02	4.23	JUN 04	7.26	30	5.81	24	7.29
20	12.49	09	4.67	11	7.98	AUG 13	6.43		

WATER YEAR 1994 HIGHEST 3.99 APR 15, 1994 LOWEST 16.78 OCT 02, 1993

SY 23



GROUND-WATER LEVELS

LITCHFIELD COUNTY--Continued

415956073241501. Local Number SY 24

LOCATION.--Lat 41°59'56", long 73°24'15", Hydrologic Unit 01100005; near junction of State Route 44 and Taconic Road, 115 ft north of Route 44 and 50 ft east of Taconic Road, 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 28.27 ft, PVC casing, screened 25.7 to 28.7 ft.

INSTRUMENTATION.--Measurements made weekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 815 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1987 to current year.

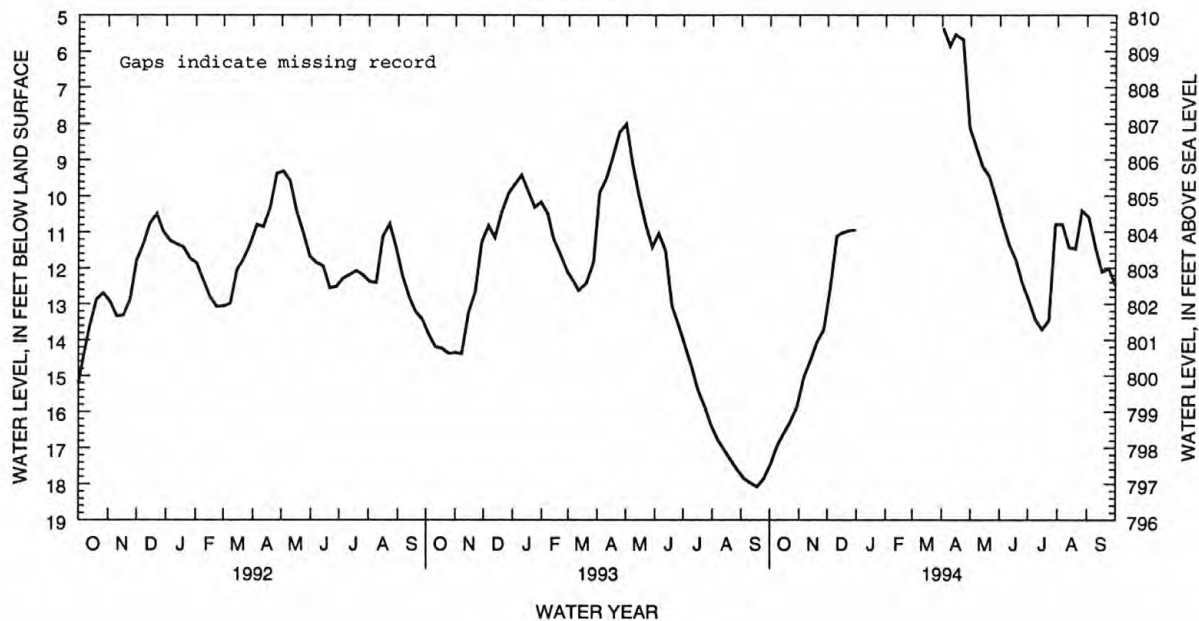
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.36 ft below land-surface datum, April 2, 1994; lowest measured, 18.07 ft below land-surface datum, September 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 02 17.44	NOV 27 13.71	APR 15 5.54	JUN 18 11.78	AUG 13 11.43
09 16.94	DEC 04 12.53	23 5.68	25 12.41	20 11.48
16 16.59	11 11.12	30 8.11	JUL 02 12.89	27 10.41
23 16.28	17 11.02	MAY 14 9.18	09 13.43	SEP 03 10.59
30 15.85	24 10.96	21 9.46	16 13.71	10 11.43
NOV 06 15.04	31 10.95	28 10.08	23 13.46	17 12.11
13 14.59	APR 02 5.36	JUN 04 10.74	30 10.79	24 12.02
20 14.05	09 5.86	11 11.34	AUG 06 10.78	

WATER YEAR 1994 HIGHEST 5.36 APR 02, 1994 LOWEST 17.44 OCT 02, 1993

SY 24



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 Street and 21 ft north of Irene Thulin House and about 500 ft south of Orenaug Road, Woodbury; Woodbury quadrangle.
 Owner: Irene Boultonbee.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 30 in, depth 31 ft (formerly 34.2 ft).

INSTRUMENTATION.--Prior to November 1990 measurements made monthly, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel. ADR water-level recorder with 60-minute punch installed May 7, 1986 and removed December 28, 1987.
 Analog recorder installed Oct. 5, 1965; removed May 18, 1970.

DATUM.--Elevation of land-surface datum is 270 ft above sea level, from topographic map.

Measuring point: Top of plywood cover, 2.53 ft above land-surface datum.

REMARKS.--Water level data available October 1913 through December 1916, not included in period of record due to lack of documentation of measuring point height.

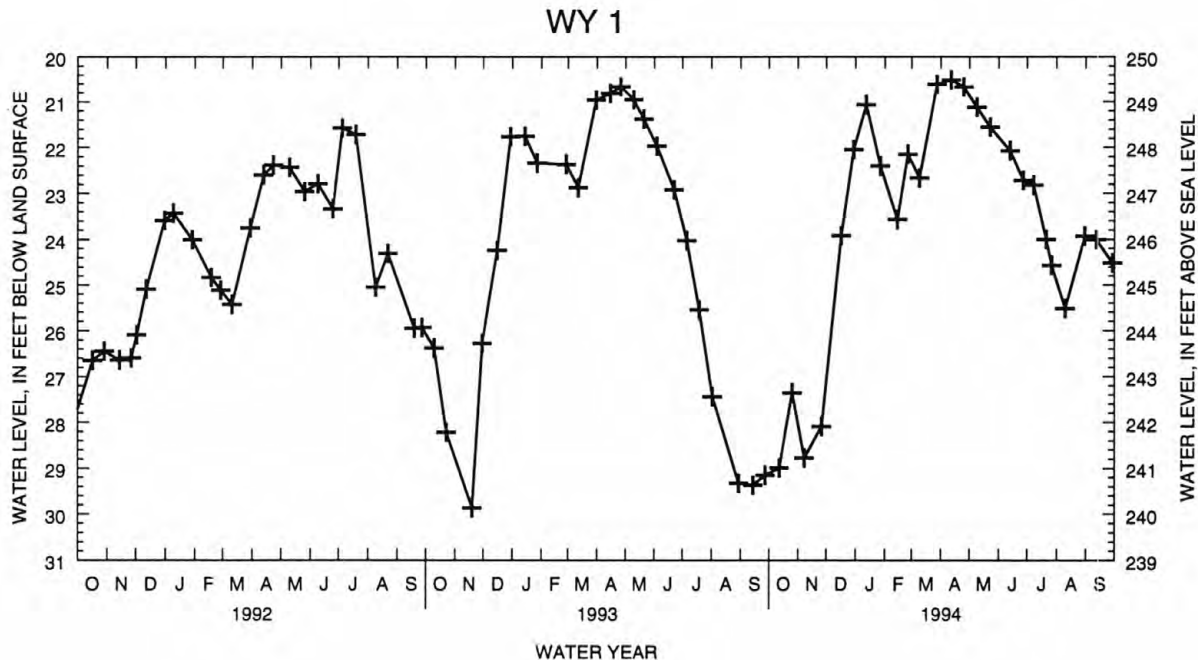
PERIOD OF RECORD.--April 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, April 26, 1983; lowest measured, 30.81 ft below land-surface datum, September 24, 1981

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	28.99	DEC 30	22.05	MAR 09	22.66	MAY 23	21.56	JUL 27	24.57
26	27.36	JAN 12	21.06	28	20.61	JUN 13	22.08	AUG 10	25.52
NOV 08	28.77	27	22.40	APR 12	20.51	27	22.72	31	23.93
26	28.09	FEB 14	23.57	25	20.67	JUL 08	22.82	SEP 12	24.01
DEC 17	23.92	25	22.15	MAY 09	21.12	21	24.00	29	24.52

WATER YEAR 1994 HIGHEST 20.51 APR 12, 1994 LOWEST 28.99 OCT 12, 1993



GROUND-WATER LEVELS

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 Drive, 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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 205 ft above sea level, from topographic map.
Measuring point: Top of casing, 1.08 ft above land-surface datum.

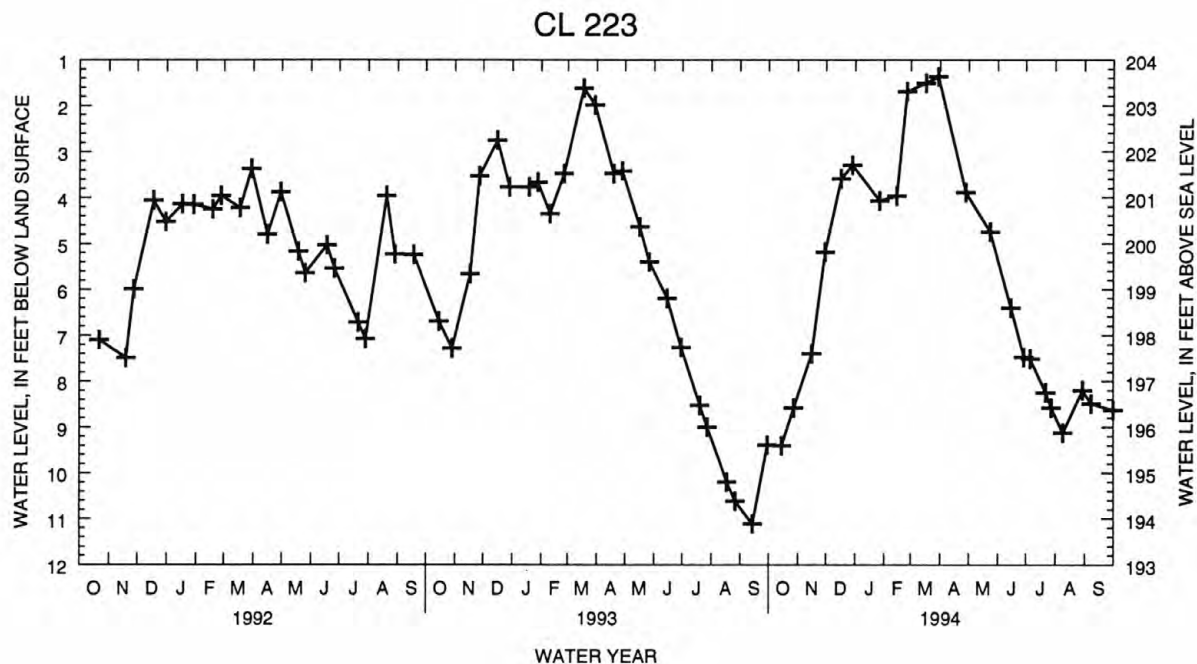
PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.37 ft below land-surface datum, March 30, 1994;
lowest measured, 11.11 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	9.40	DEC 29	3.30	MAR 30	1.37	JUL 06	7.52	SEP 08	8.49
28	8.58	JAN 27	4.07	APR 28	3.89	22	8.25		
NOV 16	7.40	FEB 14	3.97	MAY 24	4.75	28	8.58		
30	5.19	25	1.69	JUN 15	6.41	AUG 09	9.12		
DEC 17	3.59	MAR 17	1.51	29	7.48	30	8.20		

WATER YEAR 1994 HIGHEST 1.37 MAR 30, 1994 LOWEST 9.40 OCT 15, 1993



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 Drive, 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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map.

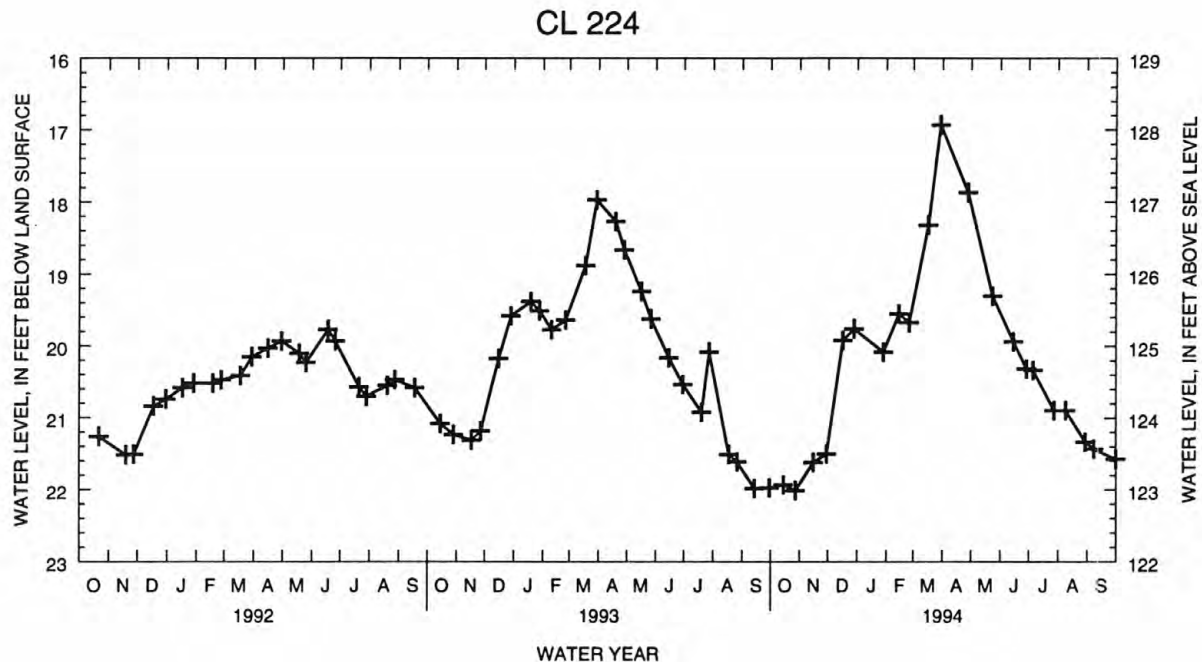
Measuring point: Top of casing, 0.57 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.93 ft below land-surface datum, March 30, 1994; lowest measured, 21.98 ft below land-surface datum, October 28, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	21.93	DEC 17	19.92	FEB 25	19.67	MAY 24	19.30	JUL 28	20.89
28	22.01	29	19.76	MAR 17	18.32	JUN 15	19.93	AUG 09	20.89
NOV 16	21.62	JAN 29	20.08	30	16.93	29	20.31	30	21.33
30	21.50	FEB 14	19.55	APR 28	17.87	JUL 06	20.33	SEP 08	21.43
WATER YEAR 1994		HIGHEST	16.93	MAR 30, 1994	LOWEST	22.01	OCT 28, 1993		



GROUND-WATER LEVELS

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 Route 81, well is 200 ft east of Route 81 at edge of field, 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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 40 ft above sea level, from topographic map.

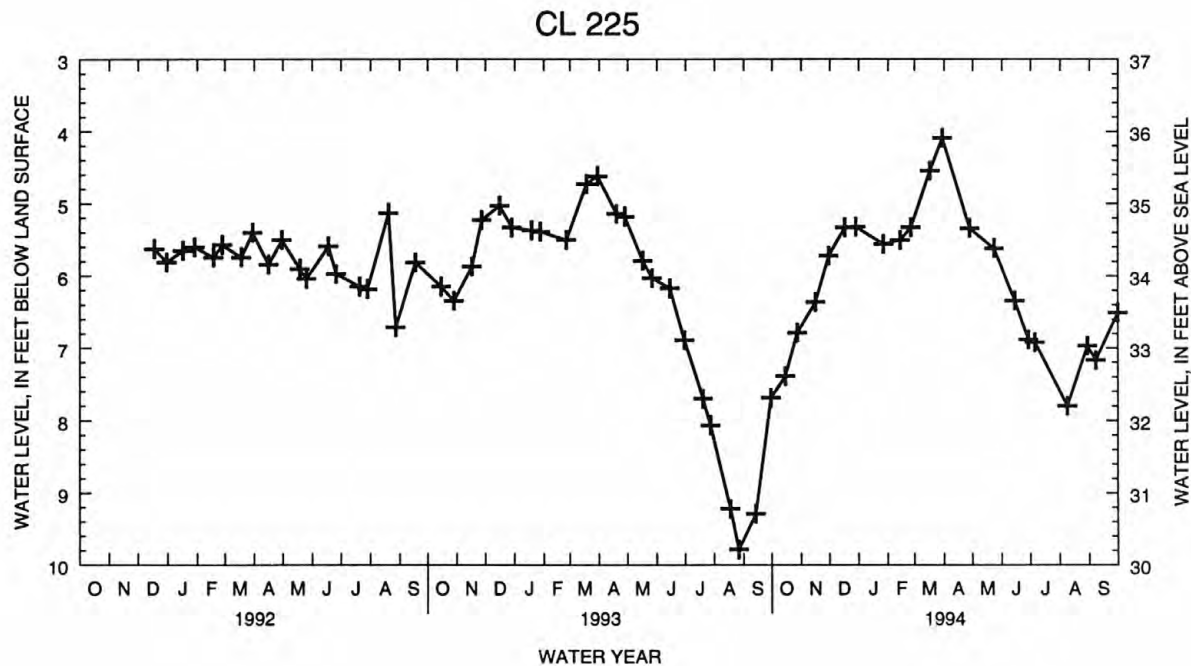
Measuring point: Top of casing, 1.88 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.09 ft below land-surface datum, March 30, 1994; lowest measured, 9.79 ft below land-surface datum, August 27, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 7.39	DEC 17 5.33	FEB 25 5.33	MAY 24 5.62	AUG 09 7.80
28 6.79	29 5.32	MAR 17 4.55	JUN 15 6.34	30 6.97
NOV 16 6.36	JAN 27 5.56	30 4.09	29 6.88	SEP 08 7.17
30 5.72	FEB 14 5.51	APR 28 5.34	JUL 06 6.92	
WATER YEAR 1994	HIGHEST 4.09	MAR 30, 1994	LOWEST 9.79	AUG 27, 1993



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 2400 ft south of State Route 68, Durham; Durham quadrangle.

Owner: Town of Durham, Board of Education, Brewster School.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 23.8 ft, PVC casing, screened 22.3 to 23.8 ft.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by paid observer.

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.

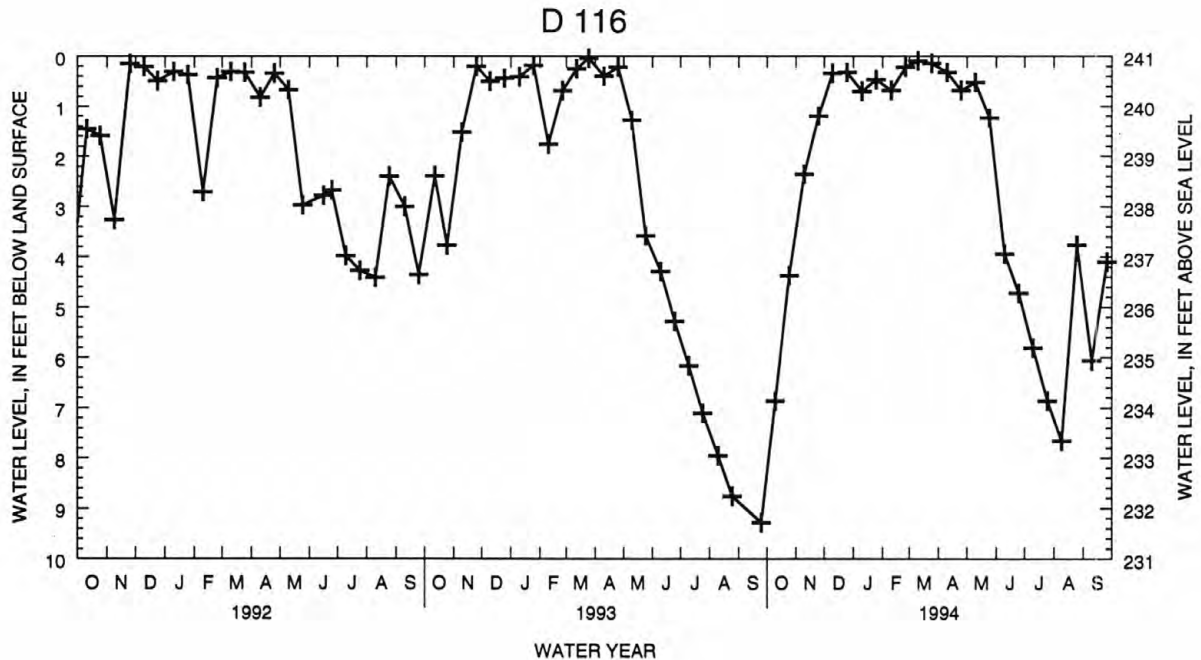
PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.02 ft above land-surface datum, June 10, 1989; lowest measured, 9.29 ft below land-surface datum, September 11, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 10	6.86	DEC 25	.32	MAR 10	.09	MAY 25	1.24	AUG 09	7.66
25	4.37	JAN 10	.70	25	.14	JUN 10	3.94	25	3.76
NOV 10	2.36	25	.47	APR 10	.32	25	4.72	SEP 10	6.06
25	1.20	FEB 10	.68	25	.68	JUL 10	5.81	26	4.10
DEC 10	.34	25	.22	MAY 10	.52	25	6.86		

WATER YEAR 1994 HIGHEST .09 MAR 10, 1994 LOWEST 7.66 AUG 09, 1994



GROUND-WATER LEVELS

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.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 162 ft above sea level, from topographic map.

Measuring point: Top of steel casing, 1.35 ft above land-surface datum.

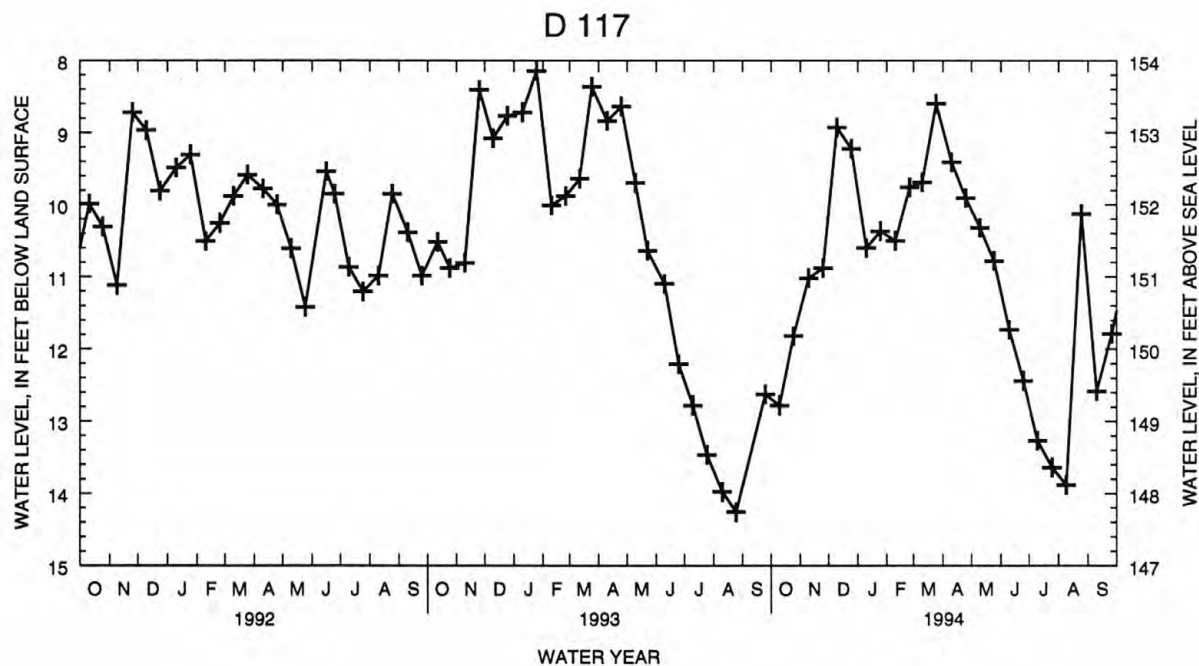
PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.97 ft below land-surface datum April 10, 1987. lowest measured, 14.48 ft below land-surface datum, August 26, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 10 12.78	DEC 25 9.23	MAR 10 9.69	MAY 25 10.78	AUG 09 13.88
25 11.82	JAN 10 10.60	25 8.60	JUN 10 11.73	25 10.13
NOV 10 11.02	25 10.37	APR 10 9.41	25 12.44	SEP 10 12.58
25 10.88	FEB 10 10.50	25 9.91	JUL 10 13.27	26 11.79
DEC 10 8.93	25 9.76	MAY 10 10.32	25 13.64	

WATER YEAR 1994 HIGHEST 8.60 MAR 25, 1994 LOWEST 13.88 AUG 09, 1994



GROUND-WATER LEVELS

MIDDLESEX COUNTY--Continued

412824072411902. Local Number, D 119.

LOCATION.--Lat 41°28'24", long 72°41'19", Hydrologic Unit 01080205, about 1600 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.--Measurements made biweekly with a chalked tape by paid observer.

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.

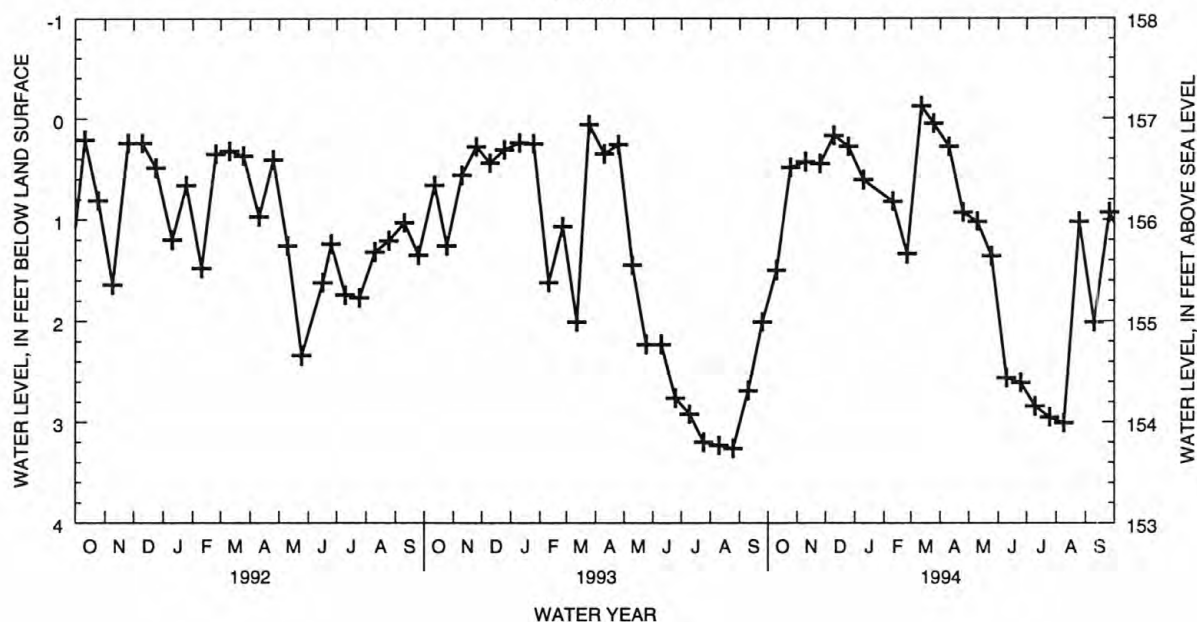
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.12 ft above land-surface datum, March 12, 1994; lowest level measured, 3.56 ft below land-surface datum, August 26, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 10	1.50	DEC 25	.28	MAR 25	.05	JUN 10	2.56	AUG 25	1.02
25	.49	JAN 10	.61	APR 10	.28	25	2.61	SEP 10	2.01
NOV 10	.43	FEB 10	.82	25	.93	JUL 10	2.84	26	.93
25	.45	25	1.34	MAY 10	1.02	25	2.95		
DEC 10	.17	MAR 12	+.12	25	1.36	AUG 09	3.01		

WATER YEAR 1994 HIGHEST +.12 MAR 12, 1994 LOWEST 3.01 AUG 09, 1994

D 119



GROUND-WATER LEVELS

MIDDLESEX COUNTY--Continued

412824072411901. Local Number, D 120.

LOCATION.--Lat 41°28'24", long 72°41'19", Hydrologic Unit 01080205, about 1600 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.--Measurements made biweekly with a chalked tape by paid observer.

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.

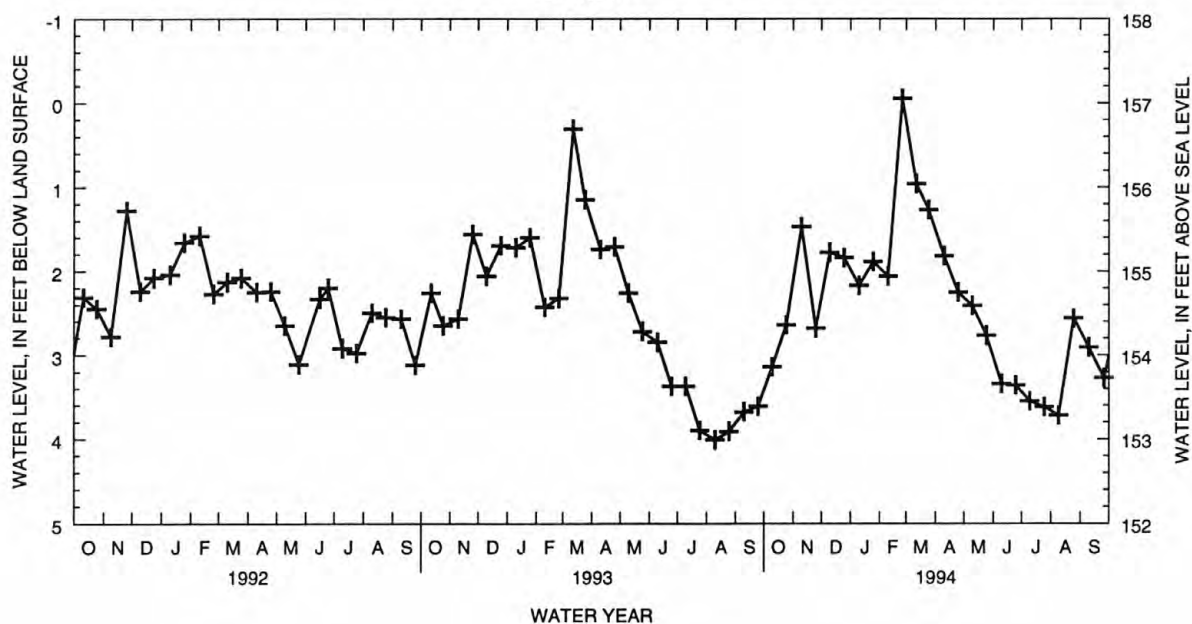
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.05 ft above land-surface datum, February 25, 1994; lowest measured, 4.01 ft below land-surface datum, August 10, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 10 3.14	DEC 25 1.84	MAR 12 .96	MAY 25 2.77	AUG 09 3.72
25 2.64	JAN 10 2.17	25 1.27	JUN 10 3.34	25 2.56
NOV 10 1.47	25 1.89	APR 10 1.82	25 3.36	SEP 10 2.91
25 2.68	FEB 10 2.06	25 2.25	JUL 10 3.55	26 3.27
DEC 10 1.78	25 +.05	MAY 10 2.41	25 3.62	

WATER YEAR 1994 HIGHEST +.05 FEB 25, 1994 LOWEST 3.72 AUG 09, 1994

D 120



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 Route 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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.**DATUM.**--Elevation of land-surface datum is 260 ft above sea level, from topographic map.

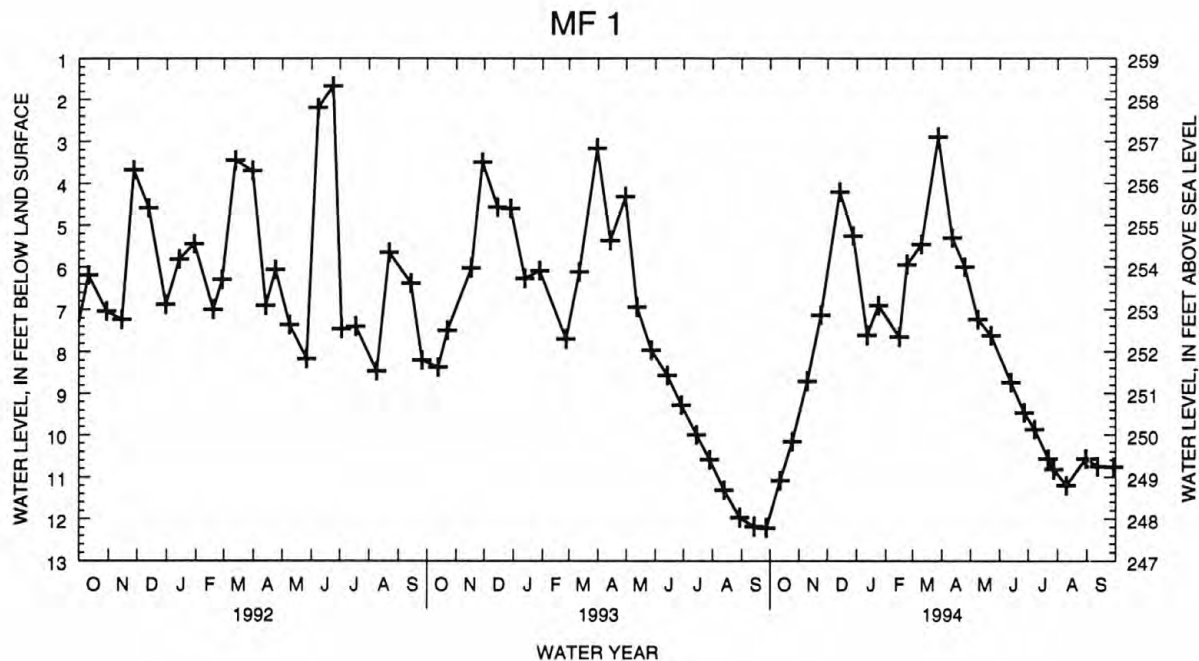
Measuring point: Top of flagstone curb, north side at land-surface datum.

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 measured, 16.92 ft below land-surface datum, November 24, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	11.09	DEC 28	5.26	MAR 10	5.46	MAY 23	7.62	JUL 28	10.82
25	10.16	JAN 12	7.61	28	2.90	JUN 13	8.74	AUG 10	11.20
NOV 10	8.71	24	6.91	APR 12	5.30	27	9.46	31	10.57
24	7.14	FEB 15	7.66	25	6.00	JUL 08	9.87	SEP 12	10.75
DEC 14	4.21	23	5.94	MAY 09	7.24	22	10.57	29	10.77

WATER YEAR 1994 HIGHEST 2.90 MAR 28, 1994 LOWEST 11.20 AUG 10, 1994



GROUND-WATER LEVELS

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 Road and 200 ft northwest of Building 450, Middletown; Middle Haddam quadrangle.
 Owner: United Aircraft Corp., Hartford.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 36 in, depth 27.6 ft, stone-lined.

INSTRUMENTATION.--Prior to December 1990 measurements made monthly, since December 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map.
 Measuring point: Top of stone cover at land-surface datum.

PERIOD OF RECORD.--April 1956 to current year.

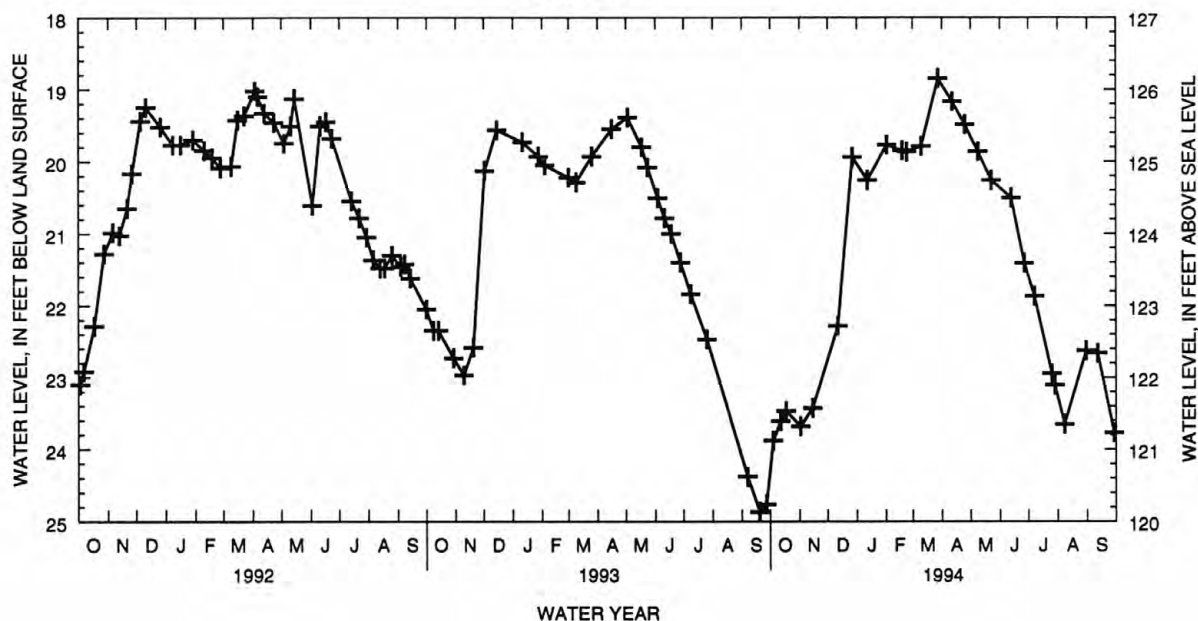
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.16 ft below land-surface datum, April 26, 1983, lowest measured, dry (less than 27.6 ft), November 1, 1957, December 2, 1957, November 25, 1964, and October 31, 1986.

93WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 04	23.88	DEC 27	19.94	MAR 28	18.85	JUN 27	21.41	SEP 12	22.66
12	23.61	JAN 12	20.26	APR 12	19.17	JUL 08	21.87	29	23.77
18	23.47	FEB 02	19.77	25	19.49	26	22.95		
NOV 02	23.68	18	19.85	MAY 09	19.86	29	23.11		
15	23.43	23	19.87	23	20.26	AUG 08	23.65		
DEC 12	22.28	MAR 10	19.79	JUN 13	20.50	31	22.63		

WATER YEAR 1994 HIGHEST 18.85 MAR 28, 1994 LOWEST 23.88 OCT 04, 1993

MT 261



GROUND-WATER LEVELS

NEW HAVEN COUNTY

411723072344701. 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 1500 ft west of Shepard Ave, in Orchard, Hamden; Mount Carmel quadrangle. Owner: Connecticut Agricultural Experiment Station.

AQUIFER.--Sedimentary bedrock (arkose).

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in (0-12 ft), depth 36.35 ft, PVC casing, open hole 12 to 36.35 ft (diameter of open section --3 in).

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 180 ft above sea level, from topographic map.

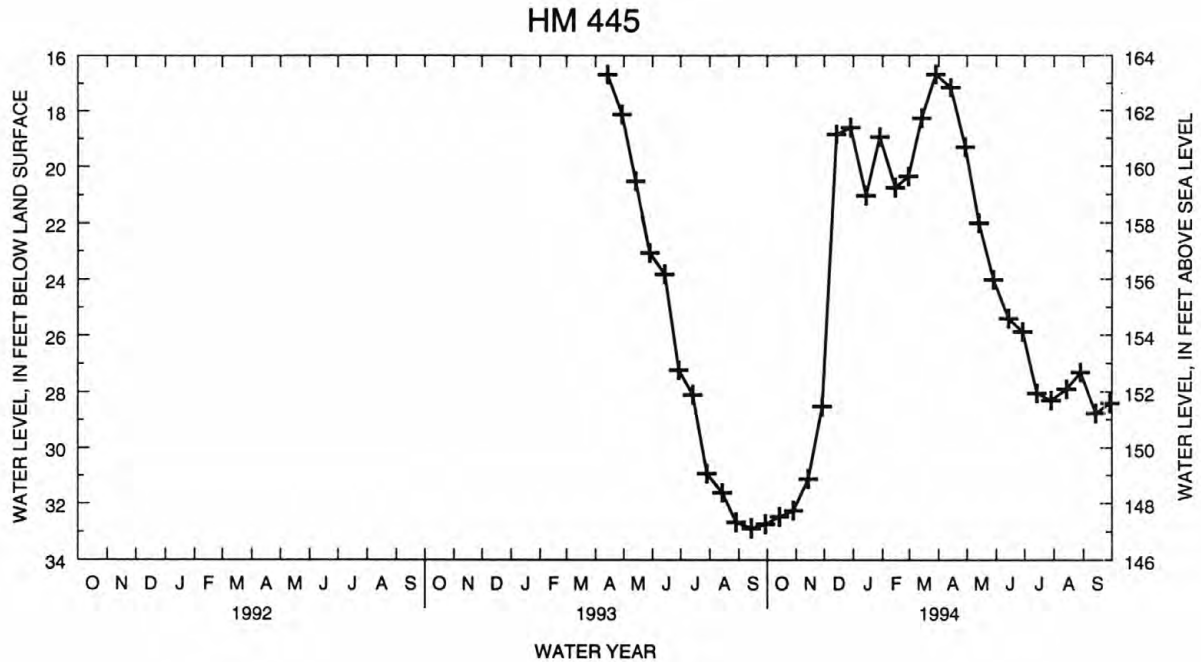
Measuring point: Top of casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--April, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.68 ft below land-surface datum, April 14, 1993, and March 29, 1994; lowest measured, 32.89 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	32.48	DEC 29	18.62	MAR 14	18.28	MAY 29	24.03	AUG 14	27.92
29	32.25	JAN 14	21.04	29	16.68	JUN 14	25.41	29	27.32
NOV 14	31.12	29	18.95	APR 14	17.16	29	25.88	SEP 14	28.77
29	28.53	FEB 14	20.76	29	19.32	JUL 14	28.06	29	28.41
DEC 14	18.86	28	20.36	MAY 14	22.02	29	28.31		
WATER YEAR 1994		HIGHEST	16.68	MAR 29, 1994	LOWEST	32.48	OCT 14, 1993		



GROUND-WATER LEVELS

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.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 95 ft above sea level, from topographic map.

Measuring point: Top of casing, 1.60 ft above land-surface datum.

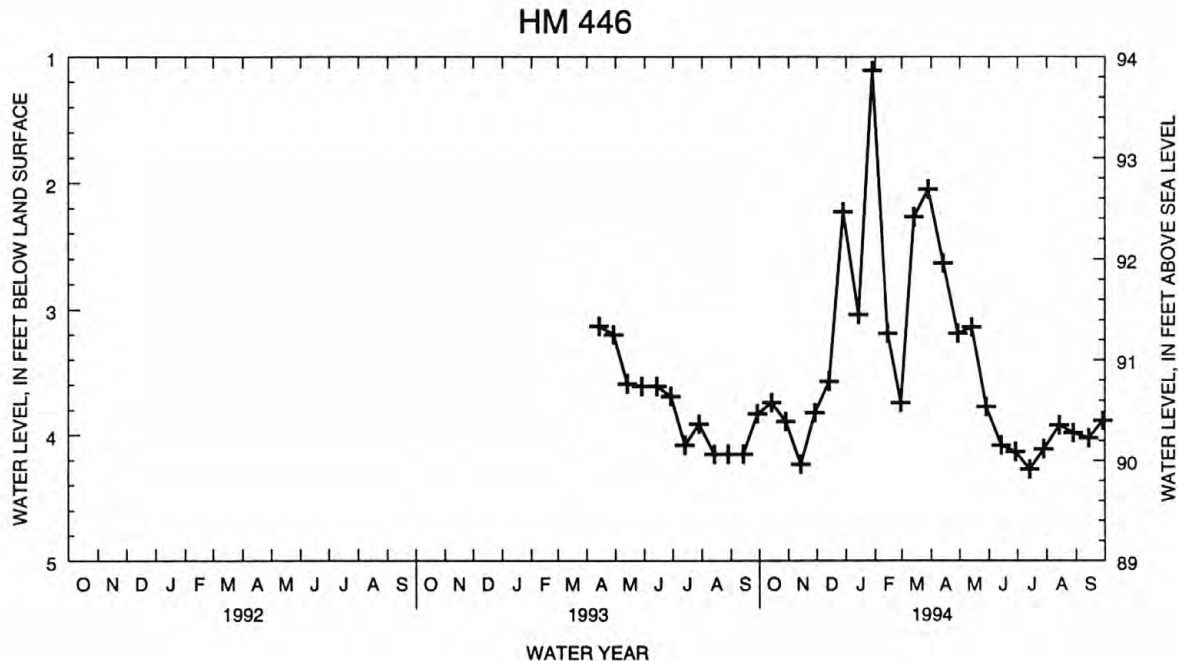
REMARKS.--Northern, shallow well of pair.

PERIOD OF RECORD.--April, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.11 ft below land-surface datum, January 29, 1994, lowest measured, 4.27 ft below land-surface datum, July 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 14 3.74	DEC 29 2.23	MAR 14 2.27	MAY 29 3.77	AUG 14 3.92
29 3.89	JAN 14 3.04	29 2.05	JUN 14 4.08	29 3.98
NOV 14 4.23	29 1.11	APR 14 2.63	29 4.13	SEP 14 4.02
29 3.82	FEB 14 3.19	29 3.19	JUL 14 4.27	29 3.88
DEC 14 3.57	28 3.74	MAY 14 3.14	29 4.11	
WATER YEAR 1994	HIGHEST 1.11	JAN 29, 1994	LOWEST 4.27	JUL 14, 1994



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.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 95 ft above sea level, from topographic map.

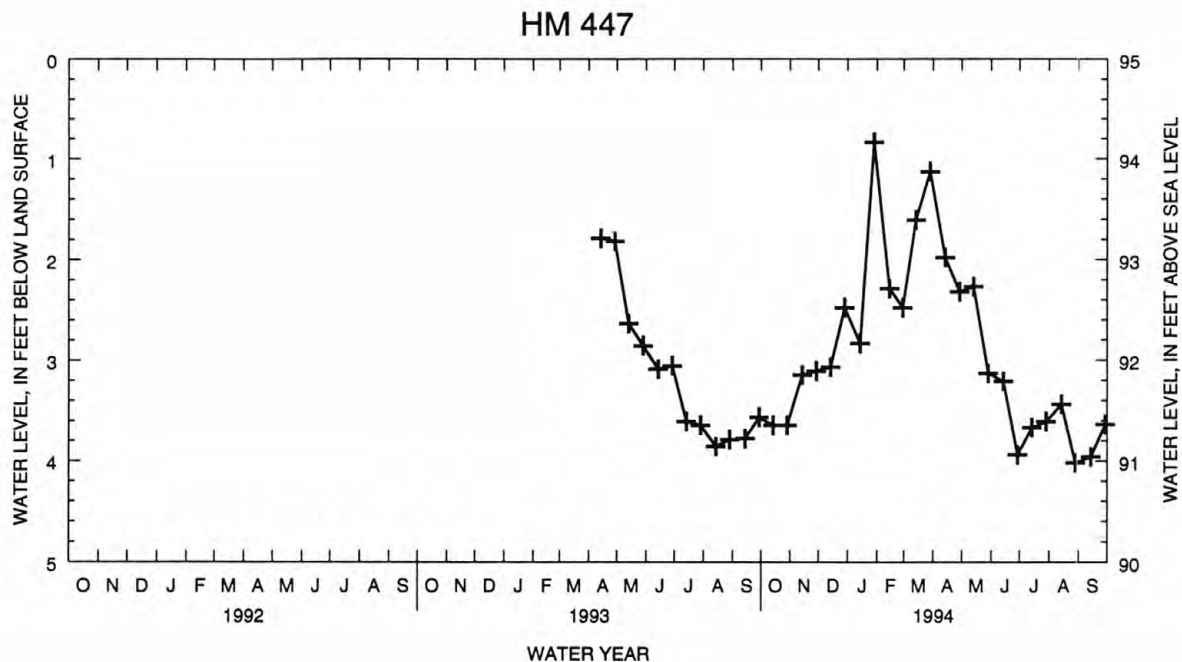
Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--Southern, deeper well of pair.

PERIOD OF RECORD.--January, 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, .84 ft below land-surface datum, January 29, 1994, lowest measured, 4.02 ft below land-surface datum, August 29, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994									
WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 14	3.65	DEC 29	2.48	MAR 14	1.61	MAY 29	3.13	AUG 14	3.44
29	3.65	JAN 14	2.84	29	1.13	JUN 14	3.21	29	4.02
NOV 14	3.15	29	.84	APR 14	1.98	29	3.94	SEP 14	3.96
29	3.11	FEB 14	2.29	29	2.32	JUL 14	3.67	29	3.64
DEC 14	3.07	28	2.48	MAY 14	2.27	29	3.61		
WATER YEAR 1994 HIGHEST .84 JAN 29, 1994 LOWEST 4.02 AUG 29, 1994									



GROUND-WATER LEVELS

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 Route 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.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 115 ft above sea level, from topographic map.

Measuring point: Top of casing, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--April, 1993 to current year.

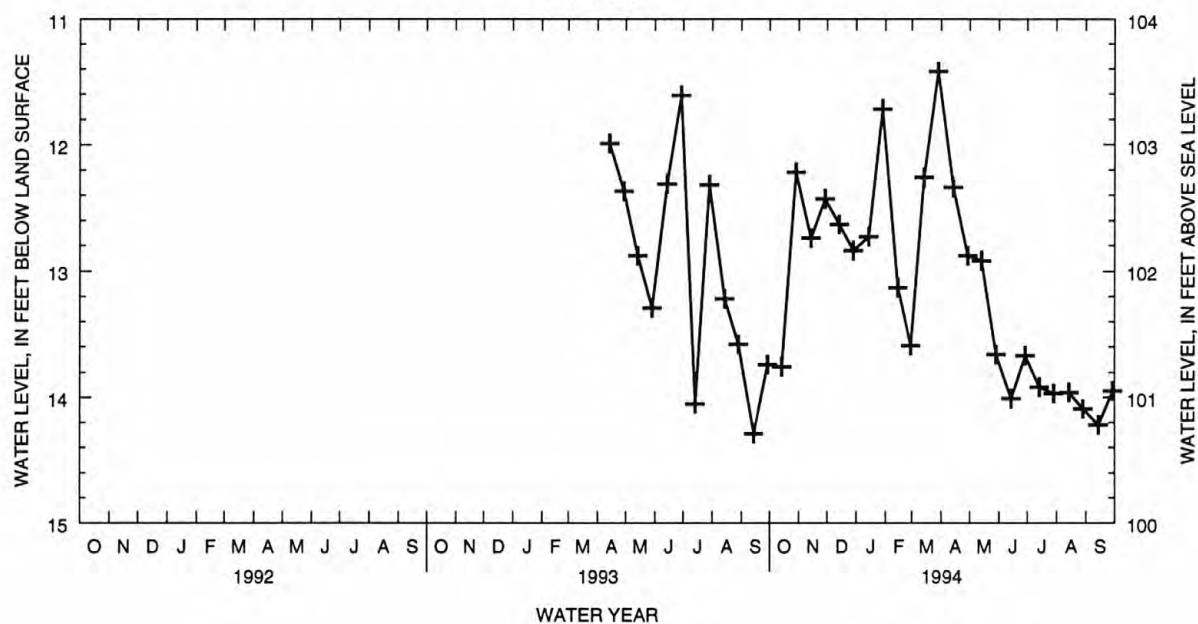
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.42 ft below land-surface datum, March 29, 1994, lowest measured, 14.29 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 14 13.76	DEC 29 12.84	MAR 14 12.26	MAY 29 13.66	AUG 14 13.96
29 12.22	JAN 14 12.73	29 11.42	JUN 14 14.01	29 14.09
NOV 14 12.74	29 11.72	APR 14 12.34	29 13.67	SEP 14 14.22
29 12.43	FEB 14 13.13	29 12.88	JUL 14 13.92	29 13.95
DEC 14 12.63	28 13.59	MAY 14 12.92	29 13.97	

WATER YEAR 1994 HIGHEST 11.42 MAR 29, 1994 LOWEST 14.22 SEP 14, 1994

HM 448



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--Measurements made biweekly with a chalked tape by paid observer.

DATUM--Elevation of land-surface datum is 235 ft above sea level, from topographic map.

Measuring point: Top of casing, 2.20 ft above land-surface datum.

REMARKS--Northern well of pair.

PERIOD OF RECORD--April, 1993 to current year.

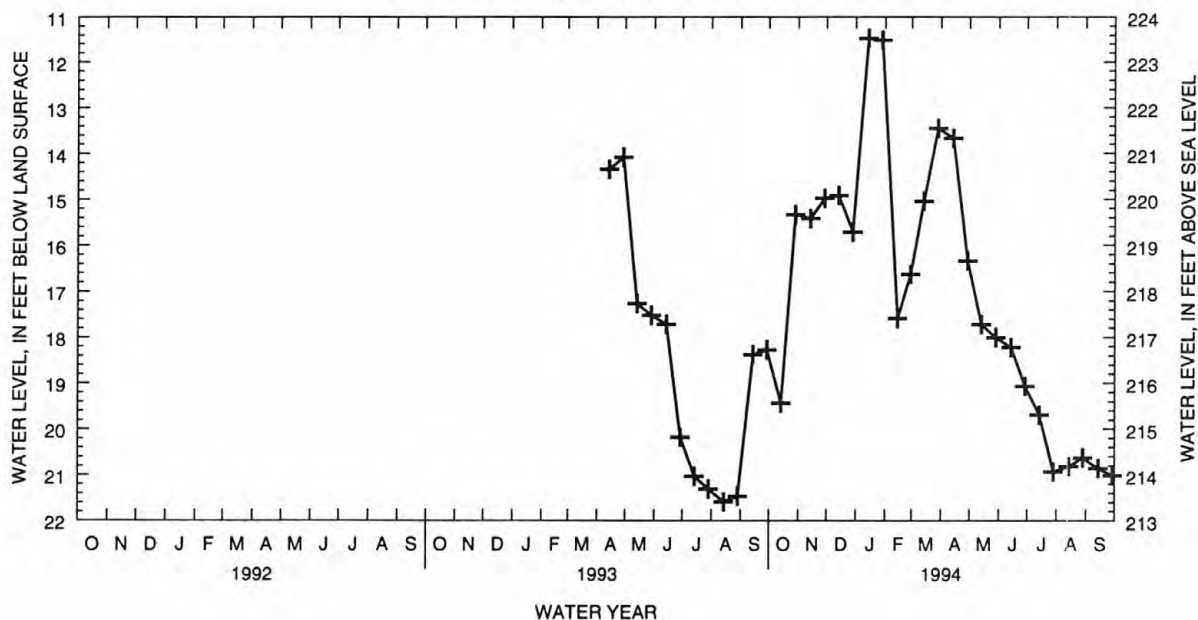
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 11.47 ft below land-surface datum, January 14, 1994; lowest measured, 21.59 ft below land-surface datum, August 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 14	19.44	DEC 29	15.72	MAR 14	15.05	MAY 29	18.01	AUG 14	20.82
29	15.34	JAN 14	11.47	29	13.45	JUN 14	18.22	29	20.63
NOV 14	15.42	29	11.51	APR 14	13.67	29	19.07	SEP 14	20.86
29	14.98	FEB 14	17.59	29	16.34	JUL 14	19.69	29	21.02
DEC 14	14.92	28	16.63	MAY 14	17.72	29	20.93		

WATER YEAR 1994 HIGHEST 11.47 JAN 14, 1994 LOWEST 21.02 SEP 29, 1994

HM 449



GROUND-WATER LEVELS

NEW HAVEN COUNTY--Continued

412417072541902. Local Number, HM 450.

LOCATION.--Lat 41°24'17", long 72°54'19", Hydrologic Unit 01100004, at Lockwood Farm, 600 ft south of Kenwood Ave and 600 ft west of Shepard Ave, on top of hill in Orchard, Hamden; Mount Carmel quadrangle.

Owner: Connecticut Agricultural Experiment Station.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 14 ft, PVC casing, screened from 9 to 14 ft.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by paid observer.

DATUM.--Elevation of land-surface datum is 235 ft above sea level, from topographic map.

Measuring point: Top of casing, 1.05 ft above land-surface datum.

REMARKS.--Southern well of pair.

PERIOD OF RECORD.--January, 1993 to current year.

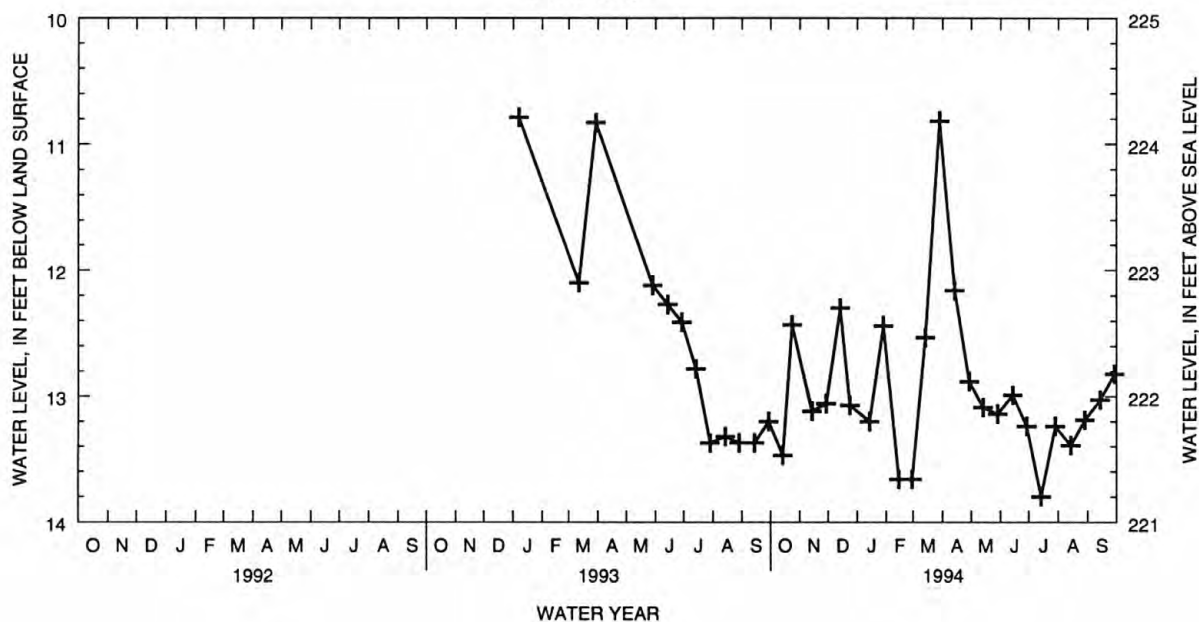
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.79 ft below land-surface datum, January 7, 1993; lowest measured, 13.80 ft below land-surface datum, July 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 14	13.47	DEC 24	13.07	MAR 14	12.53	MAY 29	13.14	AUG 14	13.39
24	12.43	JAN 14	13.20	29	10.82	JUN 14	12.99	29	13.19
NOV 14	13.12	29	12.44	APR 14	12.16	29	13.24	SEP 14	13.03
29	13.06	FEB 14	13.66	29	12.88	JUL 14	13.80	29	12.82
DEC 14	12.30	28	13.66	MAY 14	13.09	29	13.24		

WATER YEAR 1994 HIGHEST 10.82 MAR 29, 1994 LOWEST 13.80 JUL 14, 1994

HM 450



GROUND-WATER LEVELS

NEW HAVEN COUNTY--Continued

411723072344701. Local Number, MA 314.

LOCATION.--Lat 41°17'23", long 72°34'47", Hydrologic Unit 01100004, 10 ft north of fence and 20 ft west of willows in long grass between service area parking and fence line on south side of east bound service area of I-95, Madison; Clinton quadrangle.

Owner: Connecticut Department of Transportation.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 26.7 ft, PVC casing, screened 24.7 to 26.7 ft.

INSTRUMENTATION.--Prior to November 1990 measurements made monthly, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 45 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, at land-surface datum.

PERIOD OF RECORD.--March 1982 to current year.

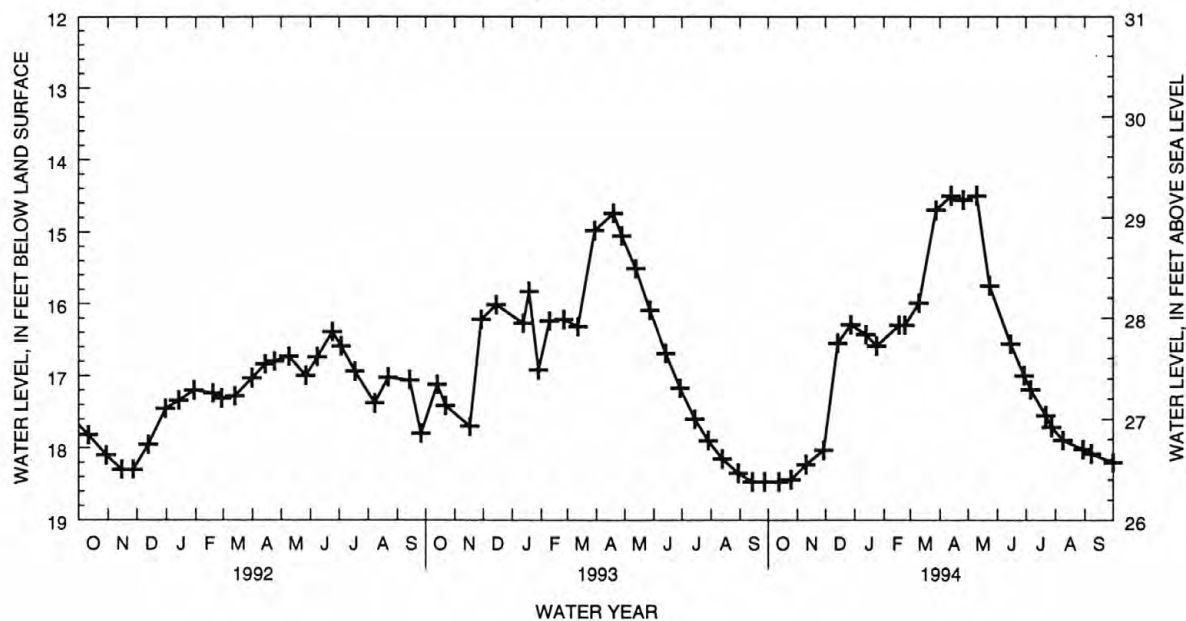
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.56 ft below land-surface datum, June 14, 1982; lowest measured, 18.84 ft below land-surface datum, November 30, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	18.47	DEC 28	16.29	MAR 10	15.99	MAY 24	15.75	JUL 28	17.71
25	18.44	JAN 13	16.43	28	14.70	JUN 15	16.56	AUG 09	17.89
NOV 10	18.23	24	16.59	APR 13	14.50	29	17.00	30	18.02
29	18.03	FEB 17	16.30	26	14.56	JUL 06	17.19	SEP 08	18.08
DEC 14	16.55	23	16.30	MAY 10	14.50	22	17.55		

WATER YEAR 1994 HIGHEST 14.50 APR 13, 1994 MAY 10, 1994 MAY 24, 1994 LOWEST 18.47 OCT 12, 1993

MA 314



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 Street, 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, since January 1991 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 35 ft above sea level, from topographic map.

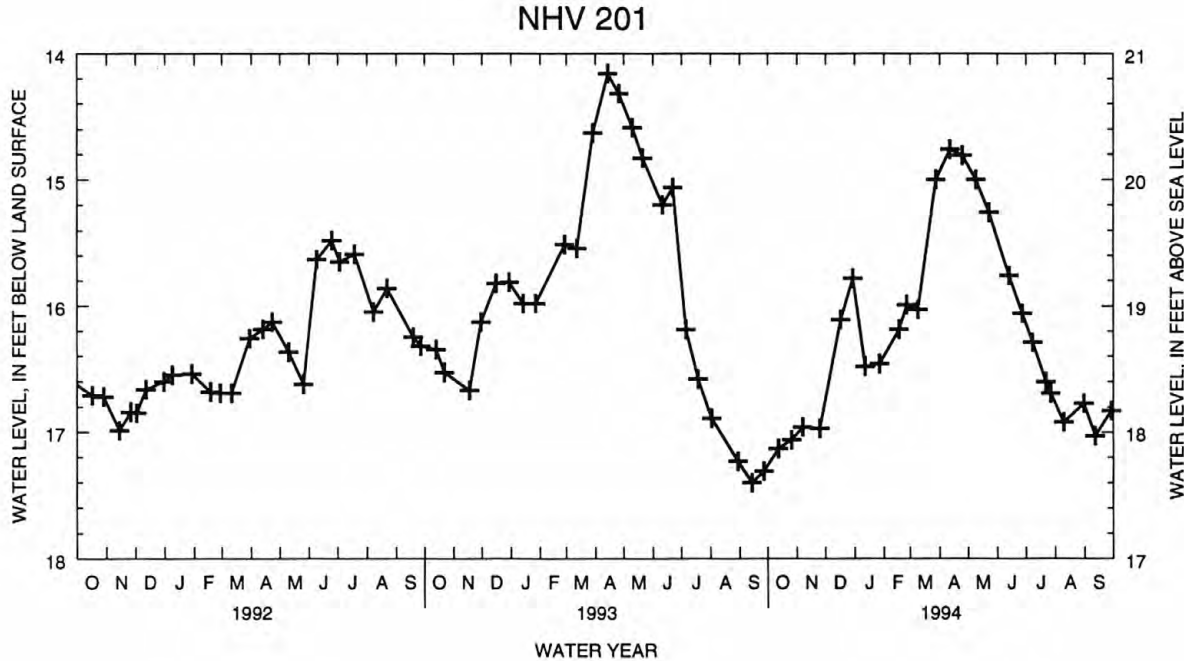
Measuring point: Top of plastic casing, 0.7 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.56 ft below land-surface datum, June 28, 1982; lowest measured, 18.71 ft below land-surface datum, November 5, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 12 17.13	DEC 30 15.78	MAR 09 16.03	MAY 23 15.26	JUL 27 16.69
26 17.06	JAN 12 16.48	28 15.00	JUN 13 15.76	AUG 10 16.92
NOV 07 16.96	27 16.46	APR 12 14.76	27 16.06	31 16.77
25 16.97	FEB 17 16.19	25 14.81	JUL 08 16.29	SEP 12 17.03
DEC 17 16.11	25 15.99	MAY 09 15.00	22 16.60	29 16.83
WATER YEAR 1994 HIGHEST 14.76 APR 12, 1994 LOWEST 17.13 OCT 12, 1993				



GROUND-WATER LEVELS

NEW HAVEN COUNTY--Continued

412550072510701. Local Number, NHV 202.

LOCATION.--Lat 41°25'50", long 72°51'07", Hydrologic Unit 01100004, about 50 ft east of east-bound land of Merritt Parkway, 3.2 mi north of North Haven service area at no parking sign, North Haven; Wallingford quadrangle.

Owner: State of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age (sand).

WELL CHARACTERISTICS.--Bored, unused, water-table well, diameter 2 in, depth 60.4 ft, plastic casing to 60 ft, screened 60 to 65 ft.

INSTRUMENTATION.--Prior to November 1990 measurements made monthly, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map.

Measuring point: Top of plastic casing, 2.7 ft above land-surface datum.

REMARKS.--Levels affected by pumping

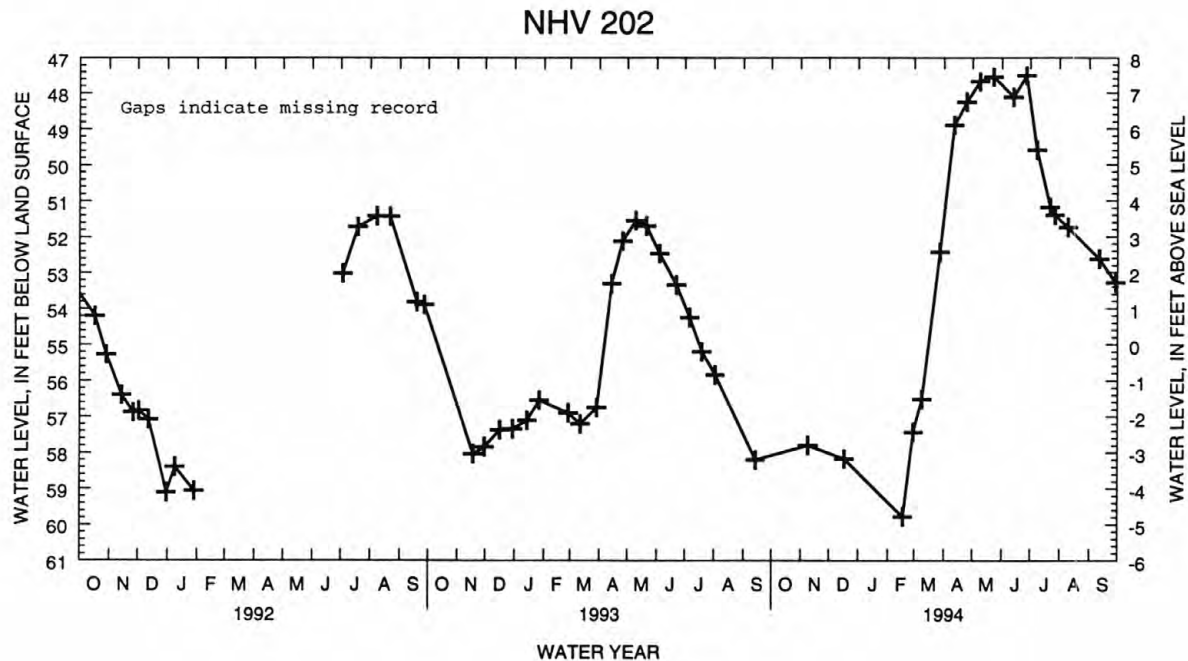
PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.07 ft below land-surface datum, April 25, 1983; lowest measured, dry (less than 60.4 ft) on September 28, October 29, November 25, and December 29, 1981; January 27, 1982; October 29, November 27, December 30, 1985; January 28, July 28, August 28, September 26, October 29, and November 25, 1986; June 28, July 27, August 26, and September 27, 1988; October 26, November 28, December 28, 1988; January 25, February 25, and March 27, 1989; February 18, 28, March 11, 30, April 13, 23, May 10, 26, June 9, 25, 1992, and September 27, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
NOV 09	57.80	MAR 09	56.52	MAY 09	47.68	JUL 08	49.59	SEP 12	52.62
DEC 17	58.17	28	52.43	23	47.55	22	51.17	29	53.28
FEB 17	59.78	APR 12	48.90	JUN 13	48.12	27	51.40		
28	57.43	25	48.26	27	47.51	AUG 10	51.74		

WATER YEAR 1994 HIGHEST 47.51 JUN 27, 1994 LOWEST 59.78 FEB 17, 1994



GROUND-WATER LEVELS

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 Rte 6 and Rte 67, 40 ft south of Rte 67, Southbury; Southbury quadrangle.
Owner: State of Connecticut.

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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 252 ft above sea level, from topographic map.

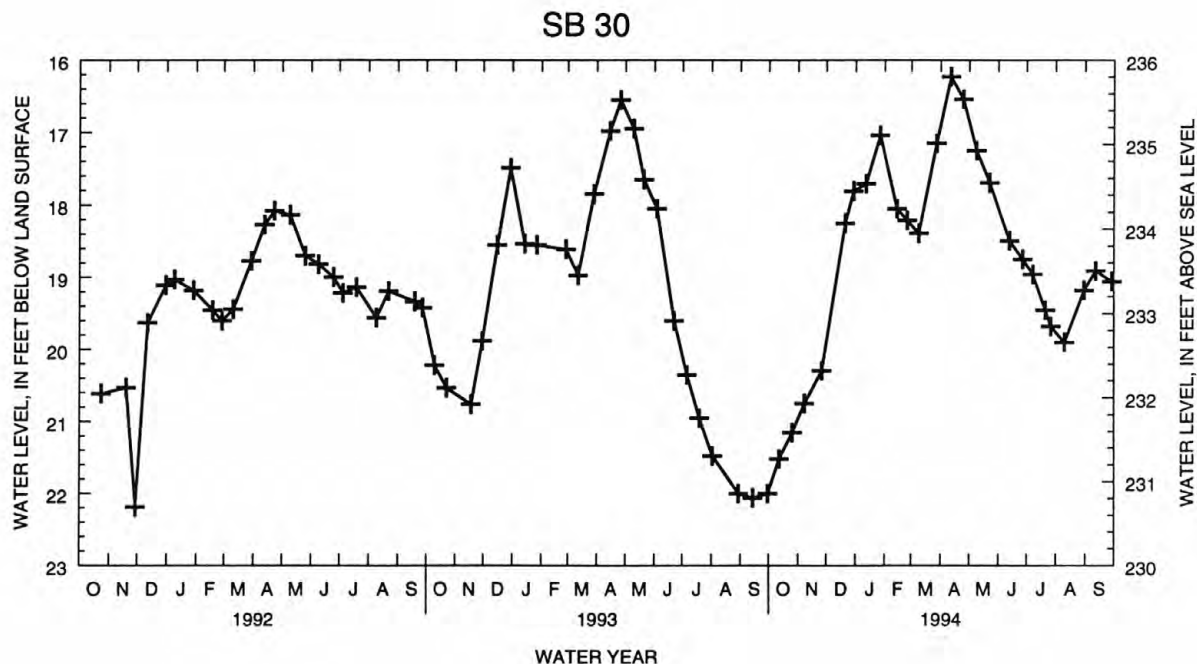
Measuring point: Top of casing, 2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.23 ft below land-surface datum, April 12, 1994;
lowest measured, 22.19 ft below land-surface datum, November 29, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 12 21.52	DEC 30 17.81	MAR 09 18.39	MAY 23 17.70	JUL 27 19.68
26 21.15	JAN 12 17.71	28 17.15	JUN 13 18.49	AUG 10 19.90
NOV 08 20.75	27 17.04	APR 12 16.23	27 18.75	31 19.18
26 20.29	FEB 14 18.05	25 16.54	JUL 08 18.96	SEP 12 18.91
DEC 21 18.25	25 18.21	MAY 09 17.25	21 19.45	29 19.06
WATER YEAR 1994	HIGHEST 16.23	APR 12, 1994	LOWEST 21.52	OCT 12, 1993



GROUND-WATER LEVELS

NEW HAVEN COUNTY--Continued

413002073131001. Local number, SB 39.

LOCATION.--Lat 41°30'02", long 73°13'10", Hydrologic Unit 01100005, in George Bennett Town Park, 20 ft north of parking area, behind fence, Southbury; Woodbury quadrangle.
Owner: Town of Southbury.

AQUIFER.--Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.--Augered, unused, water-table well, diameter 2 in, depth 26 ft, PVC casing, screened 21 to 26 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 185 ft above sea level, from topographic map.

Measuring point: Top of casing, 1.63 ft above land-surface datum.

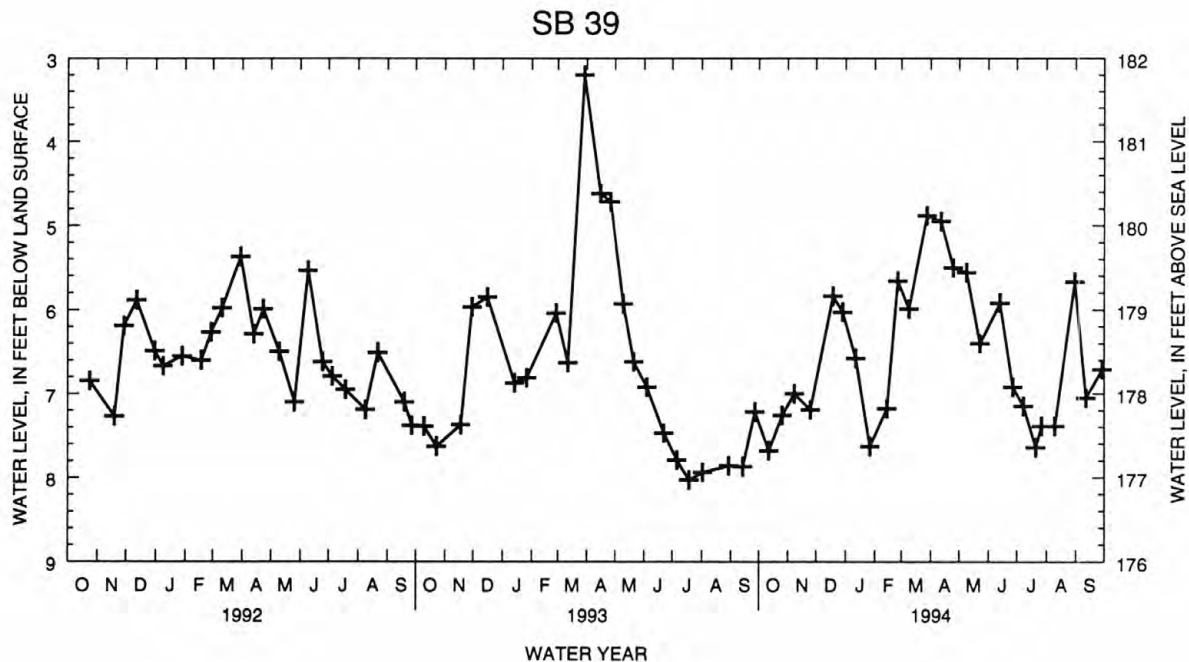
PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.20 ft below land-surface datum, March 29, 1993;
lowest measured, 8.03 ft below land-surface datum, July 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 12 7.68	DEC 29 6.03	MAR 09 5.99	MAY 23 6.40	JUL 27 7.39
26 7.26	JAN 12 6.58	28 4.88	JUN 13 5.92	AUG 10 7.39
NOV 08 7.00	27 7.63	APR 12 4.95	27 6.92	31 5.67
25 7.19	FEB 14 7.18	25 5.50	JUL 08 7.15	SEP 12 7.05
DEC 19 5.84	25 5.66	MAY 09 5.56	21 7.64	29 6.71

WATER YEAR 1994 HIGHEST 4.88 MAR 28, 1994 LOWEST 7.68 OCT 12, 1993



GROUND-WATER LEVELS

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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

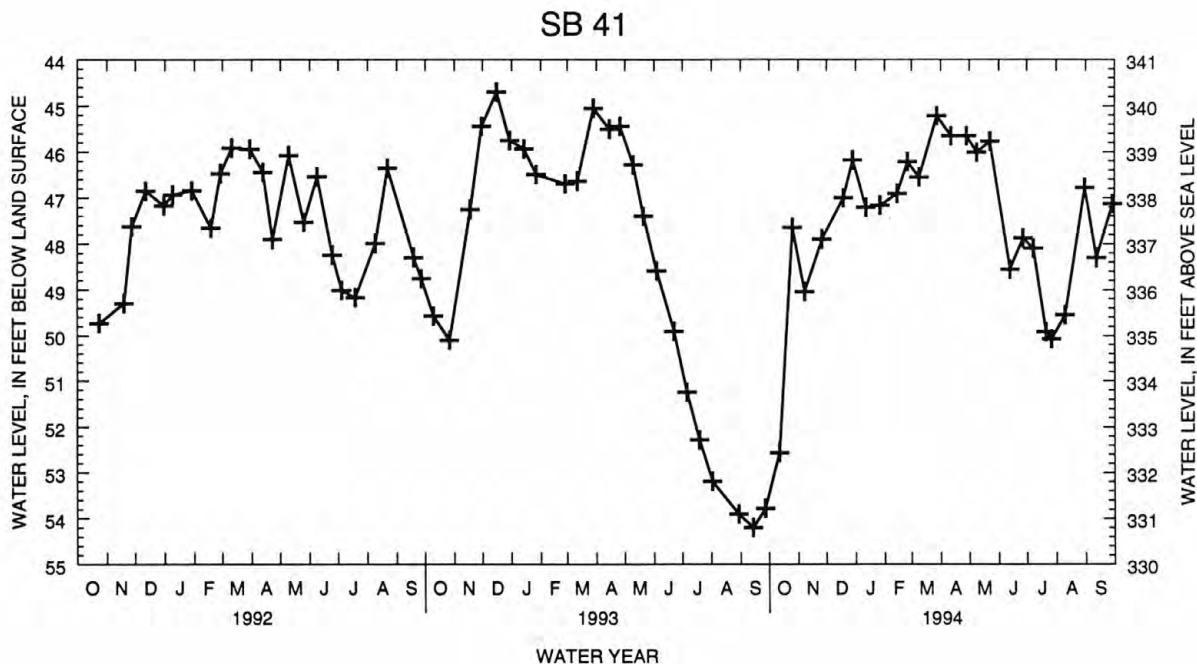
DATUM.--Elevation of land-surface datum is 385 ft above sea level, from topographic map. Measuring point: Top of casing, 2.35 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.70 ft below land-surface datum, December 16, 1992; lowest measured, 54.20 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 12	52.57	DEC 29	46.18	MAR 09	46.55	MAY 23	45.77	JUL 27	50.07
26	47.65	JAN 12	47.21	28	45.22	JUN 13	48.55	AUG 10	49.55
NOV 08	49.04	27	47.17	APR 12	45.65	27	47.88	31	46.78
26	47.90	FEB 14	46.91	28	45.65	JUL 08	48.10	SEP 12	48.30
DEC 19	47.00	25	46.22	MAY 09	46.01	21	49.92	29	47.13
WATER YEAR 1994 HIGHEST 45.22 MAR 28, 1994 LOWEST 52.57 OCT 12, 1993									



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 feet from end of cul de sac, Southbury; Southbury quadrangle.

Owner: Town of Southbury.

AQUIFER--Glacial till of Pleistocene age.

WELL CHARACTERISTICS--Augered, unused, water-table well, diameter 2 in, depth 82 ft, PVC casing, well screened 77 to 82.

INSTRUMENTATION--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM--Elevation of land-surface datum is 465 ft above sea level, from topographic map.

Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS--New well drilled, August 13, 1993.

PERIOD OF RECORD-- August 1993 to current year.

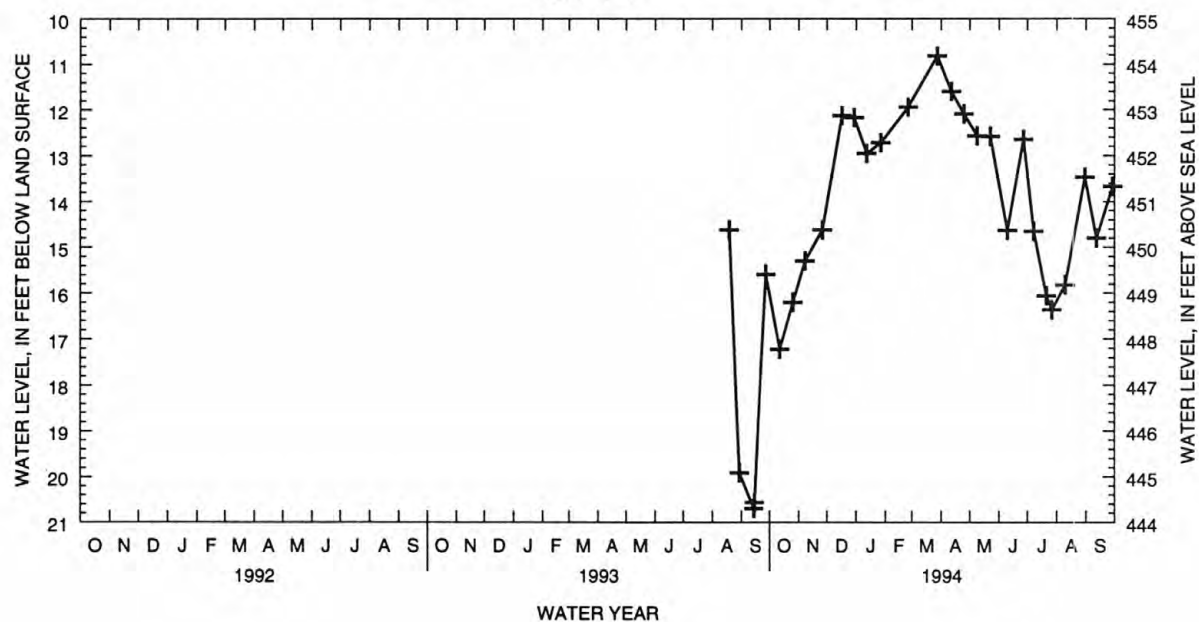
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 10.82 ft below land-surface datum, March 28, 1994; lowest measured, 20.70 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	17.22	DEC 30	12.17	APR 12	11.60	JUN 27	12.65	AUG 31	13.47
26	16.20	JAN 12	12.95	25	12.09	JUL 08	14.65	SEP 12	14.80
NOV 08	15.30	27	12.72	MAY 09	12.57	21	16.06	29	13.67
26	14.62	FEB 25	11.94	23	12.58	27	16.36		
DEC 17	12.13	MAR 28	10.82	JUN 10	14.63	AUG 10	15.82		

WATER YEAR 1994 HIGHEST 10.82 MAR 28, 1994 LOWEST 17.22 OCT 12, 1993

SB 42



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 Hill Road, Waterbury; Waterbury quadrangle.

Owner: Mrs. Simeon W. Nichols.

AQUIFER.--Stratified drift of Pleistocene age (gravel).

WELL CHARACTERISTICS.--Dug, unused, water-table well, diameter 32 in, depth 33 ft, stone-lined.

INSTRUMENTATION.--Prior to November 1990 measurements made monthly, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 320 ft above sea level, from topographic map.

Measuring point: Bottom edge of flagstone, northwest corner of well, at land-surface datum.

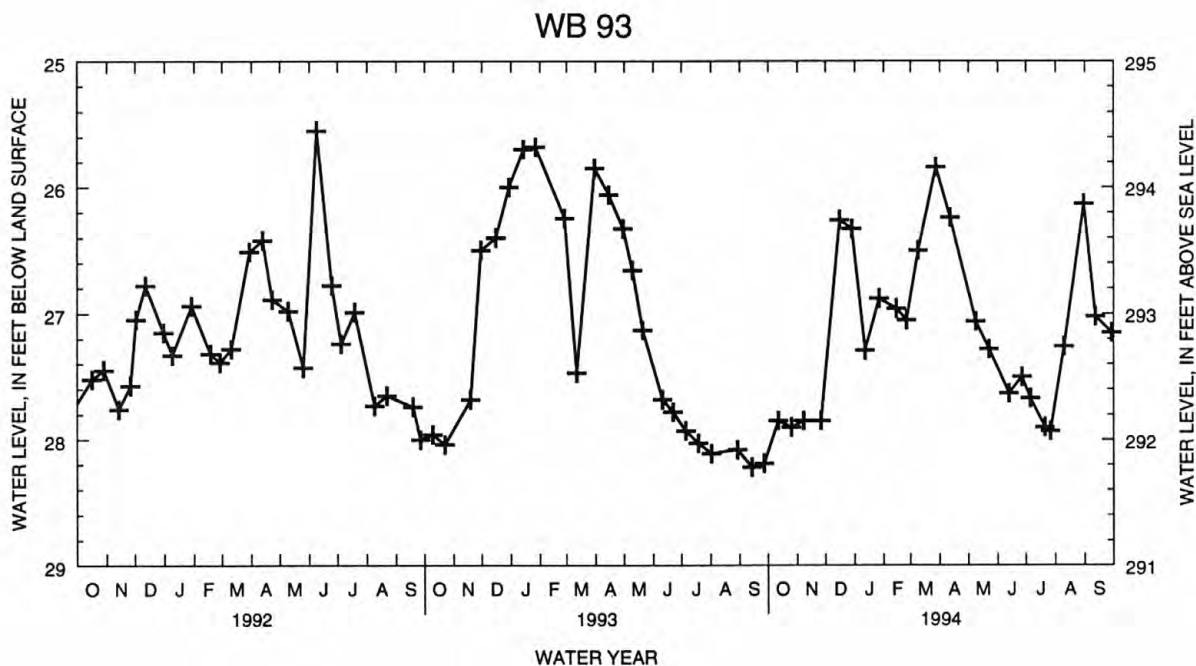
PERIOD OF RECORD.--February 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.82 ft below land-surface datum, June 4, 1984; lowest measured, 29.90 ft below land-surface datum, July 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 12 27.85	DEC 29 26.33	MAR 09 26.50	JUN 13 27.63	JUL 27 27.93
26 27.90	JAN 12 27.29	28 25.84	27 27.50	AUG 10 27.26
NOV 08 27.85	27 26.88	APR 12 26.24	JUL 06 27.67	31 26.13
26 27.85	FEB 14 26.96	MAY 09 27.06	21 29.90	SEP 12 27.02
DEC 16 26.26	25 27.05	23 27.28	21 27.90	29 27.15

WATER YEAR 1994 HIGHEST 25.84 MAR 28, 1994 LOWEST 29.90 JUL 21, 1994



GROUND-WATER LEVELS

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 Road, 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, since December 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 540 ft above sea level, from topographic map.

Measuring point: Top of flagstone curb, at southeast corner, at land-surface datum.

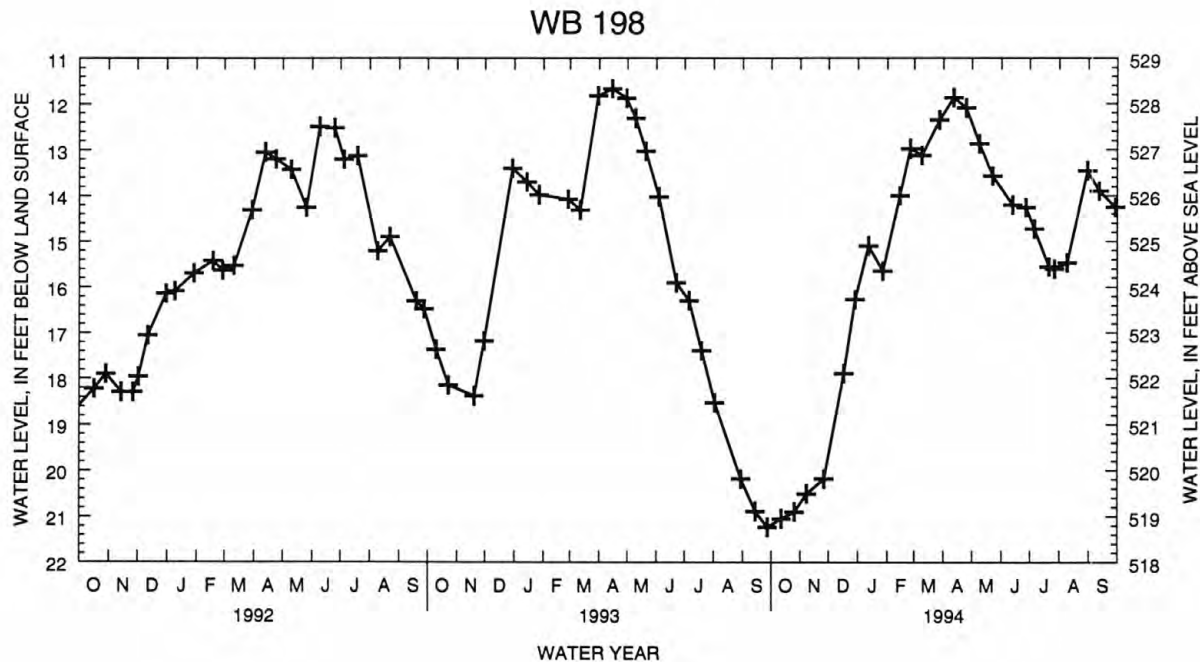
PERIOD OF RECORD.--February 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft below land-surface datum, January 10, 1946; lowest measured, 21.76 ft below land-surface datum, October 26, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 12 21.05	DEC 29 16.27	MAR 09 13.12	MAY 23 13.57	JUL 27 15.60
26 20.90	JAN 12 15.10	28 12.36	JUN 13 14.20	AUG 09 15.47
NOV 08 20.51	27 15.65	APR 12 11.87	27 14.26	31 13.46
26 20.18	FEB 14 14.00	25 12.10	JUL 06 14.73	SEP 12 13.90
DEC 17 17.89	25 12.98	MAY 09 12.87	21 15.56	29 14.25

WATER YEAR 1994 HIGHEST 11.87 APR 12, 1994 LOWEST 21.05 OCT 12, 1993



GROUND-WATER LEVELS

NEW LONDON COUNTY

413457072252201. Local Number, CO 335.

LOCATION.--Lat 41°34'57", long 72°25'22", Hydrologic Unit 01080205, about 80 ft east of Blackledge River and about 600 ft south of River Road, 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 ft, PVC casing, screened 27 to 29 ft.

INSTRUMENTATION.--Measurements made monthly with a chalked tape by U.S.G.S personnel.

DATUM.--Elevation of land-surface datum is 145 ft above sea level, from topographic map.

Measuring point: Top of steel protective casing 0.2 ft above land-surface datum.

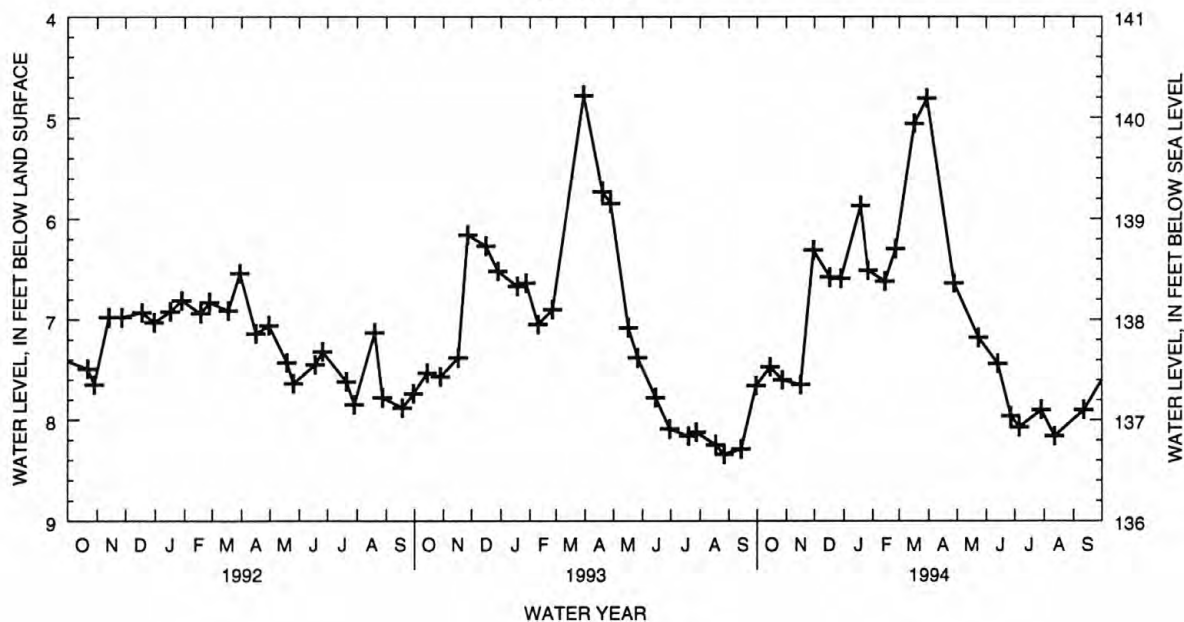
PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.66 ft below land-surface datum, January 30, 1990; lowest measured, 8.52 ft below land-surface datum, September 24, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	7.47	DEC 17	6.58	FEB 14	6.62	APR 28	6.64	JUL 06	8.07
28	7.60	29	6.59	25	6.30	MAY 24	7.18	29	7.90
NOV 16	7.65	JAN 19	5.87	MAR 17	5.06	JUN 13	7.44	AUG 12	8.16
30	6.31	27	6.51	30	4.81	27	7.96	SEP 12	7.90
WATER YEAR 1994		HIGHEST	4.81	MAR 30, 1994	LOWEST	8.16	AUG 12, 1994		

CO 335



GROUND-WATER LEVELS

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 Avenue (High Rock Road) with Thomas Road and Tower Road, 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, stone-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.--June 1958 to current year.

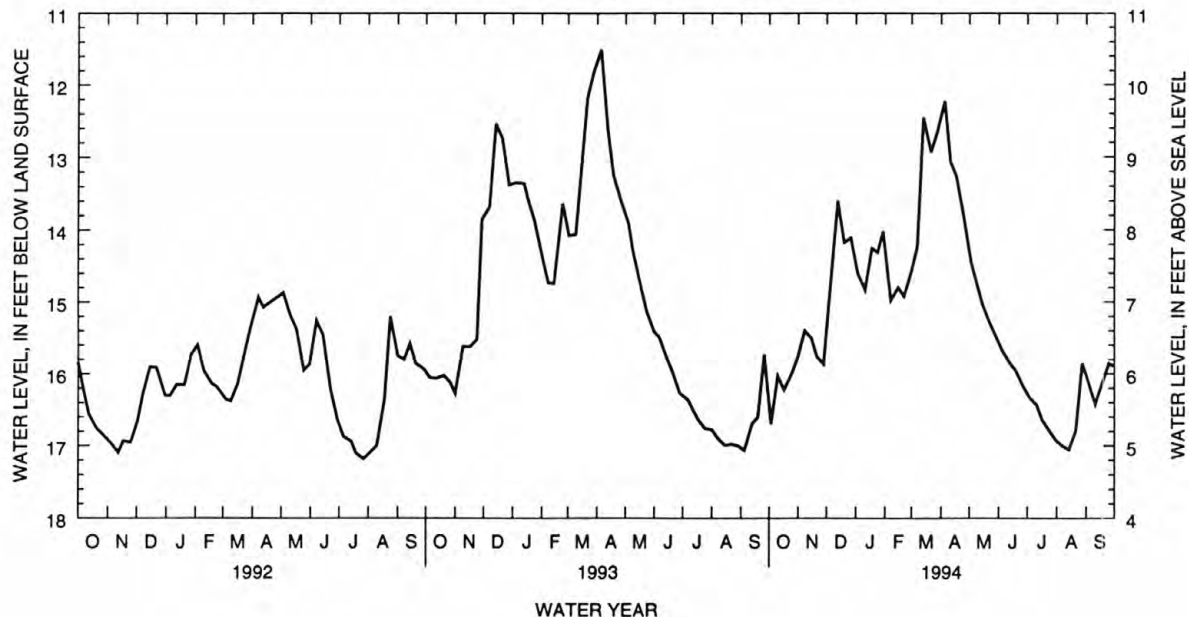
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.35 ft below land-surface datum, June 7, 1982; lowest measured, 17.97 ft below land-surface datum, October 6, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 03	16.69	DEC 20	14.17	MAR 01	14.57	MAY 10	14.80	JUL 24	16.78
10	16.03	27	14.11	07	14.23	15	15.03	31	16.92
17	16.22	JAN 03	14.60	13	12.46	22	15.27	AUG 07	17.00
25	16.00	11	14.83	21	12.93	JUN 05	15.68	14	17.05
NOV 01	15.76	18	14.26	28	12.64	13	15.85	21	16.79
08	15.40	24	14.31	APR 05	12.23	19	15.95	28	15.85
15	15.50	30	14.02	11	13.07	26	16.15	SEP 04	16.14
21	15.76	FEB 07	14.98	17	13.26	JUL 03	16.32	11	16.42
28	15.86	15	14.80	25	13.80	11	16.43	25	15.85
DEC 13	13.60	21	14.92	MAY 03	14.45	17	16.64		

WATER YEAR 1994 HIGHEST 12.23 APR 05, 1994 LOWEST 17.05 AUG 14, 1994

GT 19



GROUND-WATER LEVELS

NEW LONDON COUNTY--Continued

412931071514201. Local number, NSN 77.

LOCATION.--Lat 41°29'31", long 71°51'42", Hydrologic Unit 01090005, about 30 ft north of Wyassup Lake Road, 0.1 miles 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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 520 ft above sea level, from topographic map.

Measuring point: Top of casing, 2.00 ft above land-surface datum.

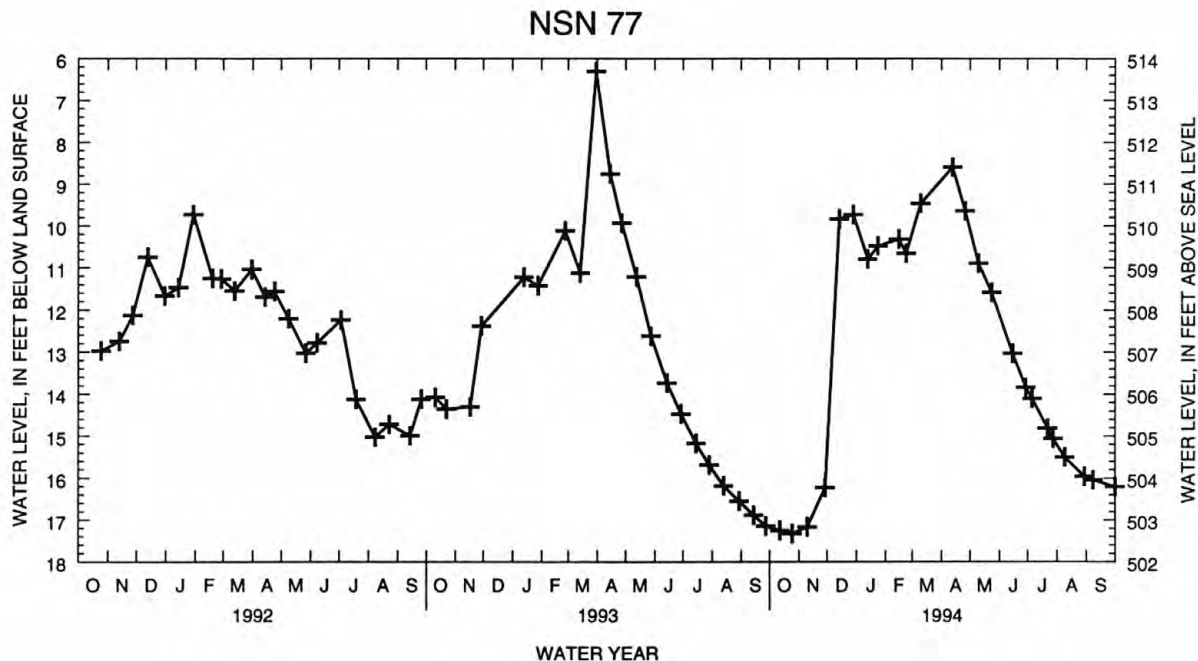
PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.30 ft below land-surface datum, March 31, 1993; lowest measured, 17.33 ft below land-surface datum, October 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	17.25	DEC 29	9.73	MAR 10	9.47	JUN 15	13.03	AUG 09	15.50
25	17.33	JAN 13	10.79	APR 13	8.60	29	13.83	30	15.96
NOV 10	17.17	24	10.48	26	9.64	JUL 06	14.10	SEP 08	16.04
29	16.22	FEB 15	10.32	MAY 10	10.89	22	14.81		
DEC 14	9.84	23	10.66	24	11.58	28	15.06		

WATER YEAR 1994 HIGHEST 8.60 APR 13, 1994 LOWEST 17.33 OCT 25, 1993



GROUND-WATER LEVELS

NEW LONDON COUNTY--Continued

412746071510601. Local number, NSN 78.

LOCATION.--Lat 41°27'46", long 71°51'06", Hydrologic Unit 01090005, 5 ft north of Wyassup Lake Road, 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.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 325 ft above sea level, from topographic map.

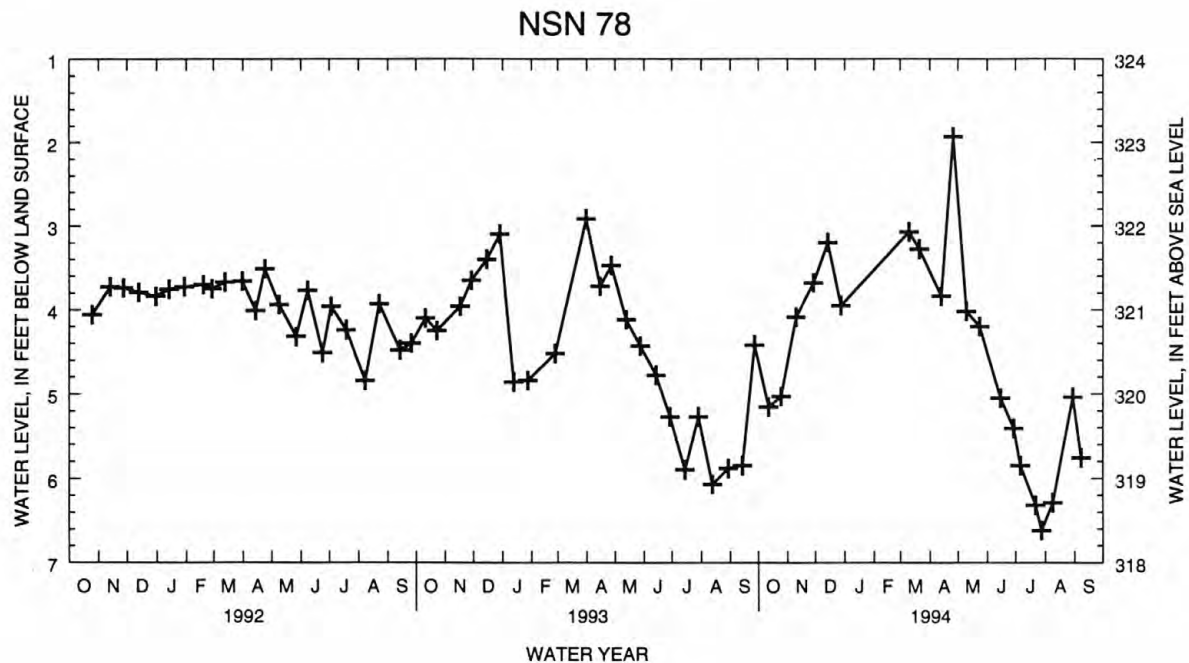
Measuring point: Top of casing, 0.70 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.93 ft below land-surface datum, April 26, 1994; lowest measured, 6.62 ft below land-surface datum, July 28, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	5.15	DEC 14	3.20	APR 13	3.84	JUN 15	5.05	JUL 28	6.62
25	5.03	28	3.95	26	1.93	29	5.41	AUG 09	6.29
NOV 10	4.09	MAR 10	3.07	MAY 10	4.02	JUL 06	5.85	30	5.04
29	3.68	21	3.28	24	4.20	22	6.32	SEP 08	5.76
WATER YEAR 1994		HIGHEST	1.93	APR 26, 1994	LOWEST	6.62	JUL 28, 1994		



GROUND-WATER LEVELS

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 Route 11 northbound lane, 0.9 mi north of junction with Route 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, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 238 ft above sea level, from topographic map.

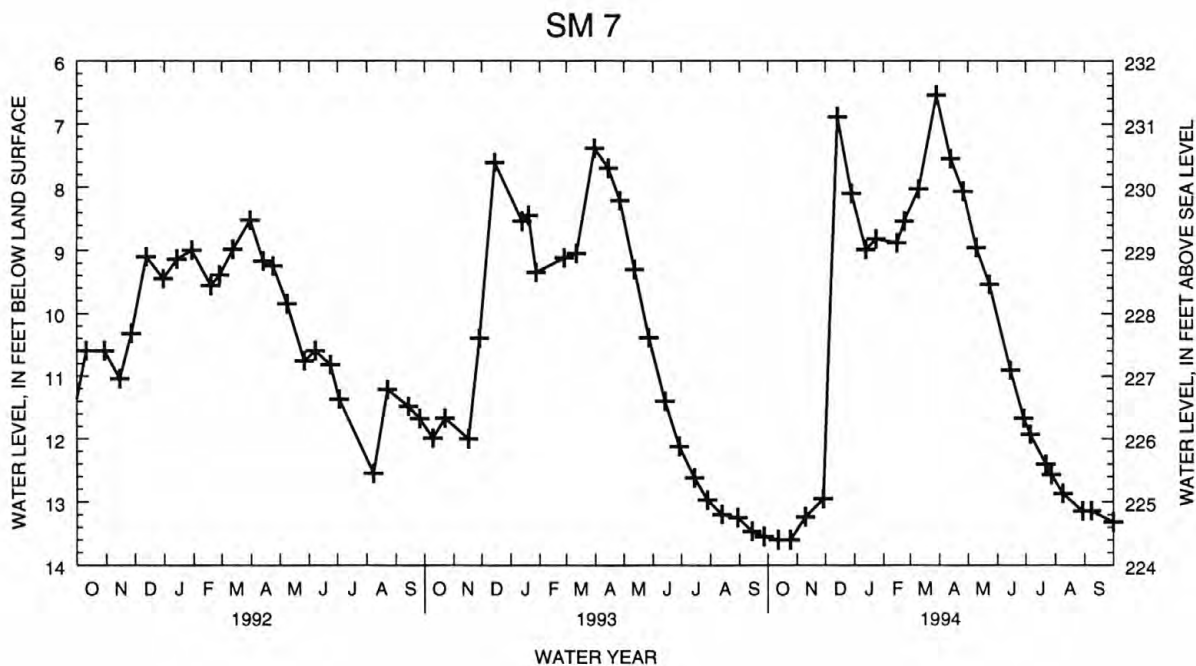
Measuring point: Top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.88 ft below land-surface datum, April 26, 1983; lowest measured, 13.76 ft below land-surface datum, October 30, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 12	13.60	DEC 29	8.10	MAR 10	8.03	MAY 24	9.54	JUL 28	12.57
25	13.60	JAN 13	8.99	29	6.55	JUN 15	10.90	AUG 09	12.87
NOV 10	13.24	24	8.82	APR 13	7.55	29	11.67	30	13.15
29	12.95	FEB 15	8.88	26	8.07	JUL 06	11.93	SEP 08	13.14
DEC 14	6.89	23	8.54	MAY 10	8.96	22	12.40		
WATER YEAR 1994		HIGHEST	6.55	MAR 29, 1994	LOWEST	13.60	OCT 12, 1993	OCT 25, 1993	



GROUND-WATER LEVELS

TOLLAND COUNTY

414833072190301. Local Number, CV 51.

LOCATION.--Lat 41°48'33", long 72°19'03", Hydrologic Unit 01100002, Southeast corner of hay field
165 feet east of Brigham Tavern Road, 3600 feet north of route 44, Coventry; Coventry quadrangle.
Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 37 ft, PVC casing,
slotted 35.5 to 37 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel

DATUM.--Elevation of land-surface datum is 295 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 1.23 ft above land-surface datum.

PERIOD OF RECORD.--December, 1992 to current year.

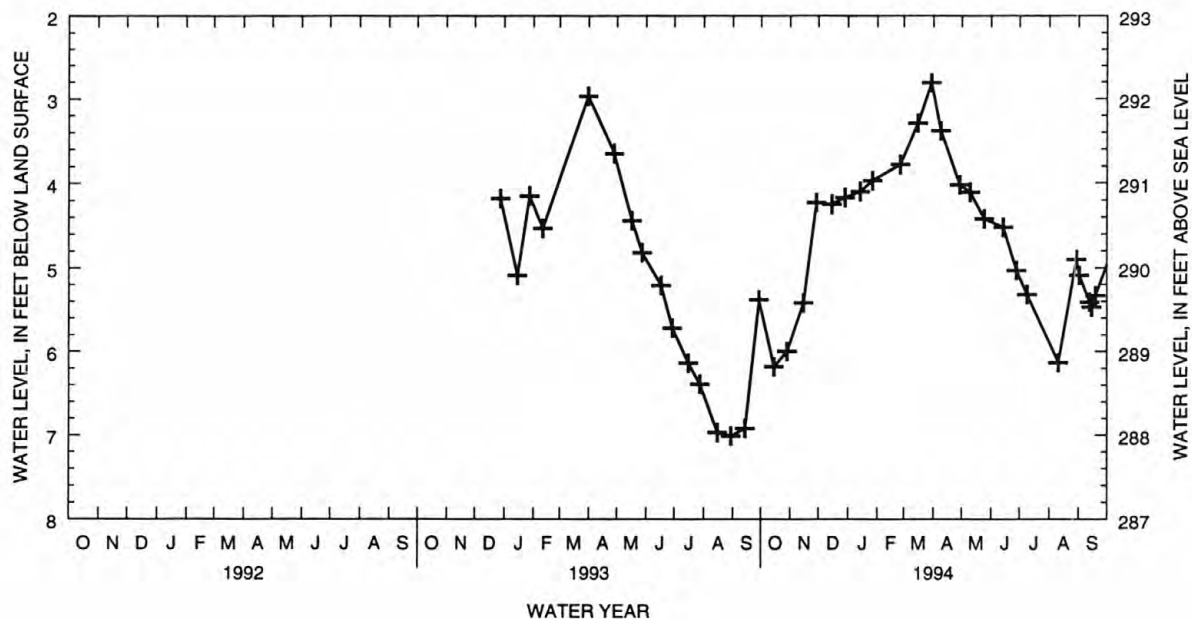
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.81 ft below land-surface datum, March 30, 1994;
lowest measured, 7.01 ft below land-surface datum, August 30, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	6.18	DEC 29	4.17	MAR 30	2.81	JUN 14	4.52	SEP 02	5.09
29	6.00	JAN 14	4.10	APR 09	3.38	28	5.03	13	5.41
NOV 15	5.42	27	3.97	29	4.02	JUL 09	5.32	15	5.47
29	4.23	FEB 25	3.78	MAY 10	4.11	AUG 11	6.13	19	5.33
DEC 15	4.25	MAR 16	3.29	25	4.42	30	4.90		

WATER YEAR 1994 HIGHEST 2.81 MAR 30, 1994 LOWEST 6.18 OCT 15, 1993

CV 51



GROUND-WATER LEVELS

TOLLAND COUNTY--Continued

415458072291901. Local Number, EL 82.

LOCATION.--Lat 41°54'58", long 72°29'19", Hydrologic Unit 01080205, in Town park, 1,000 ft north of State Route 140 and 1,000 ft west of Hatheway Road, 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.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 193 ft above sea level, from topographic map.

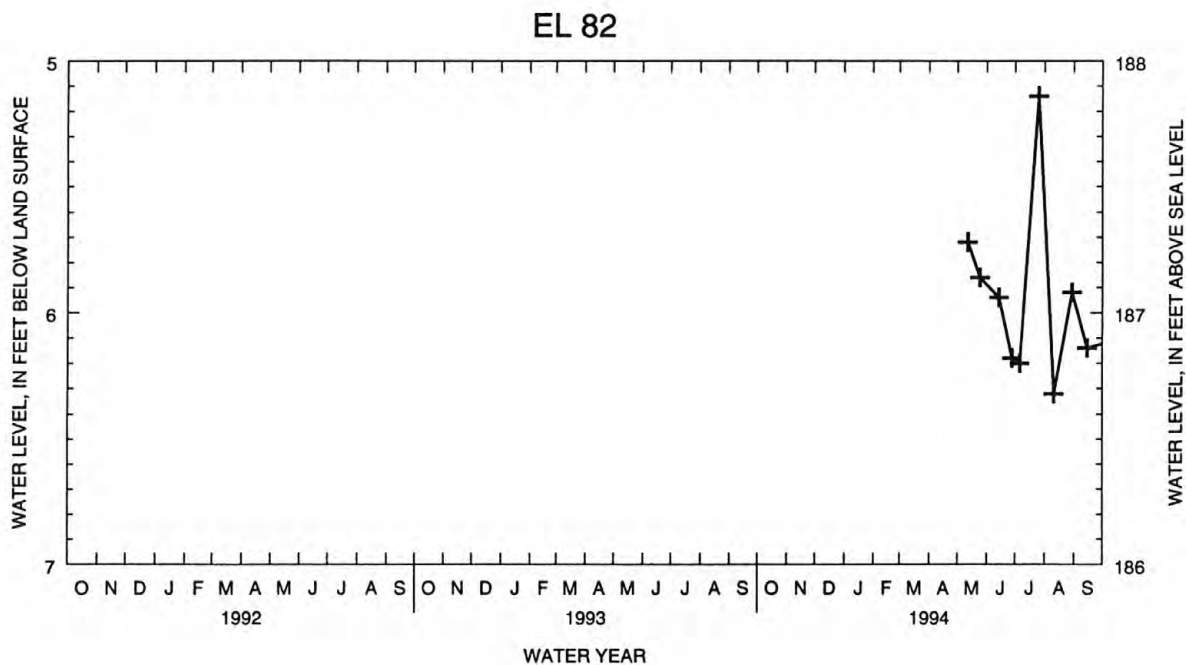
Measuring point: Top of steel casing 2.53 ft above land-surface datum.

PERIOD OF RECORD.--May 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft below land-surface datum, July 26, 1994;
lowest measured, 6.32 ft below land-surface datum, August 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
MAY 12	5.72	JUN 14	5.94	JUL 06	6.20	AUG 11	6.32	SEP 15	6.14
25	5.86	28	6.18	26	5.14	30	5.92		
WATER YEAR 1994		HIGHEST	5.14	JUL 26, 1994	LOWEST	6.32	AUG 11, 1994		



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 Road 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.

INSTRUMENTATION.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 436 ft above sea level, from topographic map.

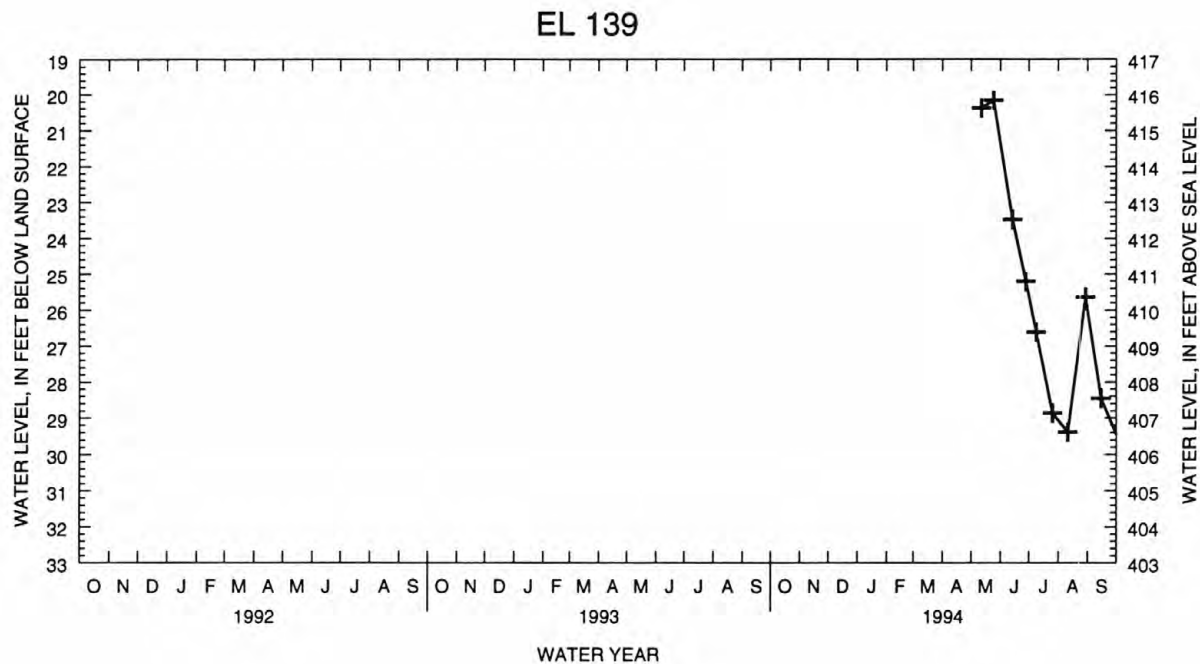
Measuring point: Top of steel casing 1.56 ft above land-surface datum.

PERIOD OF RECORD.--May 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.17 ft below land-surface datum, May 25, 1994; lowest measured, 29.39 ft below land-surface datum, August 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
MAY 12	20.38	JUN 14	23.48	JUL 09	26.61	AUG 11	29.39	SEP 15	28.46
25	20.17	28	25.20	26	28.87	30	25.64		
WATER YEAR 1994		HIGHEST	20.17	MAY 25, 1994	LOWEST	29.39	AUG 11, 1994		



GROUND-WATER LEVELS

TOLLAND COUNTY--Continued

415312072280201. Local Number, EL 140.

LOCATION.--Lat 41°53'12", long 72°28'02", Hydrologic Unit 01080205, Metcalf nature trail, 10' north of Cedarwood Drive 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.--Measurements made biweekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 380 ft above sea level, from topographic map.

Measuring point: Top of steel casing 2.36 ft above land-surface datum.

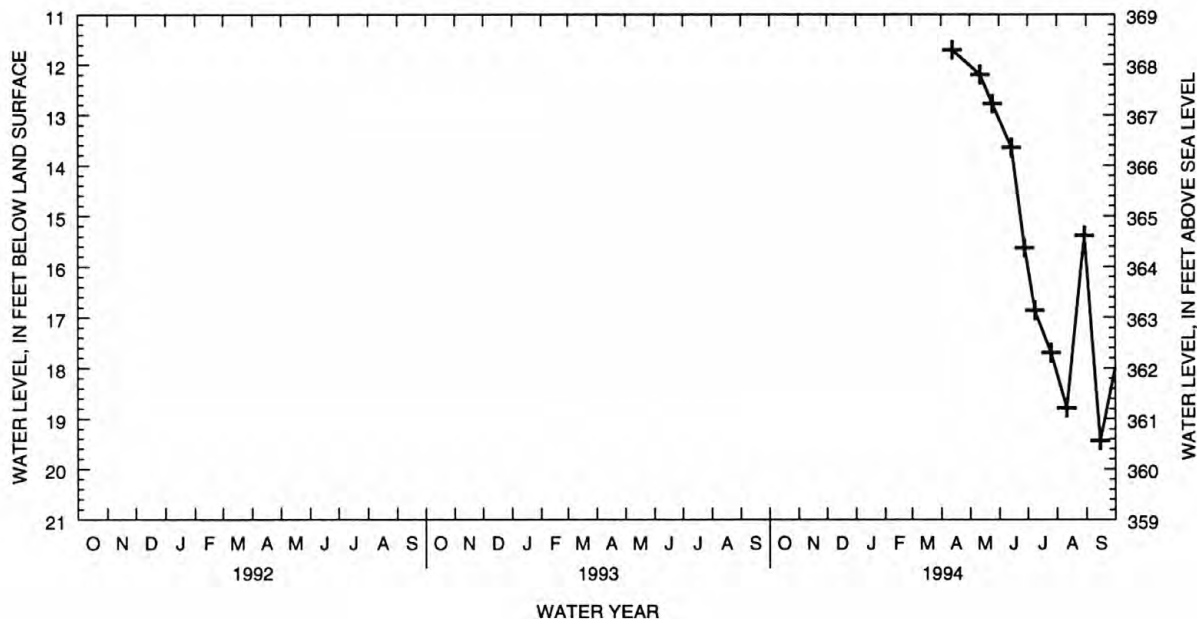
PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.71 ft below land-surface datum, April 13, 1994; lowest measured, 19.44 ft below land-surface datum, September 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
APR 13	11.71	MAY 25	12.78	JUN 28	15.63	JUL 26	17.71	AUG 30	15.39
MAY 12	12.20	JUN 14	13.65	JUL 09	16.87	AUG 11	18.79	SEP 15	19.44
WATER YEAR 1994		HIGHEST	11.71	APR 13, 1994	LOWEST	19.44	SEP 15, 1994		

EL 140



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

Route 195 and 225 ft north of Cemetery Road, 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 22 ft, concrete tile.

INSTRUMENTATION.--Prior to July 1984 measurements made monthly, since July 1984 measurements made weekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 260 ft above sea level, from topographic map.

Measuring point: Top of tile at land-surface datum.

PERIOD OF RECORD.--May 1958 to current year.

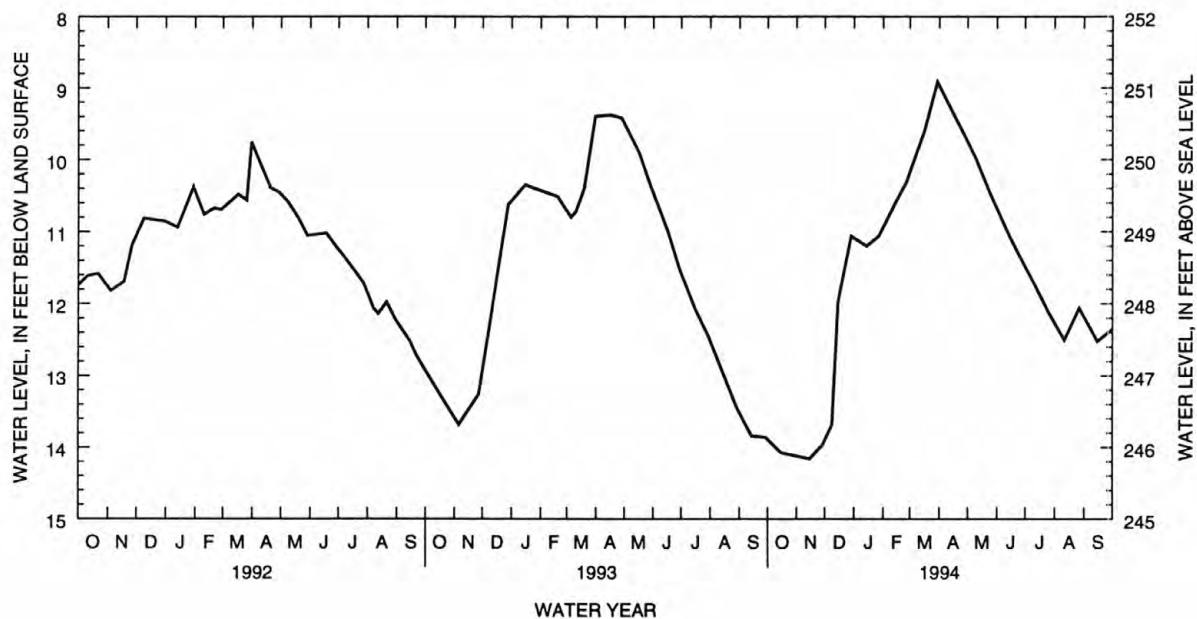
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.85 ft below land-surface datum, April 26, 1983;
lowest measured, 15.72 ft below land-surface datum, January 26, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 15	14.07	DEC 15	11.98	FEB 25	10.32	MAY 25	10.47	AUG 11	12.50
29	14.11	29	11.06	MAR 16	9.61	JUN 14	11.05	27	12.06
NOV 15	14.16	JAN 14	11.20	30	8.92	28	11.41	SEP 15	12.52
29	13.96	27	11.06	APR 29	9.70	JUL 09	11.68		
DEC 09	13.68	FEB 15	10.56	MAY 10	9.99	25	12.11		

WATER YEAR 1994 HIGHEST 8.92 MAR 30, 1994 LOWEST 14.16 NOV 15, 1993

MS 19



GROUND-WATER LEVELS

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.

Owner: University of Connecticut.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 22 ft, PVC casing, slotted 20 to 22 ft.

INSTRUMENTATION.--Prior to May 1984 measurements made monthly, since May 1984 measurements made weekly with a chalked tape by U.S.G.S. personnel.

DATUM.--Elevation of land-surface datum is 654 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 1.20 ft above land-surface datum.

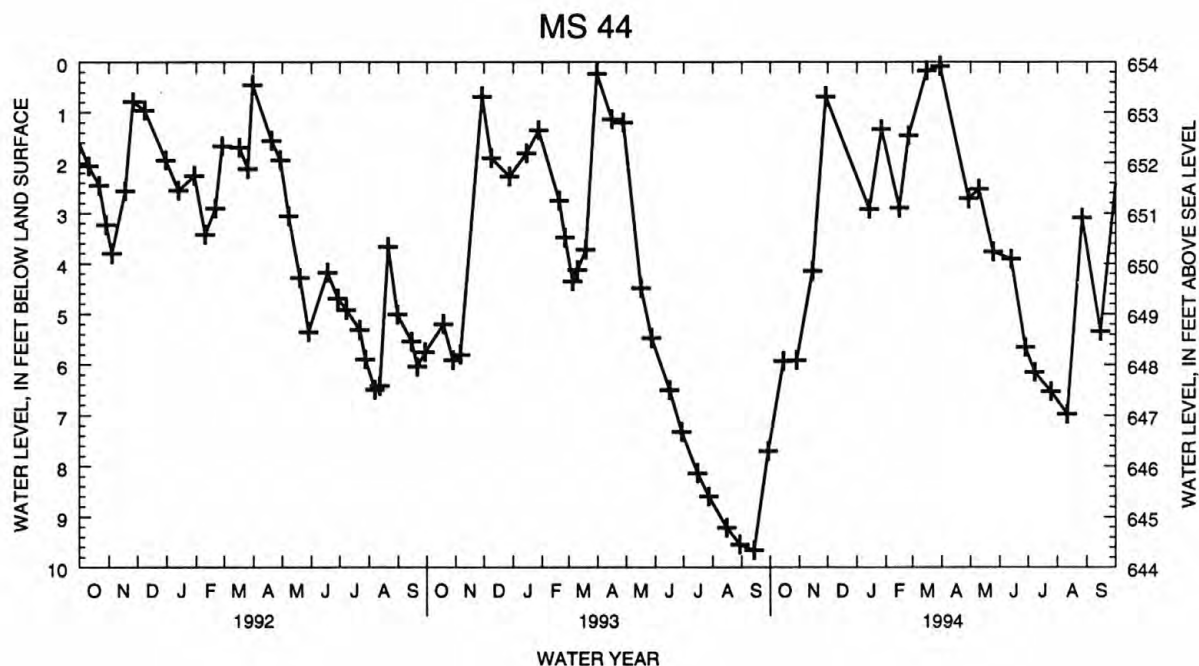
PERIOD OF RECORD.--June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.08 ft below land-surface datum, March 30, 1994; lowest measured, 9.78 ft below land-surface datum, September 29, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 5.93	MAR 16 .17	MAY 25 3.76	JUL 25 6.53	
29 5.91	30 .08	JUN 13 3.90	AUG 11 6.97	
NOV 15 4.14	APR 29 2.71	28 5.65	27 3.09	
29 .68	MAY 10 2.52	JUL 08 6.15	SEP 15 5.34	

WATER YEAR 1994 HIGHEST .08 MAR 30, 1994 LOWEST 6.97 AUG 11, 1994



GROUND-WATER LEVELS

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 Rte. 32, 2,500 ft north of Rte. 44, 100' east of Willimantic River, Mansfield; Coventry quadrangle. Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 18.4 ft, PVC casing, slotted 13.4 to 18.4 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. 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.--January 1993 to September, 1993.

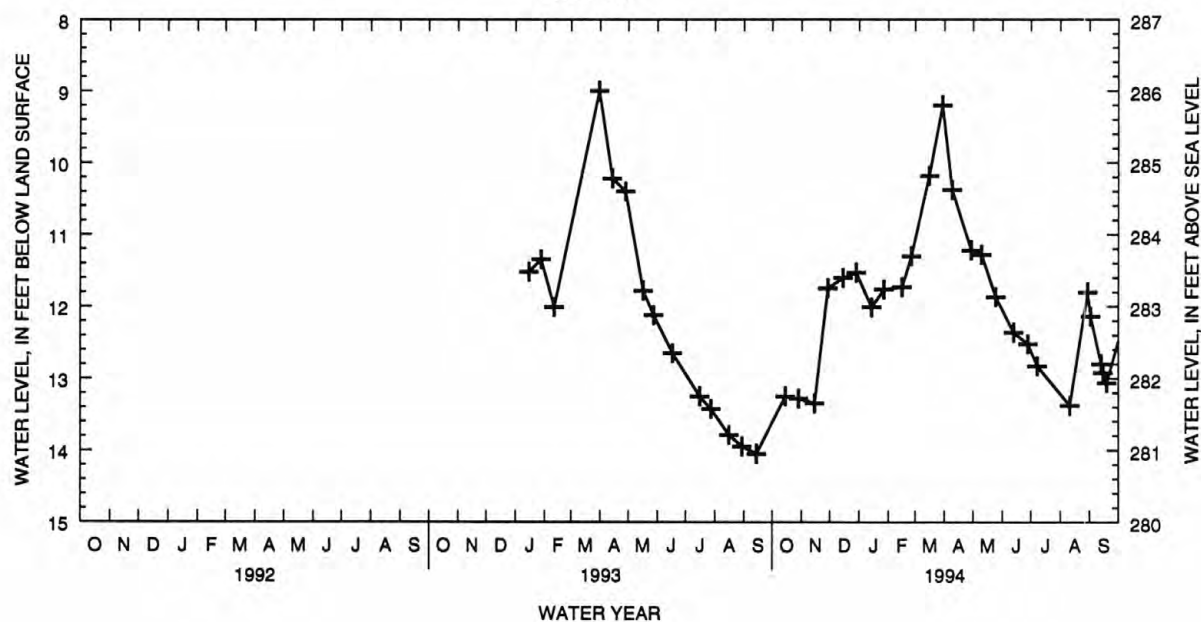
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.00 ft below land-surface datum, March 31, 1993; lowest measured, 14.05 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 13.25	DEC 29 11.53	MAR 16 10.18	MAY 25 11.87	AUG 30 11.80
29 13.28	JAN 14 12.01	30 9.20	JUN 13 12.36	SEP 02 12.14
NOV 15 13.35	27 11.76	APR 09 10.38	28 12.52	13 12.80
29 11.75	FEB 15 11.73	29 11.22	JUL 08 12.83	15 12.92
DEC 15 11.60	25 11.30	MAY 10 11.28	AUG 11 13.38	19 13.06

WATER YEAR 1994 HIGHEST 9.20 MAR 30, 1994 LOWEST 13.38 AUG 11, 1994

MS 45



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 Rte. 32, 2,500 ft north of Rte. 44, 100' east of Willimantic River, Mansfield; Coventry quadrangle. Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 41.25 ft, PVC casing, slotted 36.25 to 41.25 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. 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.--December 1992 to current year.

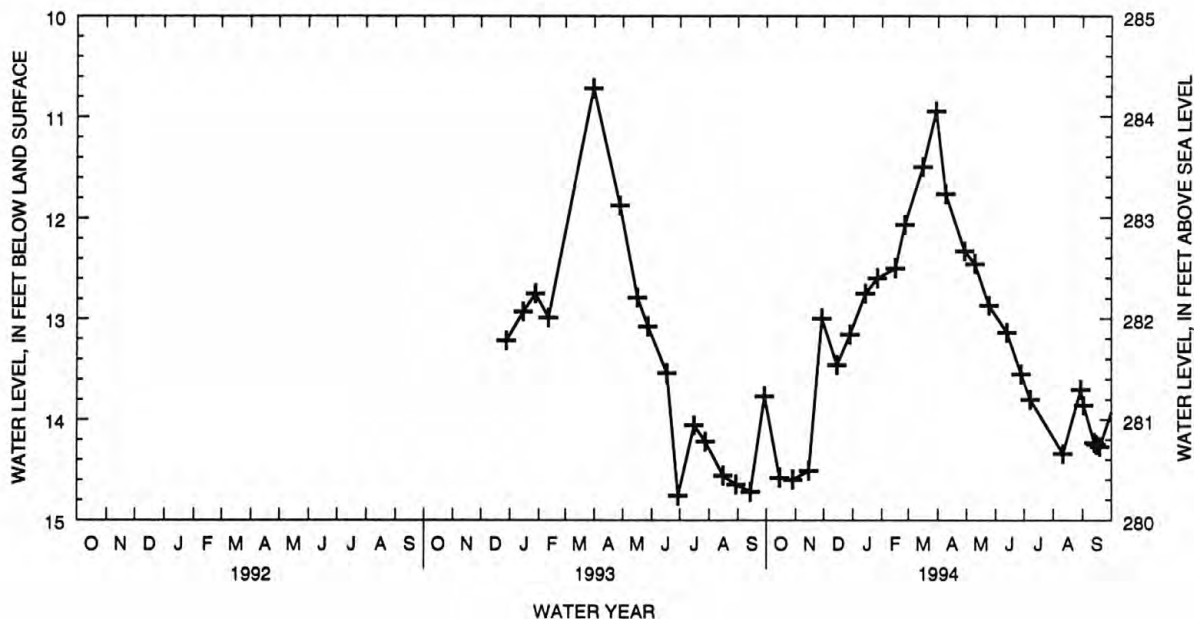
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.72 ft below land-surface datum, March 31, 1993; lowest measured, 14.76 ft below land-surface datum, June 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	14.58	DEC 29	13.16	MAR 16	11.50	MAY 25	12.87	AUG 30	13.70
29	14.60	JAN 14	12.75	30	10.95	JUN 13	13.14	SEP 02	13.86
NOV 15	14.51	27	12.60	APR 09	11.77	28	13.55	13	14.23
29	13.00	FEB 15	12.50	29	12.33	JUL 08	13.80	15	14.25
DEC 15	13.46	25	12.07	MAY 10	12.46	AUG 11	14.34	19	14.27

WATER YEAR 1994 HIGHEST 10.95 MAR 30, 1994 LOWEST 14.60 OCT 29, 1993

MS 46



GROUND-WATER LEVELS

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' north of MS 74, and 3200 feet north of intersection routes 32 and 44, Mansfield; Coventry quadrangle.
Owner: University of Connecticut.

AQUIFER.--Till of Pleistocene age.

WELL CHARACTERISTICS.--Bored, unused, water-table, diameter 2 in, depth 19.5 ft, PVC casing, slotted 14.5 to 19.5 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel

DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.0 ft above land-surface datum.

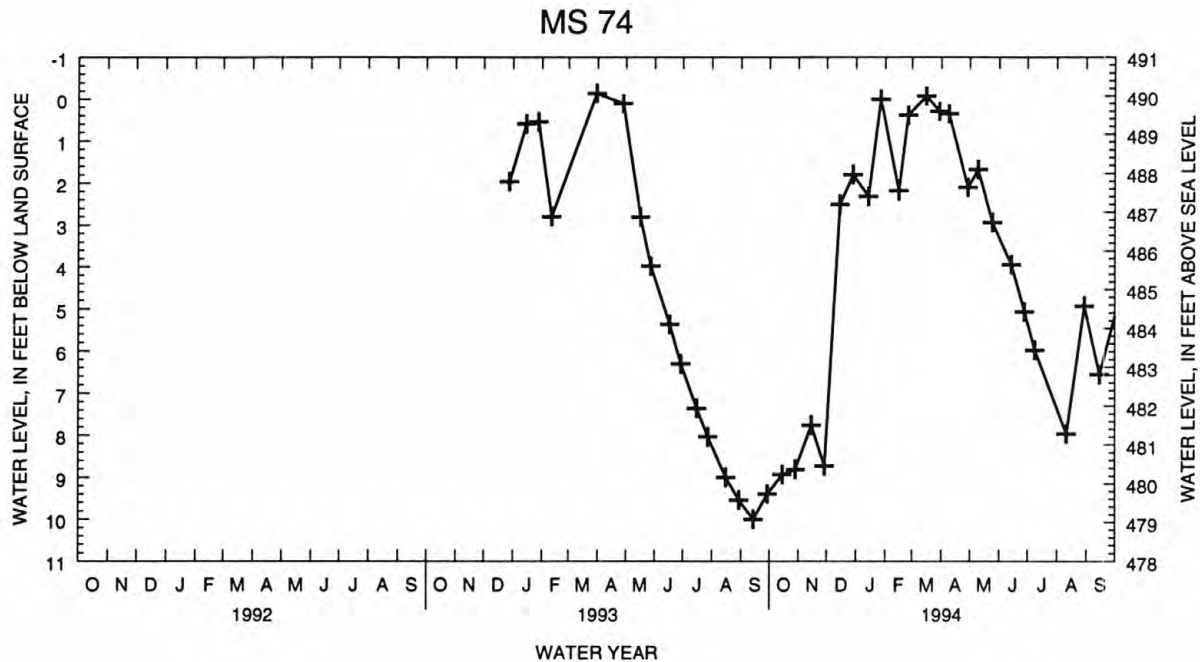
PERIOD OF RECORD.--December 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.14 ft above land-surface datum, March 31, 1993;
lowest measured, 10.00 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	8.94	DEC 29	1.80	MAR 16	+0.08	MAY 25	2.94	AUG 30	4.94
29	8.81	JAN 14	2.32	30	.30	JUN 14	3.94	SEP 15	6.56
NOV 15	7.76	27		APR 09	.36	28	5.06		
29	8.73	FEB 15	2.18	29	2.10	JUL 09	5.98		
DEC 15	2.51	25	.39	MAY 10	1.68	AUG 11	7.97		

WATER YEAR 1994 HIGHEST +.08 MAR 16, 1994 LOWEST 8.94 OCT 15, 1993



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' east of railroad tracks, 1,200 feet north of route 44, Mansfield; Coventry quadrangle.
Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 31 ft, PVC casing, slotted 26 to 31 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. 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.

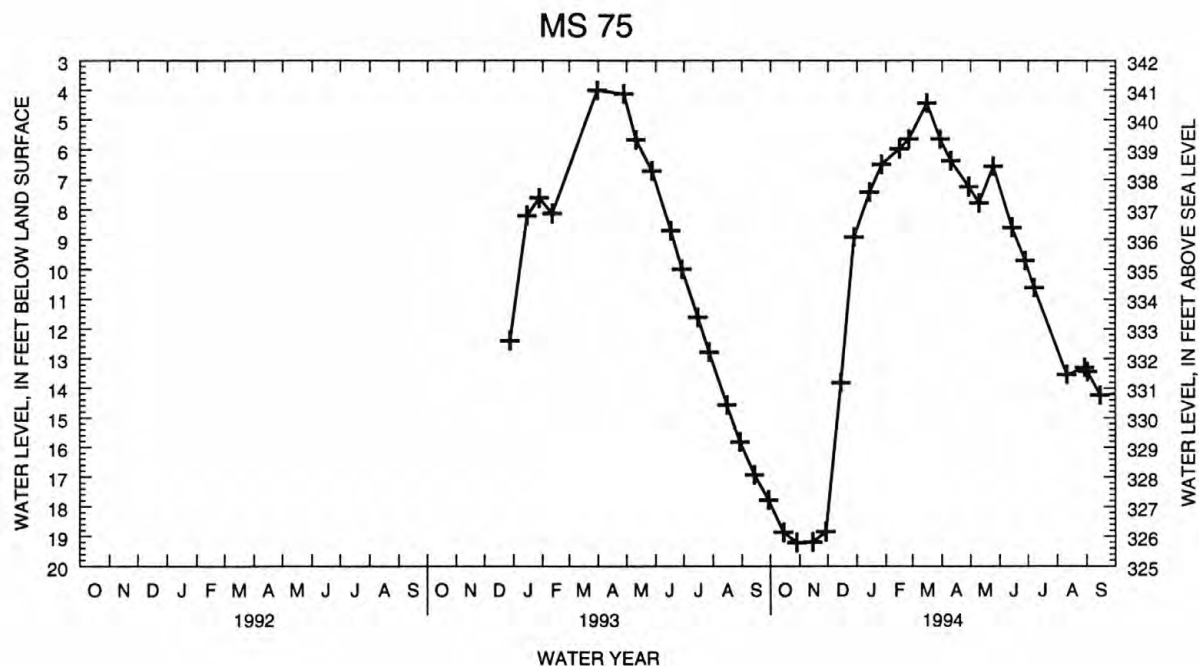
PERIOD OF RECORD.--December 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.01 ft below land-surface datum, March 31, 1993;
lowest measured, 19.21 ft below land-surface datum, October 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 15	18.87	DEC 29	8.92	MAR 16	4.44	MAY 25	6.57	AUG 30	13.30
29	19.21	JAN 14	7.43	30	5.66	JUN 14	8.61	SEP 02	13.44
NOV 15	19.19	27	6.50	APR 10	6.38	28	9.70	15	14.24
29	18.85	FEB 15	5.98	29	7.24	JUL 08	10.61		
DEC 15	13.82	25	5.66	MAY 10	7.78	AUG 11	13.54		

WATER YEAR 1994 HIGHEST 4.44 MAR 16, 1994 LOWEST 19.21 OCT 29, 1993



GROUND-WATER LEVELS

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 feet north of route 44, 35 feet west of farm road, Mansfield; Coventry quadrangle.

Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 68.5 ft, PVC casing, slotted 63.5 to 68.5 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel

DATUM.--Elevation of land-surface datum is 345 ft above sea level, from topographic map.

Measuring point: Top of PVC casing, 2.20 ft above land-surface datum.

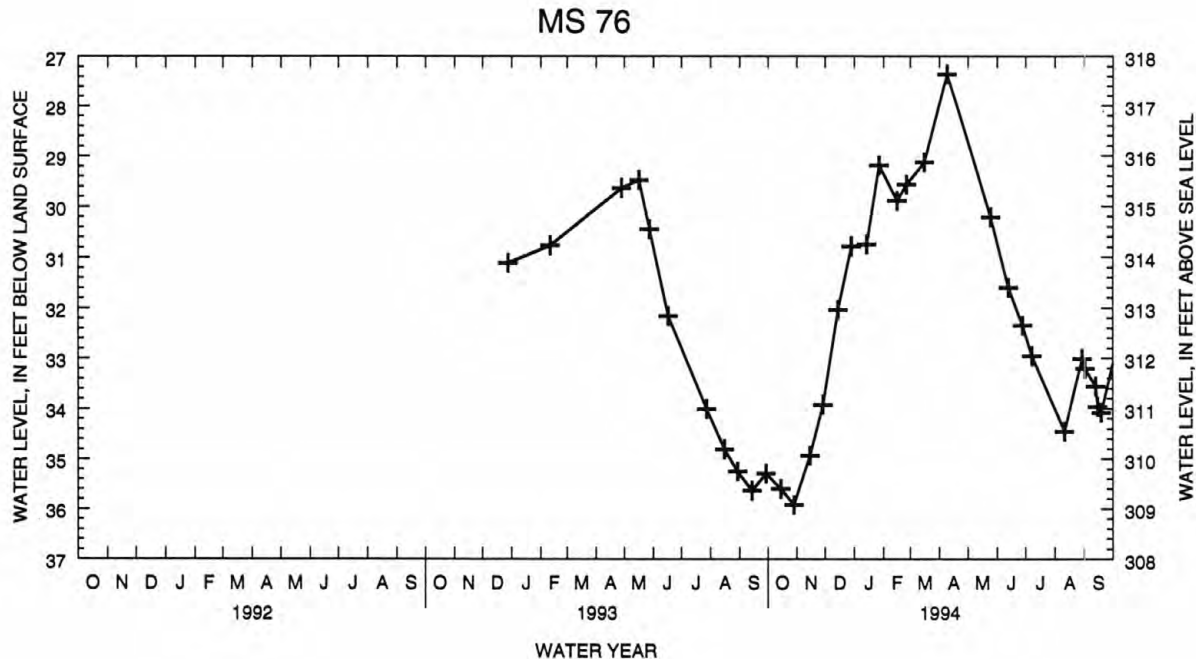
PERIOD OF RECORD.--December 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.48 ft below land-surface datum, May 17, 1993; lowest measured, 35.92 ft below land-surface datum, October 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 35.60	DEC 29 30.79	MAR 16 29.13	JUL 08 32.96	SEP 15 33.96
29 35.92	JAN 14 30.75	APR 09 27.36	AUG 11 34.45	19 34.08
NOV 15 34.93	27 29.19	MAY 25 30.22	30 33.01	
29 33.92	FEB 15 29.89	JUN 13 31.60	SEP 02 33.21	
DEC 15 32.04	25 29.57	28 32.35	13 33.56	

WATER YEAR 1994 HIGHEST 27.36 APR 09, 1994 LOWEST 35.92 OCT 29, 1993



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 feet east of route 44, 30 feet north of MS 74, 3,200 feet north of intersection routes 32 and 44, Mansfield; Coventry quadrangle.

Owner: University of Connecticut.

AQUIFER.--Stratified drift of Pleistocene age.

WELL CHARACTERISTICS.--Augered, unused, water-table, diameter 2 in, depth 50 ft, PVC casing, slotted 45 to 50 ft.

INSTRUMENTATION.--Measurements made biweekly by a chalked tape by U.S.G.S. personnel

DATUM.--Elevation of land-surface datum is 490 ft above sea level, from topographic map. Measuring point: Top of PVC casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1993 to current year.

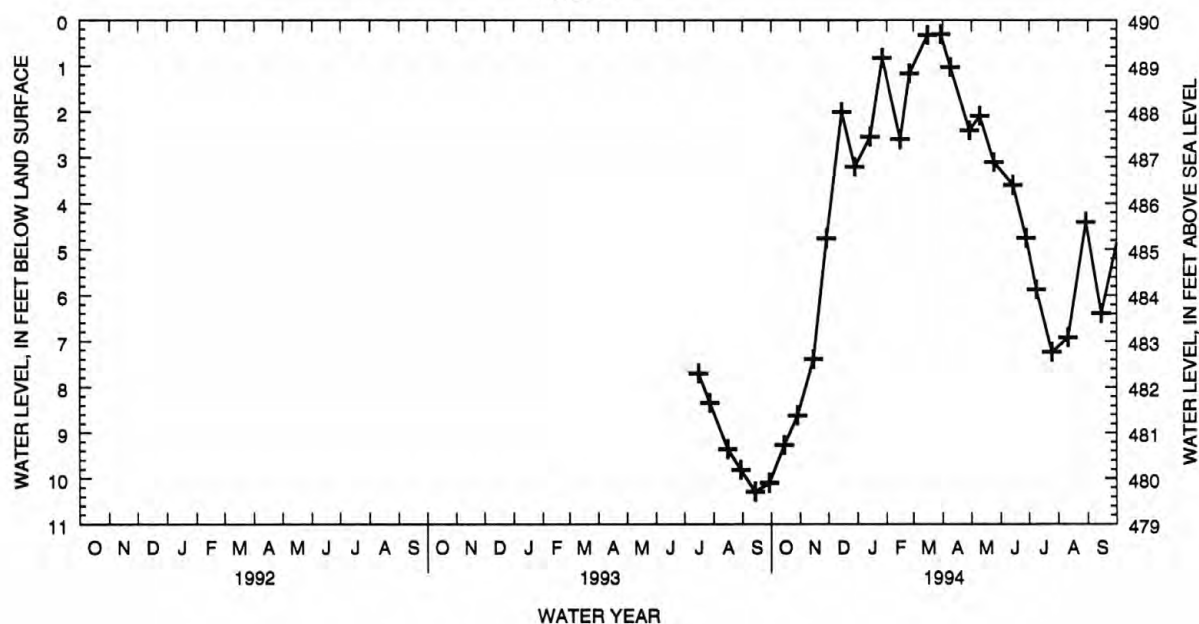
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, .31 ft below land-surface datum, March 30, 1994; lowest measured, 10.30 ft below land-surface datum, September 14, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 15 9.27	DEC 29 3.21	MAR 16 .33	MAY 25 3.11	AUG 11 6.92
29 8.62	JAN 14 2.55	30 .31	JUN 14 3.61	30 4.41
NOV 15 7.39	27 .83	APR 09 1.03	28 4.75	SEP 15 6.39
29 4.76	FEB 15 2.61	29 2.41	JUL 09 5.87	
DEC 15 2.01	25 1.17	MAY 10 2.10	25 7.24	

WATER YEAR 1994 HIGHEST .31 MAR 30, 1994 LOWEST 9.27 OCT 15, 1993

MS 77



GROUND-WATER LEVELS

WINDHAM COUNTY

414054071552001. Local Number, PL 1.

LOCATION.--Lat 41°40'54", long 71°55'20", Hydrologic Unit 01100001, 195 ft south of Pleasant Street, 1300 ft east of junction with State Route 14, 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.--Prior to November 1990 measurements made monthly, since November 1990 measurements made biweekly with a chalked tape by U.S.G.S. personnel.

Analog recorder installed April 12, 1985 and removed September 2, 1985.

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.

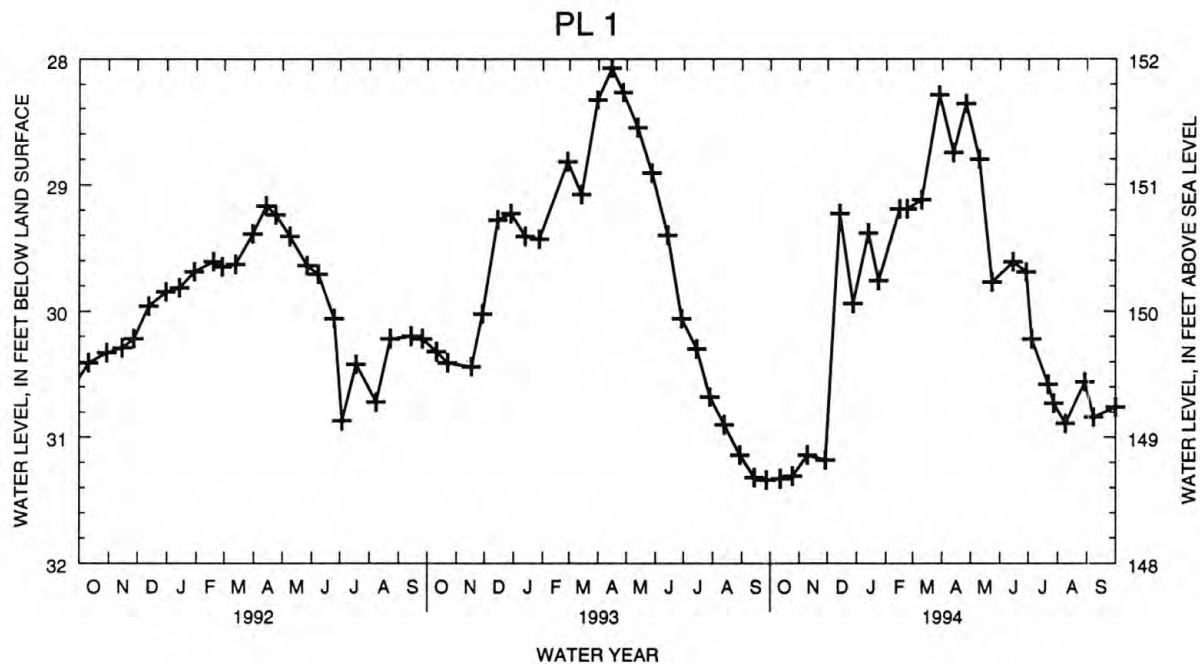
PERIOD OF RECORD.--October 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.19 ft below land-surface datum, April 26, 1983; lowest measured, 33.21 ft below land-surface datum, February 10, 1966.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 12	31.33	DEC 28	29.94	MAR 10	29.12	MAY 24	29.77	JUL 28	30.73
25	31.31	JAN 13	29.38	29	28.29	JUN 15	29.61	AUG 09	30.89
NOV 10	31.14	24	29.76	APR 13	28.75	29	29.69	30	30.56
29	31.18	FEB 15	29.19	26	28.36	JUL 05	30.22	SEP 08	30.84
DEC 14	29.23	23	29.19	MAY 10	28.80	22	30.58		

WATER YEAR 1994 HIGHEST 28.29 MAR 29, 1994 LOWEST 31.33 OCT 12, 1993



GROUND-WATER LEVELS

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, off State Rte.97 along south side of field road about 100 ft east of Rte.97; Scotland; Scotland quadrangle.
 Owner: State of Connecticut.

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. Water levels measured with chalked tape by U.S.G.S. personnel during water years 1993-1994

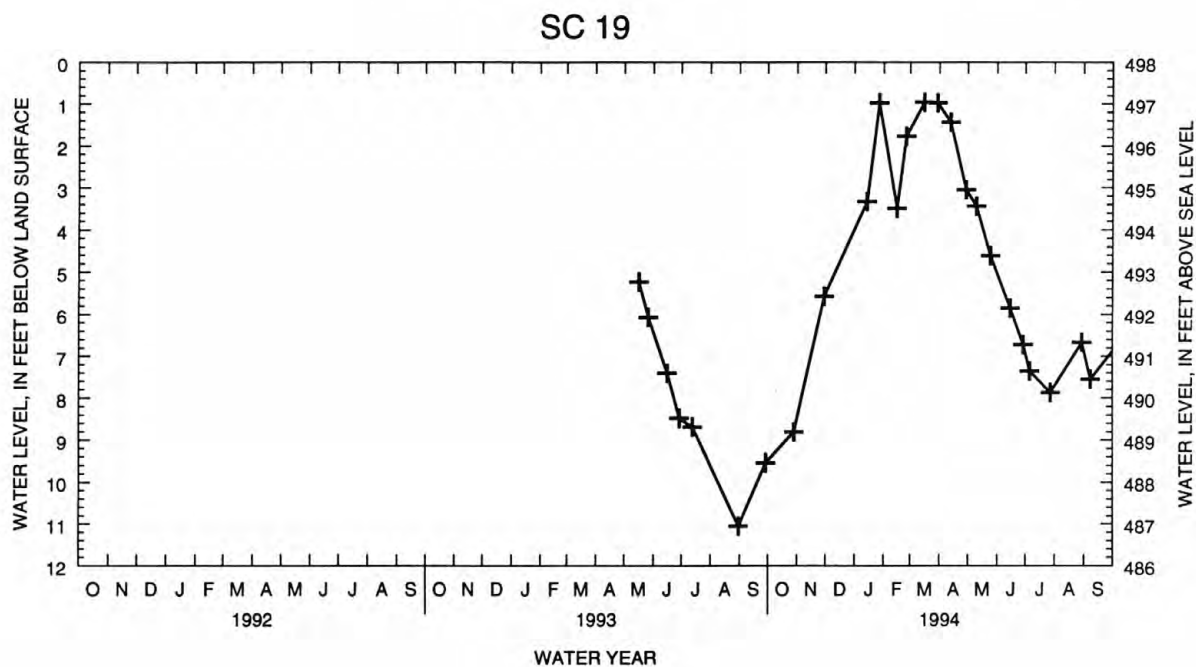
DATUM.--Elevation of land-surface datum is 498 ft above sea level, from topographic map.
 Measuring point: Top of PVC coupling 1.28 ft above land-surface datum.

PERIOD OF RECORD.-- January 1984 to current year

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.95 ft below land-surface datum, June 10, 1989; lowest measured, 11.55 ft below land-surface datum, September 16, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 29	8.80	FEB 15	3.49	APR 13	1.43	JUN 15	5.85	AUG 30	6.67
NOV 30	5.57	25	1.77	29	3.05	29	6.72	SEP 08	7.55
JAN 14	3.33	MAR 16	.96	MAY 10	3.44	JUL 06	7.35		
27	.98	30	.98	25	4.61	28	7.87		
WATER YEAR 1994		HIGHEST	.96	MAR 16, 1994		LOWEST	8.80	OCT 29, 1993	



GROUND-WATER LEVELS

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, off State Rte. 97 along field road on south side about 2300 ft east of Rte. 97; Scotland; Scotland quadrangle.

Owner: State of Connecticut.

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. Water levels measured with chalked tape by U.S.G.S. personnel during water years 1993-1994.

DATUM.-- Elevation of land-surface datum is 350 ft above sea level, from topographic map.

Measuring point: Top of PVC coupling 2.12 ft above land-surface datum.

PERIOD OF RECORD.-- January 1984 to current year.

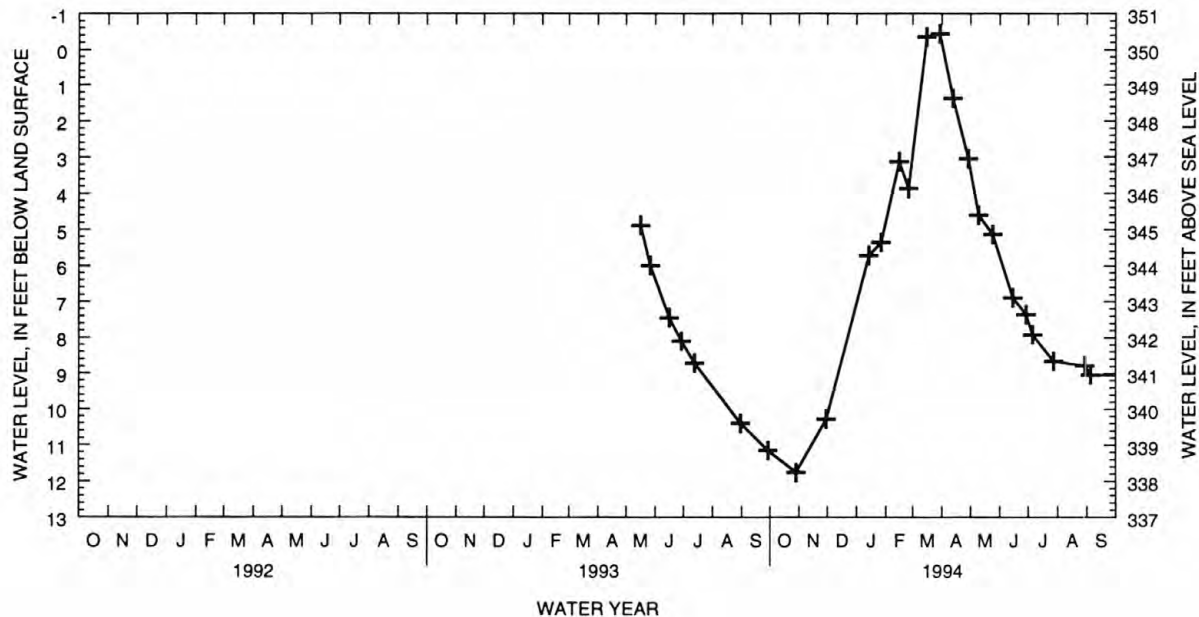
EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 0.50 ft above land-surface datum, April 9, 1987; lowest measured, 11.76 ft below land-surface datum, October 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 29	11.76	FEB 15	3.13	APR 13	1.37	JUN 15	6.89	AUG 30	8.78
NOV 30	10.28	25	3.87	29	3.05	29	7.35	SEP 05	9.04
JAN 14	5.72	MAR 16	+ .35	MAY 10	4.60	JUL 06	7.92		
27	5.35	30	+ .43	25	5.13	28	8.66		

WATER YEAR 1994 HIGHEST +.43 MAR 30, 1994 LOWEST 11.76 OCT 29, 1993

SC 20



GROUND-WATER LEVELS

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, off State Rte 97 at end of field road near stream about 4000 ft east of Rte 97; Scotland; Scotland quadrangle.
Owner: State of Connecticut.

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. Water levels measured with a chalked steel tape, by U.S.G.S. personnel during water years 1993-1994.

DATUM.-- Elevation of land-surface datum is 265 ft above sea level, from topographic map.

Measuring point: Top of PVC coupling 1.06 ft above land-surface datum.

REMARKS.-- Well obstructed by ice, January 4, 1984 and March 7, 1985. Water levels of .00 indicate flowing well at land-surface datum March 24 through April 27 and August 13, 14, and 15, 1989. Recorder destroyed by flood, October 13, 1990, data collection discontinued. Data collection started again August, 1993.

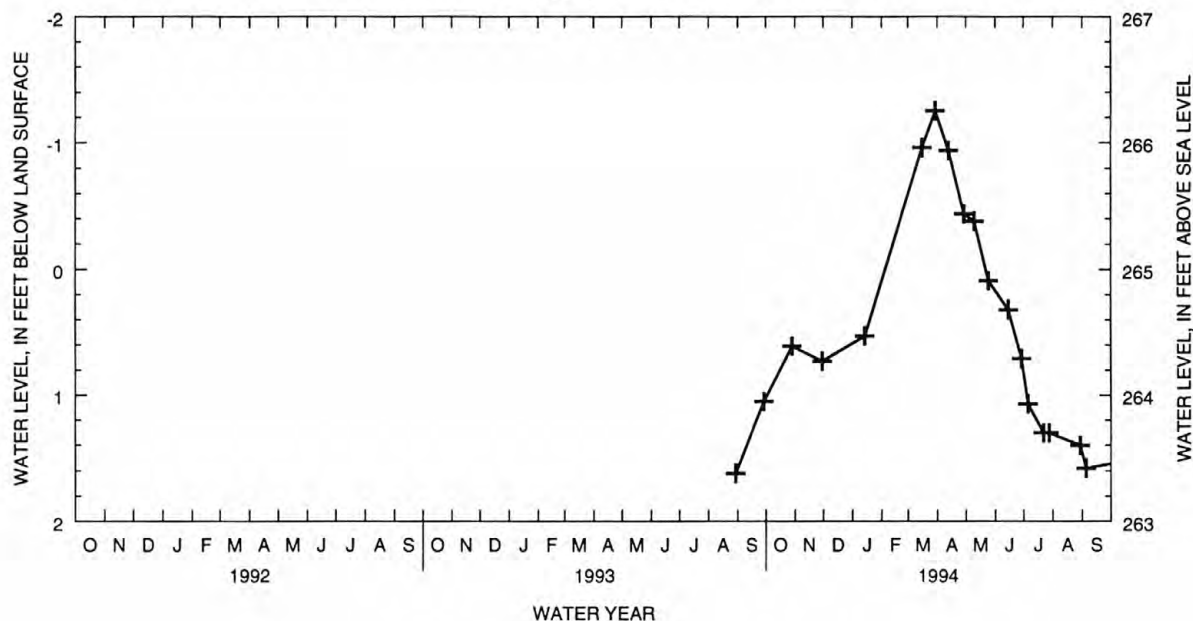
PERIOD OF RECORD.-- January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, FLOWING at 1.25 ft above land-surface datum, March 30, 1994; lowest measured, 1.69 ft below land-surface datum, September 24, 1986.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 29	.61	MAR 30	+1.25	MAY 25	.09	JUL 22	1.30
NOV 30	.73	APR 13	+.94	JUN 15	.32	28	1.30
JAN 14	.53	29	+.44	29	.71	AUG 30	1.40
MAR 16	+.96	MAY 10	+.38	JUL 06	1.07	SEP 05	1.58
WATER YEAR 1994		HIGHEST	+1.25	MAR 30, 1994	LOWEST	1.58	SEP 05, 1994

SC 21



GROUND-WATER LEVELS

WINDEHAM 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, off State Rte. 97 along north side of field road about 3300 ft east of Rte.97; Scotland; Scotland quadrangle.

Owner: State of Connecticut.

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. Water levels measured with chalked tape by U.S.G.S. personnel during water years 1993-1994.

DATUM.-- Elevation of land-surface datum is 315 ft above sea level, from topographic map.

Measuring point: Top of PVC coupling, 1.95 ft above land-surface datum.

PERIOD OF RECORD.-- October 1984 to current year.

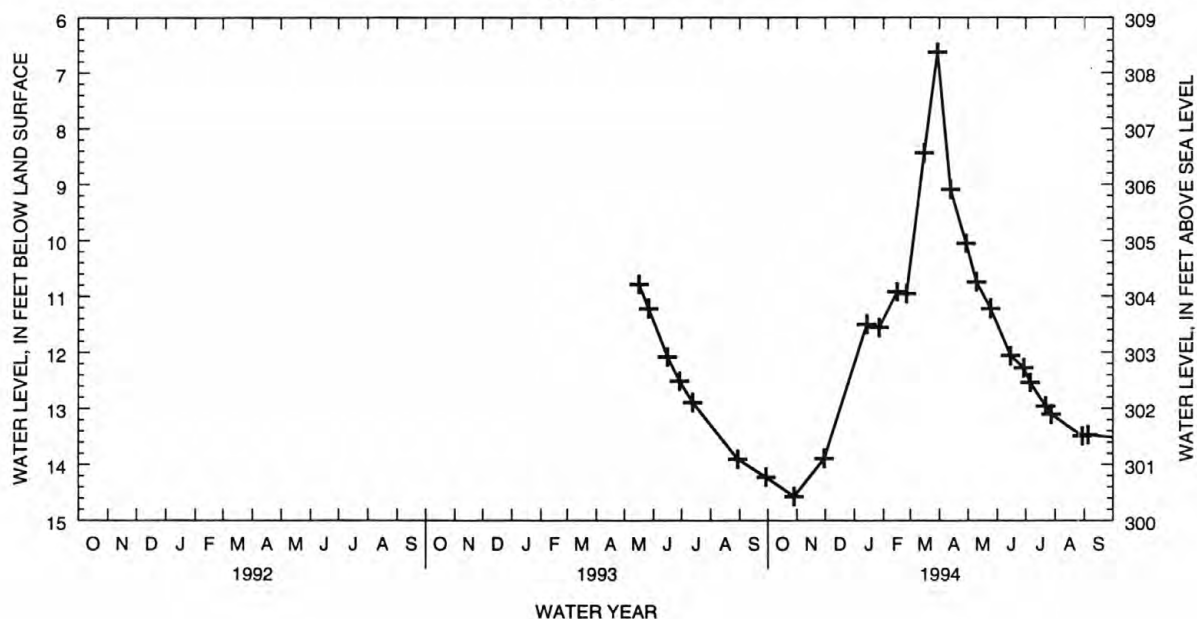
EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 6.62 ft below land-surface datum, March 30, 1994; lowest measured, 14.57 ft below land-surface datum, October 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL	
OCT 29	14.57	FEB 15	10.92	APR 13	9.09	JUN 15	12.06	JUL 28	13.10
NOV 30	13.89	25	10.95	29	10.05	29	12.27	AUG 30	13.49
JAN 14	11.50	MAR 16	8.44	MAY 10	10.75	JUL 06	12.54	SEP 05	13.47
27	11.56	30	6.62	25	11.22	22	12.96		

WATER YEAR 1994 HIGHEST 6.62 MAR 30, 1994 LOWEST 14.57 OCT 29, 1993

SC 22



GROUND-WATER LEVELS

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, off State Rte 97 at end of field road near stream about 4000 ft east of Rte 97; Scotland; Scotland quadrangle.
 Owner: State of Connecticut.

AQUIFER.-- Stratified drift of Pleistocene age (sand and gravel).

WELL CHARACTERISTICS.-- Bored, unused, water table well, diameter 2 in, depth 5.2 ft.

INSTRUMENTATION.-- Measurements made biweekly by a chalked tape by U.S.G.S. personnel.

DATUM.-- Elevation of land-surface datum is 315 ft above sea level, from topographic map.

REMARKS.-- Data collection started August, 1993.

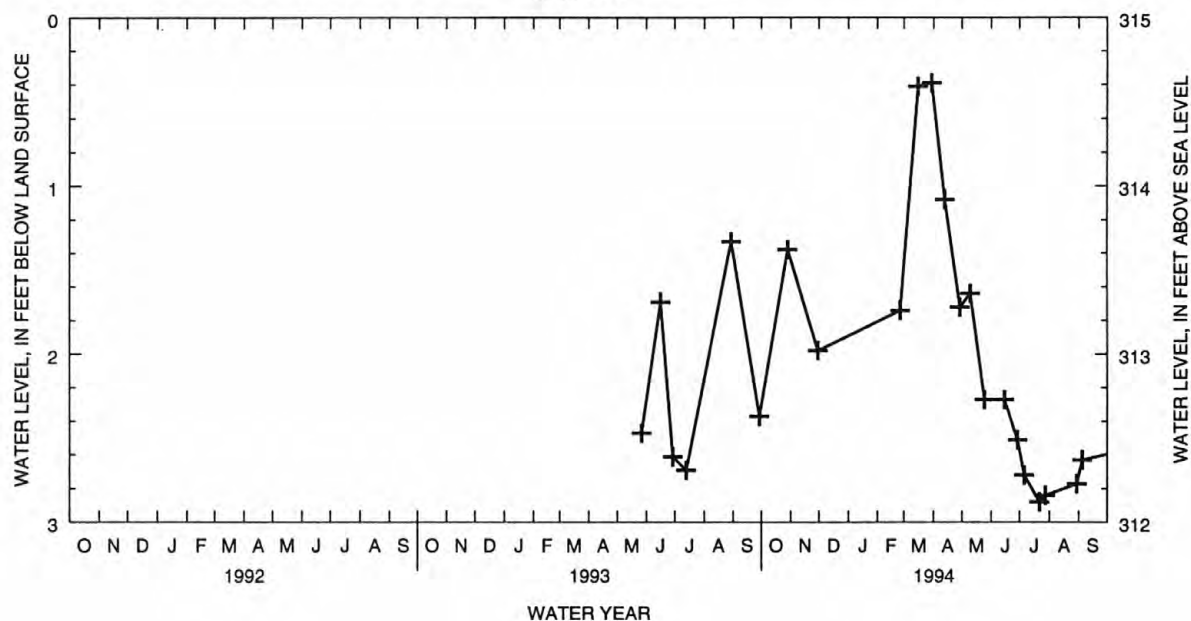
PERIOD OF RECORD.-- August 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, .39 ft below land-surface datum, March 30, 1994; lowest measured, 2.88 ft below land-surface datum, July 22, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
OCT 29 1.38	MAR 30 .39	MAY 25 2.27	JUL 22 2.88
NOV 30 1.98	APR 13 1.08	JUN 15 2.27	28 2.84
FEB 25 1.74	29 1.72	29 2.51	AUG 30 2.77
MAR 16 .41	MAY 10 1.64	JUL 06 2.72	SEP 05 2.63
WATER YEAR 1994	HIGHEST .39 MAR 30, 1994	LOWEST 2.88 JUL 22, 1994	

SC 23



QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

Data for selected constituents not published in the Water Resources Data Connecticut Water Year 1993 report are presented here.

REMARKS.--An "E" before the data value for some organic compounds indicates this value is estimated, however, the compound was observed at the correct retention time and the qualifying information from the chromatographic spectra conclusively identifies the analyte.

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (90095)
FAIRFIELD COUNTY									
E 32	411449073190401	112DFSF	2.02	12.21	09-02-93	1010	72	72	
BT 50	412210073251501	112DFSF	5.46	17.23	08-12-93	1345	547	546	
BT 51	412314073241101	112DFSF	6.15	21.66	08-24-93	1105	279	285	
DY 92	412306073264101	112DFSF	4.52	15.37	08-12-93	1145	732	721	
FF 29	410813073160201	112DFSF	2.75	17.99	08-06-93	1115	174	171	
MO 64	411806073163201	112DFSF	4.78	13.76	08-16-93	1330	46	47	
NT 104	412733073193601	112DFSF	9.25	13.20	09-02-93	1215	147	145	
HARTFORD COUNTY									
B 403	413652072483601	112DFSF	4.80	9.08	08-19-93	1200	500	502	
S 387	413536072525301	112DFSF	8.30	15.20	09-01-93	1140	238	186	
EF 125	415837072305501	112DFSF	9.85	25.80	08-30-93	1320	95	--	
EF 126	415924072304401	112DFSF	8.15	11.60	08-30-93	1100	360	356	
EF 127	415847072301201	112DFSF	9.74	12.50	08-11-93	1200	268	--	
EW 139	415300072311601	112DFSF	6.25	28.40	08-27-93	1410	324	--	
EW 140	415329072313501	112DFSF	17.15	33.40	08-31-93	1100	483	475	
SI 456	415105072482201	112DFSF	8.11	13.09	08-05-93	1120	112	115	
WH 142	414435072461201	112DFSF	7.92	12.02	08-03-93	1125	467	469	
LITCHFIELD COUNTY									
BA 104	415545073000601	112DFSF	5.66	12.98	08-05-93	1515	83	91	
WY 63	413322073114101	112DFSF	8.76	18.75	08-09-93	1314	148	145	
CRN 26	415504073213601	112DFSF	12.30	16.50	08-25-93	1000	577	576	
CRN 27	415209073173101	112SRFD	6.75	12.90	08-25-93	1235	360	361	
NMI 32	413354073253901	112DFSF	23.55	28.75	08-26-93	1210	523	508	
NMI 38	413434073245301	112DFSF	10.10	19.60	08-26-93	1530	1100	1110	
NOC 37	420033073165401	112DFSF	4.55	9.00	08-24-93	1530	379	384	
MIDDLESEX COUNTY									
P 112	413731072373403	112DFSF	11.86	14.15	08-13-93	1035	69	67	
HD 472	412643072314301	112DFSF	16.53	18.27	08-04-93	1300	50	50	
MT 394	413044072375701	112DFSF	3.48	13.05	08-13-93	1345	564	535	
NEW HAVEN COUNTY									
CS 206	413031072513401	112DFSF	12.62	22.15	09-01-93	0940	191	188	
HM 451	412730072551401	112DFSF	9.17	10.05	08-23-93	1235	280	--	
MI 315	411314073033501	112DFSF	13.65	20.90	08-06-93	1410	275	285	
NBR 118	412422072460401	112DFSF	8.53	18.79	08-27-93	1130	314	327	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	PH WATER FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS FIELD MG/L AS CACO3 (39086)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	(00301)
FAIRFIELD COUNTY									
E 32	09-02-93	6.0	0	28	23	11.0	760	6.6	60
BT 50	08-12-93	7.5	0	215	176	12.5	755	1.1	10
BT 51	08-24-93	8.0	0	161	132	10.0	760	4.9	44
DY 92	08-12-93	6.8	0	478	392	13.5	755	2.4	23
FF 29	08-06-93	5.6	0	18	15	13.0	765	2.0	19
MO 64	08-16-93	6.5	0	9	7	11.0	755	7.0	64
NT 104	09-02-93	6.2	0	39	32	10.5	760	8.4	75
HARTFORD COUNTY									
B 403	08-19-93	8.0	0	272	223	19.0	760	8.9	96
S 387	09-01-93	6.5	0	103	84	10.0	760	0.5	4
EF 125	08-30-93	5.3	0	7	6	10.5	--	--	--
EF 126	08-30-93	6.2	0	61	50	15.0	--	--	--
EF 127	08-11-93	7.0	0	167	137	--	--	--	--
EW 139	08-27-93	6.0	0	26	21	10.5	760	7.8	70
EW 140	08-31-93	7.8	0	80	66	10.5	760	6.0	54
SI 456	08-05-93	6.2	0	19	16	12.0	760	3.5	33
WH 142	08-03-93	8.1	0	237	194	13.0	757	5.7	55
LITCHFIELD COUNTY									
BA 104	08-05-93	6.1	0	23	19	11.0	760	3.0	27
WY 63	08-09-93	6.0	0	29	24	13.0	763	6.9	65
CRN 26	08-25-93	7.2	0	328	269	8.0	750	4.3	37
CRN 27	08-25-93	6.4	0	216	177	8.0	740	0.7	6
NMI 32	08-26-93	7.3	0	264	216	8.5	760	0.5	4
NMI 38	08-26-93	6.5	0	395	324	11.5	760	1.7	16
NOC 37	08-24-93	6.9	0	194	159	14.0	740	0	0
MIDDLESEX COUNTY									
P 112	08-13-93	5.6	0	14	11	11.5	763	6.5	60
HD 472	08-04-93	5.6	0	7	6	11.0	750	9.8	90
MT 394	08-13-93	7.4	0	256	210	15.0	760	7.0	70
NEW HAVEN COUNTY									
CS 206	09-01-93	8.2	0	86	70	9.5	760	10.2	90
HM 451	08-23-93	7.2	0	51	42	13.5	760	9.4	90
MI 315	08-06-93	6.2	0	67	55	15.0	763	5.2	52
NBR 118	08-27-93	7.5	0	126	103	19.0	760	4.3	47

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER		DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
FAIRFIELD COUNTY										
E	32	09-02-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
BT	50	08-12-93	<0.02	<0.008	<0.01	<0.008	0.04	<0.01	<0.008	<0.007
BT	51	08-24-93	--	--	--	--	--	--	--	--
DY	92	08-12-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
FF	29	08-06-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
MO	64	08-16-93	--	--	--	--	--	--	--	--
NT	104	09-02-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
HARTFORD COUNTY										
B	403	08-19-93	--	--	--	--	--	--	--	--
S	387	09-01-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
EF	125	08-30-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
EF	126	08-30-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
EF	127	08-11-93	--	--	--	--	--	--	--	--
EW	139	08-27-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
EW	140	08-31-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
SI	456	08-05-93	<0.02	<0.008	<0.01	<0.008	1.4	<0.01	<0.008	<0.007
WH	142	08-03-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
LITCHFIELD COUNTY										
BA	104	08-05-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
WY	63	08-09-93	<0.02	<0.008	<0.01	<0.008	0.04	<0.01	<0.008	<0.007
CRN	26	08-25-93	--	--	--	--	--	--	--	--
CRN	27	08-25-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
NMI	32	08-26-93	<0.02	<0.008	<0.01	<0.008	0.04	<0.01	<0.008	<0.007
NMI	38	08-26-93	<0.02	<0.008	<0.01	0.01	0.12	<0.01	<0.008	<0.007
NOC	37	08-24-93	<0.02	<0.008	<0.01	0.009	0.03	<0.01	<0.008	<0.007
MIDDLESEX COUNTY										
P	112	08-13-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
HD	472	08-04-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
MT	394	08-13-93	<0.02	<0.008	<0.01	<0.008	0.17	<0.01	<0.008	<0.007
NEW HAVEN COUNTY										
CS	206	09-01-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
HM	451	08-23-93	--	--	--	--	--	--	--	--
MI	315	08-06-93	<0.02	<0.008	<0.01	0.03	0.03	<0.01	<0.008	<0.007
NBR	118	08-27-93	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER	DATE	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
FAIRFIELD COUNTY									
E 32	09-02-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
BT 50	08-12-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
BT 51	08-24-93	--	--	--	--	--	--	--	--
DY 92	08-12-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
FF 29	08-06-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
MO 64	08-16-93	--	--	--	--	--	--	--	--
NT 104	09-02-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
HARTFORD COUNTY									
B 403	08-19-93	--	--	--	--	--	--	--	--
S 387	09-01-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
EF 125	08-30-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
EF 126	08-30-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
EF 127	08-11-93	--	--	--	--	--	--	--	--
EW 139	08-27-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	0.02
EW 140	08-31-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
SI 456	08-05-93	<0.02	<0.005	<0.02	1.2	<0.01	<0.02	<0.008	3.6
WH 142	08-03-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
LITCHFIELD COUNTY									
BA 104	08-05-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
WY 63	08-09-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	0.02
CRN 26	08-25-93	--	--	--	--	--	--	--	--
CRN 27	08-25-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
NMI 32	08-26-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	0.09
NMI 38	08-26-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	0.09
NOC 37	08-24-93	<0.02	<0.005	<0.02	E0.007	<0.01	<0.02	<0.008	0.06
MIDDLESEX COUNTY									
P 112	08-13-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
HD 472	08-04-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
MT 394	08-13-93	<0.02	<0.005	<0.02	0.06	<0.01	<0.02	<0.008	0.29
NEW HAVEN COUNTY									
CS 206	09-01-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	<0.006
HM 451	08-23-93	--	--	--	--	--	--	--	--
MI 315	08-06-93	<0.02	<0.005	<0.02	<0.009	<0.01	<0.02	<0.008	0.01
NBR 118	08-27-93	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER		DATE	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2, 6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	DIMETH- OATE WATER FLTRD 0.7 U (UG/L) (82662)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U (UG/L) (82665)
FAIRFIELD COUNTY										
E	32	09-02-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
BT	50	08-12-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
BT	51	08-24-93	--	--	--	--	--	--	--	--
DY	92	08-12-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
FF	29	08-06-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
MO	64	08-16-93	--	--	--	--	--	--	--	--
NT	104	09-02-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
HARTFORD COUNTY										
B	403	08-19-93	--	--	--	--	--	--	--	--
S	387	09-01-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
EF	125	08-30-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	0.06
EF	126	08-30-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
EF	127	08-11-93	--	--	--	--	--	--	--	--
EW	139	08-27-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
EW	140	08-31-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
SI	456	08-05-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
WH	142	08-03-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
LITCHFIELD COUNTY										
BA	104	08-05-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
WY	63	08-09-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
CRN	26	08-25-93	--	--	--	--	--	--	--	--
CRN	27	08-25-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
NMI	32	08-26-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
NMI	38	08-26-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
NOC	37	08-24-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
MIDDLESEX COUNTY										
P	112	08-13-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
HD	472	08-04-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
MT	394	08-13-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
NEW HAVEN COUNTY										
CS	206	09-01-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
HM	451	08-23-93	--	--	--	--	--	--	--	--
MI	315	08-06-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
NBR	118	08-27-93	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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			LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	
LOCAL IDENT- I- FIER			DATE								
FAIRFIELD COUNTY											
E	32		09-02-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
BT	50		08-12-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
BT	51		08-24-93	--	--	--	--	--	--	--	--
DY	92		08-12-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
FF	29		08-06-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
MO	64		08-16-93	--	--	--	--	--	--	--	--
NT	104		09-02-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
HARTFORD COUNTY											
B	403		08-19-93	--	--	--	--	--	--	--	--
S	387		09-01-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
EF	125		08-30-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
EF	126		08-30-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
EF	127		08-11-93	--	--	--	--	--	--	--	--
EW	139		08-27-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
EW	140		08-31-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
SI	456		08-05-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
WH	142		08-03-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
LITCHFIELD COUNTY											
BA	104		08-05-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
WY	63		08-09-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
CRN	26		08-25-93	--	--	--	--	--	--	--	--
CRN	27		08-25-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
NMI	32		08-26-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
NMI	38		08-26-93	<0.04	<0.03	<0.01	<0.009	0.08	<0.007	<0.01	<0.009
NOC	37		08-24-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
MIDDLESEX COUNTY											
P	112		08-13-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
HD	472		08-04-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
MT	394		08-13-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
NEW HAVEN COUNTY											
CS	206		09-01-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
HM	451		08-23-93	--	--	--	--	--	--	--	--
MI	315		08-06-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
NBR	118		08-27-93	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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			CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
LOCAL IDENT- I- FIER		DATE							
FAIRFIELD COUNTY									
E 32		09-02-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
BT 50		08-12-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	E0.007
BT 51		08-24-93	--	--	--	--	--	--	--
DY 92		08-12-93	<0.01	<0.01	<0.009	<0.02	<0.004	E0.008	<0.05
FF 29		08-06-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
MO 64		08-16-93	--	--	--	--	--	--	--
NT 104		09-02-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
HARTFORD COUNTY									
B 403		08-19-93	--	--	--	--	--	--	--
S 387		09-01-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
EF 125		08-30-93	1.3	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
EF 126		08-30-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
EF 127		08-11-93	--	--	--	--	--	--	--
EW 139		08-27-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
EW 140		08-31-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
SI 456		08-05-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
WH 142		08-03-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
LITCHFIELD COUNTY									
BA 104		08-05-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
WY 63		08-09-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
CRN 26		08-25-93	--	--	--	--	--	--	--
CRN 27		08-25-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
NMI 32		08-26-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
NMI 38		08-26-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
NOC 37		08-24-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
MIDDLESEX COUNTY									
P 112		08-13-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
HD 472		08-04-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
MT 394		08-13-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
NEW HAVEN COUNTY									
CS 206		09-01-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
HM 451		08-23-93	--	--	--	--	--	--	--
MI 315		08-06-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
NBR 118		08-27-93	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER		DATE	THIO- BENCARB	DCPA	PENDI- METH-	NAPROP- AMIDE	PRO- PARGITE	METHYL AZIN-	PER- METHRIN
			WATER	WATER	ALIN	WATER	WATER	PHOS	CIS
			FLTRD	FLTRD	WAT FLT	FLTRD	FLTRD	WAT FLT	WAT FLT
			0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
			GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC
			(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
			(82681)	(82682)	(82683)	(82684)	(82685)	(82686)	(82687)
FAIRFIELD COUNTY									
E	32	09-02-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
BT	50	08-12-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.04	<0.02
BT	51	08-24-93	--	--	--	--	--	--	--
DY	92	08-12-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.04	<0.02
FF	29	08-06-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
MO	64	08-16-93	--	--	--	--	--	--	--
NT	104	09-02-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
HARTFORD COUNTY									
B	403	08-19-93	--	--	--	--	--	--	--
S	387	09-01-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
EF	125	08-30-93	<0.008	<0.005	<0.02	0.01	<0.01	<0.08	<0.02
EF	126	08-30-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
EF	127	08-11-93	--	--	--	--	--	--	--
EW	139	08-27-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
EW	140	08-31-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
SI	456	08-05-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
WH	142	08-03-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
LITCHFIELD COUNTY									
BA	104	08-05-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
WY	63	08-09-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
CRN	26	08-25-93	--	--	--	--	--	--	--
CRN	27	08-25-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
NMI	32	08-26-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
NMI	38	08-26-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
NOC	37	08-24-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
MIDDLESEX COUNTY									
P	112	08-13-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
HD	472	08-04-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
MT	394	08-13-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
NEW HAVEN COUNTY									
CS	206	09-01-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
HM	451	08-23-93	--	--	--	--	--	--	--
MI	315	08-06-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
NBR	118	08-27-93	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
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NEW LONDON COUNTY

FR 23	413644072080501	112DFSF	11.24	13.75	08-07-93	1120	183	184
GS 93	413619071553201	112DFSF	13.83	18.60	08-10-93	1115	42	42
PS 137	413001072025701	112DFSF	16.92	23.58	08-10-93	1410	353	347

TOLLAND COUNTY

CV 38	414745072210101	112DFSF	7.00	13.48	07-29-93	1235	92	94
EL 133	415530072290201	112DFSF	4.22	9.90	08-14-93	1115	308	307
SO 110	415856072263101	112DFSF	6.60	17.10	08-30-93	1520	89	--

WINDHAM COUNTY

PL 441	414306071562802	112DFSF	6.76	13.08	08-02-93	1410	184	182
PL 471	414258071562701	112DFSF	9.70	16.64	08-02-93	1130	110	109

LOCAL IDENT- I- FIER	DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
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NEW LONDON COUNTY

FR 23	08-07-93	5.1	0	5	4	11.5	759	9.3	86
GS 93	08-10-93	6.0	0	8	7	10.5	766	9.4	84
PS 137	08-10-93	5.6	0	20	16	11.5	767	8.6	78

TOLLAND COUNTY

CV 38	07-29-93	5.7	0	9	7	14.5	743	--	--
EL 133	08-14-93	6.8	0	75	61	17.5	755	7.7	81
SO 110	08-30-93	6.4	0	24	20	12.0	--	--	--

WINDHAM COUNTY

PL 441	08-02-93	6.0	0	24	20	11.0	755	7.4	68
PL 471	08-02-93	6.2	0	25	20	11.0	755	8.6	79

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	DEETHYL							
		PROP- CHLOR,	BUTYL- ATE,	SI- MAZINE,	PRO- METON,	ATRA- ZINE,	CYANA- ZINE,	FONOFOS	ALPHA
		WATER,	WATER,	WATER,	WATER,	WATER,	WATER,	WATER	BHC
		DISS,	DISS,	DISS,	DISS,	DISS,	DISS,	DISS	DIS-
		REC	REC	REC	REC	REC	REC	REC	SOLVED
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(04024)	(04028)	(04035)	(04037)	(04040)	(04041)	(04095)	(34253)
NEW LONDON COUNTY									
FR 23	08-07-93	<0.02	<0.008	<0.01	<0.008	0.17	<0.01	<0.008	<0.007
GS 93	08-10-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007
PS 137	08-10-93	<0.02	<0.008	<0.01	<0.008	0.16	<0.01	<0.008	<0.007

TOLLAND COUNTY

CV 38	07-29-93	<0.02	<0.008	<0.01	<0.008	0.31	<0.01	<0.008	<0.007
EL 133	08-14-93	<0.02	<0.008	<0.01	<0.008	0.27	<0.01	<0.008	<0.007
SO 110	08-30-93	<0.02	<0.008	<0.01	<0.008	<0.02	<0.01	<0.008	<0.007

WINDHAM COUNTY

PL 441	08-02-93	<0.02	<0.008	<0.01	<0.008	0.15	<0.01	<0.008	<0.007
PL 471	08-02-93	<0.02	<0.008	<0.01	<0.008	0.03	<0.01	<0.008	<0.007

LOCAL IDENT- I- FIER	DATE	P, P'	CHLOR-	DI-	METO-	MALA-	PARA-	DI-	ATRA-
		DDE	PYRIFOS	ELDRIN	LACHLOR	THION,	THION,	AZINON,	ZINE,
			DIS-	DIS-	WATER	DIS-	DIS-	DIS-	WATER,
		DISSOLV	SOLVED	SOLVED	DISSOLV	SOLVED	SOLVED	SOLVED	DISS,
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	REC
		(34653)	(38933)	(39381)	(39415)	(39532)	(39542)	(39572)	(39632)

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER	DATE	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	DIMETH- OATE WATER FLTRD (UG/L) (82662)	ETHAL- FLUR- ALIN WAT FLT (UG/L) (82663)	PHORATE WATER FLTRD (UG/L) (82664)	TER- BACIL WATER FLTRD (UG/L) (82665)
		NEW LONDON COUNTY							
FR 23	08-07-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
GS 93	08-10-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
PS 137	08-10-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
TOLLAND COUNTY									
CV 38	07-29-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
EL 133	08-14-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
SO 110	08-30-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
WINDHAM COUNTY									
PL 441	08-02-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
PL 471	08-02-93	<0.009	<0.01	<0.006	<0.01	<0.02	<0.01	<0.02	<0.03
LOCAL IDENT- I- FIER	DATE	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
		NEW LONDON COUNTY							
FR 23	08-07-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
GS 93	08-10-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
PS 137	08-10-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
TOLLAND COUNTY									
CV 38	07-29-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
EL 133	08-14-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
SO 110	08-30-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
WINDHAM COUNTY									
PL 441	08-02-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009
PL 471	08-02-93	<0.04	<0.03	<0.01	<0.009	<0.02	<0.007	<0.01	<0.009

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
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LOCAL IDENT- I- FIER	DATE	CARBO- FURAN	TER- BUFOS	PRON- AMIDE	DISUL- FOTON	TRIAL- LATE	PRO- PANIL	CAR- BARYL
		WATER	WATER	WATER	WATER	WATER	WATER	WATER
		FLTRD	FLTRD	FLTRD	FLTRD	FLTRD	FLTRD	FLTRD
		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
		GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(82674)	(82675)	(82676)	(82677)	(82678)	(82679)	(82680)

NEW LONDON COUNTY

FR 23	08-07-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
GS 93	08-10-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
PS 137	08-10-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05

TOLLAND COUNTY

CV 38	07-29-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
EL 133	08-14-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
SO 110	08-30-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05

WINDHAM COUNTY

PL 441	08-02-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05
PL 471	08-02-93	<0.01	<0.01	<0.009	<0.02	<0.004	<0.02	<0.05

LOCAL IDENT- I- FIER	DATE	THIO- BENCARB	DCPA	PENDI- METH- ALIN	NAPROP- AMIDE	PRO- PARGITE	METHYL AZIN- PHOS	PER- METHRIN CIS
		WATER	WATER	WAT FLT	FLTRD	FLTRD	WAT FLT	WAT FLT
		FLTRD	FLTRD	FLTRD	FLTRD	FLTRD	FLTRD	FLTRD
		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
		GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(82681)	(82682)	(82683)	(82684)	(82685)	(82686)	(82687)

NEW LONDON COUNTY

FR 23	08-07-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
GS 93	08-10-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
PS 137	08-10-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02

TOLLAND COUNTY

CV 38	07-29-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
EL 133	08-14-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
SO 110	08-30-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02

WINDHAM COUNTY

PL 441	08-02-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02
PL 471	08-02-93	<0.008	<0.005	<0.02	<0.01	<0.01	<0.08	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

[illegible]

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

					ETHANE,	BENZENE				BENZENE	BENZENE
LOCAL IDENT- I- FIER	DATE	1,1-DI-	1,1,1-	1,1,2-	1,1,2,2	O-	1,2-			1,2,4-	1,3-DI-
		CHLORO-	TRI-	TRI-	TETRA-	CHLORO-	1,2-DI-	TRANSDI	TRI-	CHLORO-	
		ETHYL-	CHLORO-	CHLORO-	CHLORO-	WATER	CHLORO-	CHLORO-	CHLORO-	WATER	
		ENE	ETHANE	ETHANE	WAT UNF	UNFLTRD	PROPANE	ETHENE	WAT UNF	UNFLTRD	
		TOTAL	TOTAL	TOTAL	REC	REC	TOTAL	TOTAL	REC	REC	
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
		(34501)	(34506)	(34511)	(34516)	(34536)	(34541)	(34546)	(34551)	(34566)	

FAIRFIELD COUNTY

E	32	09-02-93	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20
FF	29	08-06-93	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20

HARTFORD COUNTY

EW 140	08-31-93	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20
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WINDHAM COUNTY

PL 441	08-02-93	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20
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LOCAL IDENT- I- FIER	DATE	BENZENE	DI-						CIS-1,2	
		1,4-DI-	CHLORO-		TRANS-	CIS		TRI-	HEXA-	-DI-
		CHLORO-	DI-		1,3-DI-	1,3-DI-	VINYL	CHLORO-	CHLORO-	CHLORO-
		WATER	FLUORO-	NAPHTH-		CHLORO-	CHLO-	ETHYL-	BUT-	ETHENE
		UNFLTRD	METHANE	ALENE	PROPENE	PROPENE	RIDE	ENE	ADIENE	WATER
		REC	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
		(34571)	(34668)	(34696)	(34699)	(34704)	(39175)	(39180)	(39702)	(77093)

FAIRFIELD COUNTY

[illegible]

HARTFORD COUNTY

[illegible]

WINDHAM COUNTY

[illegible]

FAIRFIELD COUNTY

HARTFORD COUNTYWINDHAM COUNTY

LOCAL IDENT- I- FIER	DATE	O-	METHANE		BENZENE	BENZENE	P-ISO-	123-TRI	
		CHLORO-	TOLUENE	BROMO	BENZENE	SEC	TERT-	PROPYL-	CHLORO-
		TOLUENE	P-CHLOR	CHLORO-	N-BUTYL	BUTYL-	BUTYL-	TOLUENE	PROPANE
		WATER	WATER	WAT	WATER	WATER	WATER	WATER	WATER
		WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	WHOLE	WHOLE
		TOTAL	REC	REC	REC	REC	REC	TOTAL	
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
		(77275)	(77277)	(77297)	(77342)	(77350)	(77353)	(77356)	(77443)

FAIRFIELD COUNTY

HARTFORD COUNTYWINDHAM COUNTY[illegible]

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

			ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL ETHER TERT- BUTYL WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)
LOCAL IDENT- I- FIER		DATE								
FAIRFIELD COUNTY										
E	32	09-02-93	<0.2	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0
FF	29	08-06-93	<0.2	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0
HARTFORD COUNTY										
EW	140	08-31-93	<0.2	<0.20	1.4	<0.2	<0.2	<0.20	<0.2	<1.0
WINDHAM COUNTY										
PL	441	08-02-93	<0.2	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

Data collected during the 1994 water year are published here.

			DEPTH BELOW LAND	DEPTH OF				SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT (FEET) (72019)	(WATER LEVEL) (FEET) (72008)	WELL, TOTAL (FEET)	DATE	TIME			
FAIRFIELD COUNTY										
BT 50	412210073251501	112DFS	1.80	17.23	04-05-94		1410	549	--	7.50
DY 92	412306073264101	112DFS	2.31	15.37	06-27-94		1310	752	--	6.98
NT 104	412733073193601	112DFS	8.14	13.20	04-20-94		1020	99	--	6.60
HARTFORD COUNTY										
M 160	414624072283301	112DFS	19.5	31.00	09-02-94		1510	143	139	5.95
M 176	414616072310201	112DFS	35.85	89.95	01-18-94		1140	438	443	7.76
		112DFS	33.74	89.95	05-20-94		1040	441	448	7.65
		112DFS	--	89.95	08-29-94		1125	431	--	7.43
		112DFS	33.7	89.95	08-29-94		1130	431	425	7.43
M 177	414616072310202	112DFS	35.68	64.45	01-18-94		1255	438	425	7.43
		112DFS	33.6	64.45	05-20-94		1240	470	461	7.86
		112DFS	--	64.45	08-29-94		1325	436	--	7.34
		112DFS	33.95	64.45	08-29-94		1330	436	429	7.34
M 178	414616072310203	112DFS	35.85	44.28	01-18-94		1357	390	395	7.04
		112DFS	33.8	44.28	05-20-94		1405	425	416	7.47
		112DFS	--	44.28	08-29-94		1457	405	--	7.07
		112DFS	34.1	44.28	08-29-94		1500	405	396	7.07
M 179	414627072322601	112DFS	19.80	64.70	01-13-94		1047	270	271	7.88
		112DFS	21.5	64.70	06-15-94		1045	276	272	8.33
		112DFS	--	64.70	08-30-94		1015	272	--	8.25
		112DFS	19.4	64.70	08-30-94		1030	272	269	8.25
M 180	414627072322602	112DFS	19.67	45.00	01-13-94		1215	279	280	6.26
		112DFS	19.1	45.00	06-15-94		1300	308	301	6.45
		112DFS	--	45.00	08-30-94		1215	290	--	6.49
		112DFS	19.2	45.00	08-30-94		1230	290	294	6.49
M 181	414627072322603	112DFS	19.84	31.37	01-13-94		1330	343	341	5.63
		112DFS	19.3	31.37	06-15-94		1445	303	300	6.05
		112DFS	--	31.37	08-30-94		1350	340	--	6.07
		112DFS	19.4	31.37	08-30-94		1400	340	347	6.07
M 183	414706072332901	112DFS	7.31	60.30	01-11-94		1225	366	367	7.38
		112DFS	8.17	60.30	06-16-94		0940	340	361	7.77
		112DFS	--	60.30	09-01-94		1010	375	--	7.65
		112DFS	8.22	60.30	09-01-94		1015	375	371	7.65
M 184	414706072332902	112DFS	8.26	42.80	01-11-94		1325	406	412	7.33
		112DFS	8.16	42.80	06-16-94		1145	378	407	7.71
		112DFS	--	42.80	09-01-94		1130	406	--	7.54
		112DFS	8.16	42.80	09-01-94		1135	406	400	7.54
M 185	414706072332903	112DFS	8.16	23.65	01-11-94		1425	489	507	5.71
		112DFS	7.89	23.65	06-16-94		1330	422	459	6.04
		112DFS	--	23.65	09-01-94		1255	427	--	6.10
		112DFS	7.97	23.65	09-01-94		1300	472	475	6.10
M 186	414617072314801	112DFS	42.38	100.00	05-24-94		1045	372	381	7.8
		112DFS	--	100.00	08-31-94		1005	381	--	7.83
		112DFS	40.2	100.00	08-31-94		1010	381	372	7.83

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER		DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) AS C) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) AS C) (00301)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
			FAIRFIELD COUNTY								
BT	50	04-05-94	--	221	181	11.0	750	0.5	5	--	--
DY	92	06-27-94	0	469	384	11.0	750	1.10	10	--	--
NT	104	04-20-94	--	27	22	7.0	755	9.60	80	--	--
HARTFORD COUNTY											
M	160	09-02-94	0	6	5	10.5	761	11.2	101	0.4	0.010
M	176	01-18-94	0	176	144	11.5	--	--	--	0.9	0.020
		05-20-94	0	167	137	12.5	760	5.9	55	0.4	0.040
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	0	163	134	12.5	751	7.60	72	0.4	0.010
M	177	01-18-94	0	164	134	10.5	--	--	--	0.5	0.020
		05-20-94	0	175	143	13.0	758	8.20	78	0.3	0.020
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	0	166	136	12.5	751	7.5	71	0.3	0.030
M	178	01-18-94	0	129	106	9.5	--	--	--	0.6	0.020
		05-20-94	0	128	105	13.5	758	9.00	87	0.5	0.020
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	0	M118	97	12.5	751	9.60	92	0.5	0.010
M	179	01-13-94	0	77	63	11.0	--	7.2	--	2.7	0.050
		06-15-94	0	72	59	13.5	763	6.90	66	0.8	0.090
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	0	69	57	13.0	759	6.60	63	0.3	0.030
M	180	01-13-94	0	50	41	12.5	--	8.4	--	0.6	0.020
		06-15-94	0	52	43	13.5	764	8.50	81	0.3	<0.010
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	0	50	41	12.5	760	8.60	81	0.5	<0.010
M	181	01-13-94	E0	39	32	12.5	--	7.3	--	0.9	0.020
		06-15-94	0	36	30	13.0	764	7.50	71	0.4	0.010
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	0	37	30	12.5	760	7.50	71	0.4	<0.010
M	183	01-11-94	0	125	102	11.0	--	--	--	2.3	0.010
		06-16-94	0	123	101	11.5	765	4.70	43	0.4	0.020
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	0	132	108	12.5	760	5.30	50	0.3	<0.010
M	184	01-11-94	E0	156	128	11.0	--	--	--	0.6	0.010
		06-16-94	0	154	126	12.0	765	3.90	36	0.3	<0.010
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	0	147	120	12.0	760	2.30	21	0.3	<0.010
M	185	01-11-94	0	198	162	11.0	--	--	--	4.9	0.020
		06-16-94	0	157	129	12.0	765	0.700	6	3.7	0.010
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	0	159	130	12.5	760	0.600	6	3.7	0.020
M	186	05-24-94	0	140	115	12.0	751	9.2	86	0.7	<0.010
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	0	136	111	12.0	758	9.20	86	0.3	<0.010

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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LOCAL IDENT- I- FIER		DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
FAIRFIELD COUNTY											
BT	50	04-05-94	--	--	--	--	--	--	--	--	--
DY	92	06-27-94	--	--	--	--	--	--	--	--	--
NT	104	04-20-94	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY											
M	160	09-02-94	<0.010	<0.20	0.720	0.030	0.020	18	4.6	1.5	17
M	176	01-18-94	<0.010	<0.20	3.70	0.020	0.010	170	61	5.2	17
		05-20-94	<0.010	<0.20	3.90	0.030	<0.010	180	63	5.5	18
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.010	<0.20	3.70	<0.010	<0.010	170	58	5.2	18
M	177	01-18-94	<0.010	<0.20	4.00	<0.010	0.010	170	60	5.3	18
		05-20-94	<0.010	<0.20	4.00	<0.010	0.010	190	67	5.8	18
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.010	<0.20	4.20	<0.010	<0.010	170	59	5.3	17
M	178	01-18-94	<0.010	<0.20	3.50	0.030	0.020	150	50	5.0	17
		05-20-94	<0.010	<0.20	3.70	0.010	0.010	160	55	5.7	20
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.010	<0.20	3.8	<0.010	<0.010	140	47	5.3	20
M	179	01-13-94	0.020	<0.20	4.10	0.020	0.010	97	34	2.9	10
		06-15-94	<0.010	<0.20	3.90	0.030	0.030	99	35	2.8	7.8
		08-30-94	--	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.010	<0.20	4.20	0.010	0.010	100	36	2.8	8.0
		01-13-94	<0.010	<0.20	4.00	0.010	0.010	79	26	3.3	19
		06-15-94	<0.010	<0.20	3.70	0.020	<0.010	87	29	3.5	20
		08-30-94	--	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.010	<0.20	4.00	<0.010	<0.010	84	28	3.4	20
		01-13-94	0.010	<0.20	4.00	0.040	0.020	68	21	3.8	33
		06-15-94	<0.010	<0.20	4.10	0.010	0.010	71	22	3.9	32
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	<0.010	<0.20	4.40	0.010	0.010	71	22	4.0	34
M	183	01-11-94	0.040	<0.20	3.30	0.020	0.010	150	51	5.5	13
		06-16-94	<0.010	<0.20	3.40	<0.010	<0.010	140	49	4.7	12
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.010	<0.20	3.60	<0.010	<0.010	150	51	4.8	13
M	184	01-11-94	<0.010	<0.20	2.80	0.030	0.010	130	44	5.4	13
		06-16-94	<0.010	<0.20	2.80	<0.010	<0.010	160	52	6.5	16
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.010	<0.20	2.90	<0.010	<0.010	160	52	6.5	16
M	185	01-11-94	<0.010	<0.20	<0.050	0.030	0.030	180	59	8.1	29
		06-16-94	<0.010	<0.20	0.071	0.020	0.020	160	51	6.8	26
		09-01-94	--	--	--	--	--	--	--	--	--
M	186	09-01-94	<0.010	<0.20	0.051	0.030	0.030	170	56	7.2	28
		05-24-94	<0.010	<0.20	2.10	<0.010	0.010	140	50	4.8	18
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.010	<0.20	2.00	<0.010	<0.010	140	49	4.7	17

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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		LOCAL IDENT- I- FIER	DATE	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	IRON, DIS- SOLVED (UG/L) AS FE (01046)
FAIRFIELD COUNTY												
BT	50		04-05-94	--	--	--	--	--	--	--	--	--
DY	92		06-27-94	--	--	--	--	--	--	--	--	--
NT	104		04-20-94	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY												
M	160		09-02-94	2	66	76	1.0	27	9.4	<0.10	8.9	18
M	176		01-18-94	0.6	17	247	1.2	25	18	<0.10	16	890
			05-20-94	0.6	18	258	0.90	32	23	<0.10	16	<3
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	0.6	19	246	0.80	32	19	<0.10	16	9
M	177		01-18-94	0.6	18	247	1.1	31	18	<0.10	15	99
			05-20-94	0.6	17	266	1.1	35	19	<0.10	16	<3
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	0.6	18	247	1.0	30	19	<0.10	15	9
M	178		01-18-94	0.6	20	218	1.1	32	19	<0.10	15	24
			05-20-94	0.7	21	238	1.1	41	21	<0.10	15	14
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	0.7	24	223	1.0	39	21	<0.10	15	35
M	179		01-13-94	0.4	18	157	3.6	24	12	0.10	14	48
			06-15-94	0.3	14	154	2.9	26	12	<0.10	14	<3
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	0.3	14	156	2.1	27	12	<0.10	15	16
M	180		01-13-94	0.9	34	156	1.0	35	15	<0.10	14	14
			06-15-94	0.9	33	168	1.0	43	16	<0.10	14	<3
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	1	34	165	0.80	41	15	<0.10	14	6
M	181		01-13-94	2	51	183	1.6	59	16	<0.10	12	7
			06-15-94	2	49	183	1.5	59	17	<0.10	12	6
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	2	50	189	1.4	60	18	<0.10	12	11
M	183		01-11-94	0.5	16	214	1.2	27	22	<0.10	17	680
			06-16-94	0.4	15	205	0.70	26	22	<0.10	15	5
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	0.5	16	216	0.80	28	22	<0.10	15	6
M	184		01-11-94	0.5	18	219	0.90	27	24	<0.10	15	3
			06-16-94	0.6	18	235	0.80	28	25	<0.10	18	12
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	0.6	18	229	0.70	27	24	<0.10	18	13
M	185		01-11-94	0.9	26	290	1.0	44	23	<0.10	27	31
			06-16-94	0.9	27	259	0.70	46	29	<0.10	22	15
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	0.9	26	268	1.6	45	29	<0.10	22	9
M	186		05-24-94	0.7	21	214	1.3	31	17	<0.10	14	6
			08-31-94	--	--	--	--	--	--	--	--	--
			08-31-94	0.6	21	210	1.1	30	17	<0.10	15	<3

QUALITY OF GROUND WATER
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			MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)
LOCAL IDENT- I- FIER		DATE									
FAIRFIELD COUNTY											
BT	50	04-05-94	--	--	--	<0.2	<0.2	0.7	<0.2	<0.2	1.1
DY	92	06-27-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NT	104	04-20-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HARTFORD COUNTY											
M	160	09-02-94	4	82	<0.010	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	176	01-18-94	96	260	0.060	--	--	--	--	--	--
		05-20-94	3	260	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	1.1
		08-29-94	2	--	--	--	--	--	--	--	--
		08-29-94	1	242	0.070	<0.2	<0.2	<0.2	<0.2	<0.2	1.1
M	177	01-18-94	4	238	0.070	--	--	--	--	--	--
		05-20-94	<1	278	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	0.8
		08-29-94	<1	--	--	--	--	--	--	--	--
		08-29-94	<1	248	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	0.7
M	178	01-18-94	14	213	0.050	--	--	--	--	--	--
		05-20-94	2	250	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	0.5
		08-29-94	2	--	--	--	--	--	--	--	--
		08-29-94	2	234	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	0.4
M	179	01-13-94	150	152	0.060	--	--	--	--	--	--
		06-15-94	82	176	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
		08-30-94	54	--	--	--	--	--	--	--	--
		08-30-94	55	170	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
M	180	01-13-94	2	164	0.040	--	--	--	--	--	--
		06-15-94	<1	198	0.030	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
		08-30-94	<1	--	--	--	--	--	--	--	--
		08-30-94	<1	168	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
M	181	01-13-94	5	193	0.060	--	--	--	--	--	--
		06-15-94	3	200	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-30-94	4	--	--	--	--	--	--	--	--
		08-30-94	4	204	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	183	01-11-94	320	245	0.10	--	--	--	--	--	--
		06-16-94	68	208	0.070	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
		09-01-94	14	--	--	--	--	--	--	--	--
		09-01-94	15	202	0.070	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
M	184	01-11-94	26	236	0.090	--	--	--	--	--	--
		06-16-94	7	246	0.080	<0.2	<0.2	<0.2	<0.2	<0.2	0.3
		09-01-94	<1	--	--	--	--	--	--	--	--
		09-01-94	2	236	0.080	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	185	01-11-94	1000	299	0.41	--	--	--	--	--	--
		06-16-94	170	264	0.12	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-01-94	190	--	--	--	--	--	--	--	--
		09-01-94	220	270	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	186	05-24-94	<1	234	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-31-94	<1	--	--	--	--	--	--	--	--
		08-31-94	<1	212	0.030	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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LOCAL IDENT- I- FIER		DATE	METHYL- ENE TETRA- CHLORO- TRI- CHLO- ETHYL- CHLORO- RIDE ENE FLUORO- TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL								
			TOLUENE (UG/L) (34010)	BENZENE (UG/L) (34030)	CHLORO- BENZENE (UG/L) (34301)	CHLORO- ETHANE (UG/L) (34311)	ETHYL- BENZENE (UG/L) (34371)	METHYL- BROMIDE (UG/L) (34413)	METHYL- CHLO- RIDE (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE (UG/L) (34475)	TRI- CHLORO- FLUORO- METHANE (UG/L) (34488)
FAIRFIELD COUNTY											
BT	50	04-05-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
DY	92	06-27-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NT	104	04-20-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HARTFORD COUNTY											
M	160	09-02-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	176	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	177	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	178	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
M	179	01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-30-94	--	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-30-94	--	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	183	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	184	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	185	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	186	05-24-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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		LOCAL IDENT- I- FIER	DATE	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	BENZENE O- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,2- TRANSDI CHLORO- ETHENE TOTAL (UG/L) (34546)	1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)
FAIRFIELD COUNTY												
BT	50		04-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
DY	92		06-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
NT	104		04-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
HARTFORD COUNTY												
M	160		09-02-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	176		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	177		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	178		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	179		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	180		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	181		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	183		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	184		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	185		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	0.3	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
M	186		05-24-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
			08-31-94	--	--	--	--	--	--	--	--	--
			08-31-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20

QUALITY OF GROUND WATER
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LOCAL IDENT- I- FIER	DATE	BENZENE	BENZENE	DI-	NAPHTH- ALENE TOTAL (UG/L) (34696)	TRANS-	CIS	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	TRI-	HEXA-
		1,3-DI-	1,4-DI-	CHLORO-		1,3-DI-	1,3-DI-		CHLORO-	CHLORO-
		CHLORO-	CHLORO-	DI-		CHLORO-	CHLORO-		ETHYL-	BUT-
		WATER	WATER	FLUORO-		CHLORO-	CHLORO-		ENE	ADIENE
UNFLTRD	UNFLTRD	METHANE	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
REC	REC	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
(34566)	(34571)	(34668)	(34696)	(34699)	(34704)	(39175)	(39180)	(39702)		
FAIRFIELD COUNTY										
BT 50	04-05-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	4.2	<0.2
DY 92	06-27-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NT 104	04-20-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HARTFORD COUNTY										
M 160	09-02-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 176	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	1.9	<0.2
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	2.0	<0.2
M 177	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 178	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 179	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-30-94	--	--	--	--	--	--	--	--	--
M 180	08-30-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-30-94	--	--	--	--	--	--	--	--	--
M 181	08-30-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-30-94	--	--	--	--	--	--	--	--	--
	08-30-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 183	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	11	<0.2
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	9.3	<0.2
M 184	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	1.8	<0.2
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	1.7	<0.2
M 185	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	<0.20	<0.20	0.7	<0.2	<0.2	<0.2	<0.2	0.4	<0.2
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	<0.20	<0.20	0.6	<0.2	<0.2	<0.2	<0.2	0.5	<0.2
M 186	05-24-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	CIS-1,2		1,1-DI	2,2-DI	1,3-DI-	PSEUDO-	ISO-		
		-DI-		CHLORO-	CHLORO-	CHLORO-	CUMENE	PROPYL-	BENZENE	MESIT-
		CHLORO-		PRO-	PRO-	CHLORO-	WATER	BENZENE	N-PROPY	YLENE
		ETHENE	STYRENE	PENE, WH	PANE WH	PROPANE WH	UNFLTRD	WATER	WATER	WATER
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC	WHOLE	UNFLTRD	UNFLTRD
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(77093)	(77128)	(77168)	(77170)	(77173)	(77222)	(77223)	(77224)	(77226)
FAIRFIELD COUNTY										
BT 50	04-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
DY 92	06-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
NT 104	04-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
HARTFORD COUNTY										
M 160	09-02-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 176	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 177	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 178	01-18-94	--	--	--	--	--	--	--	--	--
	05-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-29-94	--	--	--	--	--	--	--	--	--
	08-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 179	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-30-94	--	--	--	--	--	--	--	--	--
M 180	08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-30-94	--	--	--	--	--	--	--	--	--
M 181	08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	01-13-94	--	--	--	--	--	--	--	--	--
	06-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-30-94	--	--	--	--	--	--	--	--	--
	08-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 183	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	1.0	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	0.3	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 184	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	1.7	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	1.1	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 185	01-11-94	--	--	--	--	--	--	--	--	--
	06-16-94	0.3	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	09-01-94	--	--	--	--	--	--	--	--	--
	09-01-94	0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 186	05-24-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER		DATE	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL ETHER TERT- BUTYL WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)
			FAIRFIELD COUNTY								
BT	50	04-05-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
DY	92	06-27-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
NT	104	04-20-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
HARTFORD COUNTY											
M	160	09-02-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	176	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.20	<0.2	<0.2	0.4	<0.20	<0.2	<1.0	<0.02	<0.008
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.20	<0.2	<0.2	0.3	<0.20	<0.2	<1.0	<0.02	<0.008
M	177	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.20	<0.2	<0.2	0.4	<0.20	<0.2	<1.0	<0.02	<0.008
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	178	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	179	01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		08-30-94	--	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.20	<0.2	<0.2	0.7	<0.20	<0.2	<1.0	<0.02	<0.008
		08-30-94	--	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.20	<0.2	<0.2	0.6	<0.20	<0.2	<1.0	<0.02	<0.008
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.20	<0.2	<0.2	0.8	<0.20	<0.2	<1.0	<0.02	<0.008
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	<0.20	<0.2	<0.2	0.7	<0.20	<0.2	<1.0	<0.02	<0.008
M	183	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	184	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	185	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		09-01-94	--	--	--	--	--	--	--	--	--
M	186	09-01-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		05-24-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008

QUALITY OF GROUND WATER
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		DEETHYL								
LOCAL IDENT- I- FIER		SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
		DATE								
FAIRFIELD COUNTY										
BT	50	04-05-94	--	--	--	--	--	--	--	--
DY	92	06-27-94	--	--	--	--	--	--	--	--
NT	104	04-20-94	--	--	--	--	--	--	--	--
HARTFORD COUNTY										
M	160	09-02-94	0.13	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	176	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	177	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	178	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	179	01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-30-94	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-30-94	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-30-94	--	--	--	--	--	--	--	--
		08-30-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	183	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		09-01-94	--	--	--	--	--	--	--	--
		09-01-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	184	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		09-01-94	--	--	--	--	--	--	--	--
		09-01-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
M	185	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	E0.006	<0.008	<0.005	<0.01	<0.008	<0.007	E0.001	<0.008
		09-01-94	--	--	--	--	--	--	--	--
M	186	09-01-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		05-24-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008
		08-31-94	--	--	--	--	--	--	--	--
		08-31-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

		LOCAL IDENT- I- FIER	DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)
FAIRFIELD COUNTY												
BT	50		04-05-94	--	--	--	--	--	--	--	--	--
DY	92		06-27-94	--	--	--	--	--	--	--	--	--
NT	104		04-20-94	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY												
M	160		09-02-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	176		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	177		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	178		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	179		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-30-94	--	--	--	--	--	--	--	--	--
M	180		08-30-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-30-94	--	--	--	--	--	--	--	--	--
M	181		08-30-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	183		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	184		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	185		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M	186		05-24-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
			08-31-94	--	--	--	--	--	--	--	--	--
			08-31-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

			DIMETH- OATE WATER FLTRD 0.7 U GG, REC (UG/L) (82662)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
LOCAL IDENT- I- FIER		DATE									
FAIRFIELD COUNTY											
BT	50	04-05-94	--	--	--	--	--	--	--	--	--
DY	92	06-27-94	--	--	--	--	--	--	--	--	--
NT	104	04-20-94	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY											
M	160	09-02-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	176	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	177	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	178	01-18-94	--	--	--	--	--	--	--	--	--
		05-20-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-29-94	--	--	--	--	--	--	--	--	--
		08-29-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	179	01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-30-94	--	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-30-94	--	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		01-13-94	--	--	--	--	--	--	--	--	--
		06-15-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-30-94	--	--	--	--	--	--	--	--	--
		08-30-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	183	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	184	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	185	01-11-94	--	--	--	--	--	--	--	--	--
		06-16-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		09-01-94	--	--	--	--	--	--	--	--	--
		09-01-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	186	05-24-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

		LOCAL IDENT- I- FIER	DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
FAIRFIELD COUNTY												
BT	50		04-05-94	--	--	--	--	--	--	--	--	--
DY	92		06-27-94	--	--	--	--	--	--	--	--	--
NT	104		04-20-94	--	--	--	--	--	--	--	--	--
HARTFORD COUNTY												
M	160		09-02-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	176		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	177		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	178		01-18-94	--	--	--	--	--	--	--	--	--
			05-20-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-29-94	--	--	--	--	--	--	--	--	--
			08-29-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	179		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	180		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	181		01-13-94	--	--	--	--	--	--	--	--	--
			06-15-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-30-94	--	--	--	--	--	--	--	--	--
			08-30-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	183		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	184		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	185		01-11-94	--	--	--	--	--	--	--	--	--
			06-16-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			09-01-94	--	--	--	--	--	--	--	--	--
			09-01-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	186		05-24-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
			08-31-94	--	--	--	--	--	--	--	--	--
			08-31-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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			CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
LOCAL IDENT- I- FIER		DATE								
FAIRFIELD COUNTY										
BT	50	04-05-94	--	--	--	--	--	--	--	--
DY	92	06-27-94	--	--	--	--	--	--	--	--
NT	104	04-20-94	--	--	--	--	--	--	--	--
HARTFORD COUNTY										
M	160	09-02-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	176	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	177	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	178	01-18-94	--	--	--	--	--	--	--	--
		05-20-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-29-94	--	--	--	--	--	--	--	--
		08-29-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	179	01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-30-94	--	--	--	--	--	--	--	--
M	180	08-30-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-30-94	--	--	--	--	--	--	--	--
M	181	08-30-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		01-13-94	--	--	--	--	--	--	--	--
		06-15-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-30-94	--	--	--	--	--	--	--	--
		08-30-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	183	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		09-01-94	--	--	--	--	--	--	--	--
		09-01-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	184	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		09-01-94	--	--	--	--	--	--	--	--
		09-01-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	185	01-11-94	--	--	--	--	--	--	--	--
		06-16-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		09-01-94	--	--	--	--	--	--	--	--
		09-01-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
M	186	05-24-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
		08-31-94	--	--	--	--	--	--	--	--
		08-31-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF TOTAL WELL, (FEET) (72008)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
HARTFORD COUNTY										
M 187	414617072314802	112DFS	39.4	76.57	06-08-94	1055	333	401	7.93	
		112DFS	--	76.57	08-31-94	1150	406	--	7.78	
		112DFS	--	76.57	08-31-94	1155	406	395	7.78	
M 188	414617072314803	112DFS	39.7	54.42	06-08-94	1325	454	436	7.81	
		112DFS	39.59	54.42	06-21-94	0910	419	--	7.87	
		112DFS	--	54.42	08-31-94	1315	440	--	7.65	
		112DFS	39.7	54.42	08-31-94	1320	440	430	7.65	
M 189	414605072302101	112DFS	19.2	31.02	05-18-94	1040	329	324	6.23	
		112DFS	--	31.02	09-03-94	1020	280	--	6.55	
		112DFS	26.4	31.02	09-03-94	1025	280	284	6.55	
M 190	414557072320301	112DFS	34.5	49.88	06-14-94	1110	337	350	7.79	
M 191	414708072332201	112DFS	--	--	07-22-94	1235	482	535	6.95	
		110ALVM	--	--	09-01-94	1445	567	587	7.45	
S 387	413536072525301	112DFS	7.55	15.20	07-01-94	1250	245	--	6.72	
		112DFS	9.30	15.20	09-15-94	1030	249	--	6.7	
EF 125	415837072305501	112DFS	4.62	25.80	05-05-94	1320	110	--	5.65	
EF 126	415924072304401	112DFS	6.79	11.60	06-23-94	0930	382	--	6.42	
EW 139	415300072311601	112DFS	2.95	28.40	05-05-94	1025	282	--	5.91	
SI 456	415105072482201	112DFS	6.80	13.09	06-22-94	1100	136	--	6.36	
WH 142	414435072461201	112DFS	7.40	12.02	06-22-94	1520	253	--	6.78	
LITCHFIELD COUNTY										
CRN 27	415209073173101	112DFS	5.32	12.90	06-30-94	1310	298	--	6.84	
NMI 32	413354073253901	112DFS	20.75	28.75	06-30-94	1035	698	--	7.5	
NMI 38	413434073245301	112DFS	5.80	19.60	04-05-94	1145	1050	--	6.61	
NOC 38	420246073184201	110ALVM	--	--	09-07-94	1640	490	510	6.88	
NOC 39	420214073175401	110ALVM	--	--	09-07-94	1400	500	490	6.60	
MIDDLESEX COUNTY										
P 112	413731072373403	112DFS	9.72	14.15	06-23-94	1320	62	--	5.64	
P 117	413427072355501	112DFS	13.6	28.93	07-29-94	1415	102	94	6.65	
HD 472	412643072314301	112DFS	14.7	18.27	07-01-94	0945	32	--	5.35	
MT 394	413044072375701	112DFS	3.15	13.05	06-24-94	1310	450	--	7.66	
NEW HAVEN COUNTY										
CS 206	413031072513401	112DFS	8.42	22.15	04-20-94	1326	192	--	8.59	
HM 451	412730072551401	112DFS	9.00	10.05	10-07-93	1045	104	100	6.27	
HM 453	412328072533801	112DFS	38.5	49.36	07-29-94	1100	325	327	6.83	
ME 218	413239072472701	112DFS	4.94	24.93	07-28-94	1042	461	464	7.13	
ME 219	413114072495401	112DFS	12.5	28.61	07-28-94	1330	285	272	6.89	
MI 315	411314073033501	112DFS	12.95	20.90	02-07-94	1220	298	--	6.06	
WLD 279	412722072495701	112DFS	9.62	23.57	08-05-94	1100	330	336	7.59	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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LOCAL IDENT- I- FIER	DATE	CAR- BONATE DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
HARTFORD COUNTY										
M 187	06-08-94	0	133	109	12.0	752	7.70	72	0.3	<0.010
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	0	126	103	12.0	760	2.40	22	0.4	0.010
M 188	06-08-94	0	151	124	12.0	752	8.80	83	0.3	<0.010
	06-21-94	--	--	--	12.0	755	9.3	87	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	0	148	121	12.0	762	8.30	77	0.5	0.010
M 189	05-18-94	0	55	45	11.5	749	8.30	78	24	0.050
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	0	M55	45	11.5	760	8.40	77	0.4	<0.010
M 190	06-14-94	0	178	146	12.5	757	8.80	83	11	0.040
M 191	07-22-94	0	185	152	13.0	760	6.00	57	0.6	0.020
	09-01-94	0	184	151	15.5	--	--	--	0.7	<0.010
S 387	07-01-94	0	108	89	10.5	759	0.900	8	--	--
	09-15-94	--	108	89	E12.5	760	0.5	5	--	--
EF 125	05-05-94	--	7	6	10.5	750	10.1	92	--	--
EF 126	06-23-94	0	55	45	11.0	752	8.90	82	--	--
EW 139	05-05-94	--	35	29	8.5	752	8.00	69	--	--
SI 456	06-22-94	0	10	8	9.5	752	10.5	93	--	--
WH 142	06-22-94	0	101	83	10.0	752	6.80	61	--	--
LITCHFIELD COUNTY										
CRN 27	06-30-94	0	187	153	9.0	733	2.2	20	--	--
NMI 32	06-30-94	0	304	249	10.5	750	2.4	22	--	--
NMI 38	04-05-94	--	--	--	8.5	755	1.7	15	--	--
NOC 38	09-07-94	E0	305	250	14.0	740	1.30	13	1.1	0.030
NOC 39	09-07-94	0	192	157	13.5	740	0.700	7	2.4	0.260
MIDDLESEX COUNTY										
P 112	06-23-94	E0	13	11	9.5	758	7.20	63	--	--
P 117	07-29-94	0	33	27	10.0	765	11.6	103	0.4	0.020
HD 472	07-01-94	0	4	3	8.0	752	11.6	99	--	--
MT 394	06-24-94	0	156	128	10.5	752	6.50	59	--	--
NEW HAVEN COUNTY										
CS 206	04-20-94	--	89	73	8.5	755	10.2	88	--	--
HM 451	10-07-93	0	21	17	--	--	--	--	--	0.030
HM 453	07-29-94	0	91	75	11.5	764	8.80	81	0.3	0.030
ME 218	07-28-94	0	120	98	12.0	755	7.30	68	0.5	<0.010
ME 219	07-28-94	0	97	80	13.0	757	2.60	25	1.5	<0.010
MI 315	02-07-94	0	60	49	10.5	765	4.3	38	--	--
WLD 279	08-05-94	0	176	144	12.5	757	1.00	9	0.9	0.040

QUALITY OF GROUND WATER
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			NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, AM- ONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
LOCAL IDENT- I- FIER	DATE										
HARTFORD COUNTY											
M 187	06-08-94	<0.010	<0.20	2.30	<0.010	<0.010	150	51	5.2	17	
	08-31-94	--	--	--	--	--	--	--	--	--	
	08-31-94	<0.010	<0.20	2.30	<0.010	<0.010	150	52	5.2	17	
M 188	06-08-94	<0.010	<0.20	2.60	0.010	<0.010	160	55	5.3	23	
	06-21-94	--	--	--	--	--	--	--	--	--	
	08-31-94	--	--	--	--	--	--	--	--	--	
	08-31-94	<0.010	<0.20	2.70	<0.010	<0.010	160	56	5.3	22	
M 189	05-18-94	0.030	<0.20	2.80	<0.010	0.010	83	28	3.1	27	
	09-03-94	--	--	--	--	--	--	--	--	--	
	09-03-94	<0.010	<0.20	2.50	0.020	0.010	75	25	3.0	21	
M 190	06-14-94	<0.010	<0.20	0.480	<0.010	<0.010	160	54	5.4	9.5	
M 191	07-22-94	<0.010	<0.20	3.00	<0.010	<0.010	190	63	8.8	32	
	09-01-94	<0.010	<0.20	2.80	<0.010	<0.010	220	71	9.5	34	
S 387	07-01-94	--	--	--	--	--	--	--	--	--	
	09-15-94	--	--	--	--	--	--	--	--	--	
EF 125	05-05-94	--	--	--	--	--	--	--	--	--	
EF 126	06-23-94	--	--	--	--	--	--	--	--	--	
EW 139	05-05-94	--	--	--	--	--	--	--	--	--	
SI 456	06-22-94	--	--	--	--	--	--	--	--	--	
WH 142	06-22-94	--	--	--	--	--	--	--	--	--	
LITCHFIELD COUNTY											
CRN 27	06-30-94	--	--	--	--	--	--	--	--	--	
NMI 32	06-30-94	--	--	--	--	--	--	--	--	--	
NMI 38	04-05-94	--	--	--	--	--	--	--	--	--	
NOC 38	09-07-94	0.030	<0.20	1.10	<0.010	<0.010	270	59	29	3.5	
NOC 39	09-07-94	<0.010	0.30	<0.050	<0.010	0.020	240	54	25	6.1	
MIDDLESEX COUNTY											
P 112	06-23-94	--	--	--	--	--	--	--	--	--	
P 117	07-29-94	<0.010	<0.20	0.098	0.030	0.020	31	8.4	2.4	5.1	
HD 472	07-01-94	--	--	--	--	--	--	--	--	--	
MT 394	06-24-94	--	--	--	--	--	--	--	--	--	
NEW HAVEN COUNTY											
CS 206	04-20-94	--	--	--	--	--	--	--	--	--	
HM 451	10-07-93	<0.010	<0.20	0.280	<0.010	0.020	26	7.9	1.6	4.2	
HM 453	07-29-94	<0.010	<0.20	2.40	0.010	<0.010	110	38	4.3	13	
ME 218	07-28-94	<0.010	<0.20	3.80	0.020	0.020	170	48	12	17	
ME 219	07-28-94	<0.010	<0.20	<0.050	0.020	<0.010	83	26	4.3	19	
MI 315	02-07-94	--	--	--	--	--	--	--	--	--	
WLD 279	08-05-94	<0.010	<0.20	0.200	<0.010	0.010	130	42	7.3	16	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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LOCAL IDENT- I- FIER	DATE	SODIUM AD- SORP- TION RATIO (00931)	SODIUM PERCENT (00932)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	IRON, DIS- SOLVED (UG/L) AS FE (01046)
HARTFORD COUNTY										
M 187	06-08-94	0.6	20	224	1.0	38	20	<0.10	16	<3
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	0.6	20	221	1.0	38	20	<0.10	16	16
M 188	06-08-94	0.8	24	248	1.4	40	21	<0.10	16	<3
	06-21-94	--	--	--	--	--	--	--	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	0.8	23	244	1.4	39	20	<0.10	16	5
M 189	05-18-94	1	41	178	1.6	49	18	<0.10	12	<3
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	1	38	156	0.60	47	15	<0.10	14	20
M 190	06-14-94	0.3	12	204	1.6	9.8	14	<0.10	20	8
M 191	07-22-94	1	26	304	1.1	47	26	<0.10	22	15
	09-01-94	1	25	326	0.90	62	25	<0.10	21	8
S 387	07-01-94	--	--	--	--	--	--	--	--	--
	09-15-94	--	--	--	--	--	--	--	--	--
EF 125	05-05-94	--	--	--	--	--	--	--	--	--
EF 126	06-23-94	--	--	--	--	--	--	--	--	--
EW 139	05-05-94	--	--	--	--	--	--	--	--	--
SI 456	06-22-94	--	--	--	--	--	--	--	--	--
WH 142	06-22-94	--	--	--	--	--	--	--	--	--

LITCHFIELD COUNTY

CRN 27	06-30-94	--	--	--	--	--	--	--	--	--
NMI 32	06-30-94	--	--	--	--	--	--	--	--	--
NMI 38	04-05-94	--	--	--	--	--	--	--	--	--
NOC 38	09-07-94	0.1	3	280	0.40	9.1	17	<0.10	6.6	14
NOC 39	09-07-94	0.2	5	317	1.9	18	98	<0.10	7.2	11000

MIDDLESEX COUNTY

P 112	06-23-94	--	--	--	--	--	--	--	--	--
P 117	07-29-94	0.4	26	63	0.60	3.9	13	<0.10	13	6
HD 472	07-01-94	--	--	--	--	--	--	--	--	--
MT 394	06-24-94	--	--	--	--	--	--	--	--	--

NEW HAVEN COUNTY

CS 206	04-20-94	--	--	--	--	--	--	--	--	--
HM 451	10-07-93	0.4	25	57	0.80	1.9	11	0.10	17	22
HM 453	07-29-94	0.5	20	181	0.70	38	14	<0.10	18	12
ME 218	07-28-94	0.6	18	254	1.6	62	19	<0.10	18	4
ME 219	07-28-94	0.9	33	153	1.6	29	12	<0.10	11	6
WI 315	02-07-94	--	--	--	--	--	--	--	--	--
WLD 279	08-05-94	0.6	20	192	2.1	5.8	21	0.10	9.8	14

QUALITY OF GROUND WATER
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		SOLIDS, RESIDUE			DI- BROMO- METHANE		DI- CHLORO- BROMO- METHANE		CARBON- TETRA- CHLO- RIDE		CHLORO- DI- BROMO- METHANE		CHLORO- FORM		
LOCAL IDENT- I- FIER	DATE	NESE, DIS- SOLVED (UG/L AS MN) (01056)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	WATER WHOLE RECOVER (UG/L) (30217)	TOTAL (UG/L) (32101)	TOTAL (UG/L) (32102)	TOTAL (UG/L) (32104)	TOTAL (UG/L) (32105)	TOTAL (UG/L) (32106)					
HARTFORD COUNTY															
M 187	06-08-94	6	236	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
	08-31-94	<1	--	--	--	--	--	--	--	--					
	08-31-94	1	222	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
M 188	06-08-94	<1	262	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
	06-21-94	--	--	--	--	--	--	--	--	--					
	08-31-94	<1	--	--	--	--	--	--	--	--					
	08-31-94	<1	252	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
M 189	05-18-94	61	186	0.030	<0.2	0.8	<0.2	<0.2	<0.2	<0.2	13				
	09-03-94	3	--	--	--	--	--	--	--	--					
	09-03-94	3	156	0.020	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.8				
M 190	06-14-94	410	214	0.020	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
M 191	07-22-94	1	298	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2				
	09-01-94	<1	338	0.22	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2				
S 387	07-01-94	--	--	--	--	--	--	--	--	--					
	09-15-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
EF 125	05-05-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
EF 126	06-23-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2				
EW 139	05-05-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
SI 456	06-22-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
WH 142	06-22-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
LITCHFIELD COUNTY															
CRN 27	06-30-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
NMI 32	06-30-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
NMI 38	04-05-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
NOC 38	09-07-94	20	292	0.030	--	--	--	--	--	--					
NOC 39	09-07-94	470	298	0.050	--	--	--	--	--	--					
MIDDLESEX COUNTY															
P 112	06-23-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
P 117	07-29-94	5	46	0.020	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	2.6				
HD 472	07-01-94	--	--	--	--	--	--	--	--	--					
MT 394	06-24-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
NEW HAVEN COUNTY															
CS 206	04-20-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
HM 451	10-07-93	490	51	0.020	--	--	--	--	--	--					
HM 453	07-29-94	1	190	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5				
ME 218	07-28-94	17	280	0.060	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4				
ME 219	07-28-94	2500	158	0.050	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2					
MI 315	02-07-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.9				
WLD 279	08-05-94	240	200	0.020	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.9				

QUALITY OF GROUND WATER
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LOCAL IDENT- I- FIER	DATE	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- ETHANE TOTAL (UG/L) (34311)	ETHYL- BENZENE TOTAL (UG/L) (34371)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)
HARTFORD COUNTY										
M 187	06-08-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 188	06-08-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	06-21-94	--	--	--	--	--	--	--	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 189	05-18-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 190	06-14-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M 191	07-22-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	09-01-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
S 387	07-01-94	--	--	--	--	--	--	--	--	--
	09-15-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EF 125	05-05-94	1.5	0.6	<0.20	<0.2	<0.2	<0.2	2.8	<0.2	<0.2
EF 126	06-23-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EW 139	05-05-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SI 456	06-22-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WH 142	06-22-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
LITCHFIELD COUNTY										
CRN 27	06-30-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NMI 32	06-30-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NMI 38	04-05-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	130	<0.2
NOC 38	09-07-94	--	--	--	--	--	--	--	--	--
NOC 39	09-07-94	--	--	--	--	--	--	--	--	--
MIDDLESEX COUNTY										
P 112	06-23-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P 117	07-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HD 472	07-01-94	--	--	--	--	--	--	--	--	--
MT 394	06-24-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NEW HAVEN COUNTY										
CS 206	04-20-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HM 451	10-07-93	--	--	--	--	--	--	--	--	--
HM 453	07-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	3.4	<0.2
ME 218	07-28-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ME 219	07-28-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MI 315	02-07-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	250	<0.2
WLD 279	08-05-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

						ETHANE,	BENZENE			BENZENE
LOCAL IDENT- I- FIER	DATE	1,1-DI-	1,1-DI-	1,1,1-	1,1,2-	1,1,2,2	O-	1,2-DI-	1,2-	1,2,4-
		CHLORO-	CHLORO-	TRI-	CHLORO-	CHLORO-	CHLORO-	CHLORO-	CHLORO-	TRI-
		ETHANE	ETHYL-	ETHANE	ETHANE	WAT UNF	WATER	PROPANE	ETHENE	WAT UNF
		TOTAL	TOTAL	TOTAL	TOTAL	REC	REC	TOTAL	TOTAL	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(34496)	(34501)	(34506)	(34511)	(34516)	(34536)	(34541)	(34546)	(34551)
HARTFORD COUNTY										
M	187	06-08-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		08-31-94	--	--	--	--	--	--	--	--
		08-31-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	188	06-08-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		06-21-94	--	--	--	--	--	--	--	--
		08-31-94	--	--	--	--	--	--	--	--
		08-31-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	189	05-18-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-03-94	--	--	--	--	--	--	--	--
		09-03-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	190	06-14-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
M	191	07-22-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
		09-01-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
S	387	07-01-94	--	--	--	--	--	--	--	--
		09-15-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EF	125	05-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EF	126	06-23-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EW	139	05-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SI	456	06-22-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WH	142	06-22-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
LITCHFIELD COUNTY										
CRN	27	06-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NMI	32	06-30-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NMI	38	04-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NOC	38	09-07-94	--	--	--	--	--	--	--	--
NOC	39	09-07-94	--	--	--	--	--	--	--	--
MIDDLESEX COUNTY										
P	112	06-23-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P	117	07-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HD	472	07-01-94	--	--	--	--	--	--	--	--
MT	394	06-24-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NEW HAVEN COUNTY										
CS	206	04-20-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
HM	451	10-07-93	--	--	--	--	--	--	--	--
HM	453	07-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ME	218	07-28-94	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ME	219	07-28-94	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MI	315	02-07-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WLD	279	08-05-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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	LOCAL IDENT- I- FIER	DATE	BENZENE	BENZENE	DI-		TRANS-	CIS		TRI-	HEXA-	
			1,3-DI-	1,4-DI-	CHLORO-		1,3-DI-	1,3-DI-	VINYL	CHLORO-	CHLORO-	
			CHLORO-	CHLORO-	DI-	FLUORO-	NAPHTH-	CHLORO-	CHLORO-	CHLO-	ETHYL-	BUT-
			WATER	WATER	METHANE	ALENE	PROPENE	PROPENE	RIDE	ENE	ADIENE	
			UNFLTRD	UNFLTRD	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
			REC	REC	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
			(34566)	(34571)	(34668)	(34696)	(34699)	(34704)	(39175)	(39180)	(39702)	
HARTFORD COUNTY												
M	187	06-08-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
		08-31-94	--	--	--	--	--	--	--	--	--	
		08-31-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
M	188	06-08-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
		06-21-94	--	--	--	--	--	--	--	--	--	
		08-31-94	--	--	--	--	--	--	--	--	--	
		08-31-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
M	189	05-18-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
		09-03-94	--	--	--	--	--	--	--	--	--	
		09-03-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
M	190	06-14-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
M	191	07-22-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
		09-01-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
S	387	07-01-94	--	--	--	--	--	--	--	--	--	
		09-15-94	<0.20	<0.20	<0.2	0.7	<0.2	<0.2	<0.2	<0.2	<0.2	
EF	125	05-05-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EF	126	06-23-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EW	139	05-05-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
SI	456	06-22-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
WH	142	06-22-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
LITCHFIELD COUNTY												
CRN	27	06-30-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
NMI	32	06-30-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
NMI	38	04-05-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	<0.2	
NOC	38	09-07-94	--	--	--	--	--	--	--	--	--	
NOC	39	09-07-94	--	--	--	--	--	--	--	--	--	
MIDDLESEX COUNTY												
P	112	06-23-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
P	117	07-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
HD	472	07-01-94	--	--	--	--	--	--	--	--	--	
MT	394	06-24-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
NEW HAVEN COUNTY												
CS	206	04-20-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
HM	451	10-07-93	--	--	--	--	--	--	--	--	--	
HM	453	07-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
ME	218	07-28-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
ME	219	07-28-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
MI	315	02-07-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	63	<0.2	
WLD	279	08-05-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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			CIS-1,2 -DI- CHLORO- ETHENE	STYRENE	1,1-DI CHLORO- PRO- PENE, WAT, WH	2,2-DI CHLORO- PRO- PANE, WAT, WH	1,3-DI- CHLORO- PROPANE, WAT, WH	PSEUDO- CUMENE WATER UNFLTRD	ISO- PROPYL- BENZENE WATER REC	BENZENE N-PROPY WATER UNFLTRD	MESIT- YLENE WATER UNFLTRD
LOCAL IDENT- I- FIER	DATE		WATER TOTAL (UG/L) (77093)	STYRENE TOTAL (UG/L) (77128)	WAT, WH TOTAL (UG/L) (77168)	WAT, WH TOTAL (UG/L) (77170)	WAT, WH TOTAL (UG/L) (77173)	UNFLTRD REC (UG/L) (77222)	WHOLE REC (UG/L) (77223)	UNFLTRD REC (UG/L) (77224)	UNFLTRD REC (UG/L) (77226)
HARTFORD COUNTY											
M 187	06-08-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	08-31-94		--	--	--	--	--	--	--	--	--
	08-31-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 188	06-08-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	06-21-94		--	--	--	--	--	--	--	--	--
	08-31-94		--	--	--	--	--	--	--	--	--
	08-31-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 189	05-18-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	09-03-94		--	--	--	--	--	--	--	--	--
	09-03-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 190	06-14-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
M 191	07-22-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	09-01-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
S 387	07-01-94		--	--	--	--	--	--	--	--	--
	09-15-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EF 125	05-05-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EF 126	06-23-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EW 139	05-05-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
SI 456	06-22-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
WH 142	06-22-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
LITCHFIELD COUNTY											
CRN 27	06-30-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
NMI 32	06-30-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
NMI 38	04-05-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
NOC 38	09-07-94		--	--	--	--	--	--	--	--	--
NOC 39	09-07-94		--	--	--	--	--	--	--	--	--
MIDDLESEX COUNTY											
P 112	06-23-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
P 117	07-29-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
HD 472	07-01-94		--	--	--	--	--	--	--	--	--
MT 394	06-24-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
NEW HAVEN COUNTY											
CS 206	04-20-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
HM 451	10-07-93		--	--	--	--	--	--	--	--	--
HM 453	07-29-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
ME 218	07-28-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
ME 219	07-28-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
MI 315	02-07-94		0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
WLD 279	08-05-94		<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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LOCAL IDENTIFIER	DATE	O-CHLORO-TOLUENE	TOLUENE P-CHLOR WATER	METHANE CHLORO-WAT	BENZENE N-BUTYL WATER	BENZENE SEC BUTYL-WATER	BENZENE TERT-BUTYL-WATER	P-ISO-PROPYL-TOLUENE	123-TRI CHLORO-PROPANE	ETHANE, 1112-TETRA-CHLORO-WAT
		WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	WHOLE	WHOLE	UNF
		TOTAL	REC	REC	REC	REC	REC	REC	TOTAL	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(77275)	(77277)	(77297)	(77342)	(77350)	(77353)	(77356)	(77443)	(77562)
HARTFORD COUNTY										
M 187	06-08-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
M 188	06-08-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
	06-21-94	--	--	--	--	--	--	--	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
M 189	05-18-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
M 190	06-14-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
M 191	07-22-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
	09-01-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
S 387	07-01-94	--	--	--	--	--	--	--	--	--
	09-15-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
EF 125	05-05-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
EF 126	06-23-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
EW 139	05-05-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
SI 456	06-22-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
WH 142	06-22-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
LITCHFIELD COUNTY										
CRN 27	06-30-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
NMI 32	06-30-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
NMI 38	04-05-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
NOC 38	09-07-94	--	--	--	--	--	--	--	--	--
NOC 39	09-07-94	--	--	--	--	--	--	--	--	--
MIDDLESEX COUNTY										
P 112	06-23-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
P 117	07-29-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
HD 472	07-01-94	--	--	--	--	--	--	--	--	--
MT 394	06-24-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
NEW HAVEN COUNTY										
CS 206	04-20-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
HM 451	10-07-93	--	--	--	--	--	--	--	--	--
HM 453	07-29-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
ME 218	07-28-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
ME 219	07-28-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
MI 315	02-07-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2
WLD 279	08-05-94	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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		1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL ETHER TERT- BUTYL WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, TOTAL (UG/L) (81555)	DIBROMO CHLORO- PROPANE WATER TOT. REC (UG/L) (82625)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	
LOCAL IDENT- I- FIER		DATE									
HARTFORD COUNTY											
M	187	06-08-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	188	06-08-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		06-21-94	--	--	--	--	--	--	--	--	--
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	189	05-18-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		09-03-94	--	--	--	--	--	--	--	--	--
		09-03-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	190	06-14-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
M	191	07-22-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
		09-01-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
S	387	07-01-94	--	--	--	--	--	--	--	--	--
		09-15-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
EF	125	05-05-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	--	--
EF	126	06-23-94	<0.20	<0.2	<0.2	0.7	<0.20	<0.2	<1.0	--	--
EW	139	05-05-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
SI	456	06-22-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
WH	142	06-22-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
LITCHFIELD COUNTY											
CRN	27	06-30-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
NMI	32	06-30-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
NMI	38	04-05-94	<0.20	<0.2	<0.2	0.4	<0.20	<0.2	<1.0	--	--
NOC	38	09-07-94	--	--	--	--	--	--	--	<0.02	<0.008
NOC	39	09-07-94	--	--	--	--	--	--	--	<0.02	<0.008
MIDDLESEX COUNTY											
P	112	06-23-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
P	117	07-29-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
HD	472	07-01-94	--	--	--	--	--	--	--	--	--
MT	394	06-24-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
NEW HAVEN COUNTY											
CS	206	04-20-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
HM	451	10-07-93	--	--	--	--	--	--	--	--	--
HM	453	07-29-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
ME	218	07-28-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
ME	219	07-28-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	<0.02	<0.008
MI	315	02-07-94	<0.20	<0.2	<0.2	0.3	<0.20	<0.2	<1.0	--	--
WLD	279	08-05-94	<0.20	<0.2	<0.2	0.2	<0.20	<0.2	<1.0	<0.02	<0.008

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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		DEETHYL								
LOCAL IDENT- I- FIER	DATE	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)
HARTFORD COUNTY										
M 187	06-08-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
M 188	06-08-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
	06-21-94	--	--	--	--	--	--	--	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
M 189	05-18-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	0.04
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	0.01
M 190	06-14-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
M 191	07-22-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
	09-01-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
S 387	07-01-94	--	--	--	--	--	--	--	--	--
	09-15-94	--	--	--	--	--	--	--	--	--
EF 125	05-05-94	--	--	--	--	--	--	--	--	--
EF 126	06-23-94	--	--	--	--	--	--	--	--	--
EW 139	05-05-94	--	--	--	--	--	--	--	--	--
SI 456	06-22-94	--	--	--	--	--	--	--	--	--
WH 142	06-22-94	--	--	--	--	--	--	--	--	--
LITCHFIELD COUNTY										
CRN 27	06-30-94	--	--	--	--	--	--	--	--	--
NMI 32	06-30-94	--	--	--	--	--	--	--	--	--
NMI 38	04-05-94	--	--	--	--	--	--	--	--	--
NOC 38	09-07-94	<0.008	<0.008	0.02	<0.01	<0.008	<0.007	<0.01	<0.005	<0.008
NOC 39	09-07-94	<0.008	<0.008	0.007	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
MIDDLESEX COUNTY										
P 112	06-23-94	--	--	--	--	--	--	--	--	--
P 117	07-29-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
HD 472	07-01-94	--	--	--	--	--	--	--	--	--
MT 394	06-24-94	--	--	--	--	--	--	--	--	--
NEW HAVEN COUNTY										
CS 206	04-20-94	--	--	--	--	--	--	--	--	--
HM 451	10-07-93	--	--	--	--	--	--	--	--	--
HM 453	07-29-94	0.03	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
ME 218	07-28-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
ME 219	07-28-94	0.005	0.02	0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
MI 315	02-07-94	--	--	--	--	--	--	--	--	--
WLD 279	08-05-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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LOCAL IDENT- I- PIER	DATE	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)
HARTFORD COUNTY										
M 187	06-08-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M 188	06-08-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
	06-21-94	--	--	--	--	--	--	--	--	--
	08-31-94	--	--	--	--	--	--	--	--	--
	08-31-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M 189	05-18-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
	09-03-94	--	--	--	--	--	--	--	--	--
	09-03-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
M 190	06-14-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	E0.002	<0.006	<0.01
M 191	07-22-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
	09-01-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
S 387	07-01-94	--	--	--	--	--	--	--	--	--
	09-15-94	--	--	--	--	--	--	--	--	--
EF 125	05-05-94	--	--	--	--	--	--	--	--	--
EF 126	06-23-94	--	--	--	--	--	--	--	--	--
EW 139	05-05-94	--	--	--	--	--	--	--	--	--
SI 456	06-22-94	--	--	--	--	--	--	--	--	--
WH 142	06-22-94	--	--	--	--	--	--	--	--	--
LITCHFIELD COUNTY										
CRN 27	06-30-94	--	--	--	--	--	--	--	--	--
NMI 32	06-30-94	--	--	--	--	--	--	--	--	--
NMI 38	04-05-94	--	--	--	--	--	--	--	--	--
NOC 38	09-07-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
NOC 39	09-07-94	<0.009	<0.01	<0.02	<0.008	0.03	<0.009	<0.01	<0.006	<0.01
MIDDLESEX COUNTY										
P 112	06-23-94	--	--	--	--	--	--	--	--	--
P 117	07-29-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
HD 472	07-01-94	--	--	--	--	--	--	--	--	--
MT 394	06-24-94	--	--	--	--	--	--	--	--	--
NEW HAVEN COUNTY										
CS 206	04-20-94	--	--	--	--	--	--	--	--	--
HM 451	10-07-93	--	--	--	--	--	--	--	--	--
HM 453	07-29-94	<0.009	<0.01	<0.02	<0.008	E0.008	<0.009	<0.01	<0.006	<0.01
ME 218	07-28-94	0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
ME 219	07-28-94	E0.004	<0.01	<0.02	<0.008	E0.006	<0.009	<0.01	<0.006	<0.01
MI 315	02-07-94	--	--	--	--	--	--	--	--	--
WLD 279	08-05-94	E0.003	<0.01	<0.02	<0.008	E0.006	<0.009	<0.01	<0.006	<0.01

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
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			DIMETH- OATE WATER FLTRD 0.7 U GG, REC (UG/L) (82662)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
LOCAL IDENT- I- FIER		DATE									
HARTFORD COUNTY											
M	187	06-08-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	188	06-08-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		06-21-94	--	--	--	--	--	--	--	--	--
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	189	05-18-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		09-03-94	--	--	--	--	--	--	--	--	--
		09-03-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	190	06-14-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
M	191	07-22-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
		09-01-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
S	387	07-01-94	--	--	--	--	--	--	--	--	--
		09-15-94	--	--	--	--	--	--	--	--	--
EF	125	05-05-94	--	--	--	--	--	--	--	--	--
EF	126	06-23-94	--	--	--	--	--	--	--	--	--
EW	139	05-05-94	--	--	--	--	--	--	--	--	--
SI	456	06-22-94	--	--	--	--	--	--	--	--	--
WH	142	06-22-94	--	--	--	--	--	--	--	--	--
LITCHFIELD COUNTY											
CRN	27	06-30-94	--	--	--	--	--	--	--	--	--
NMI	32	06-30-94	--	--	--	--	--	--	--	--	--
NMI	38	04-05-94	--	--	--	--	--	--	--	--	--
NOC	38	09-07-94	--	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
NOC	39	09-07-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
MIDDLESEX COUNTY											
P	112	06-23-94	--	--	--	--	--	--	--	--	--
P	117	07-29-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
HD	472	07-01-94	--	--	--	--	--	--	--	--	--
MT	394	06-24-94	--	--	--	--	--	--	--	--	--
NEW HAVEN COUNTY											
CS	206	04-20-94	--	--	--	--	--	--	--	--	--
HM	451	10-07-93	--	--	--	--	--	--	--	--	--
HM	453	07-29-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
ME	218	07-28-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
ME	219	07-28-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
MI	315	02-07-94	--	--	--	--	--	--	--	--	--
WLD	279	08-05-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

			MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
LOCAL IDENT- I- FIER		DATE									
HARTFORD COUNTY											
M	187	06-08-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	188	06-08-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
		06-21-94	--	--	--	--	--	--	--	--	--
		08-31-94	--	--	--	--	--	--	--	--	--
		08-31-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	189	05-18-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
		09-03-94	--	--	--	--	--	--	--	--	--
		09-03-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	190	06-14-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
M	191	07-22-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
		09-01-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
S	387	07-01-94	--	--	--	--	--	--	--	--	--
		09-15-94	--	--	--	--	--	--	--	--	--
EF	125	05-05-94	--	--	--	--	--	--	--	--	--
EF	126	06-23-94	--	--	--	--	--	--	--	--	--
EW	139	05-05-94	--	--	--	--	--	--	--	--	--
SI	456	06-22-94	--	--	--	--	--	--	--	--	--
WH	142	06-22-94	--	--	--	--	--	--	--	--	--
LITCHFIELD COUNTY											
CRN	27	06-30-94	--	--	--	--	--	--	--	--	--
NMI	32	06-30-94	--	--	--	--	--	--	--	--	--
NMI	38	04-05-94	--	--	--	--	--	--	--	--	--
NOC	38	09-07-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
NOC	39	09-07-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
MIDDLESEX COUNTY											
P	112	06-23-94	--	--	--	--	--	--	--	--	--
P	117	07-29-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
HD	472	07-01-94	--	--	--	--	--	--	--	--	--
MT	394	06-24-94	--	--	--	--	--	--	--	--	--
NEW HAVEN COUNTY											
CS	206	04-20-94	--	--	--	--	--	--	--	--	--
HM	451	10-07-93	--	--	--	--	--	--	--	--	--
HM	453	07-29-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
ME	218	07-28-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
ME	219	07-28-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
MI	315	02-07-94	--	--	--	--	--	--	--	--	--
WLD	279	08-05-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

			CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
		LOCAL IDENT- I- FIER	DATE							
HARTFORD COUNTY										
M	187		06-08-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
			08-31-94	--	--	--	--	--	--	--
			08-31-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
M	188		06-08-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
			06-21-94	--	--	--	--	--	--	--
			08-31-94	--	--	--	--	--	--	--
			08-31-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
M	189		05-18-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
			09-03-94	--	--	--	--	--	--	--
			09-03-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
M	190		06-14-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
M	191		07-22-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
			09-01-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
S	387		07-01-94	--	--	--	--	--	--	--
			09-15-94	--	--	--	--	--	--	--
EF	125		05-05-94	--	--	--	--	--	--	--
EF	126		06-23-94	--	--	--	--	--	--	--
EW	139		05-05-94	--	--	--	--	--	--	--
SI	456		06-22-94	--	--	--	--	--	--	--
WH	142		06-22-94	--	--	--	--	--	--	--
LITCHFIELD COUNTY										
CRN	27		06-30-94	--	--	--	--	--	--	--
NMI	32		06-30-94	--	--	--	--	--	--	--
NMI	38		04-05-94	--	--	--	--	--	--	--
NOC	38		09-07-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.006	<0.04
NOC	39		09-07-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
MIDDLESEX COUNTY										
P	112		06-23-94	--	--	--	--	--	--	--
P	117		07-29-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
HD	472		07-01-94	--	--	--	--	--	--	--
MT	394		06-24-94	--	--	--	--	--	--	--
NEW HAVEN COUNTY										
CS	206		04-20-94	--	--	--	--	--	--	--
HM	451		10-07-93	--	--	--	--	--	--	--
HM	453		07-29-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
ME	218		07-28-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
ME	219		07-28-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05
MI	315		02-07-94	--	--	--	--	--	--	--
WLD	279		08-05-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
NEW LONDON COUNTY										
FR 23	413644072080501	112DFSF	7.12	13.75	03-29-94	1440	908	854	5.19	
GS 93	413619071553201	112DFSF	12.0	18.60	04-21-94	1030	32	--	5.21	
PS 137	413001072025701	112DFSF	12.3	23.58	04-21-94	1235	379	--	5.82	

TOLLAND COUNTY

V 92	415155072284601	112DFSF	13.2	25.60	07-26-94	1520	347	338	6.58	
V 96	414926072300801	112DFSF	12.9	25.80	07-26-94	1300	578	581	6.29	
CV 38	414745072210101	112DFSF	4.61	13.48	05-04-94	0940	93	--	4.90	
EL 81	415616072303801	112DFSF	26.0	27.40	07-26-94	1000	137	135	6.66	
EL 82	415458072291901	112DFSF	6.05	24.50	09-02-94	1200	500	504	7.85	
EL 86	415441072274101	112DFSF	6.64	16.40	09-02-94	1011	212	211	6.05	
EL 133	415530072290201	112DFSF	2.71	9.90	05-04-94	1140	305	--	6.51	
EL 141	415450072285301	112DFSF	7.70	30.45	07-27-94	1110	1060	1080	7.60	
EL 142	415542072273601	112DFSF	18.5	37.54	07-27-94	1430	193	185	6.39	

WINDHAM COUNTY

PL 471	414258071562701	112DFSF	--	16.64	03-29-94	1120	103	--	5.70	
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LOCAL IDENT- I- FIER	DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION) (00301)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
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NEW LONDON COUNTY

FR 23	03-29-94	--	11	9	5.0	754	12.5	99	--	0.020
GS 93	04-21-94	0	5	4	7.5	760	11.3	94	--	--
PS 137	04-21-94	0	21	17	10.5	760	8.90	80	--	--

TOLLAND COUNTY

V 92	07-26-94	0	84	69	10.5	752	6.70	61	0.6	0.020
V 96	07-26-94	0	73	60	12.0	753	5.60	53	0.6	0.020
CV 38	05-04-94	--	10	8	6.5	756	10.6	87	--	--
EL 81	07-26-94	0	34	28	9.5	753	11.8	104	0.4	0.020
EL 82	09-02-94	0	69	57	11.0	--	8.00	--	0.3	0.020
EL 86	09-02-94	0	34	28	12.0	761	3.20	30	0.5	<0.010
EL 133	05-04-94	--	69	57	7.0	760	4.60	38	--	--
EL 141	07-27-94	0	97	80	10.5	755	3.00	27	0.3	<0.010
EL 142	07-27-94	0	41	34	9.5	753	10.4	92	0.9	0.010

WINDHAM COUNTY

PL 471	03-29-94	--	--	--	7.5	--	--	--	--	--
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QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENTIFIER	DATE	NITRO-GEN,	NITRO-GEN, AM-	NITRO-GEN,	PHOS-	PHOS-	HARD-		MAGNE-	
		NITRITE	MONIA +	NO2+NO3	PHOS-	ORTH,	NESS	CALCIUM	SIUM,	SODIUM,
		DIS-	ORGANIC	DIS-	DIS-	DIS-	TOTAL	DIS-	DIS-	DIS-
		SOLVED	DIS.	SOLVED	SOLVED	SOLVED	(MG/L	SOLVED	SOLVED	SOLVED
		(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	AS	(MG/L	(MG/L	(MG/L
		AS N)	AS N)	AS N)	AS P)	AS P)	CACO3)	AS CA)	AS MG)	AS NA)
		(00613)	(00623)	(00631)	(00666)	(00671)	(00900)	(00915)	(00925)	(00930)

NEW LONDON COUNTY

[illegible]

TOLLAND COUNTY

V	92	07-26-94	<0.010	<0.20	3.80	0.020	0.010	98	29	6.2	23
V	96	07-26-94	<0.010	<0.20	5.40	0.010	<0.010	140	43	7.1	49
CV	38	05-04-94	--	--	--	--	--	--	--	--	--
EL	81	07-26-94	<0.010	<0.20	0.520	0.020	0.020	46	14	2.6	5.6
EL	82	09-02-94	<0.010	<0.20	7.50	0.030	0.020	220	71	9.5	11
EL	86	09-02-94	<0.010	<0.20	3.50	<0.010	<0.010	58	17	3.8	13
EL	133	05-04-94	--	--	--	--	--	--	--	--	--
EL	141	07-27-94	<0.010	<0.20	4.00	0.020	0.020	560	160	39	20
EL	142	07-27-94	<0.010	<0.20	12.0	0.020	0.020	58	15	5.1	8.3

WINDEHAM COUNTY

PL 471 03-29-94 -- -- -- -- -- -- -- -- -- --

[illegible]

NEW LONDON COUNTY

[illegible]

TOLLAND COUNTY

V	92	07-26-94	1	34	187	0.70	35	23	<0.10	12	110
V	96	07-26-94	2	44	305	1.1	110	24	<0.10	10	500
CV	38	05-04-94	--	--	--	--	--	--	--	--	--
EL	81	07-26-94	0.4	21	80	0.40	11	13	<0.10	14	12
EL	82	09-02-94	0.3	10	331	0.90	14	140	<0.10	17	10
EL	86	09-02-94	0.7	32	117	1.3	27	13	<0.10	9.2	6
EL	133	05-04-94	--	--	--	--	--	--	--	--	--
EL	141	07-27-94	0.4	7	813	2.5	11	500	0.10	15	3
EL	142	07-27-94	0.5	23	146	1.4	17	14	<0.10	12	120

WINDHAM COUNTY

PL 471 03-29-94 -- -- -- -- -- -- -- -- -- --

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	DI- BROMO- METHANE WATER RECOVER (UG/L) (30217)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)

NEW LONDON COUNTY

FR 23	03-29-94	37	470	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GS 93	04-21-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
PS 137	04-21-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

TOLLAND COUNTY

V 92	07-26-94	10	186	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
V 96	07-26-94	23	338	0.16	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CV 38	05-04-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 81	07-26-94	2	70	0.030	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 82	09-02-94	<1	294	0.040	--	--	--	--	--	--
EL 86	09-02-94	<1	112	0.020	--	--	--	--	--	--
EL 133	05-04-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 141	07-27-94	9	832	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 142	07-27-94	27	110	0.040	<0.2	<0.2	<0.2	<0.2	<0.2	0.3

WINDHAM COUNTY

PL 471	03-29-94	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
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LOCAL IDENT- I- FIER	DATE	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- ETHANE TOTAL (UG/L) (34311)	ETHYL- BENZENE TOTAL (UG/L) (34371)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)

NEW LONDON COUNTY

FR 23	03-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GS 93	04-21-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
PS 137	04-21-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

TOLLAND COUNTY

V 92	07-26-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	0.5	<0.2
V 96	07-26-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	6.5	<0.2
CV 38	05-04-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 81	07-26-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 82	09-02-94	--	--	--	--	--	--	--	--	--
EL 86	09-02-94	--	--	--	--	--	--	--	--	--
EL 133	05-04-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 141	07-27-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL 142	07-27-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

WINDHAM COUNTY

PL 471	03-29-94	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
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QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

					ETHANE,	BENZENE				BENZENE
LOCAL IDENT- I- FIER	DATE	1,1-DI-	1,1,1-	1,1,2-	1,1,2,2	O-	1,2-	1,2,4-		
		CHLORO-	TRI-	TRI-	TETRA-	CHLORO-	1,2-DI-	TRI-		
		ETHYL-	CHLORO-	CHLORO-	CHLORO-	WATER	CHLORO-	CHLORO-		
		ETHANE	ETHANE	ETHANE	WAT UNF	UNFLTRD	PROPANE	ETHENE	WAT UNF	
		TOTAL	TOTAL	TOTAL	TOTAL	REC	REC	TOTAL	TOTAL	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
		(34496)	(34501)	(34506)	(34511)	(34516)	(34536)	(34541)	(34546)	(34551)

NEW LONDON COUNTY

FR	23	03-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
GS	93	04-21-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
PS	137	04-21-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20

TOLLAND COUNTY

V	92	07-26-94	<0.2	<0.2	1.1	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
V	96	07-26-94	<0.2	<0.2	0.4	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
CV	38	05-04-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
EL	81	07-26-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
EL	82	09-02-94	--	--	--	--	--	--	--	--	--
EL	86	09-02-94	--	--	--	--	--	--	--	--	--
EL	133	05-04-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
EL	141	07-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
EL	142	07-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20

WINDHAM COUNTY

PL 471	03-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20
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LOCAL IDENT- I- FIER	DATE	BENZENE	BENZENE	DI-						
		1,3-DI-	1,4-DI-	CHLORO-		TRANS-	CIS		TRI-	HEXA-
		CHLORO-	CHLORO-	DI-		1,3-DI-	1,3-DI-	VINYL	CHLORO-	CHLORO-
		WATER	WATER	FLUORO-	NAPHTH-	CHLORO-	CHLORO-	CHLO-	ETHYL-	BUT-
		UNFLTRD	UNFLTRD	METHANE	ALENE	PROPENE	PROPENE	RIDE	ENE	ADIENE
		REC	REC	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(34566)	(34571)	(34668)	(34696)	(34699)	(34704)	(39175)	(39180)	(39702)

NEW LONDON COUNTY

FR	23	03-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GS	93	04-21-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
PS	137	04-21-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

TOLLAND COUNTY

V	92	07-26-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
V	96	07-26-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CV	38	05-04-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL	81	07-26-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL	82	09-02-94	--	--	--	--	--	--	--	--
EL	86	09-02-94	--	--	--	--	--	--	--	--
EL	133	05-04-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL	141	07-27-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EL	142	07-27-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

WINDHAM COUNTY

PL	471	03-29-94	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
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QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	CIS-1,2		1,1-DI	2,2-DI			ISO-		
		-DI-		CHLORO-	CHLORO-	1,3-DI-	PSEUDO-	PROPYL-	BENZENE	MESIT-
		CHLORO-		PRO-	PRO-	CHLORO-	CUMENE	BENZENE	N-PROPY	YLENE
		PENE,		PENE,	PANE	PROPANE	WATER	WATER	WATER	WATER
		WATER	STYRENE	WAT, WH	WAT, WH	WAT. WH	UNFLTRD	WHOLE	UNFLTRD	UNFLTRD
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC	REC	REC	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(77093)	(77128)	(77168)	(77170)	(77173)	(77222)	(77223)	(77224)	(77226)

NEW LONDON COUNTY

FR	23	03-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
GS	93	04-21-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
PS	137	04-21-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20

TOLLAND COUNTY

V	92	07-26-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
V	96	07-26-94	0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
CV	38	05-04-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EL	81	07-26-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EL	82	09-02-94	--	--	--	--	--	--	--	--	--
EL	86	09-02-94	--	--	--	--	--	--	--	--	--
EL	133	05-04-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EL	141	07-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
EL	142	07-27-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20

WINDHAM COUNTY

PL 471	03-29-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
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LOCAL IDENT- I- FIER	DATE	O-	METHANE		BENZENE	BENZENE	P-ISO-	123-TRI	ETHANE,	
		CHLORO-	TOLUENE	BROMO	BENZENE	SEC	TERT-	PROPYL-	CHLORO-	1112-
		TOLUENE	P-CHLOR	CHLORO-	N-BUTYL	BUTYL-	BUTYL-	TOLUENE	PROPANE	TETRA-
		WATER	WATER	WAT	WATER	WATER	WATER	WATER	WATER	CHLORO-
		WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	UNFLTRD	WHOLE	WHOLE	WAT UNF
		TOTAL	REC	REC	REC	REC	REC	REC	TOTAL	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	
		(77275)	(77277)	(77297)	(77342)	(77350)	(77353)	(77356)	(77443)	(77562)

NEW LONDON COUNTY

[illegible]

TOLLAND COUNTY

[illegible]

WINDHAM COUNTY

[illegible]

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	1,2,3-	1,2-	METHYL			DIBROMO			
		TRI-	DIBROMO	FREON-	ETHER		BROMO-	CHLORO-	PROP-	BUTYL-
		CHLORO	ETHANE	113	TERT-	XYLENE	BENZENE	PROPANE	CHLOR.	ATE,
		BENZENE	WATER	WATER	BUTYL	WATER	WATER,	WATER	WATER,	WATER,
		WAT, WH	WHOLE	UNFLTRD	WAT UNF	UNFLTRD	WHOLE,	WHOLE	DISS,	DISS,
		REC	TOTAL	REC	REC	REC	TOTAL	TOT.REC	REC	REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(77613)	(77651)	(77652)	(78032)	(81551)	(81555)	(82625)	(04024)	(04028)

NEW LONDON COUNTY

FR	23	03-29-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
GS	93	04-21-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
PS	137	04-21-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--

TOLLAND COUNTY

V	92	07-26-94	<0.20	<0.2	<0.2	0.5	<0.20	<0.2	<1.0	<0.02	<0.008
V	96	07-26-94	<0.20	<0.2	<0.2	0.6	<0.20	<0.2	<1.0	<0.02	<0.008
CV	38	05-04-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
EL	81	07-26-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
EL	82	09-02-94	--	--	--	--	--	--	--	<0.02	<0.008
EL	86	09-02-94	--	--	--	--	--	--	--	<0.02	<0.008
EL	133	05-04-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
EL	141	07-27-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	<0.02	<0.008
EL	142	07-27-94	<0.20	<0.2	<0.2	0.3	<0.20	<0.2	<1.0	<0.02	<0.008

WINDHAM COUNTY

PL 471	03-29-94	<0.20	<0.2	<0.2	<0.2	<0.20	<0.2	<1.0	--	--
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LOCAL IDENT- I- FIER	DATE	DEETHYL								
		SI-	PRO-	ATRA-	CYANA-					
		MAZINE,	METON,	ZINE,	ZINE,	FONOFOS	ALPHA		CHLOR-	DI-
		WATER,	WATER,	WATER,	WATER,	WATER	BHC	P, P'	PYRIFOS	ELDRIN
		DISS,	DISS,	DISS,	DISS,	DISS	DIS-	DDE	DIS-	DIS-
		REC	REC	REC	REC	REC	SOLVED	DISSOLV	SOLVED	SOLVED
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(04035)	(04037)	(04040)	(04041)	(04095)	(34253)	(34653)	(38933)	(39381)

NEW LONDON COUNTY

FR	23	03-29-94	--	--	--	--	--	--	--	--
GS	93	04-21-94	--	--	--	--	--	--	--	--
PS	137	04-21-94	--	--	--	--	--	--	--	--

TOLLAND COUNTY

V	92	07-26-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
V	96	07-26-94	0.18	<0.008	0.56	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
CV	38	05-04-94	--	--	--	--	--	--	--	--	--
EL	81	07-26-94	0.05	<0.008	E0.003	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
EL	82	09-02-94	<0.008	<0.008	0.02	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
EL	86	09-02-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
EL	133	05-04-94	--	--	--	--	--	--	--	--	--
EL	141	07-27-94	<0.008	<0.008	<0.005	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008
EL	142	07-27-94	<0.008	<0.008	E0.003	<0.01	<0.008	<0.007	<0.01	<0.008	<0.008

WINDHAM COUNTY

PL	471	03-29-94	--	--	--	--	--	--	--	--
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QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT-I-FIER	DATE	METO-LACHLOR WATER DISSOLV (UG/L)	MALA-THION, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	ATRA-ZINE, WATER, DISS, REC (UG/L)	ALA-CHLOR, WATER, DISS, REC (UG/L)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L)	2,6-DI-ETHYL ANILINE WAT FLT GF, REC (UG/L)	TRI-FLUR-ALIN WAT FLT REC (UG/L)
		(39415)	(39532)	(39542)	(39572)	(39632)	(46342)	(82630)	(82660)	(82661)

NEW LONDON COUNTY

FR	23	03-29-94	--	--	--	--	--	--	--	--
GS	93	04-21-94	--	--	--	--	--	--	--	--
PS	137	04-21-94	--	--	--	--	--	--	--	--

TOLLAND COUNTY

V	92	07-26-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
V	96	07-26-94	<0.009	<0.01	<0.02	<0.008	2.3	<0.009	<0.01	<0.006	<0.01
CV	38	05-04-94	--	--	--	--	--	--	--	--	--
EL	81	07-26-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
EL	82	09-02-94	<0.009	<0.01	<0.02	<0.008	E0.007	<0.009	<0.01	<0.006	<0.01
EL	86	09-02-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
EL	133	05-04-94	--	--	--	--	--	--	--	--	--
EL	141	07-27-94	<0.009	<0.01	<0.02	<0.008	<0.02	<0.009	<0.01	<0.006	<0.01
EL	142	07-27-94	E0.003	<0.01	<0.02	<0.008	E0.009	<0.009	<0.01	<0.006	<0.01

WINDHAM COUNTY

PL 471 03-29-94 -- -- -- -- -- -- -- -- -- --

LOCAL IDENT- I- FIER	DATE	DIMETH-	ETHAL-		TER-	LIN-	METHYL		PEB-	TEBU-
		OATE	FLUR-	PHORATE	BACIL	URON	PARA-	EPTC	ULATE	THIURON
		WATER	ALIN	WATER	WATER	WATER	THION	WATER	WATER	WATER
		FLTRD	WAT FLT	FLTRD	FLTRD	FLTRD	WAT FLT	FLTRD	FILTRD	FLTRD
		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
		GG, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC	GF, REC
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
		(82662)	(82663)	(82664)	(82665)	(82666)	(82667)	(82668)	(82669)	(82670)

NEW LONDON COUNTY

FR	23	03-29-94	--	--	--	--	--	--	--	--
GS	93	04-21-94	--	--	--	--	--	--	--	--
PS	137	04-21-94	--	--	--	--	--	--	--	--

TOLLAND COUNTY

V	92	07-26-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
V	96	07-26-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
CV	38	05-04-94	--	--	--	--	--	--	--	--	--
EL	81	07-26-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
EL	82	09-02-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
EL	86	09-02-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
EL	133	05-04-94	--	--	--	--	--	--	--	--	--
EL	141	07-27-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02
EL	142	07-27-94	<0.02	<0.01	<0.01	<0.03	<0.04	<0.03	<0.005	<0.009	<0.02

WINDHAM COUNTY

PL 471 03-29-94 -- -- -- -- -- -- -- -- -- --

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
NATIONAL WATER QUALITY ASSESSMENT PROGRAM

LOCAL IDENT- I- FIER	DATE	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)

NEW LONDON COUNTY

FR 23	03-29-94	--	--	--	--	--	--	--	--	--
GS 93	04-21-94	--	--	--	--	--	--	--	--	--
PS 137	04-21-94	--	--	--	--	--	--	--	--	--

TOLLAND COUNTY

V 92	07-26-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
V 96	07-26-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
CV 38	05-04-94	--	--	--	--	--	--	--	--	--
EL 81	07-26-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
EL 82	09-02-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
EL 86	09-02-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
EL 133	05-04-94	--	--	--	--	--	--	--	--	--
EL 141	07-27-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02
EL 142	07-27-94	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009	<0.06	<0.008	<0.02

WINDHAM COUNTY

PL 471	03-29-94	--	--	--	--	--	--	--	--	--
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LOCAL IDENT- I- FIER	DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)

NEW LONDON COUNTY

FR 23	03-29-94	--	--	--	--	--	--	--	--
GS 93	04-21-94	--	--	--	--	--	--	--	--
PS 137	04-21-94	--	--	--	--	--	--	--	--

TOLLAND COUNTY

V 92	07-26-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
V 96	07-26-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
CV 38	05-04-94	--	--	--	--	--	--	--	--
EL 81	07-26-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
EL 82	09-02-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
EL 86	09-02-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
EL 133	05-04-94	--	--	--	--	--	--	--	--
EL 141	07-27-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02
EL 142	07-27-94	<0.05	<0.008	<0.004	<0.02	<0.01	<0.008	<0.05	<0.02

WINDHAM COUNTY

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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